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

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : R36704

TETRA TECH, EMI

240 Continental Drive, Suite 200

Newark, DE - 19713

Phone No: 302-738-7551

ORDER ID : P4601

ATTENTION : Ava Heiss

Laboratory Certification ID # 20012

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Cover Page

Order ID : P4601

Project ID : R36704

Client : Tetra Tech, EMI

Lab Sample Number	Client Sample Number
P4601-19	C0PI0
P4601-20	C0PI2
P4601-21	C0PI6
P4601-22	C0PI8
P4601-23	C0PI9
P4601-24	CC0P1
P4601-25	CC0P3
P4601-26	CC0P5
P4601-27	CC0P7
P4601-28	CC0P9
P4601-29	CC0Q1
P4601-30	CC0Q6
P4601-31	CC0Q8
P4601-32	CC0R3
P4601-33	CC0R4
P4601-34	CC0R5
P4601-35	CC0R6
P4601-36	CC0R7
P4601-37	CC0R7MS
P4601-38	CC0R7MSD

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 : N. N. Pandya

APPROVED

By Nimisha Pandya, QA/QC Supervisor at 10:37 am, Nov 13, 2024

Date: 11/13/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech, EMI
Project Name: R36704
Project # N/A
Chemtech Project # P4601
Test Name: Herbicide

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 10/29/2024.

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

C. Analytical Techniques:
The analysis was performed on instrument ECD_S. The front column is RTX-CLPesticides which is 30 meters, 0.32 mm ID, 0. 5 um df,: Catalog # 11139. The rear column is RTX-CLPesticides2 which is 30 meters, 0.32 mm ID, 0.25 um df, Catalog #: 11324The analysis of Herbicides was based on method 8151A and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Retention Times were acceptable for all samples.

The MS {P4601-37MS} with File ID: PS028403.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[147%], 2,4-D[147%] and Dinoseb[0%] due to matrix interference.

The MSD {P4601-38MSD} with File ID: PS028404.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[146%], 2,4-D[153%] and Dinoseb[0%] due to matrix interference.

The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .

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E. Additional Comments:
The soil samples results are based on a dry weight basis.

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

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

Signature N. N. Pandya

APPROVED
By Nimisha Pandya, QA/QC Supervisor at 10:38 am, Nov 13, 2024

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: P4601 MATRIX: /Water

METHOD: 8151A/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified.			✓
2.	Standard Summary Submitted.			✓
3.	Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis, 12 HOURS IF 8000 SERIES METHOD. The Initial Calibration met the requirements . The Continuous Calibration met the requirements .			✓
4.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
5.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓
6.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {P4601-37MS} with File ID: PS028403.D recoveries met the requirements for all compounds except for 2,4,5-TP(Silvex)[147%], 2,4-D[147%] and Dinoseb[0%] due to matrix interference. The MSD {P4601-38MSD} with File ID: PS028404.D recoveries met the acceptable requirements except for 2,4,5-TP(Silvex)[146%], 2,4-D[153%] and Dinoseb[0%] due to matrix interference. The Blank Spike met requirements for all samples . The RPD met criteria .		✓	
7.	Retention Time Shift Meet Criteria (if applicable) Comments:			✓
8.	Extraction Holding Time Met If not met, list number of days exceeded for each sample:			✓

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GC ANALYSIS CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Analysis Holding Time Met			✓
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			

ADDITIONAL COMMENTS:

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

S. M. Jodheni

QA REVIEW

REVIEWED

Date

By Sohil Jodhani, QA/QC Director at 10:00 am, Nov 13, 2024

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4601

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 11/13/2024

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LAB CHRONICLE

OrderID:	P4601	**OrderDate:**	10/29/2024 10:35:00 AM
Client:	Tetra Tech, EMI	**Project:**	R36704
Contact:	Ava Heiss	**Location:**	K31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4601-19	**C0PI0**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-20	**C0PI2**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-21	**C0PI6**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-22	**C0PI8**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-23	**C0PI9**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-24	**CC0P1**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-25	**CC0P3**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-26	**CC0P5**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-27	**CC0P7**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-28	**CC0P9**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/07/24	
P4601-29	**CC0Q1**	**SOIL**			**10/22/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-30	**CC0Q6**	**SOIL**			**10/22/24**			**10/29/24**

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LAB CHRONICLE

			Herbicide	8151A		10/31/24	11/11/24	
P4601-31	**CC0Q8**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-32	**CC0R3**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-33	**CC0R4**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-34	**CC0R5**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-35	**CC0R6**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	
P4601-36	**CC0R7**	**SOIL**			**10/23/24**			**10/29/24**
			Herbicide	8151A		10/31/24	11/11/24	

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Hit Summary Sheet
SW-846

SDG No.: P4601 **Order ID:** P4601

Client: Tetra Tech, EMI **Project ID:** R36704

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID :

Total Concentration: 0.000

QC SUMMARY

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Surrogate Summary

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PS028252.D	PIBLK-PS028252.D	2,4-DCAA	1	500	489	98		39	175
		2,4-DCAA	2	500	491	98		39	175
I.BLK-PS028283.D	PIBLK-PS028283.D	2,4-DCAA	1	500	529	106		39	175
		2,4-DCAA	2	500	516	103		39	175
PB164559BL	PB164559BL	2,4-DCAA	1	500	560	112		10	141
		2,4-DCAA	2	500	516	103		10	141
PB164559BS	PB164559BS	2,4-DCAA	1	500	552	110		10	141
		2,4-DCAA	2	500	517	103		10	141
I.BLK-PS028296.D	PIBLK-PS028296.D	2,4-DCAA	1	500	530	106		39	175
		2,4-DCAA	2	500	508	102		39	175
P4601-19	C0PI0	2,4-DCAA	1	500	475	95		10	141
		2,4-DCAA	2	500	436	87		10	141
P4601-20	C0PI2	2,4-DCAA	1	500	213	43		10	141
		2,4-DCAA	2	500	179	36		10	141
P4601-21	C0PI6	2,4-DCAA	1	500	419	84		10	141
		2,4-DCAA	2	500	370	74		10	141
P4601-22	C0PI8	2,4-DCAA	1	500	251	50		10	141
		2,4-DCAA	2	500	208	42		10	141
P4601-23	C0PI9	2,4-DCAA	1	500	467	93		10	141
		2,4-DCAA	2	500	413	83		10	141
P4601-24	CC0P1	2,4-DCAA	1	500	461	92		10	141
		2,4-DCAA	2	500	377	75		10	141
P4601-25	CC0P3	2,4-DCAA	1	500	337	67		10	141
		2,4-DCAA	2	500	281	56		10	141
P4601-26	CC0P5	2,4-DCAA	1	500	379	76		10	141
		2,4-DCAA	2	500	297	59		10	141
P4601-27	CC0P7	2,4-DCAA	1	500	214	43		10	141
		2,4-DCAA	2	500	162	32		10	141
P4601-28	CC0P9	2,4-DCAA	1	500	231	46		10	141
		2,4-DCAA	2	500	196	39		10	141
I.BLK-PS028308.D	PIBLK-PS028308.D	2,4-DCAA	1	500	526	105		39	175
		2,4-DCAA	2	500	489	98		39	175
I.BLK-PS028355.D	PIBLK-PS028355.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	503	101		39	175
I.BLK-PS028393.D	PIBLK-PS028393.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	472	94		39	175
P4601-29	CC0Q1	2,4-DCAA	1	500	261	52		10	141
		2,4-DCAA	2	500	206	41		10	141
P4601-30	CC0Q6	2,4-DCAA	1	500	251	50		10	141
		2,4-DCAA	2	500	211	42		10	141
P4601-31	CC0Q8	2,4-DCAA	1	500	227	45		10	141

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Surrogate Summary

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
P4601-31	CC0Q8	2,4-DCAA	2	500	163	33		10	141
P4601-32	CC0R3	2,4-DCAA	1	500	326	65		10	141
		2,4-DCAA	2	500	277	55		10	141
P4601-33	CC0R4	2,4-DCAA	1	500	386	77		10	141
		2,4-DCAA	2	500	328	66		10	141
P4601-34	CC0R5	2,4-DCAA	1	500	423	85		10	141
		2,4-DCAA	2	500	331	66		10	141
P4601-35	CC0R6	2,4-DCAA	1	500	299	60		10	141
		2,4-DCAA	2	500	219	44		10	141
P4601-36	CC0R7	2,4-DCAA	1	500	442	88		10	141
		2,4-DCAA	2	500	378	76		10	141
P4601-37MS	CC0R7MS	2,4-DCAA	1	500	619	124		10	141
		2,4-DCAA	2	500	517	103		10	141
P4601-38MSD	CC0R7MSD	2,4-DCAA	1	500	617	123		10	141
		2,4-DCAA	2	500	516	103		10	141
I.BLK-PS028405.D	PIBLK-PS028405.D	2,4-DCAA	1	500	511	102		39	175
		2,4-DCAA	2	500	472	94		39	175

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **DataFile :** PS028403.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**CC0R7MS**											
P4601-37MS	DICAMBA	204.7	0	165	ug/Kg	81				10	112	
	DICHLORPROP	204.7	0	175	ug/Kg	85				10	113	
	2,4-D	204.7	0	301	ug/Kg	147	*			10	144	
	2,4,5-TP(Silvex)	204.7	0	300	ug/Kg	147	*			10	114	
	2,4,5-T	204.7	0	182	ug/Kg	89				10	115	
	2,4-DB	204.7	0	180	ug/Kg	88				10	140	
	Dinoseb	204.7	0	0	ug/Kg	0	*			10	118	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **DataFile :** PS028404.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**CC0R7MSD**											
P4601-38MSD	DICAMBA	204.6	0	164	ug/Kg	80		1		10	112	20
	DICHLORPROP	204.6	0	173	ug/Kg	85		0		10	113	20
	2,4-D	204.6	0	313	ug/Kg	153	*	4		10	144	20
	2,4,5-TP(Silvex)	204.6	0	298	ug/Kg	146	*	1		10	114	20
	2,4,5-T	204.6	0	180	ug/Kg	88		1		10	115	20
	2,4-DB	204.6	0	177	ug/Kg	87		1		10	140	20
	Dinoseb	204.6	0	0	ug/Kg	0	*	0		10	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4601

Client: Tetra Tech, EMI

Analytical Method: 8151A **Datafile :** PS028295.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB164559BS	DICAMBA	166.5	170	ug/Kg	102				72	129	
	DICHLORPROP	166.5	173	ug/Kg	104				77	135	
	2,4-D	166.5	174	ug/Kg	105				65	144	
	2,4,5-TP(Silvex)	166.5	178	ug/Kg	107				74	146	
	2,4,5-T	166.5	177	ug/Kg	106				77	134	
	2,4-DB	166.5	173	ug/Kg	104				72	122	
	Dinoseb	166.5	172	ug/Kg	103				74	132	

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164559BL

Lab Name: CHEMTECH Contract: TETR16

Lab Code: CHEM Case No.: P4601 SAS No.: P4601 SDG NO.: P4601

Lab Sample ID: PB164559BL Lab File ID: PS028294.D

Matrix: (soil/water) Solid Extraction: (Type)

Sulfur Cleanup: (Y/N) N Date Extracted: 10/31/2024

Date Analyzed (1): 11/07/2024 Date Analyzed (2): 11/07/2024

Time Analyzed (1): 03:28 Time Analyzed (2): 03:28

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
PB164559BS	PB164559BS	PS028295.D	11/07/2024	11/07/2024
C0PI0	P4601-19	PS028298.D	11/07/2024	11/07/2024
C0PI2	P4601-20	PS028299.D	11/07/2024	11/07/2024
C0PI6	P4601-21	PS028300.D	11/07/2024	11/07/2024
C0PI8	P4601-22	PS028301.D	11/07/2024	11/07/2024
C0PI9	P4601-23	PS028302.D	11/07/2024	11/07/2024
CC0P1	P4601-24	PS028303.D	11/07/2024	11/07/2024
CC0P3	P4601-25	PS028304.D	11/07/2024	11/07/2024
CC0P5	P4601-26	PS028305.D	11/07/2024	11/07/2024
CC0P7	P4601-27	PS028306.D	11/07/2024	11/07/2024
CC0P9	P4601-28	PS028307.D	11/07/2024	11/07/2024
CC0Q1	P4601-29	PS028395.D	11/11/2024	11/11/2024
CC0Q6	P4601-30	PS028396.D	11/11/2024	11/11/2024
CC0Q8	P4601-31	PS028397.D	11/11/2024	11/11/2024
CC0R3	P4601-32	PS028398.D	11/11/2024	11/11/2024
CC0R4	P4601-33	PS028399.D	11/11/2024	11/11/2024
CC0R5	P4601-34	PS028400.D	11/11/2024	11/11/2024
CC0R6	P4601-35	PS028401.D	11/11/2024	11/11/2024
CC0R7	P4601-36	PS028402.D	11/11/2024	11/11/2024
CC0R7MS	P4601-37MS	PS028403.D	11/11/2024	11/11/2024
CC0R7MSD	P4601-38MSD	PS028404.D	11/11/2024	11/11/2024

COMMENTS:

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI0		SDG No.:	P4601	
Lab Sample ID:	P4601-19		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	70.7	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028298.D	1	10/31/24 10:00	11/07/24 05:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	94.6	U	12.2	94.6	ug/Kg
120-36-5	DICHLORPROP	94.6	U	13.5	94.6	ug/Kg
94-75-7	2,4-D	94.6	U	17.1	94.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	94.6	U	13.3	94.6	ug/Kg
93-76-5	2,4,5-T	94.6	U	14.3	94.6	ug/Kg
94-82-6	2,4-DB	94.6	U	25.8	94.6	ug/Kg
88-85-7	DINOSEB	94.6	U	17.5	94.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	475		10 - 141	95%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 05:28
Operator : AR\AJ
Sample : P4601-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
C0PI0

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:09:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.257	7.762	1217.0E6	759.0E6	475.140	435.768m
	Target Compounds						

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

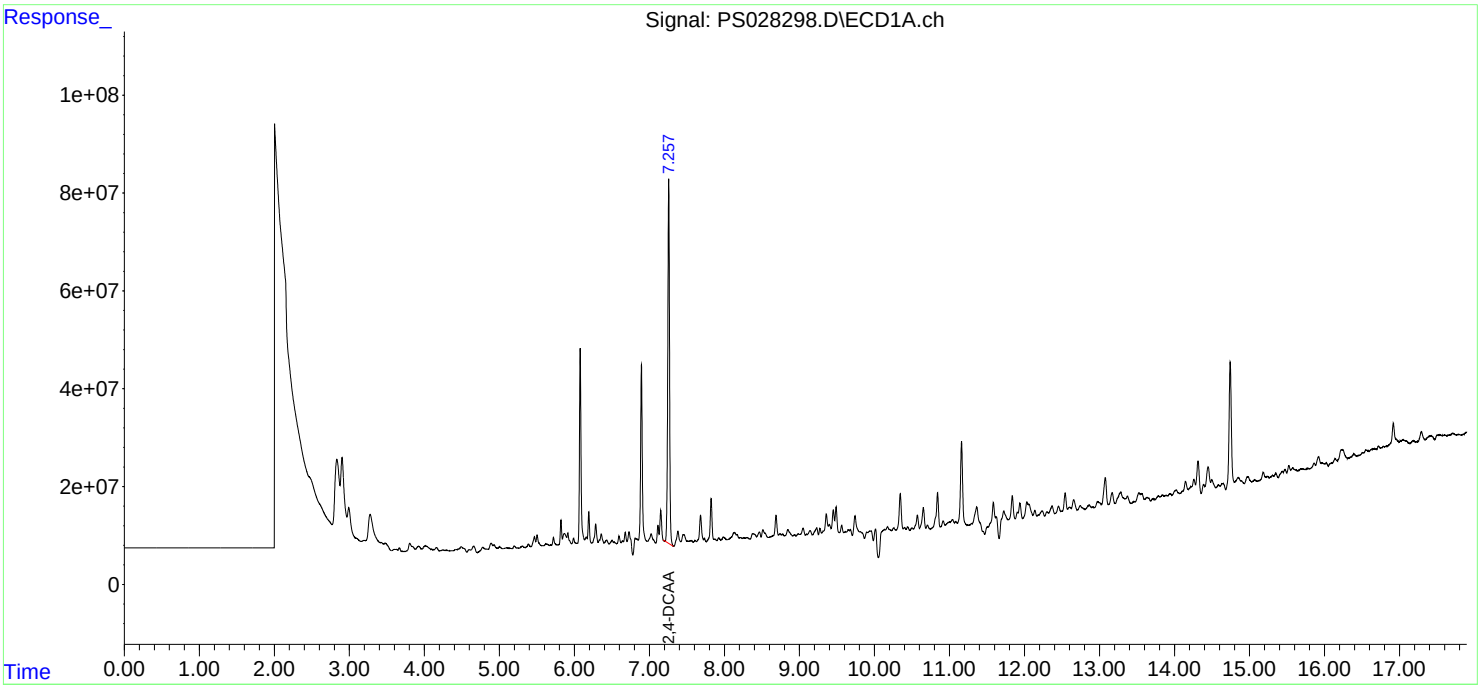
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028298.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 05:28
Operator : AR\AJ
Sample : P4601-19
Misc :
ALS Vial : 33 Sample Multiplier: 1

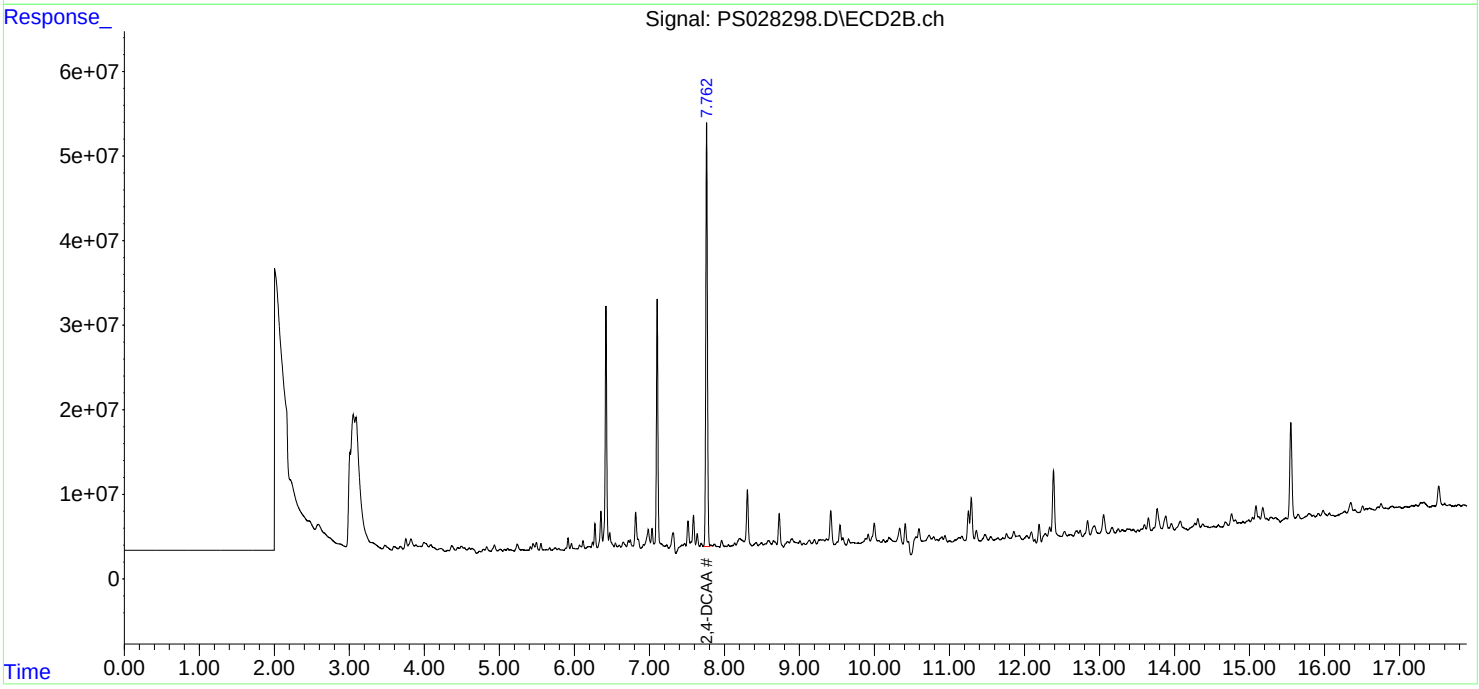
Instrument :
ECD_S
ClientSampleId :
C0PI0

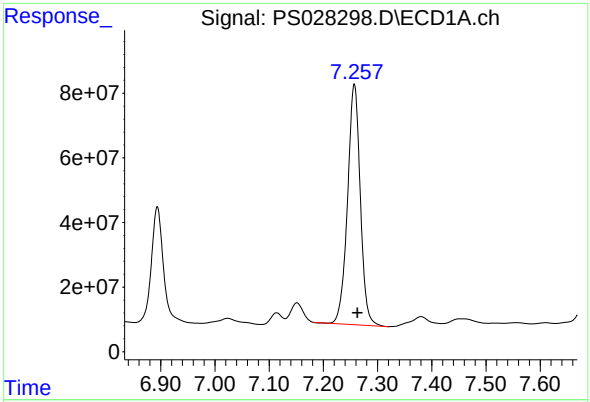
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:09:33 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







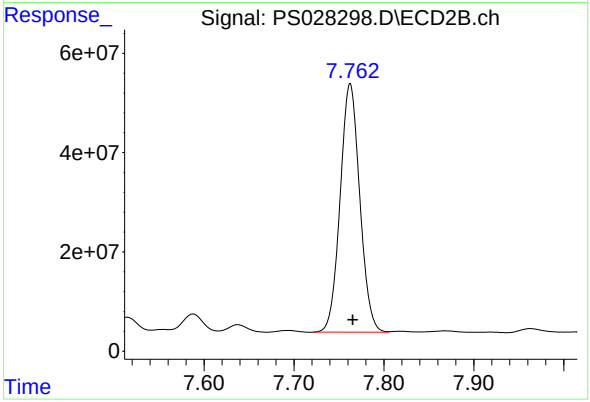
#4 2,4-DCAA

R.T.: 7.257 min
Delta R.T.: -0.005 min
Response: 1217029712
Conc: 475.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
C0PI0

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 759011308
Conc: 435.77 ng/ml m

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI2		SDG No.:	P4601	
Lab Sample ID:	P4601-20		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	94.7	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028299.D	1	10/31/24 10:00	11/07/24 05:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.7	U	9.10	70.7	ug/Kg
120-36-5	DICHLORPROP	70.7	U	10.1	70.7	ug/Kg
94-75-7	2,4-D	70.7	U	12.8	70.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.7	U	9.90	70.7	ug/Kg
93-76-5	2,4,5-T	70.7	U	10.7	70.7	ug/Kg
94-82-6	2,4-DB	70.7	U	19.3	70.7	ug/Kg
88-85-7	DINOSEB	70.7	U	13.1	70.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	213		10 - 141	43%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 05:52
Operator : AR\AJ
Sample : P4601-20
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
C0PI2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:10:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.255	7.763	544.7E6	311.5E6	212.645m	178.856m
	Target Compounds						

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

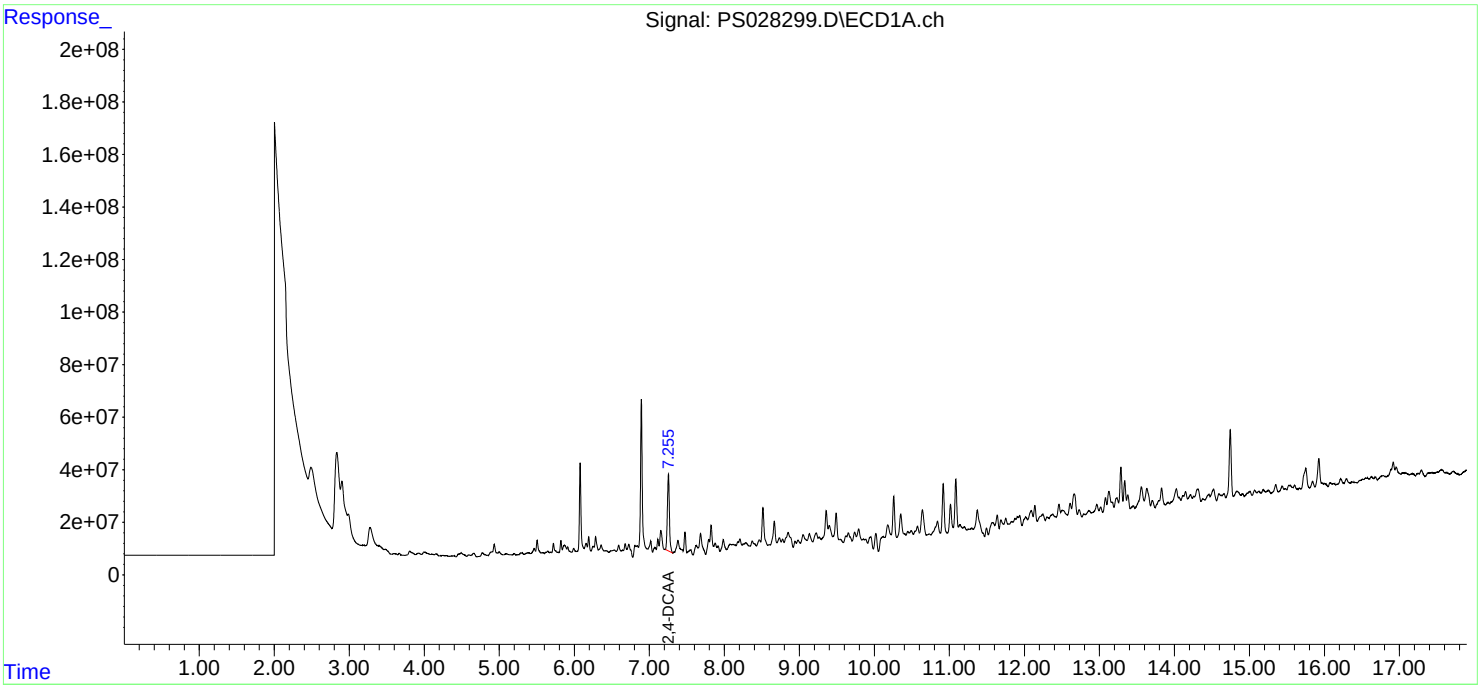
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028299.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 05:52
Operator : AR\AJ
Sample : P4601-20
Misc :
ALS Vial : 34 Sample Multiplier: 1

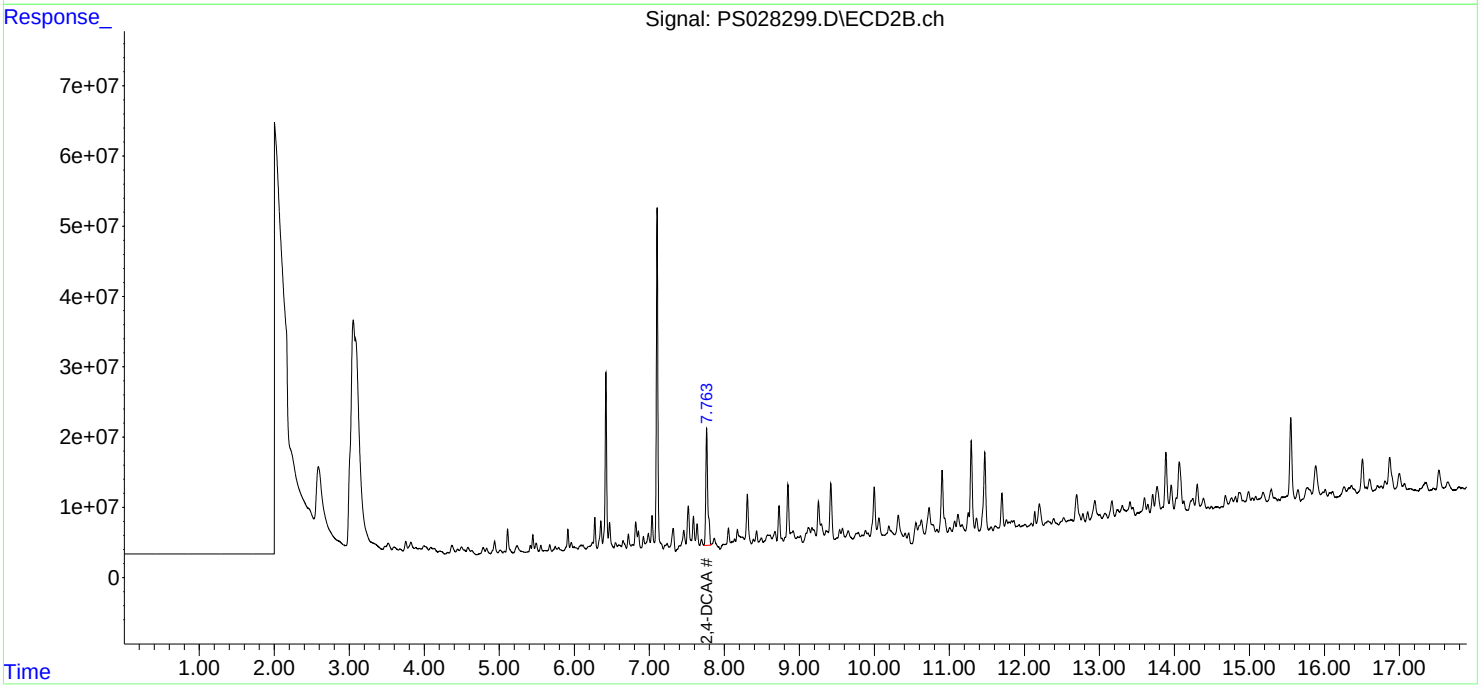
Instrument :
ECD_S
ClientSampleId :
C0PI2

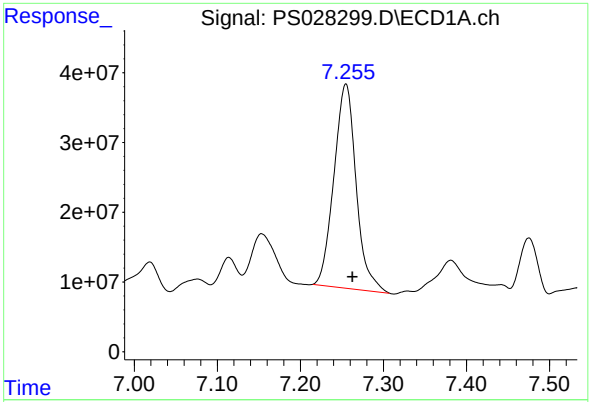
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:10:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







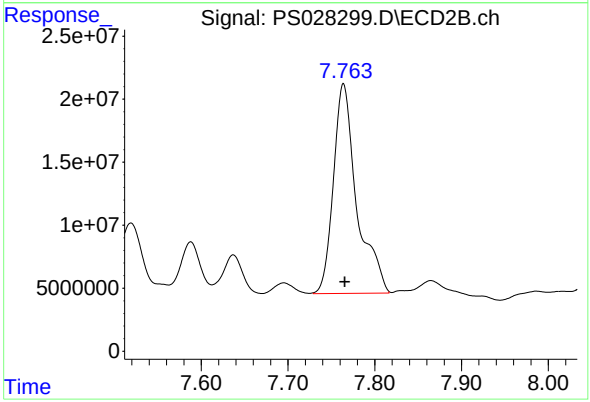
#4 2,4-DCAA

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 544670850
Conc: 212.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
C0PI2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.002 min
Response: 311527978
Conc: 178.86 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI6		SDG No.:	P4601	
Lab Sample ID:	P4601-21		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	85.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028300.D	1	10/31/24 10:00	11/07/24 06:16	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	78.2	U	10.1	78.2	ug/Kg
120-36-5	DICHLORPROP	78.2	U	11.1	78.2	ug/Kg
94-75-7	2,4-D	78.2	U	14.1	78.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	78.2	U	11.0	78.2	ug/Kg
93-76-5	2,4,5-T	78.2	U	11.8	78.2	ug/Kg
94-82-6	2,4-DB	78.2	U	21.4	78.2	ug/Kg
88-85-7	DINOSEB	78.2	U	14.5	78.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	419		10 - 141	84%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 06:16
Operator : AR\AJ
Sample : P4601-21
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
C0PI6

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:35:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.256	7.763	1073.0E6	643.9E6	418.903m	369.667m
	Target Compounds						

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

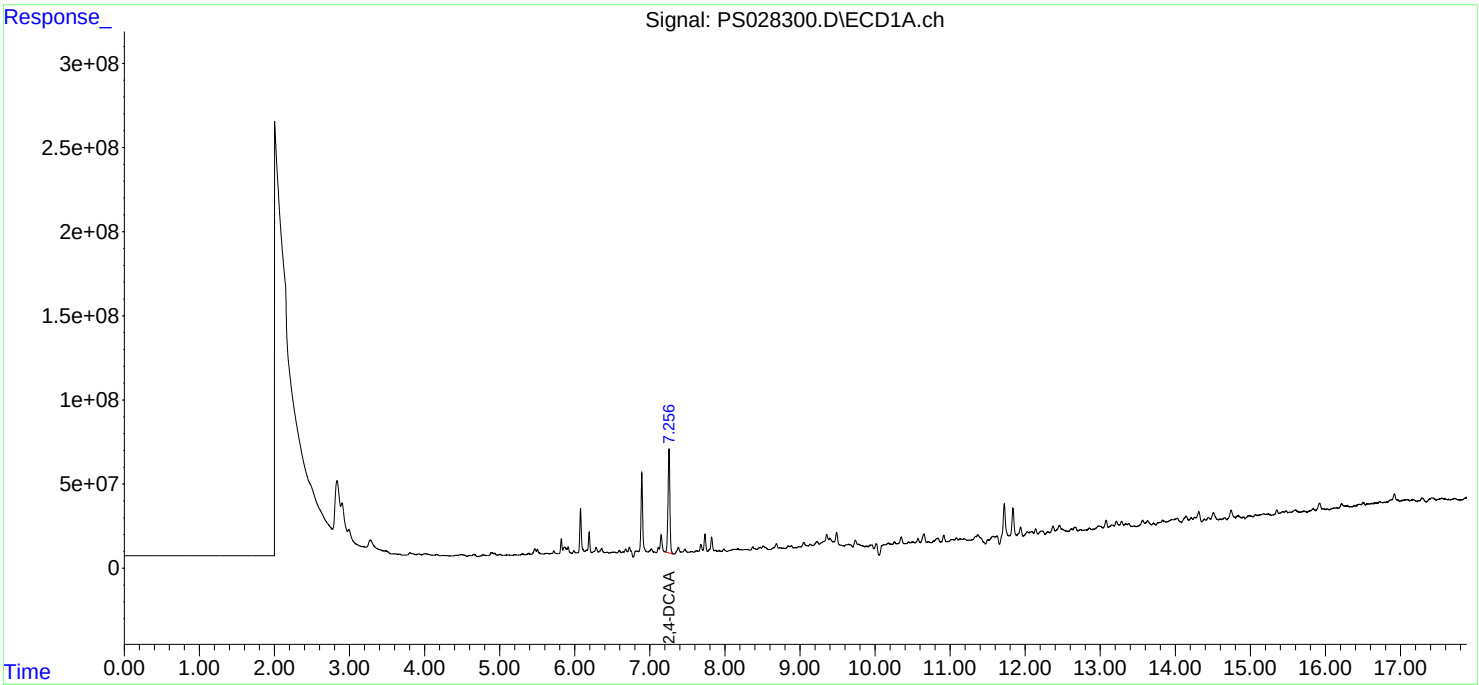
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028300.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 06:16
Operator : AR\AJ
Sample : P4601-21
Misc :
ALS Vial : 35 Sample Multiplier: 1

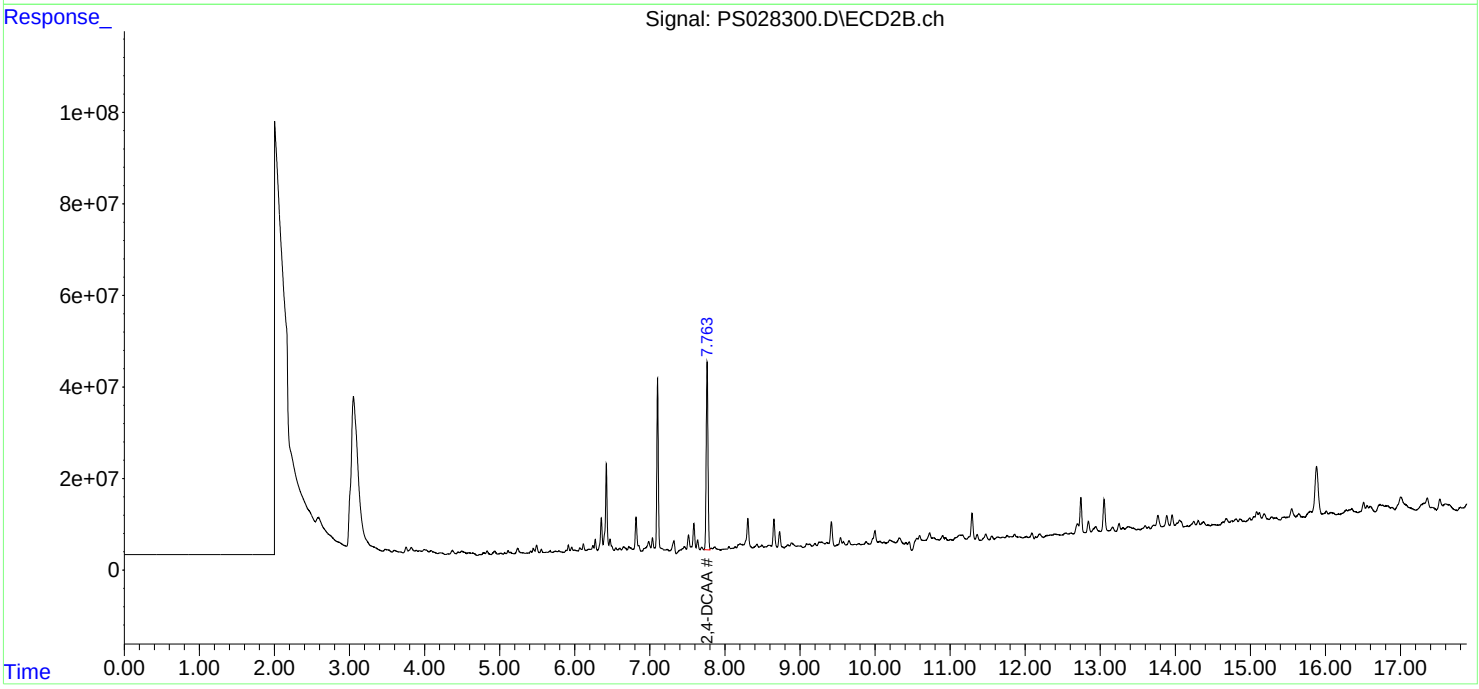
Instrument :
ECD_S
ClientSampleId :
C0PI6

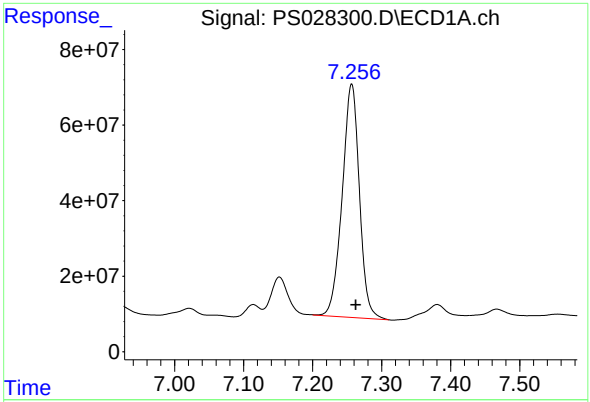
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 06:35:22 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







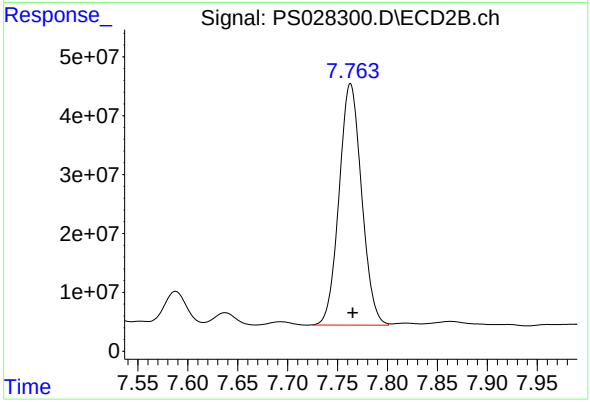
#4 2,4-DCAA

R.T.: 7.256 min
Delta R.T.: -0.006 min
Response: 1072984094
Conc: 418.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
C0PI6

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.003 min
Response: 643878487
Conc: 369.67 ng/ml m

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	C0PI8		SDG No.:	P4601	
Lab Sample ID:	P4601-22		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028301.D	1	10/31/24 10:00	11/07/24 06:40	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.5	U	10.7	82.5	ug/Kg
120-36-5	DICHLORPROP	82.5	U	11.7	82.5	ug/Kg
94-75-7	2,4-D	82.5	U	14.9	82.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	82.5	U	11.6	82.5	ug/Kg
93-76-5	2,4,5-T	82.5	U	12.4	82.5	ug/Kg
94-82-6	2,4-DB	82.5	U	22.5	82.5	ug/Kg
88-85-7	DINOSEB	82.5	U	15.3	82.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	251		10 - 141	50%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 06:40
Operator : AR\AJ
Sample : P4601-22
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
C0PI8

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 07:13:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.257	7.761	642.6E6	362.9E6	250.887m	208.327m
	Target Compounds						

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

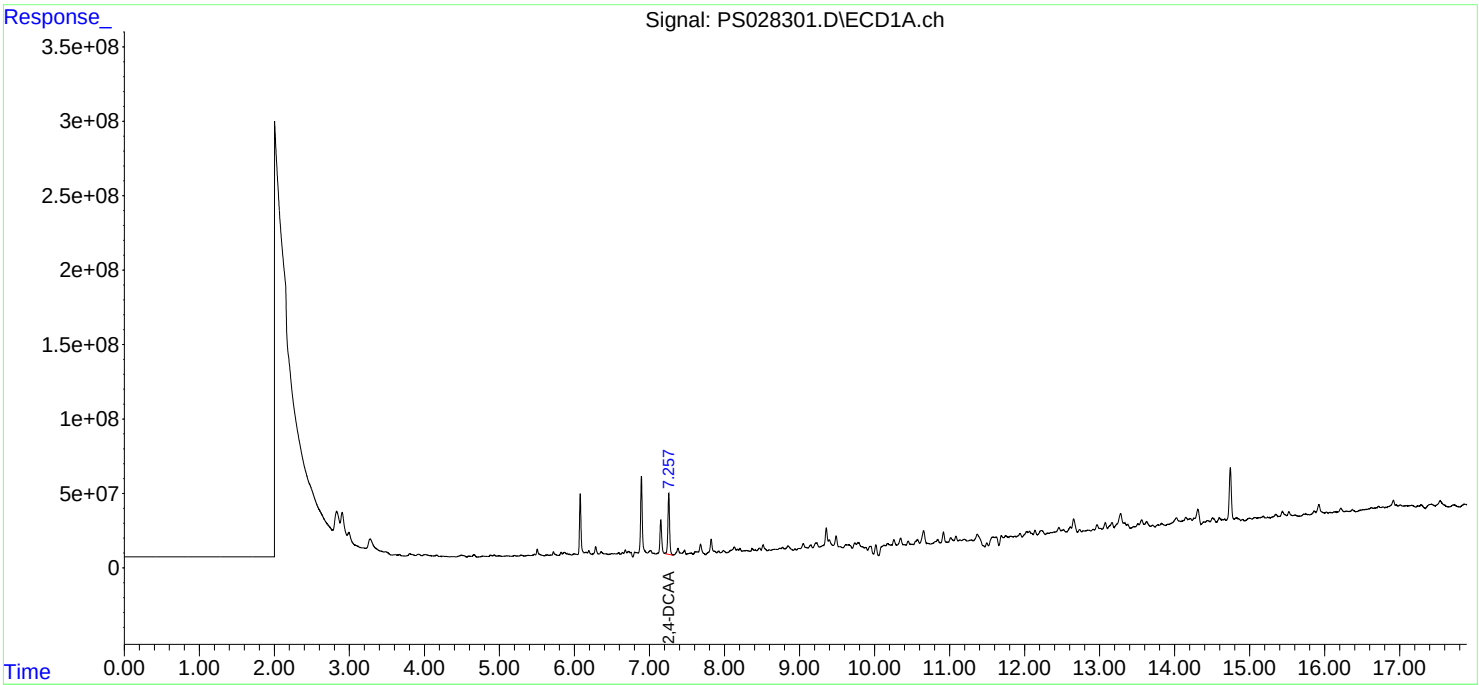
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028301.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 06:40
Operator : AR\AJ
Sample : P4601-22
Misc :
ALS Vial : 36 Sample Multiplier: 1

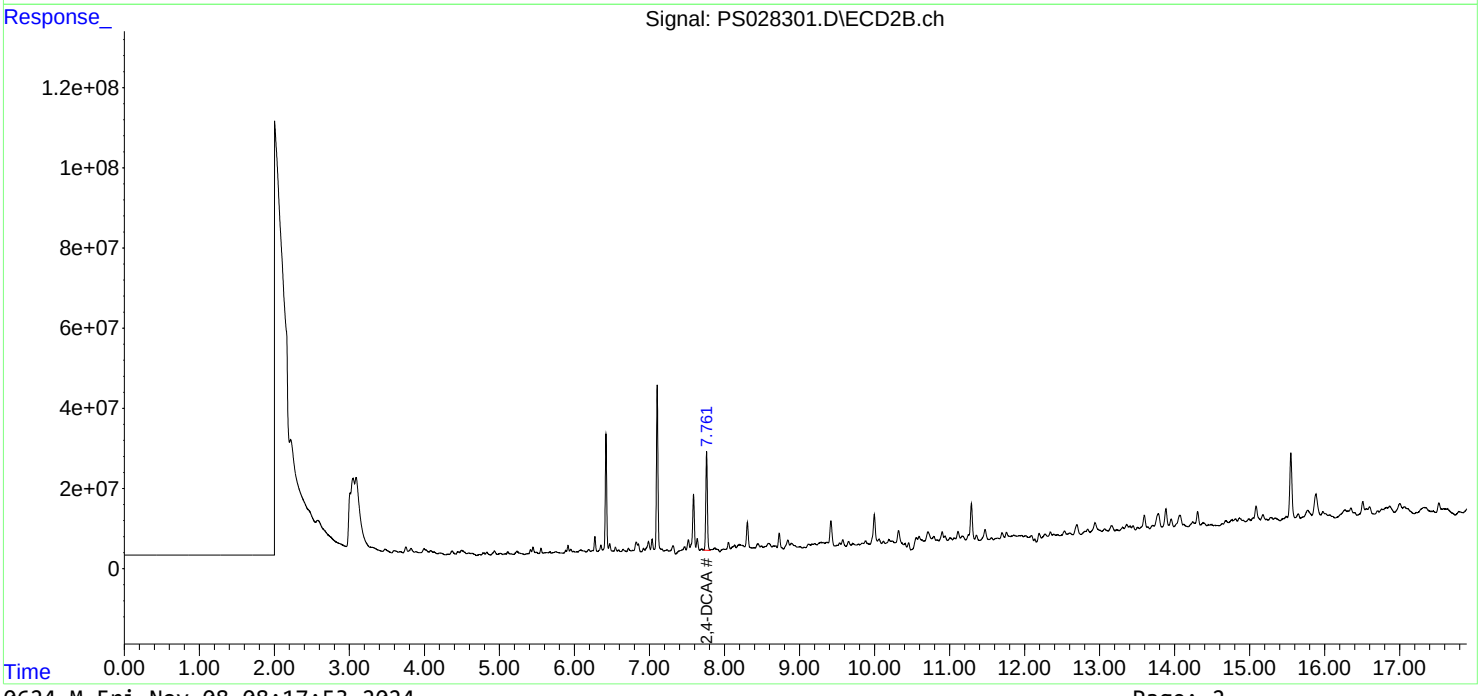
Instrument :
ECD_S
ClientSampleId :
C0PI8

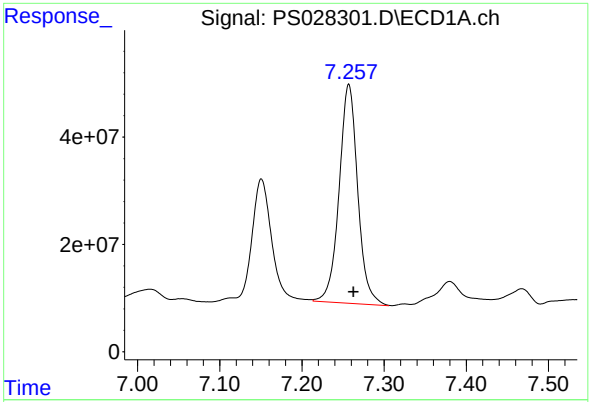
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 07:13:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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 0.25µm







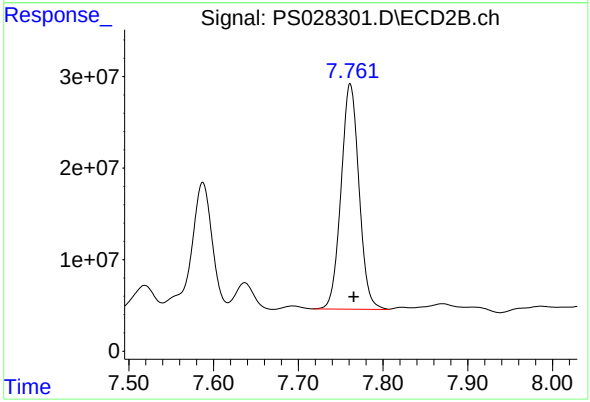
#4 2,4-DCAA

R.T.: 7.257 min
Delta R.T.: -0.006 min
Response: 642624959
Conc: 250.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
C0PI8

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.004 min
Response: 362860223
Conc: 208.33 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/22/24
Project:	R36704	Date Received:	10/29/24
Client Sample ID:	C0PI9	SDG No.:	P4601
Lab Sample ID:	P4601-23	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	86.9 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028302.D	1	10/31/24 10:00	11/07/24 07:04	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	77.1	U	10.0	77.1	ug/Kg
120-36-5	DICHLORPROP	77.1	U	11.0	77.1	ug/Kg
94-75-7	2,4-D	77.1	U	13.9	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	77.1	U	10.8	77.1	ug/Kg
93-76-5	2,4,5-T	77.1	U	11.6	77.1	ug/Kg
94-82-6	2,4-DB	77.1	U	21.1	77.1	ug/Kg
88-85-7	DINOSEB	77.1	U	14.3	77.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	467		10 - 141	93%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:04
Operator : AR\AJ
Sample : P4601-23
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
C0PI9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 07:14:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.256	7.761	1196.6E6	720.0E6	467.148m	413.396m
	Target Compounds						

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

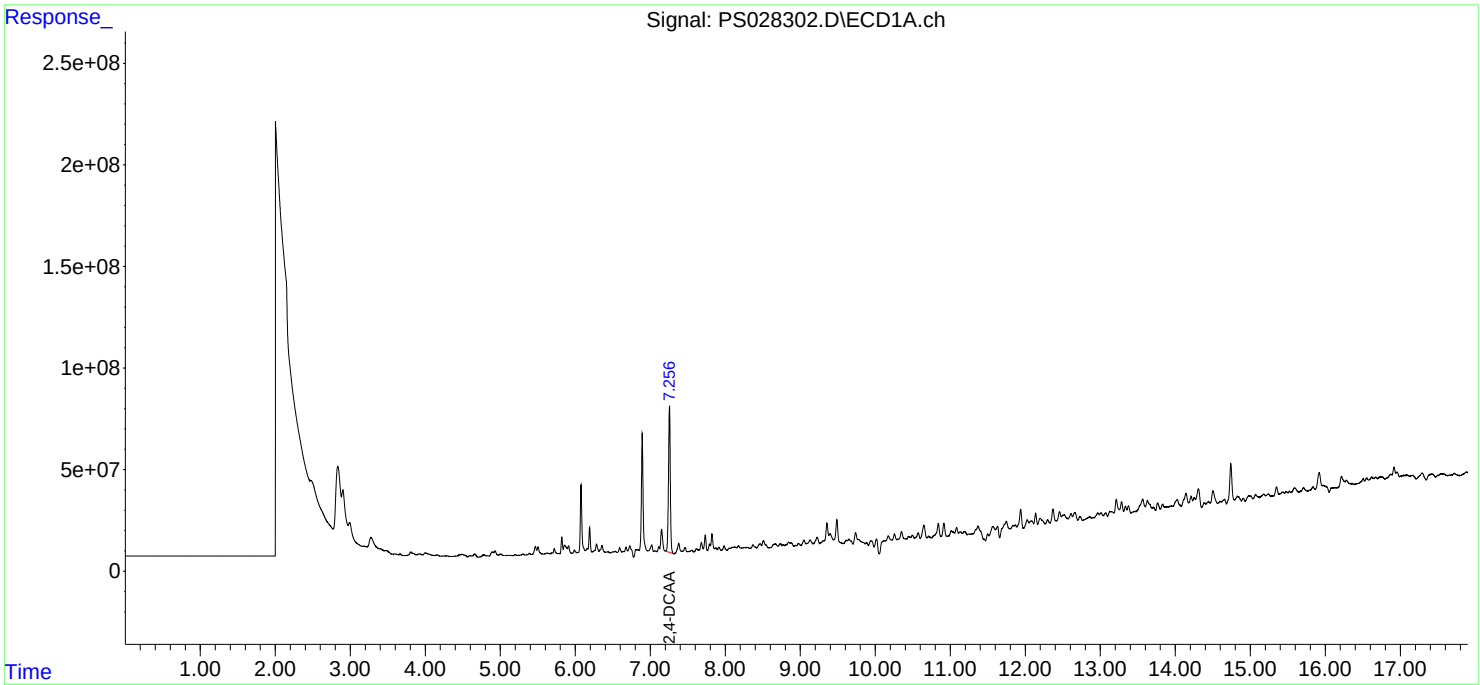
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:04
Operator : AR\AJ
Sample : P4601-23
Misc :
ALS Vial : 37 Sample Multiplier: 1

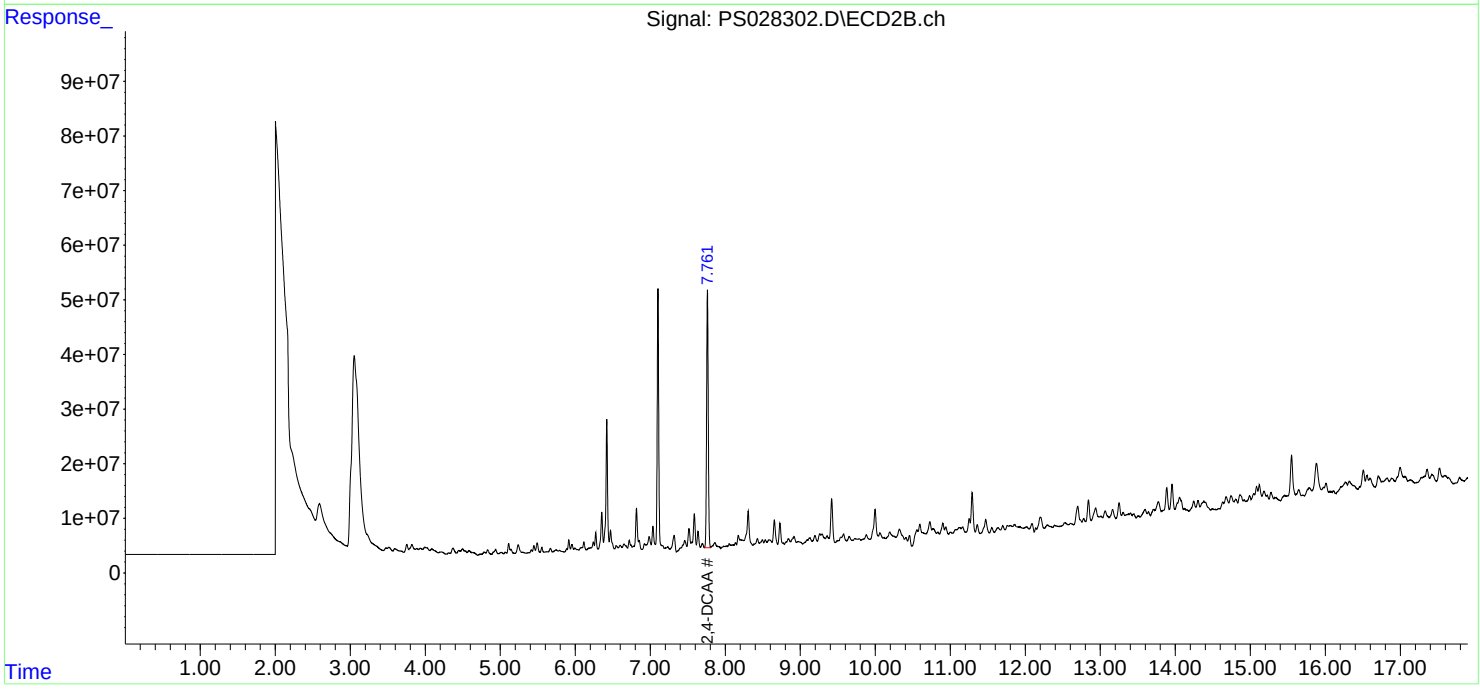
Instrument :
ECD_S
ClientSampleId :
C0PI9

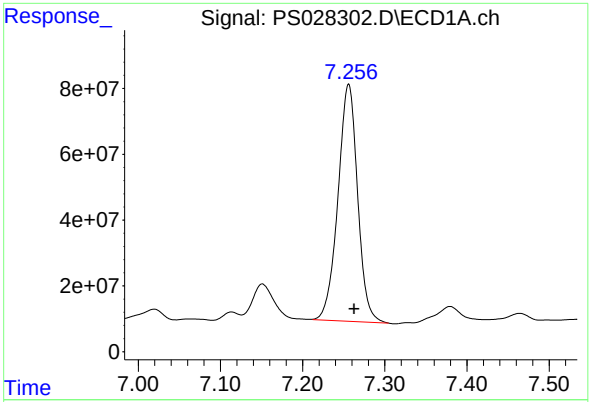
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 07:14:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







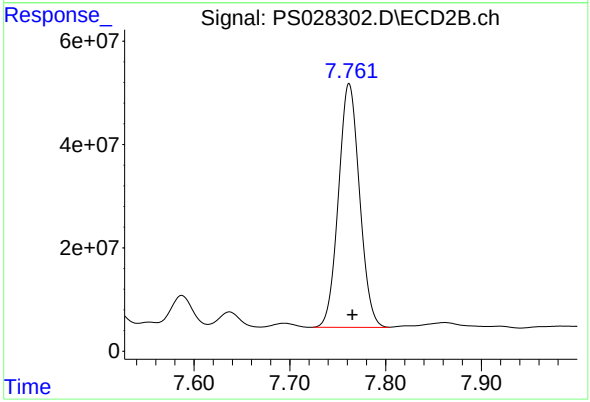
#4 2,4-DCAA

R.T.: 7.256 min
Delta R.T.: -0.007 min
Response: 1196559320
Conc: 467.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
C0PI9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.004 min
Response: 720044406
Conc: 413.40 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P1		SDG No.:	P4601	
Lab Sample ID:	P4601-24		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.3	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028303.D	1	10/31/24 10:00	11/07/24 07:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.1	U	9.10	70.1	ug/Kg
120-36-5	DICHLORPROP	70.1	U	10.0	70.1	ug/Kg
94-75-7	2,4-D	70.1	U	12.7	70.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.1	U	9.80	70.1	ug/Kg
93-76-5	2,4,5-T	70.1	U	10.6	70.1	ug/Kg
94-82-6	2,4-DB	70.1	U	19.1	70.1	ug/Kg
88-85-7	DINOSEB	70.1	U	13.0	70.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	461		10 - 141	92%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:28
Operator : AR\AJ
Sample : P4601-24
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0P1

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:02:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.256	7.760	1181.8E6	656.9E6	461.374	377.134m
	Target Compounds						

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

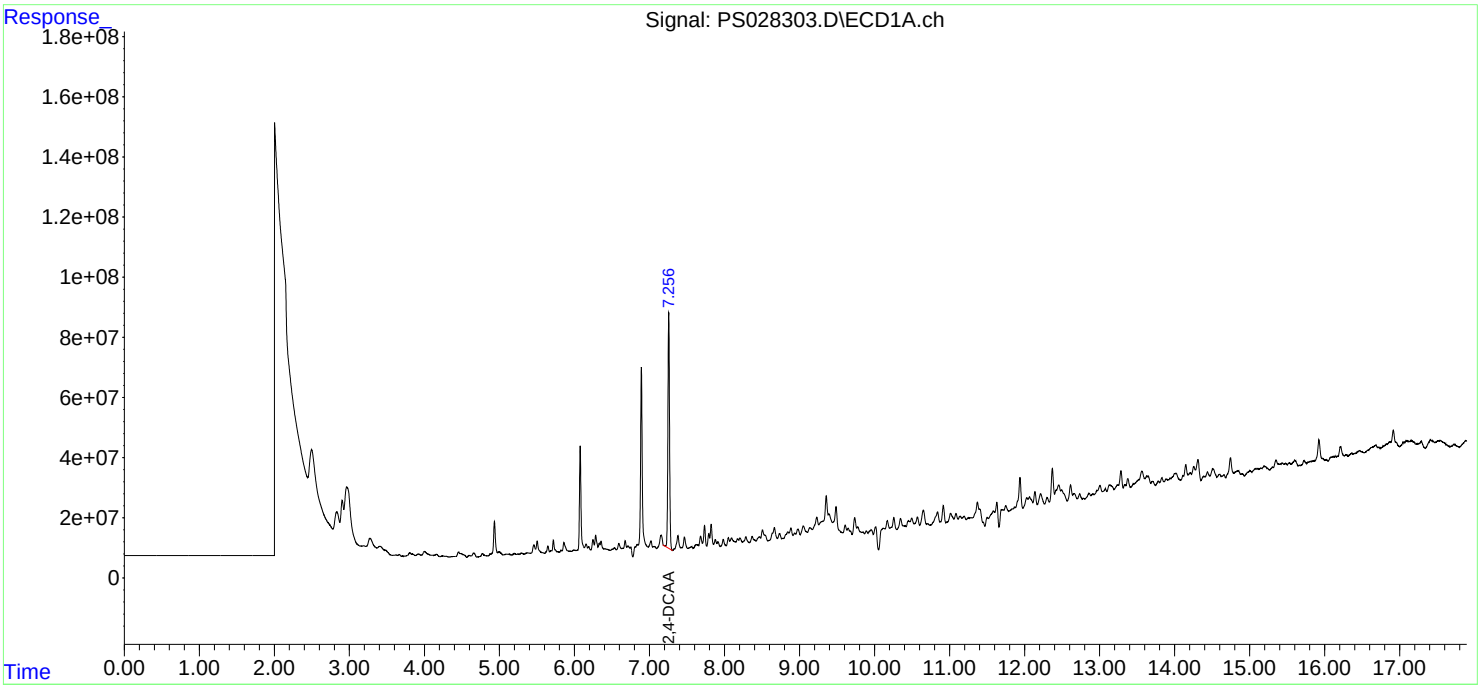
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:28
Operator : AR\AJ
Sample : P4601-24
Misc :
ALS Vial : 38 Sample Multiplier: 1

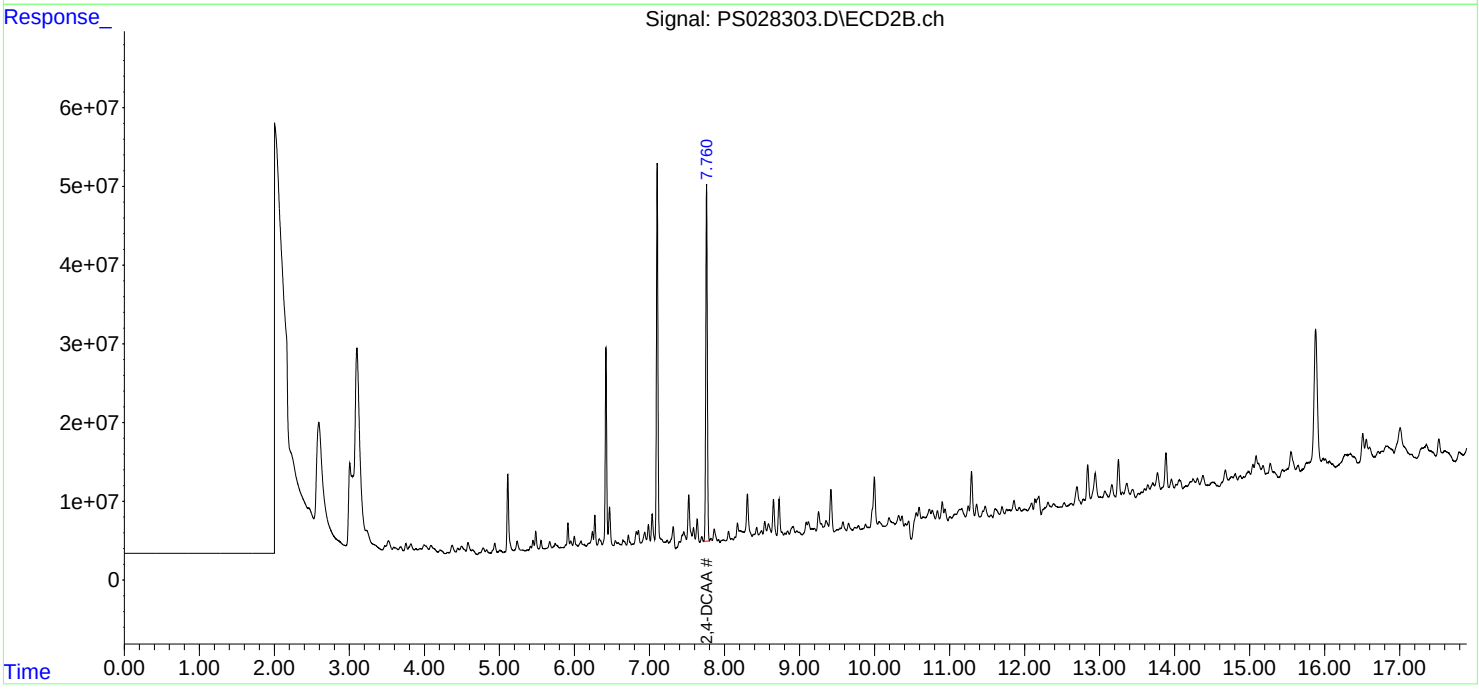
Instrument :
ECD_S
ClientSampleId :
CC0P1

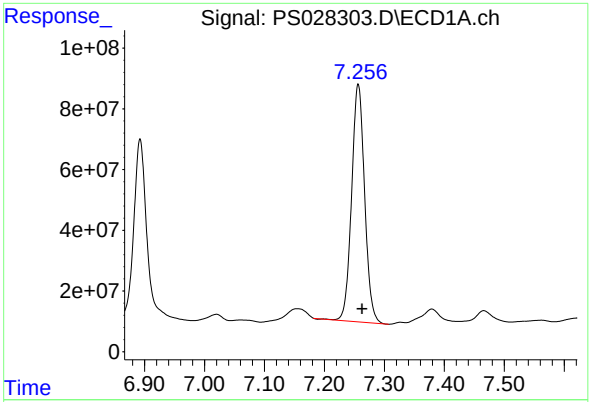
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:02:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







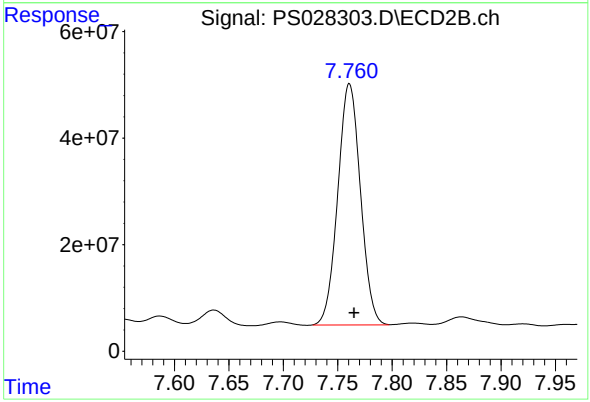
#4 2,4-DCAA

R.T.: 7.256 min
Delta R.T.: -0.006 min
Response: 1181770689
Conc: 461.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0P1

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 656884904
Conc: 377.13 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P3		SDG No.:	P4601	
Lab Sample ID:	P4601-25		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	87.7	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028304.D	1	10/31/24 10:00	11/07/24 07:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	76.3	U	9.90	76.3	ug/Kg
120-36-5	DICHLORPROP	76.3	U	10.9	76.3	ug/Kg
94-75-7	2,4-D	76.3	U	13.8	76.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	76.3	U	10.7	76.3	ug/Kg
93-76-5	2,4,5-T	76.3	U	11.5	76.3	ug/Kg
94-82-6	2,4-DB	76.3	U	20.8	76.3	ug/Kg
88-85-7	DINOSEB	76.3	U	14.1	76.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	337		10 - 141	67%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:52
Operator : AR\AJ
Sample : P4601-25
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0P3

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.255	7.761	863.1E6	488.9E6	336.976m	280.715m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 07:52
Operator : AR\AJ
Sample : P4601-25
Misc :
ALS Vial : 39 Sample Multiplier: 1

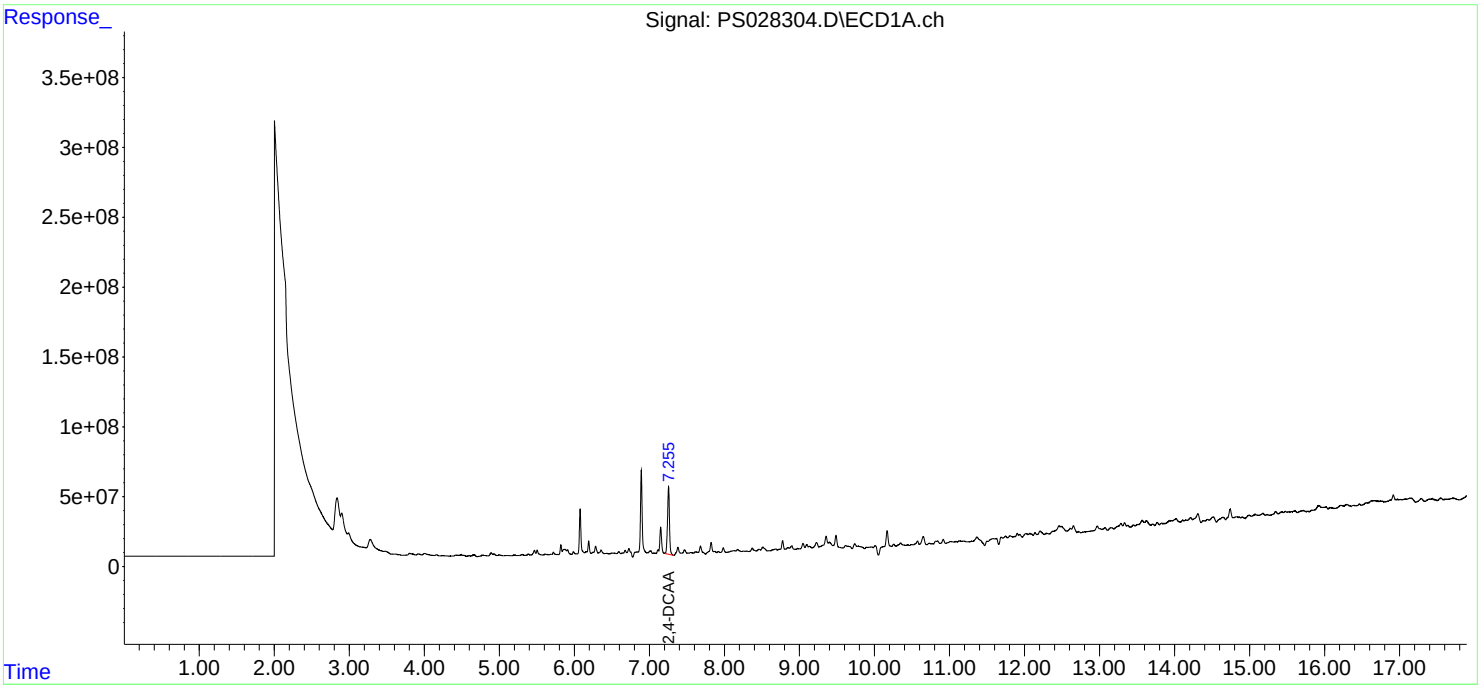
Instrument :
ECD_S
ClientSampleId :
CC0P3

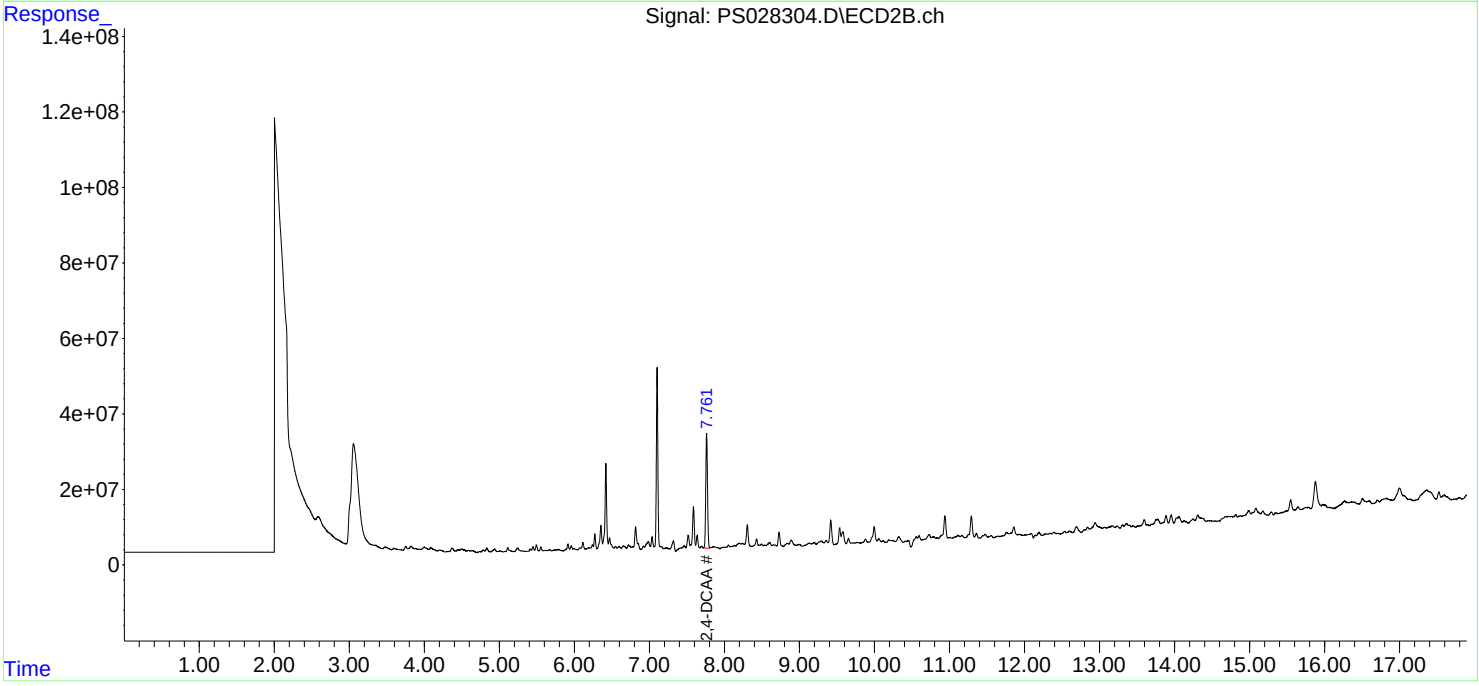
Manual Integrations APPROVED

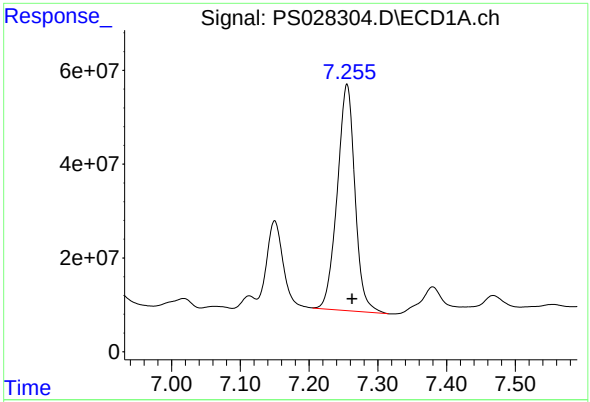
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:03:44 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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 0.25µm







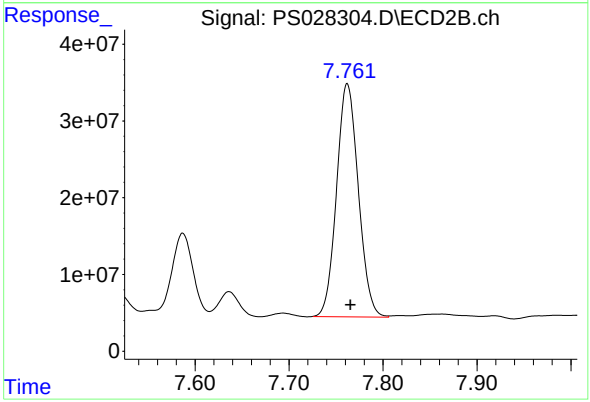
#4 2,4-DCAA

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 863136032
Conc: 336.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0P3

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.004 min
Response: 488944532
Conc: 280.72 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P5		SDG No.:	P4601	
Lab Sample ID:	P4601-26		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88.9	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028305.D	1	10/31/24 10:00	11/07/24 08:16	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.2	U	9.70	75.2	ug/Kg
120-36-5	DICHLORPROP	75.2	U	10.7	75.2	ug/Kg
94-75-7	2,4-D	75.2	U	13.6	75.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.2	U	10.5	75.2	ug/Kg
93-76-5	2,4,5-T	75.2	U	11.3	75.2	ug/Kg
94-82-6	2,4-DB	75.2	U	20.5	75.2	ug/Kg
88-85-7	DINOSEB	75.2	U	13.9	75.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	379		10 - 141	76%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 08:16
Operator : AR\AJ
Sample : P4601-26
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0P5

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:04:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.255	7.762	970.2E6	516.5E6	378.775m	296.525m
	Target Compounds						

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

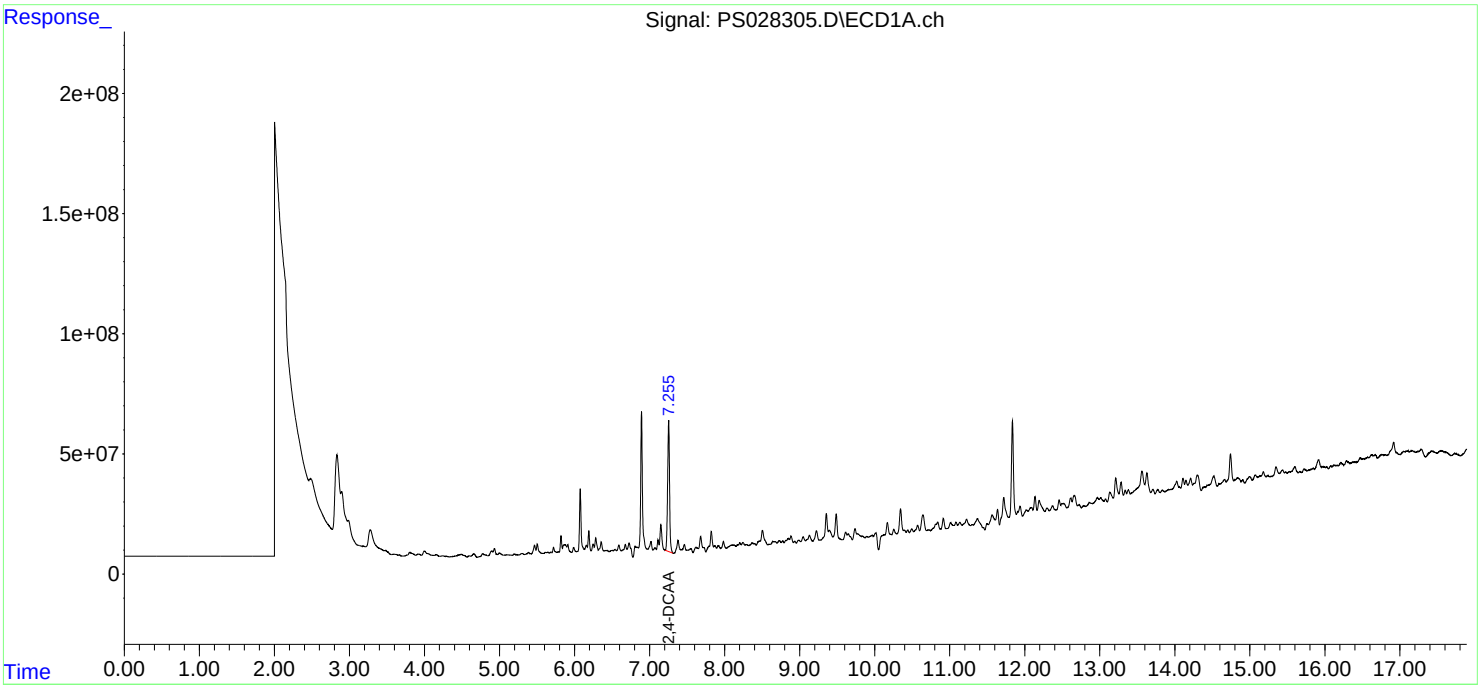
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 08:16
Operator : AR\AJ
Sample : P4601-26
Misc :
ALS Vial : 40 Sample Multiplier: 1

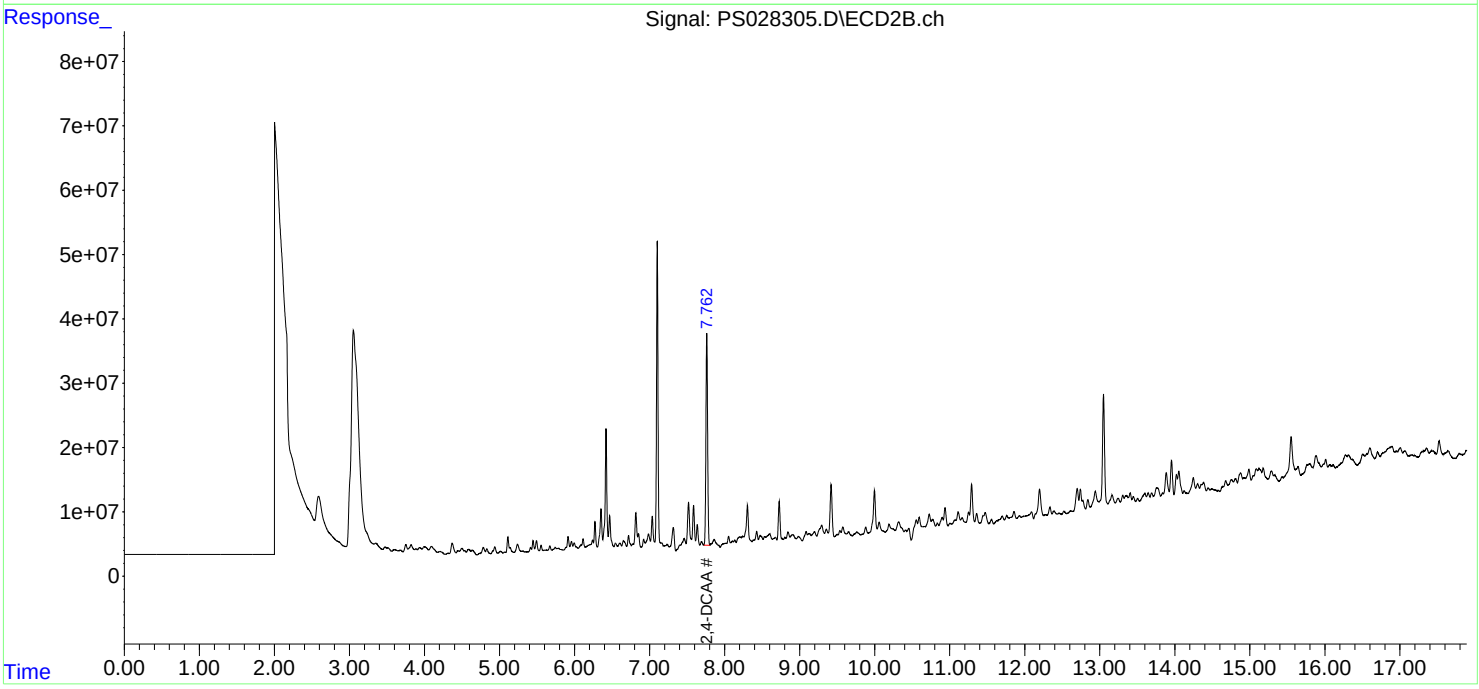
Instrument :
ECD_S
ClientSampleId :
CC0P5

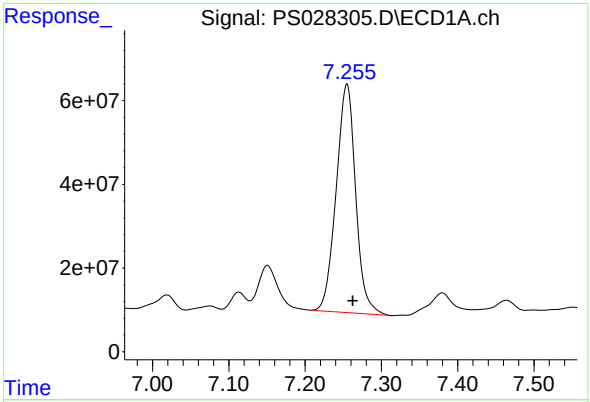
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:04:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







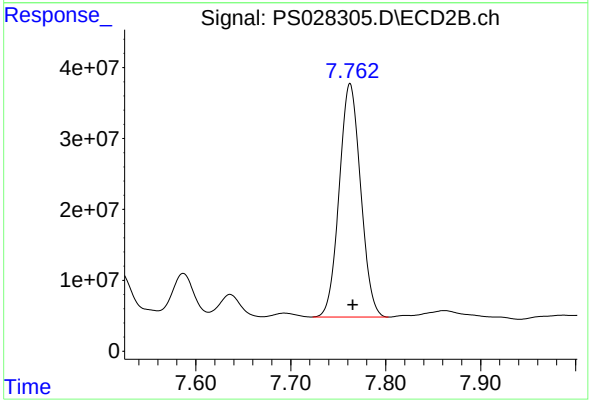
#4 2,4-DCAA

R.T.: 7.255 min
Delta R.T.: -0.008 min
Response: 970198713
Conc: 378.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0P5

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 516480944
Conc: 296.52 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/22/24
Project:	R36704	Date Received:	10/29/24
Client Sample ID:	CC0P7	SDG No.:	P4601
Lab Sample ID:	P4601-27	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	88 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028306.D	1	10/31/24 10:00	11/07/24 08:40	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.9	U	9.80	75.9	ug/Kg
120-36-5	DICHLORPROP	75.9	U	10.8	75.9	ug/Kg
94-75-7	2,4-D	75.9	U	13.7	75.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.9	U	10.6	75.9	ug/Kg
93-76-5	2,4,5-T	75.9	U	11.4	75.9	ug/Kg
94-82-6	2,4-DB	75.9	U	20.7	75.9	ug/Kg
88-85-7	DINOSEB	75.9	U	14.0	75.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	214		10 - 141	43%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 08:40
Operator : AR\AJ
Sample : P4601-27
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0P7

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:05:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.255	7.760	547.6E6	281.6E6	213.797m	161.646m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 08:40
Operator : AR\AJ
Sample : P4601-27
Misc :
ALS Vial : 41 Sample Multiplier: 1

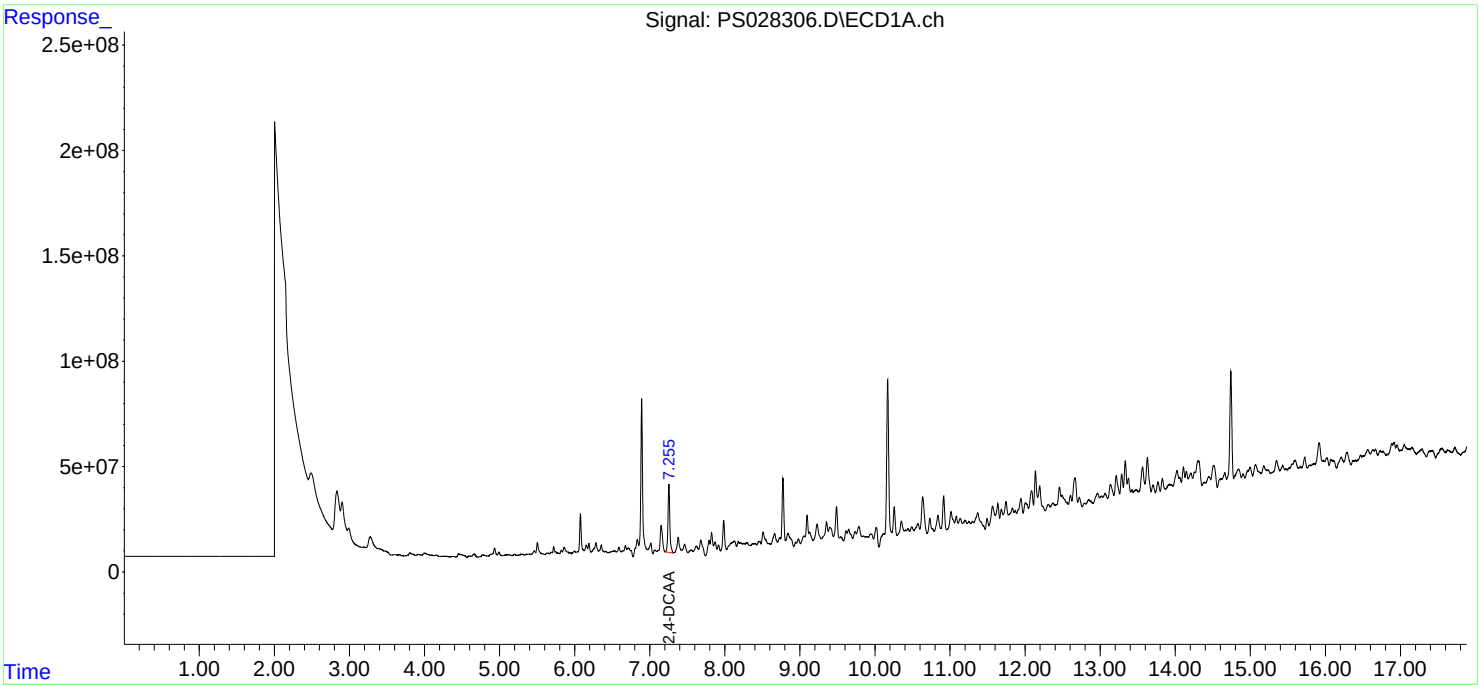
Instrument :
ECD_S
ClientSampleId :
CC0P7

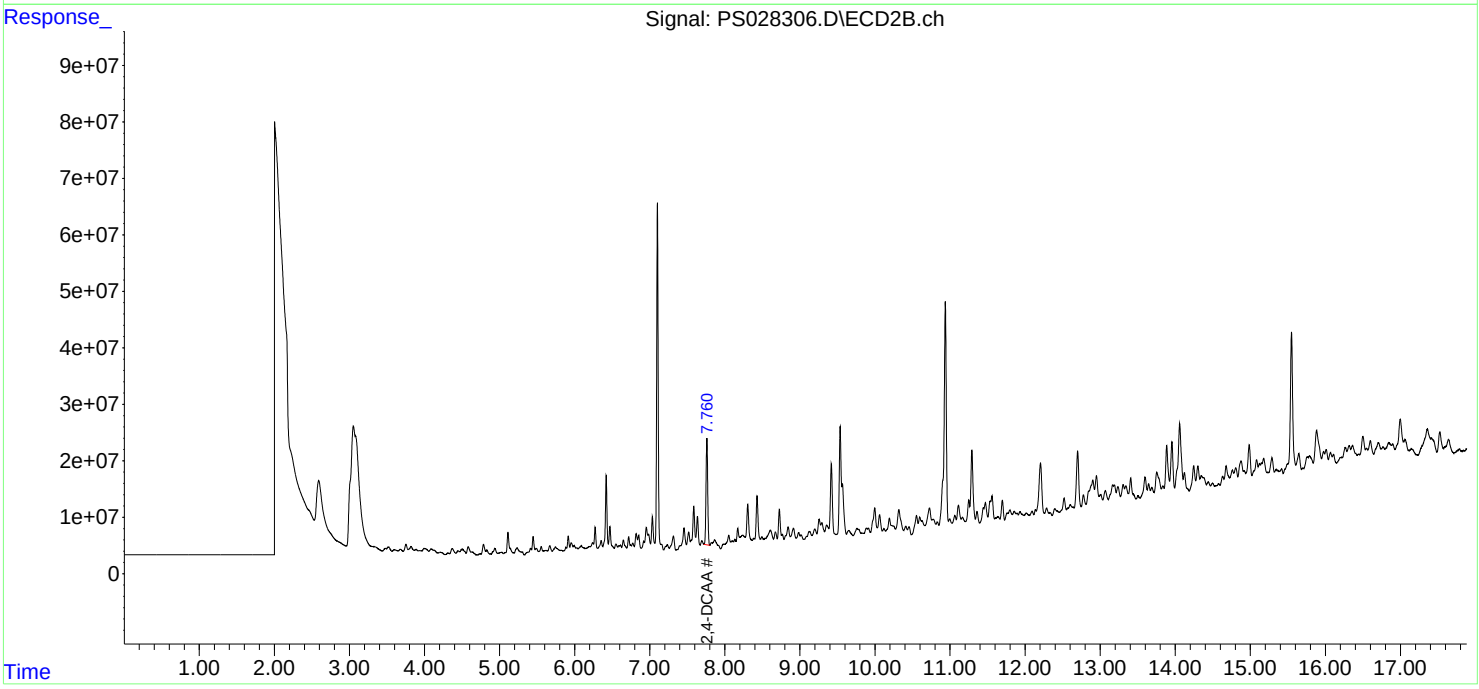
Manual Integrations APPROVED

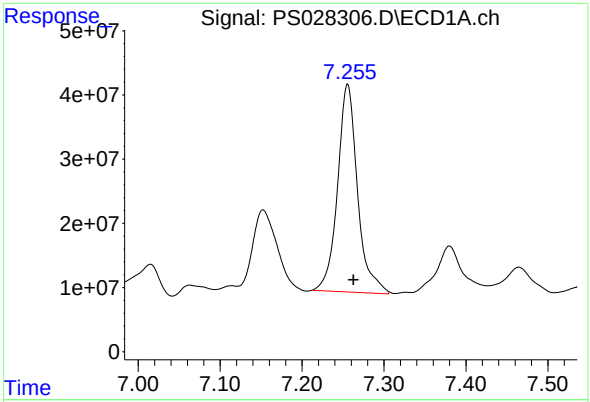
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:05:42 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







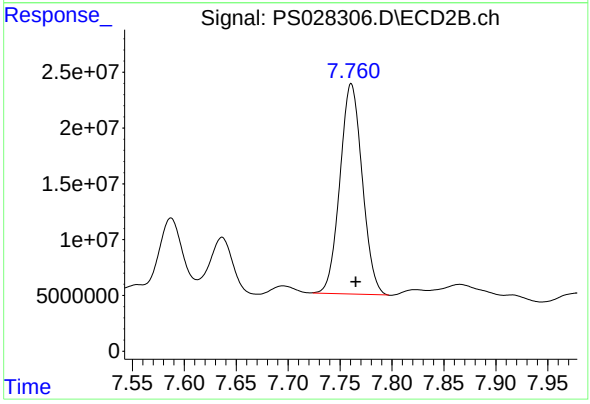
#4 2,4-DCAA

R.T.: 7.255 min
Delta R.T.: -0.007 min
Response: 547623270
Conc: 213.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0P7

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 281552636
Conc: 161.65 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0P9		SDG No.:	P4601	
Lab Sample ID:	P4601-28		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	88.3	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028307.D	1	10/31/24 10:00	11/07/24 09:04	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	75.9	U	9.80	75.9	ug/Kg
120-36-5	DICHLORPROP	75.9	U	10.8	75.9	ug/Kg
94-75-7	2,4-D	75.9	U	13.7	75.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	75.9	U	10.6	75.9	ug/Kg
93-76-5	2,4,5-T	75.9	U	11.4	75.9	ug/Kg
94-82-6	2,4-DB	75.9	U	20.7	75.9	ug/Kg
88-85-7	DINOSEB	75.9	U	14.0	75.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	231		10 - 141	46%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:04
Operator : AR\AJ
Sample : P4601-28
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0P9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:06:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.256	7.760	592.9E6	340.9E6	231.476m	195.724m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028307.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:04
Operator : AR\AJ
Sample : P4601-28
Misc :
ALS Vial : 42 Sample Multiplier: 1

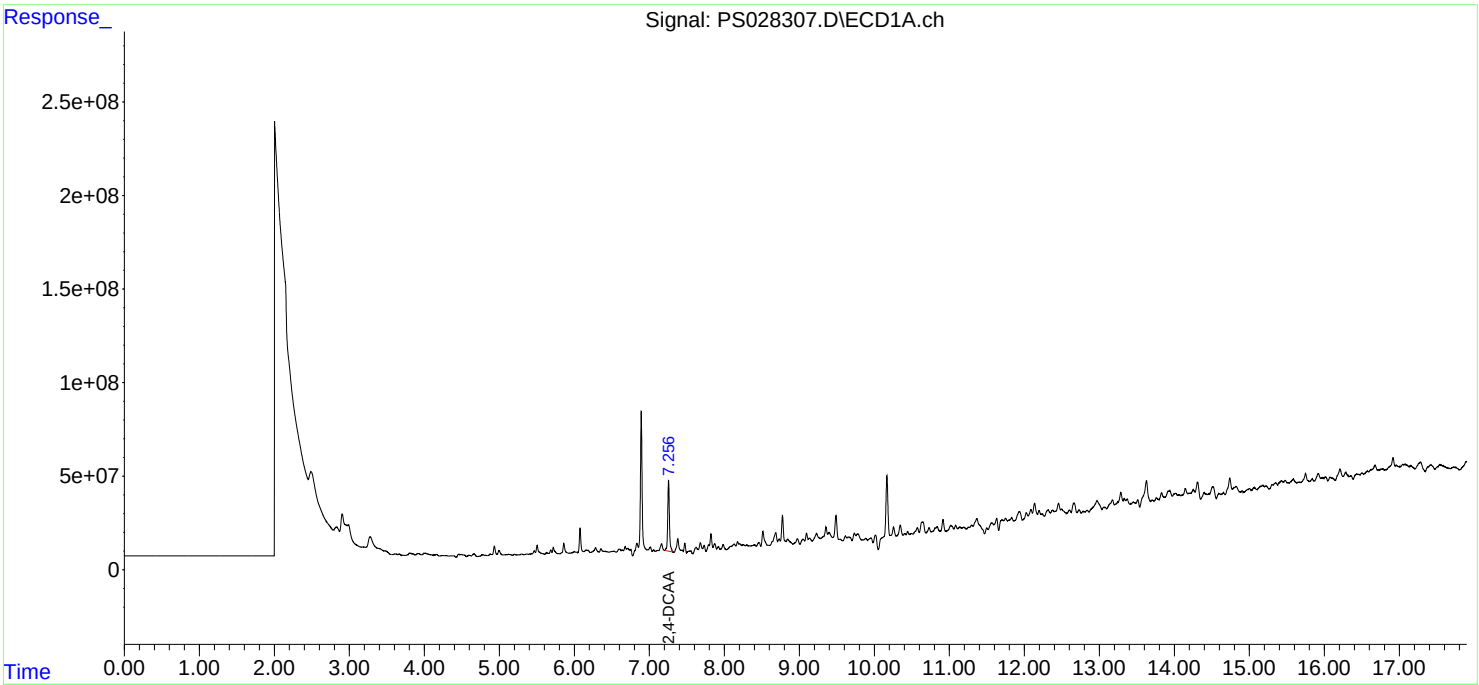
Instrument :
ECD_S
ClientSampleId :
CC0P9

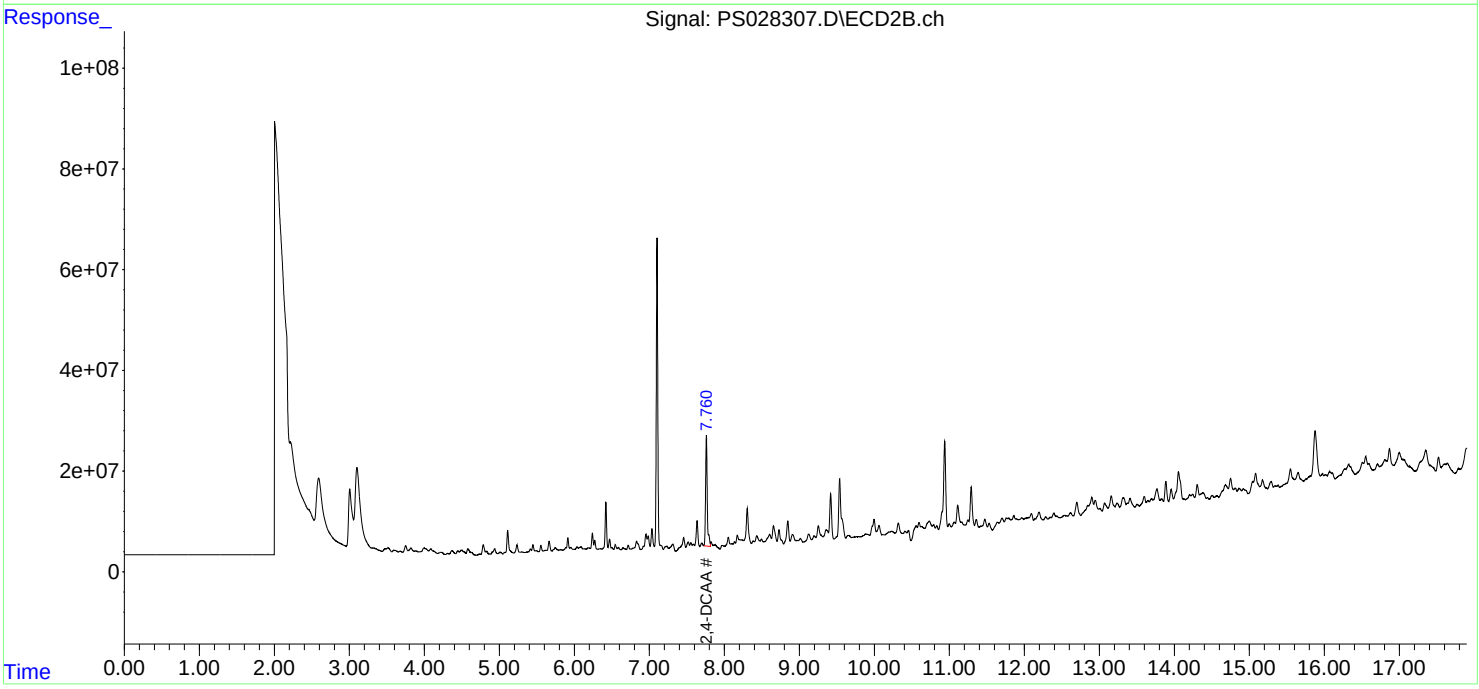
Manual Integrations APPROVED

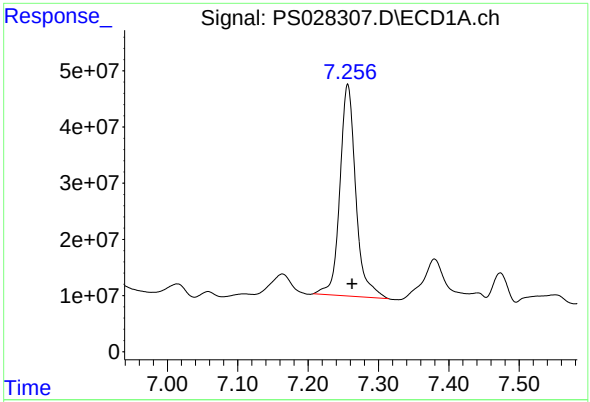
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 03:06:39 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







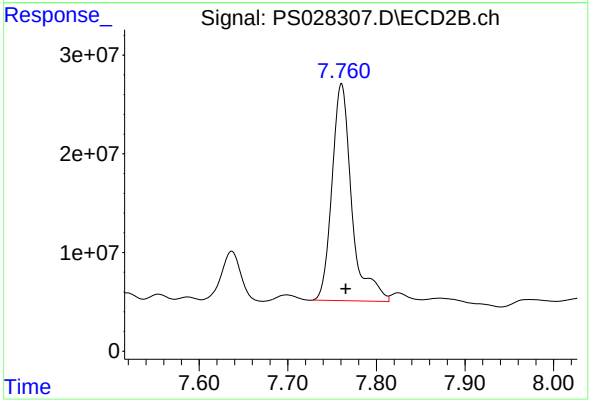
#4 2,4-DCAA

R.T.: 7.256 min
Delta R.T.: -0.007 min
Response: 592905966
Conc: 231.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0P9

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 340908591
Conc: 195.72 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	10/22/24
Project:	R36704	Date Received:	10/29/24
Client Sample ID:	CC0Q1	SDG No.:	P4601
Lab Sample ID:	P4601-29	Matrix:	SOIL
Analytical Method:	SW8151A	% Solid:	88 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028395.D	1	10/31/24 10:00	11/11/24 12:05	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	76.0	U	9.80	76.0	ug/Kg
120-36-5	DICHLORPROP	76.0	U	10.8	76.0	ug/Kg
94-75-7	2,4-D	76.0	U	13.7	76.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	76.0	U	10.6	76.0	ug/Kg
93-76-5	2,4,5-T	76.0	U	11.5	76.0	ug/Kg
94-82-6	2,4-DB	76.0	U	20.7	76.0	ug/Kg
88-85-7	DINOSEB	76.0	U	14.1	76.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	261		10 - 141	52%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:05
Operator : AR\AJ
Sample : P4601-29
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0Q1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:10:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.247	7.750	719.9E6	328.6E6	260.757	206.198
	Target Compounds						

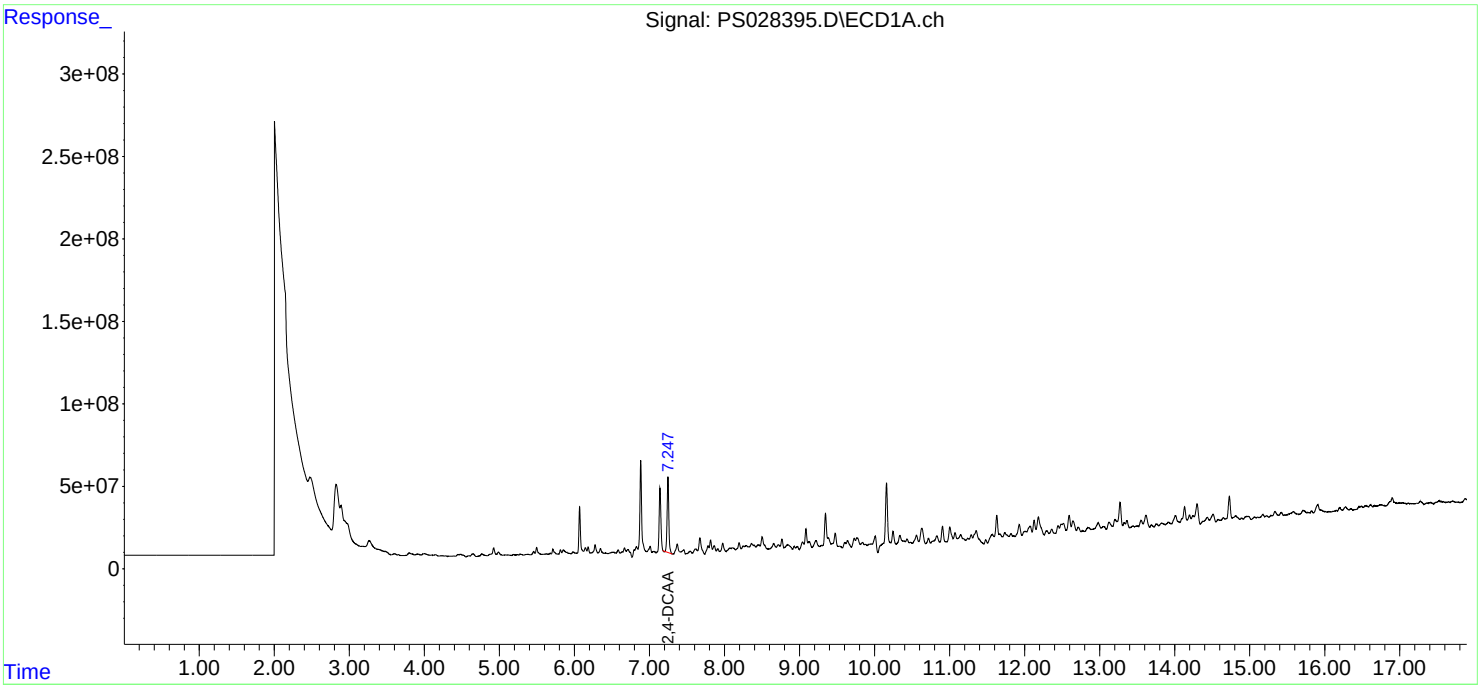
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

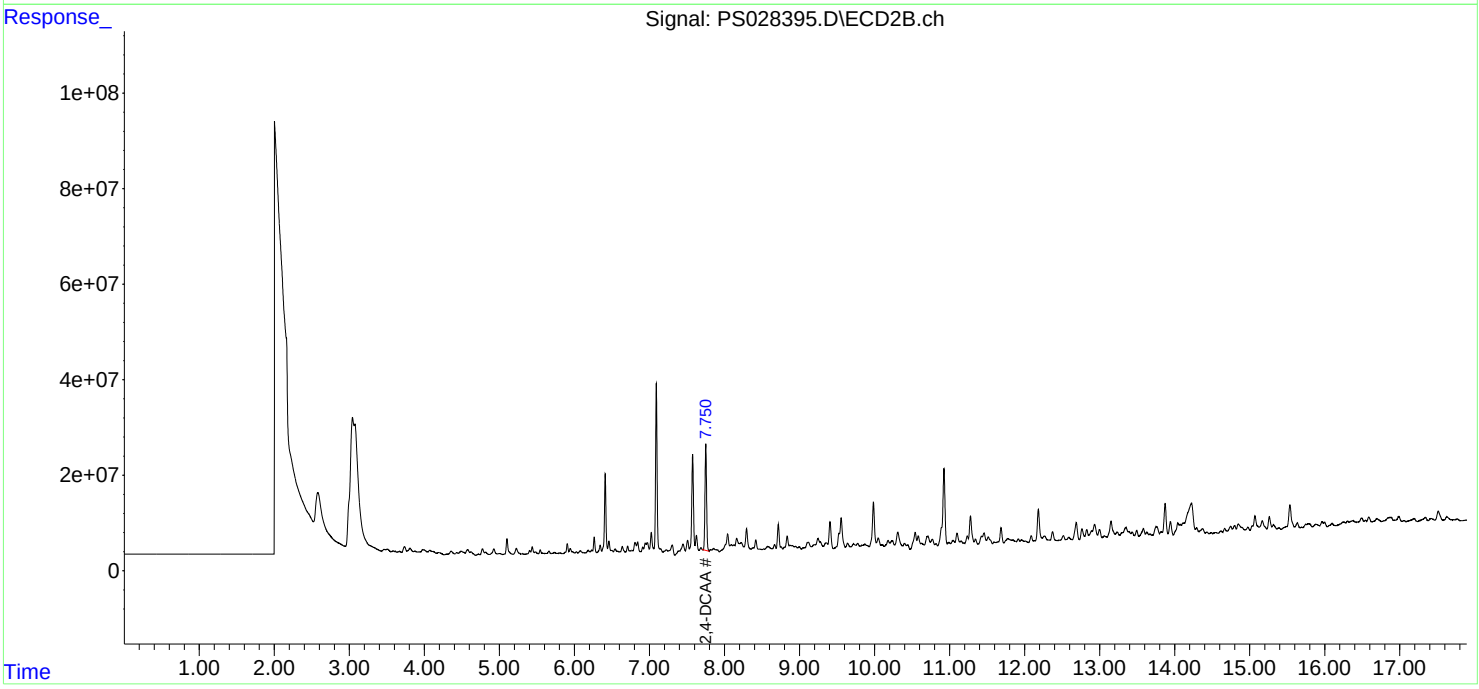
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028395.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:05
Operator : AR\AJ
Sample : P4601-29
Misc :
ALS Vial : 4 Sample Multiplier: 1

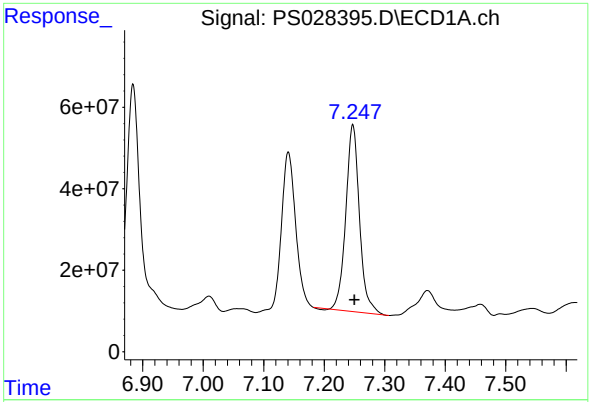
Instrument :
ECD_S
ClientSampleId :
CC0Q1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:10:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



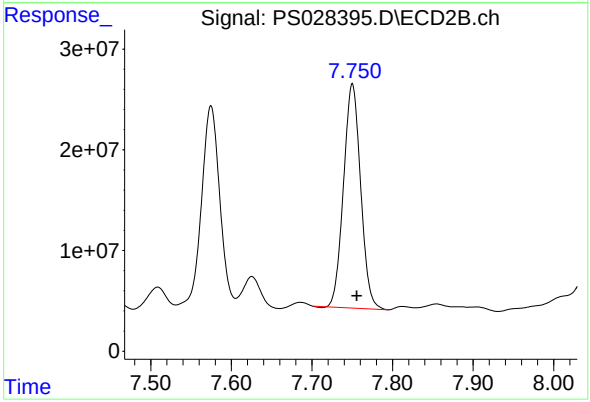




#4 2,4-DCAA

R.T.: 7.247 min
Delta R.T.: -0.003 min
Response: 719885100
Conc: 260.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0Q1



#4 2,4-DCAA

R.T.: 7.750 min
Delta R.T.: -0.005 min
Response: 328559730
Conc: 206.20 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/22/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q6		SDG No.:	P4601	
Lab Sample ID:	P4601-30		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	92.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028396.D	1	10/31/24 10:00	11/11/24 12:29	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	72.1	U	9.30	72.1	ug/Kg
120-36-5	DICHLORPROP	72.1	U	10.3	72.1	ug/Kg
94-75-7	2,4-D	72.1	U	13.0	72.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	72.1	U	10.1	72.1	ug/Kg
93-76-5	2,4,5-T	72.1	U	10.9	72.1	ug/Kg
94-82-6	2,4-DB	72.1	U	19.7	72.1	ug/Kg
88-85-7	DINOSEB	72.1	U	13.3	72.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	251		10 - 141	50%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:29
Operator : AR\AJ
Sample : P4601-30
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0Q6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:10:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.752	694.2E6	336.3E6	251.462	211.046
	Target Compounds						

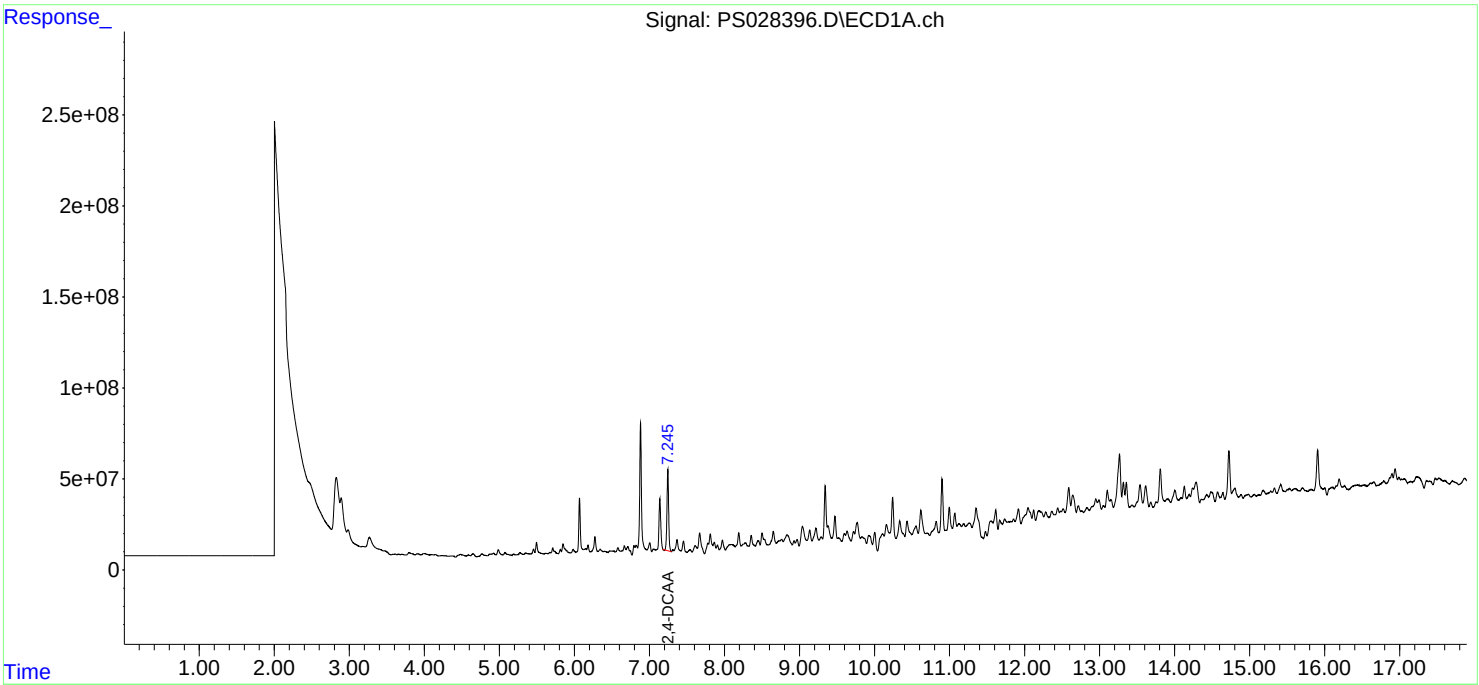
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

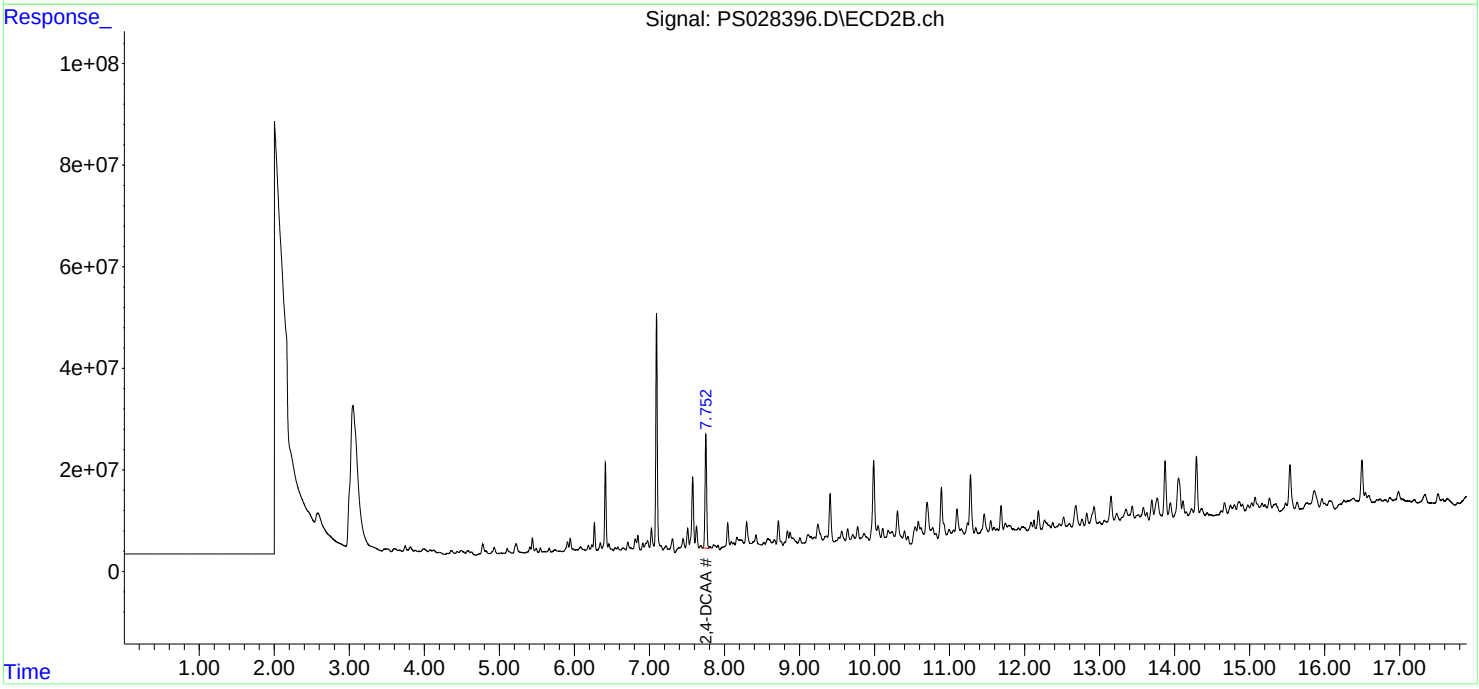
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028396.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:29
Operator : AR\AJ
Sample : P4601-30
Misc :
ALS Vial : 5 Sample Multiplier: 1

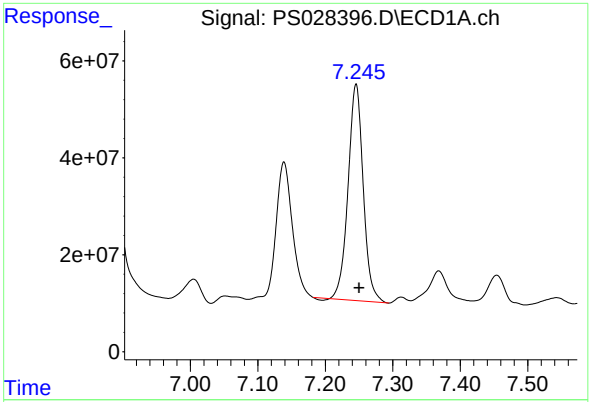
Instrument :
ECD_S
ClientSampleId :
CC0Q6

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:10:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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 0.25µm



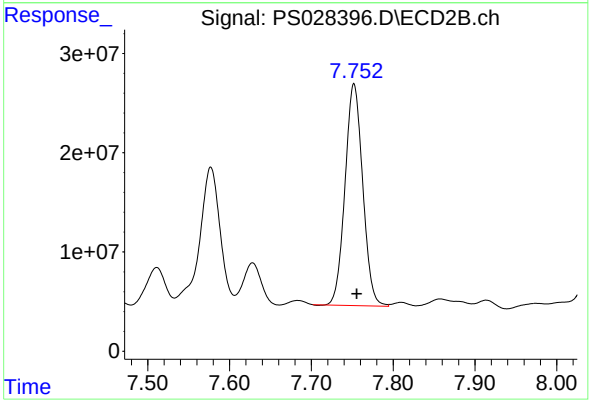




#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.005 min
Response: 694225023
Conc: 251.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0Q6



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.003 min
Response: 336285038
Conc: 211.05 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0Q8		SDG No.:	P4601	
Lab Sample ID:	P4601-31		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	84.6	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028397.D	1	10/31/24 10:00	11/11/24 12:56	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	79.0	U	10.2	79.0	ug/Kg
120-36-5	DICHLORPROP	79.0	U	11.2	79.0	ug/Kg
94-75-7	2,4-D	79.0	U	14.3	79.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	79.0	U	11.1	79.0	ug/Kg
93-76-5	2,4,5-T	79.0	U	11.9	79.0	ug/Kg
94-82-6	2,4-DB	79.0	U	21.6	79.0	ug/Kg
88-85-7	DINOSEB	79.0	U	14.6	79.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	227		10 - 141	45%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:56
Operator : AR\AJ
Sample : P4601-31
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0Q8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:11:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.247	7.753	625.8E6	259.9E6	226.678	163.096 #
	Target Compounds						

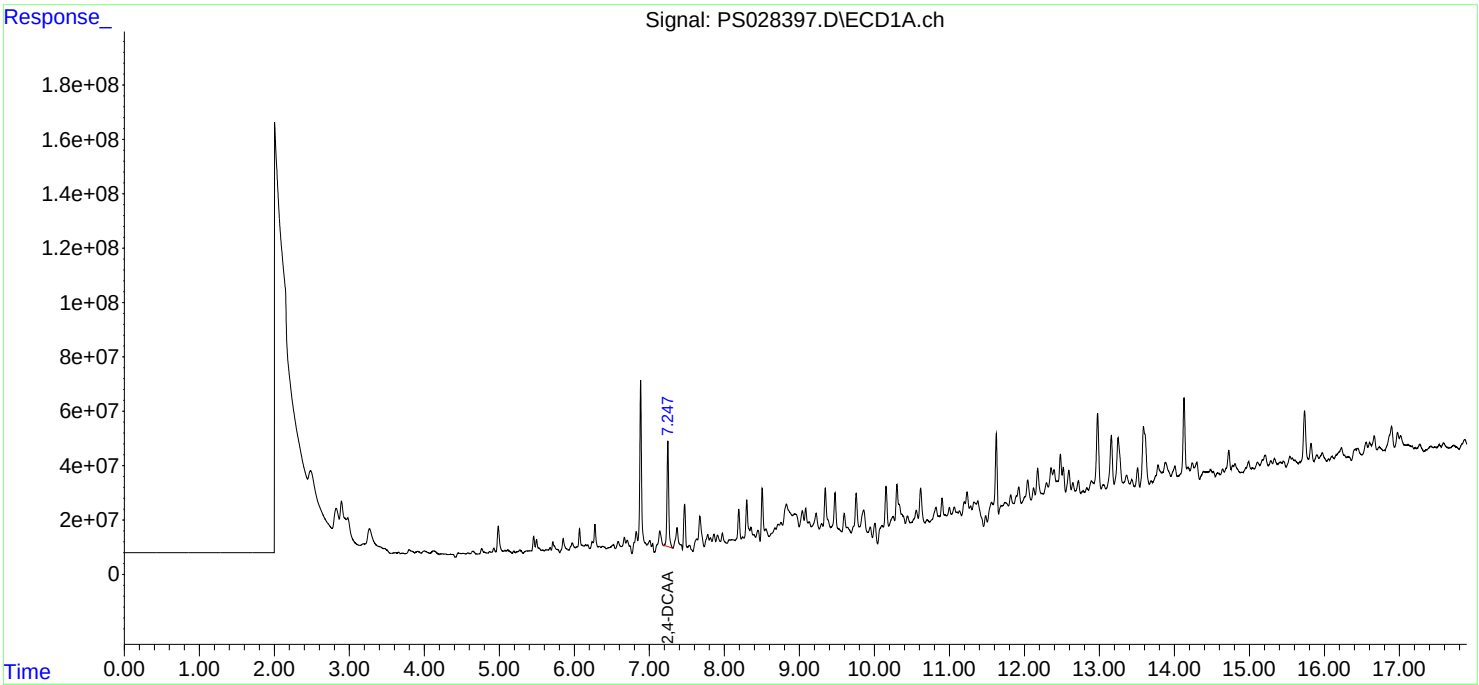
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

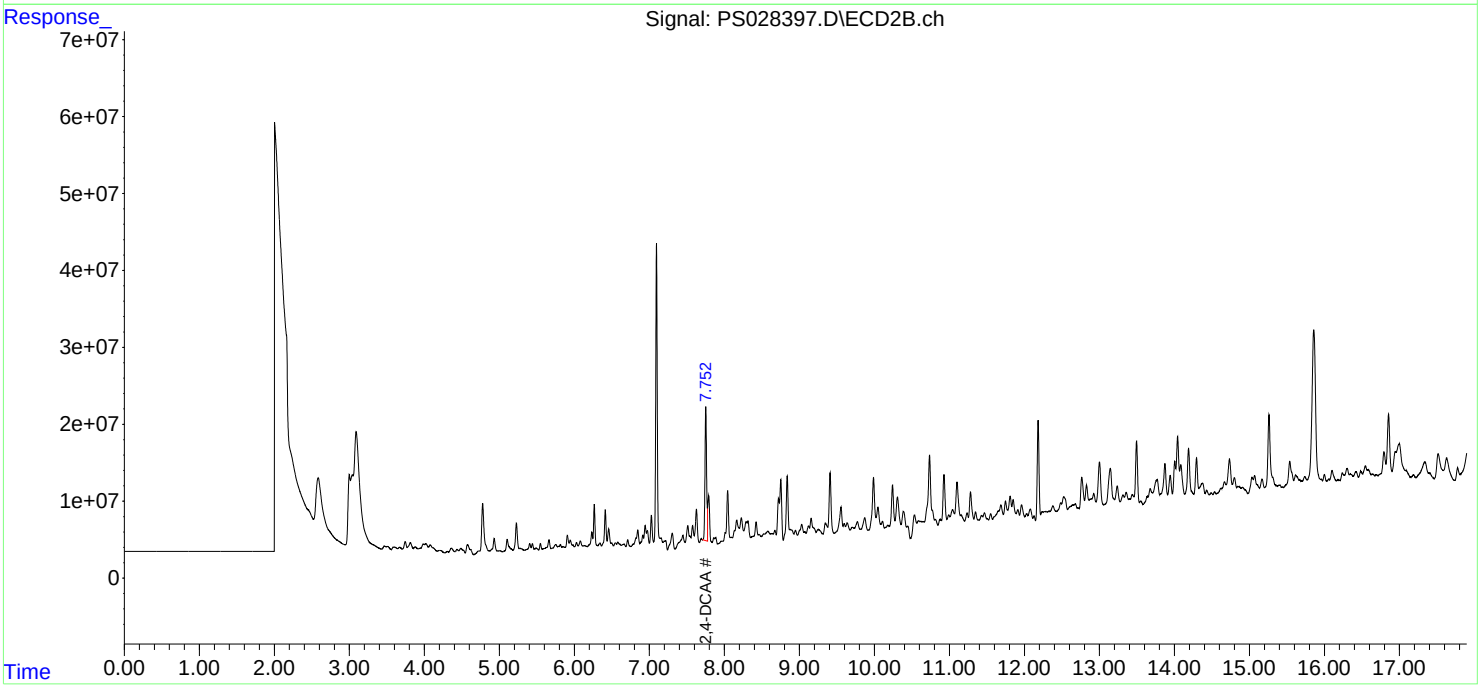
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028397.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 12:56
Operator : AR\AJ
Sample : P4601-31
Misc :
ALS Vial : 6 Sample Multiplier: 1

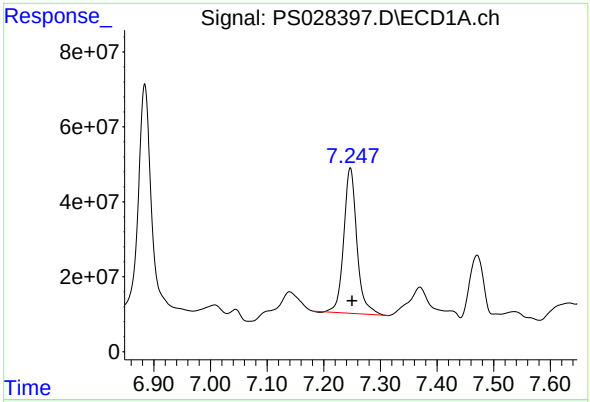
Instrument :
ECD_S
ClientSampleId :
CC0Q8

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:11:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



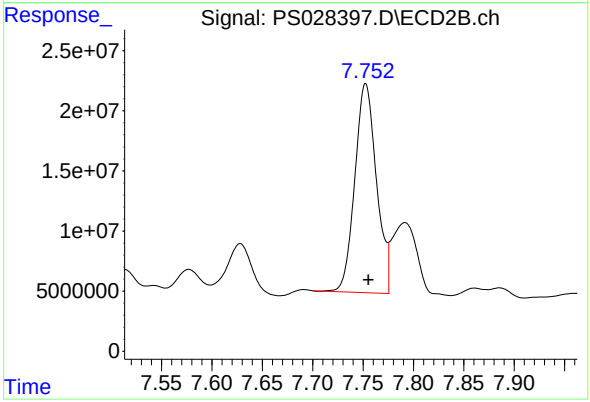




#4 2,4-DCAA

R.T.: 7.247 min
Delta R.T.: -0.003 min
Response: 625802045
Conc: 226.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0Q8



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.003 min
Response: 259881389
Conc: 163.10 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R3		SDG No.:	P4601	
Lab Sample ID:	P4601-32		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	77.9	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028398.D	1	10/31/24 10:00	11/11/24 13:20	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	85.9	U	11.1	85.9	ug/Kg
120-36-5	DICHLORPROP	85.9	U	12.2	85.9	ug/Kg
94-75-7	2,4-D	85.9	U	15.5	85.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	85.9	U	12.0	85.9	ug/Kg
93-76-5	2,4,5-T	85.9	U	12.9	85.9	ug/Kg
94-82-6	2,4-DB	85.9	U	23.5	85.9	ug/Kg
88-85-7	DINOSEB	85.9	U	15.9	85.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	326		10 - 141	65%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:20
Operator : AR\AJ
Sample : P4601-32
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:12:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.752	899.9E6	440.9E6	325.974	276.711
	Target Compounds						

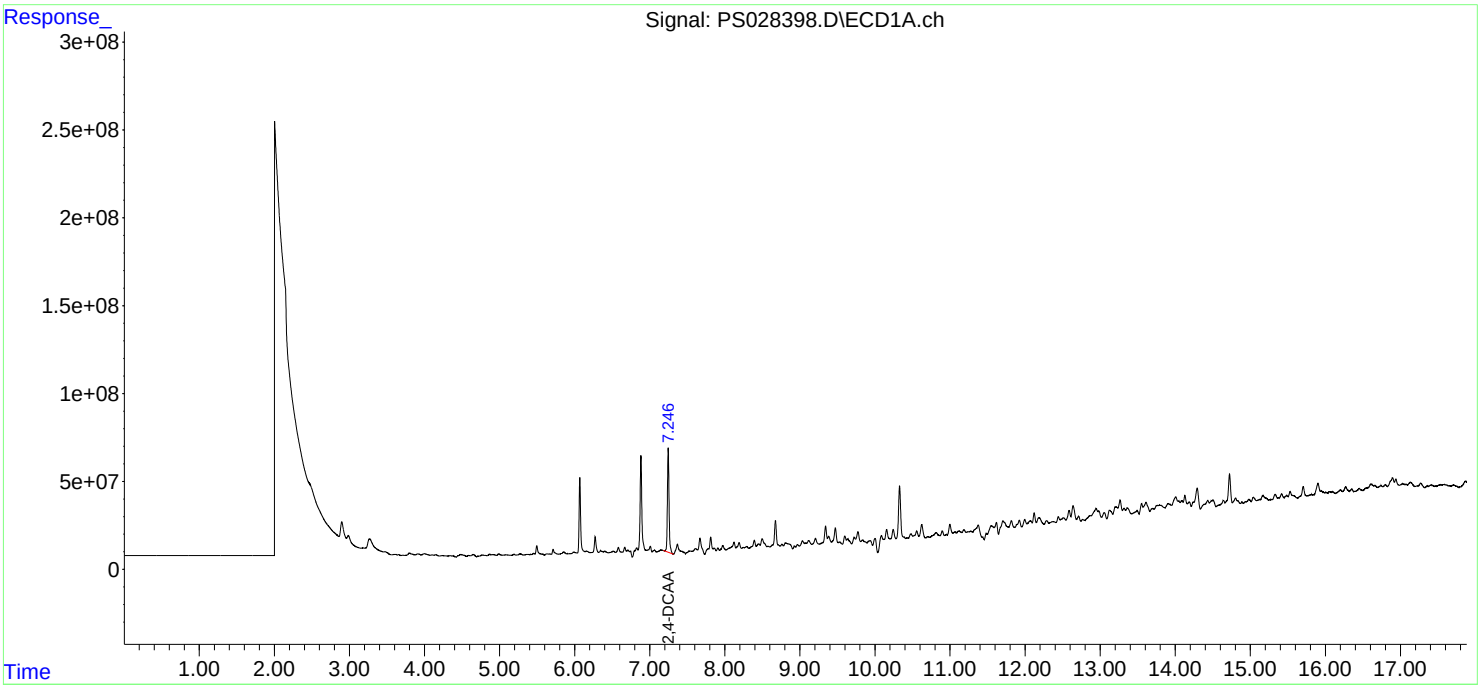
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

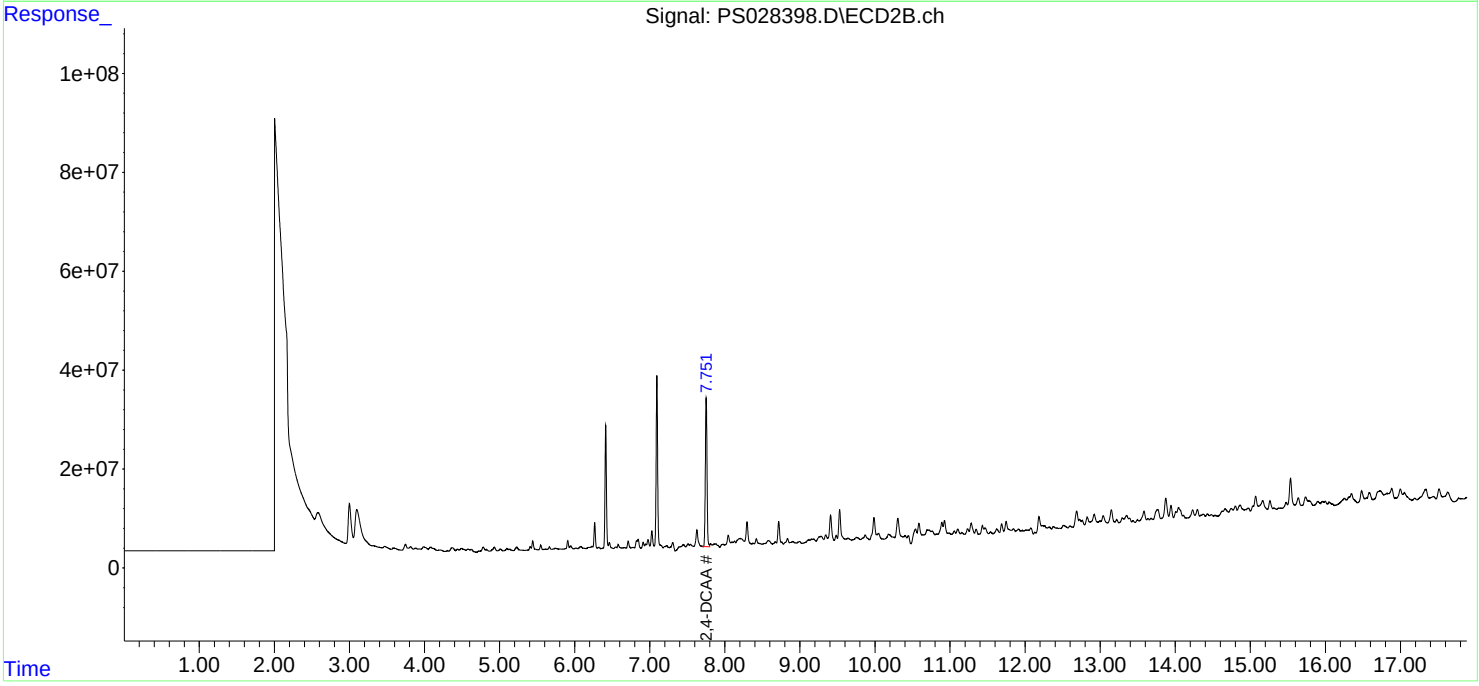
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028398.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:20
Operator : AR\AJ
Sample : P4601-32
Misc :
ALS Vial : 7 Sample Multiplier: 1

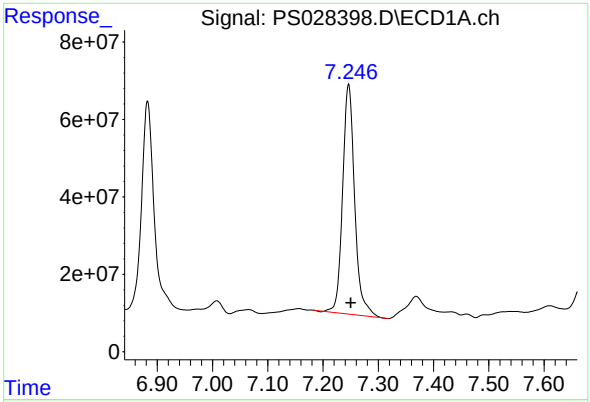
Instrument :
ECD_S
ClientSampleId :
CC0R3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:12:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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 0.25µm



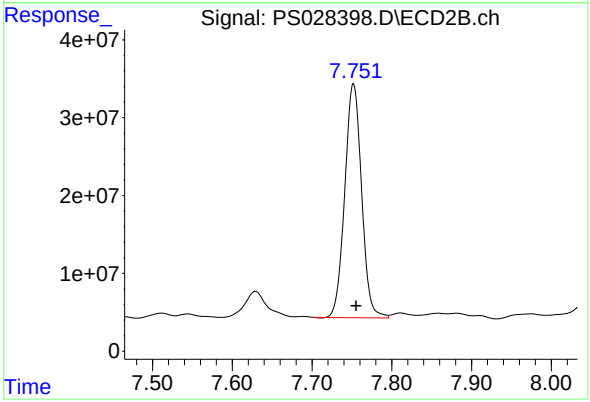




#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.004 min
Response: 899934646
Conc: 325.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R3



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.003 min
Response: 440917750
Conc: 276.71 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R4		SDG No.:	P4601	
Lab Sample ID:	P4601-33		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	71.6	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028399.D	1	10/31/24 10:00	11/11/24 13:44	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	93.5	U	12.1	93.5	ug/Kg
120-36-5	DICHLORPROP	93.5	U	13.3	93.5	ug/Kg
94-75-7	2,4-D	93.5	U	16.9	93.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	93.5	U	13.1	93.5	ug/Kg
93-76-5	2,4,5-T	93.5	U	14.1	93.5	ug/Kg
94-82-6	2,4-DB	93.5	U	25.5	93.5	ug/Kg
88-85-7	DINOSEB	93.5	U	17.3	93.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	386		10 - 141	77%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:44
Operator : AR\AJ
Sample : P4601-33
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:13:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.752	1065.9E6	522.4E6	386.099	327.850m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028399.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 13:44
Operator : AR\AJ
Sample : P4601-33
Misc :
ALS Vial : 8 Sample Multiplier: 1

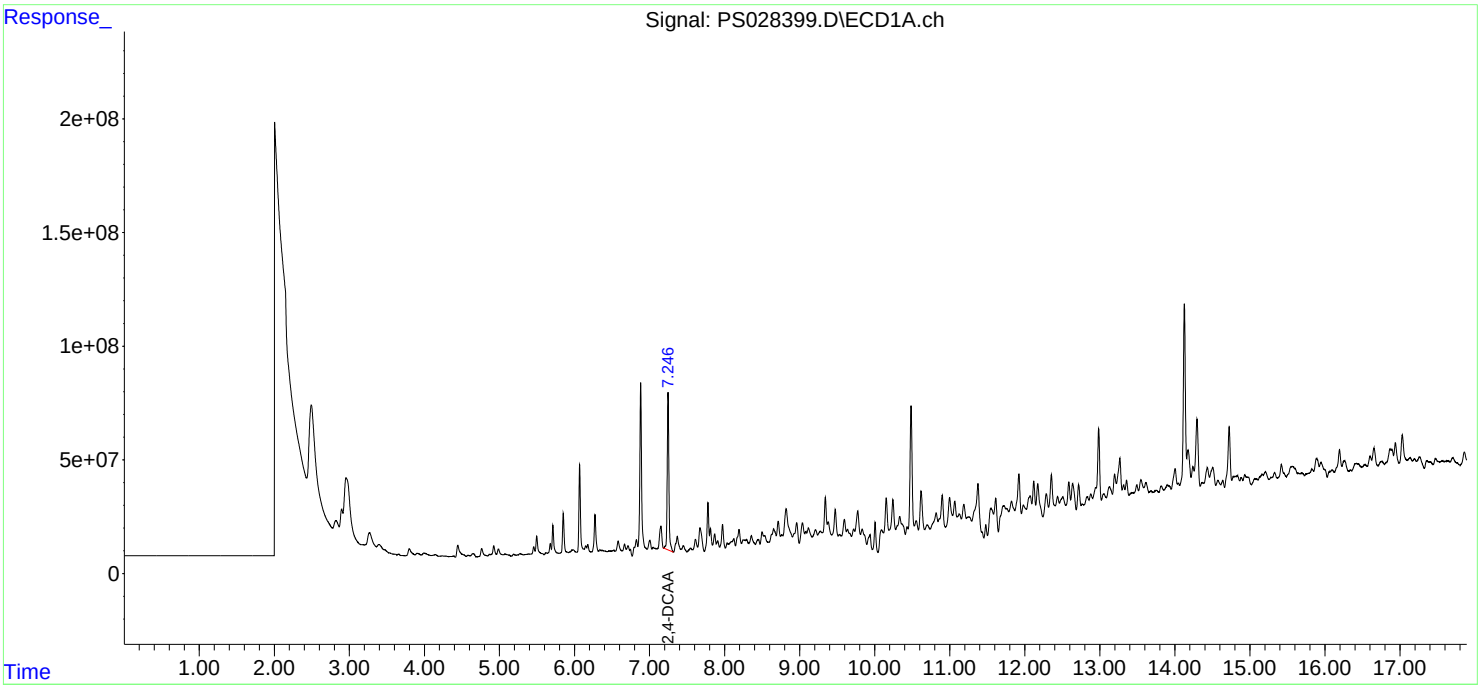
Instrument :
ECD_S
ClientSampleId :
CC0R4

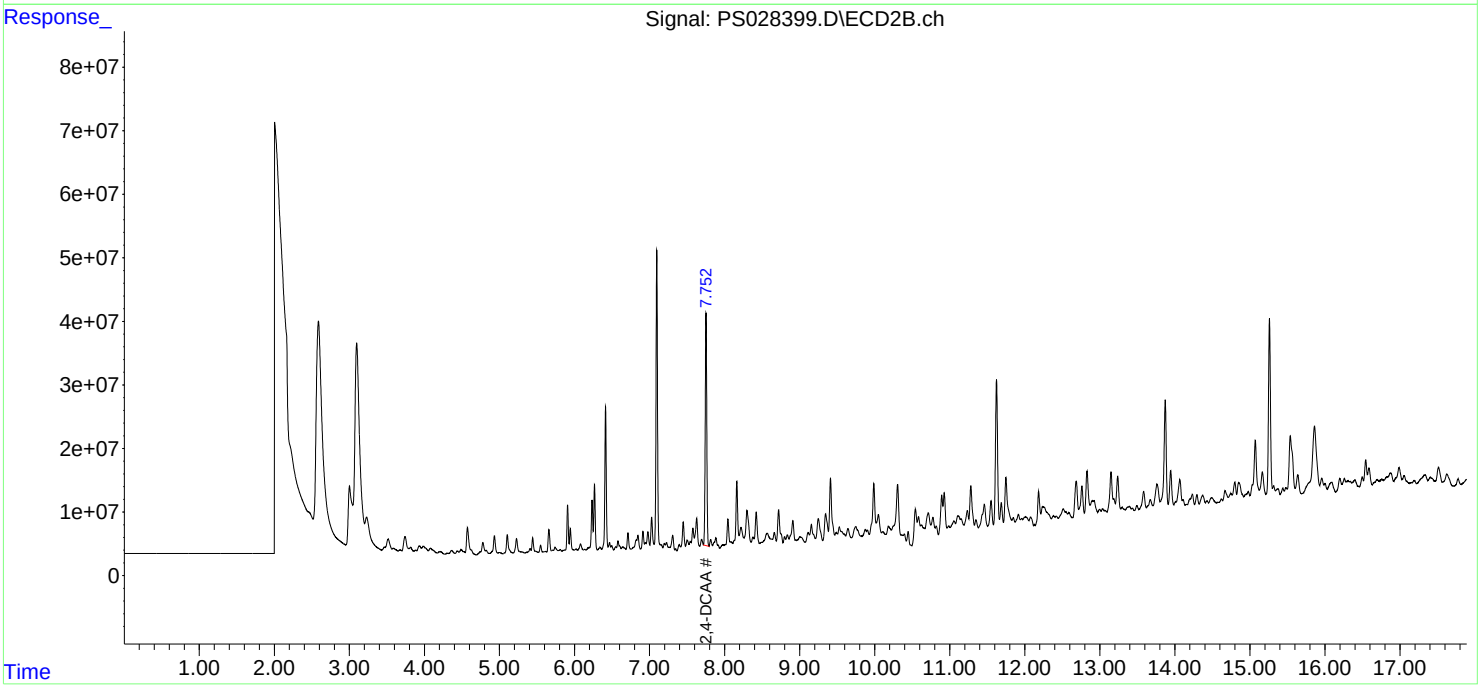
Manual Integrations APPROVED

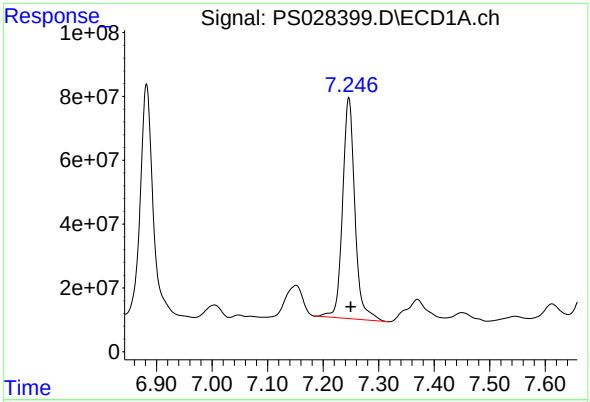
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:13:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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







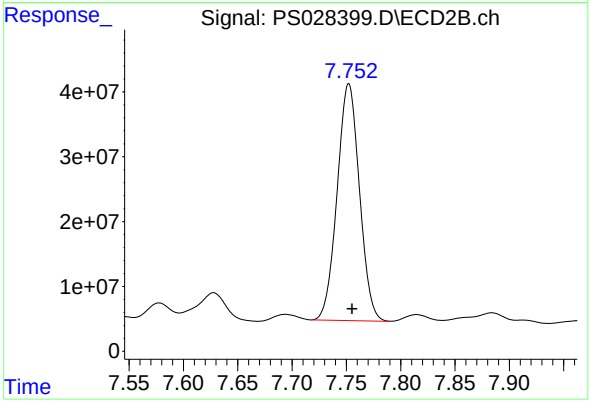
#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.004 min
Response: 1065925278
Conc: 386.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.004 min
Response: 522403173
Conc: 327.85 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R5		SDG No.:	P4601	
Lab Sample ID:	P4601-34		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	95.4	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028400.D	1	10/31/24 10:00	11/11/24 14:08	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	70.0	U	9.10	70.0	ug/Kg
120-36-5	DICHLORPROP	70.0	U	10.0	70.0	ug/Kg
94-75-7	2,4-D	70.0	U	12.6	70.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	70.0	U	9.80	70.0	ug/Kg
93-76-5	2,4,5-T	70.0	U	10.6	70.0	ug/Kg
94-82-6	2,4-DB	70.0	U	19.1	70.0	ug/Kg
88-85-7	DINOSEB	70.0	U	13.0	70.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	423		10 - 141	85%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:08
Operator : AR\AJ
Sample : P4601-34
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:14:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.753	1168.2E6	526.8E6	423.153	330.636m
	Target Compounds						

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

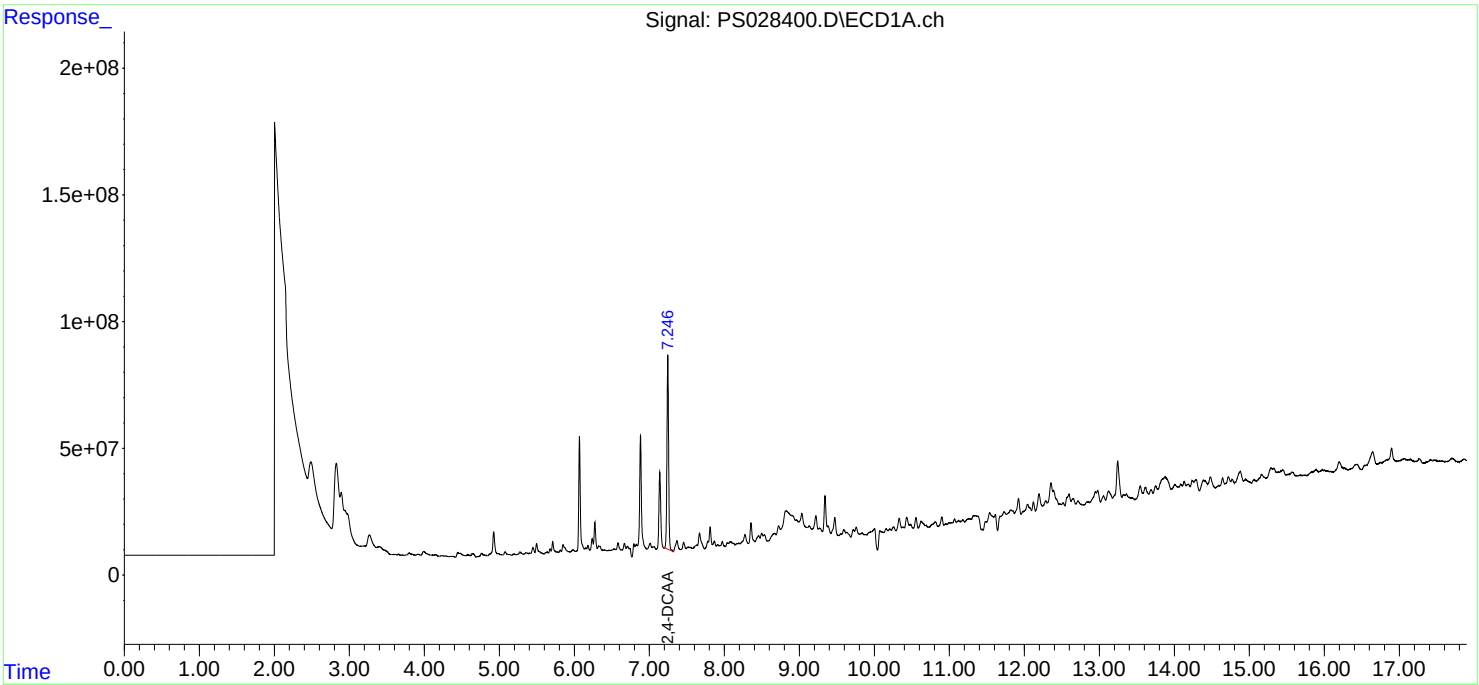
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028400.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:08
Operator : AR\AJ
Sample : P4601-34
Misc :
ALS Vial : 9 Sample Multiplier: 1

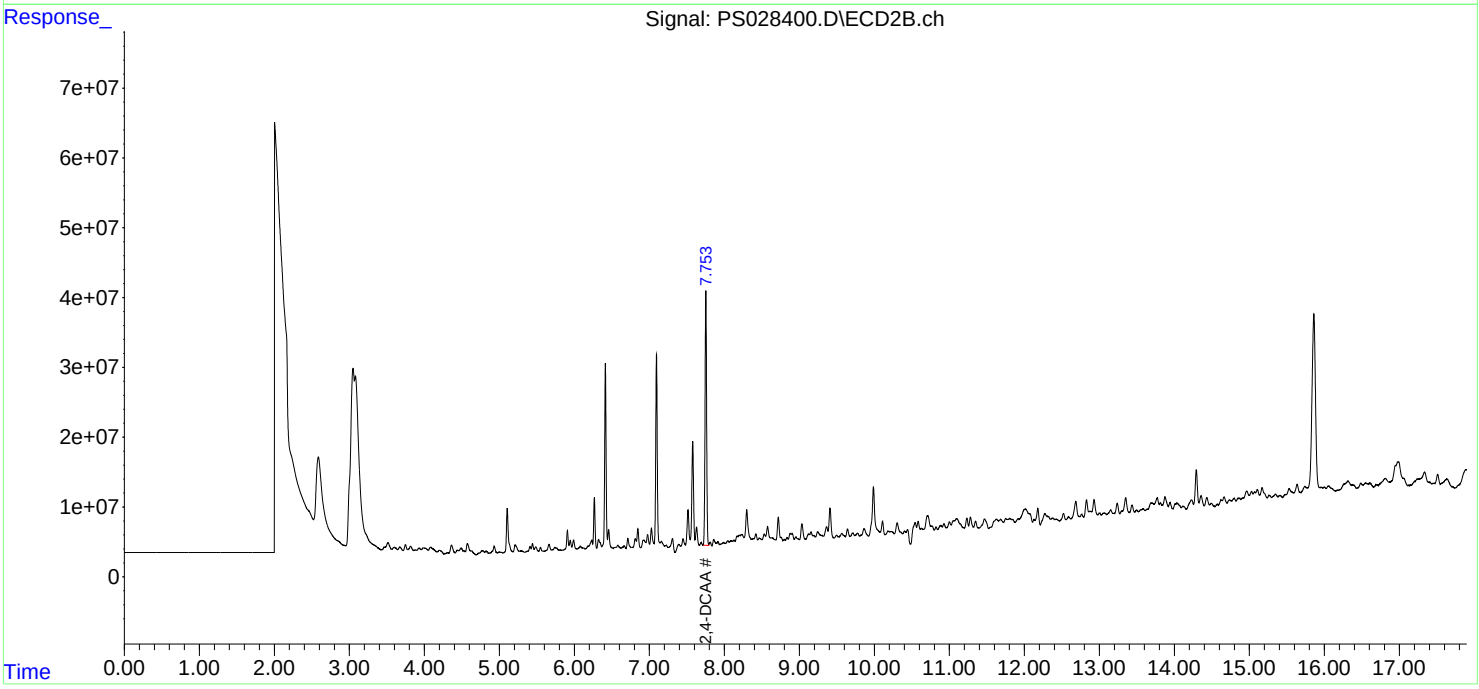
Instrument :
ECD_S
ClientSampleId :
CC0R5

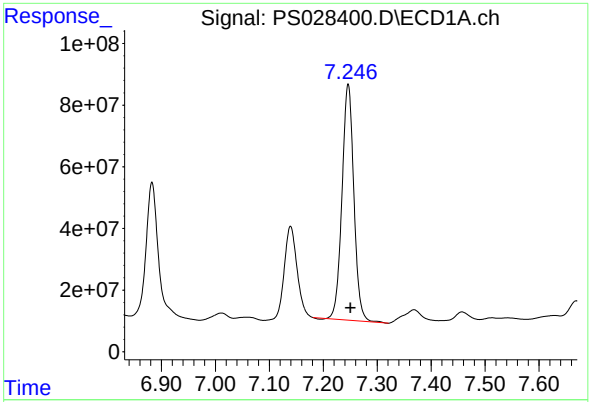
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:14:20 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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 0.25µm







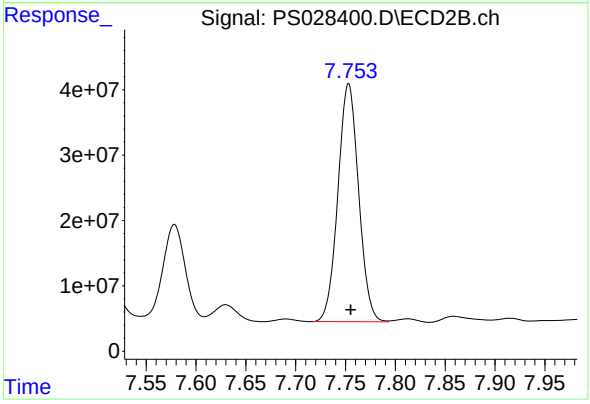
#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.004 min
Response: 1168220469
Conc: 423.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.003 min
Response: 526843307
Conc: 330.64 ng/ml m

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R6		SDG No.:	P4601	
Lab Sample ID:	P4601-35		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	94.1	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028401.D	1	10/31/24 10:00	11/11/24 14:32	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	71.0	U	9.20	71.0	ug/Kg
120-36-5	DICHLORPROP	71.0	U	10.1	71.0	ug/Kg
94-75-7	2,4-D	71.0	U	12.8	71.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	71.0	U	9.90	71.0	ug/Kg
93-76-5	2,4,5-T	71.0	U	10.7	71.0	ug/Kg
94-82-6	2,4-DB	71.0	U	19.4	71.0	ug/Kg
88-85-7	DINOSEB	71.0	U	13.1	71.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	299		10 - 141	60%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:32
Operator : AR\AJ
Sample : P4601-35
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:15:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.245	7.753	825.6E6	349.3E6	299.051m	219.241 #
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028401.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:32
Operator : AR\AJ
Sample : P4601-35
Misc :
ALS Vial : 10 Sample Multiplier: 1

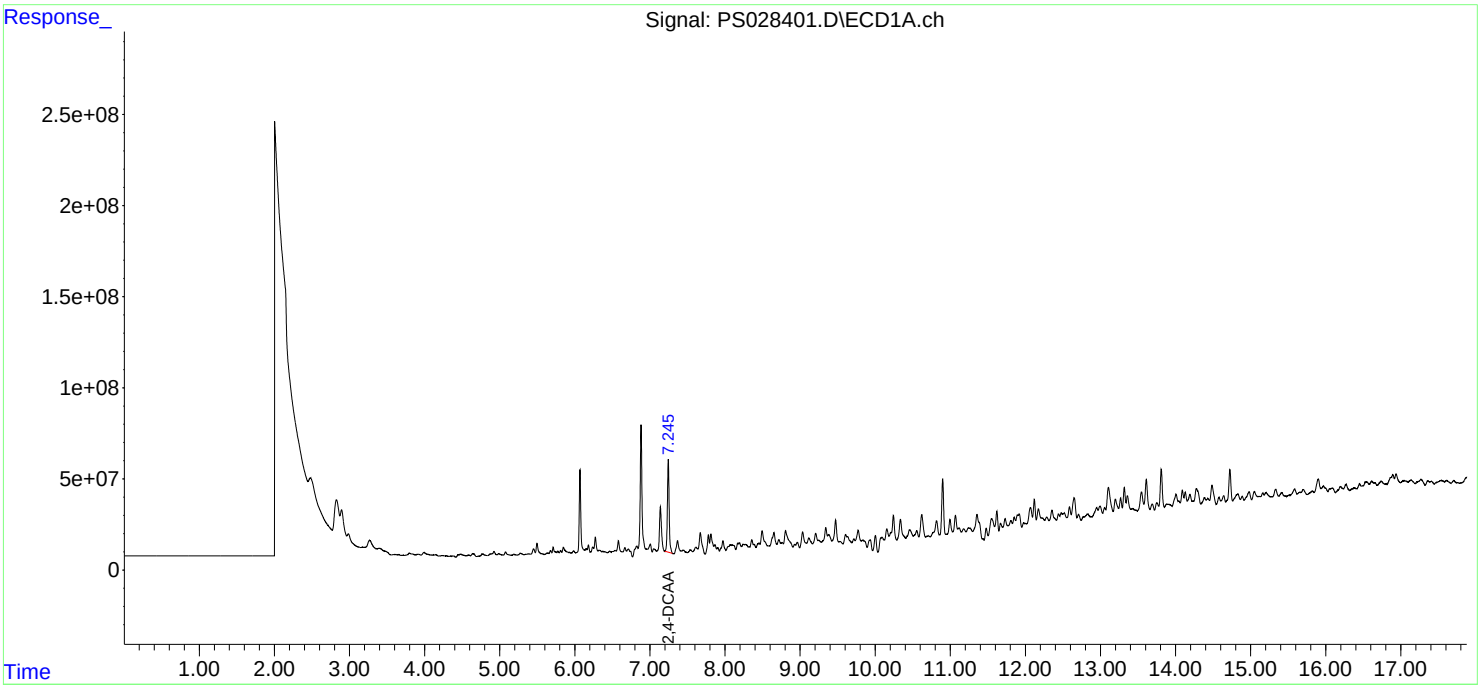
Instrument :
ECD_S
ClientSampleId :
CC0R6

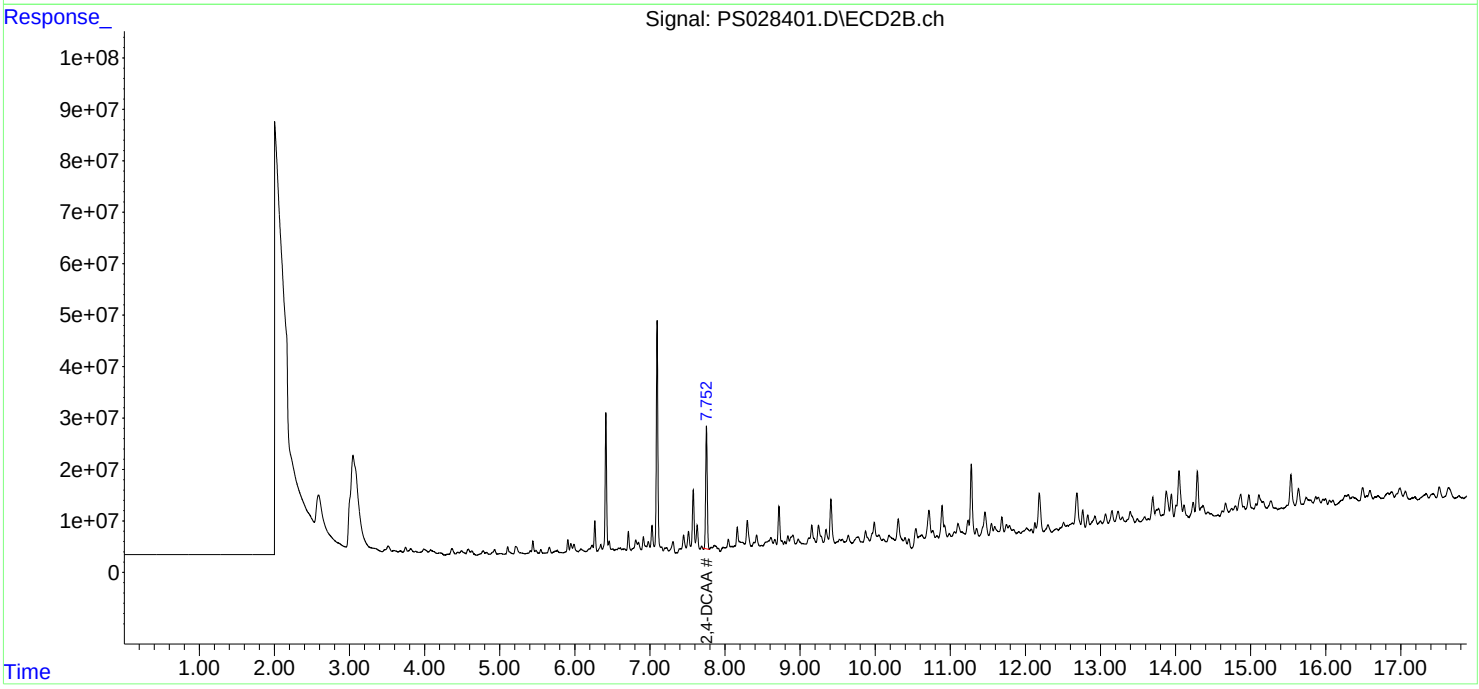
Manual Integrations APPROVED

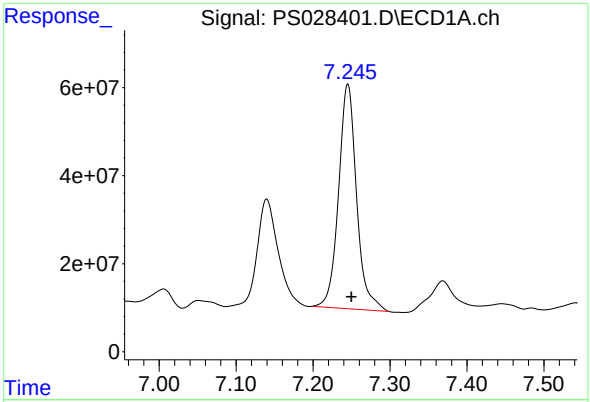
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:15:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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







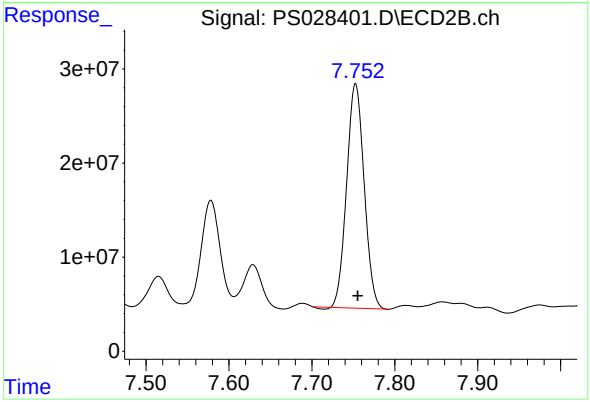
#4 2,4-DCAA

R.T.: 7.245 min
Delta R.T.: -0.005 min
Response: 825605275
Conc: 299.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R6

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.003 min
Response: 349343498
Conc: 219.24 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R7		SDG No.:	P4601	
Lab Sample ID:	P4601-36		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028402.D	1	10/31/24 10:00	11/11/24 14:57	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	82.4	U	10.7	82.4	ug/Kg
120-36-5	DICHLORPROP	82.4	U	11.7	82.4	ug/Kg
94-75-7	2,4-D	82.4	U	14.9	82.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	82.4	U	11.5	82.4	ug/Kg
93-76-5	2,4,5-T	82.4	U	12.4	82.4	ug/Kg
94-82-6	2,4-DB	82.4	U	22.5	82.4	ug/Kg
88-85-7	DINOSEB	82.4	U	15.3	82.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	442		10 - 141	88%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:57
Operator : AR\AJ
Sample : P4601-36
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R7

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:16:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.753	1219.9E6	601.7E6	441.860	377.588m
	Target Compounds						

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

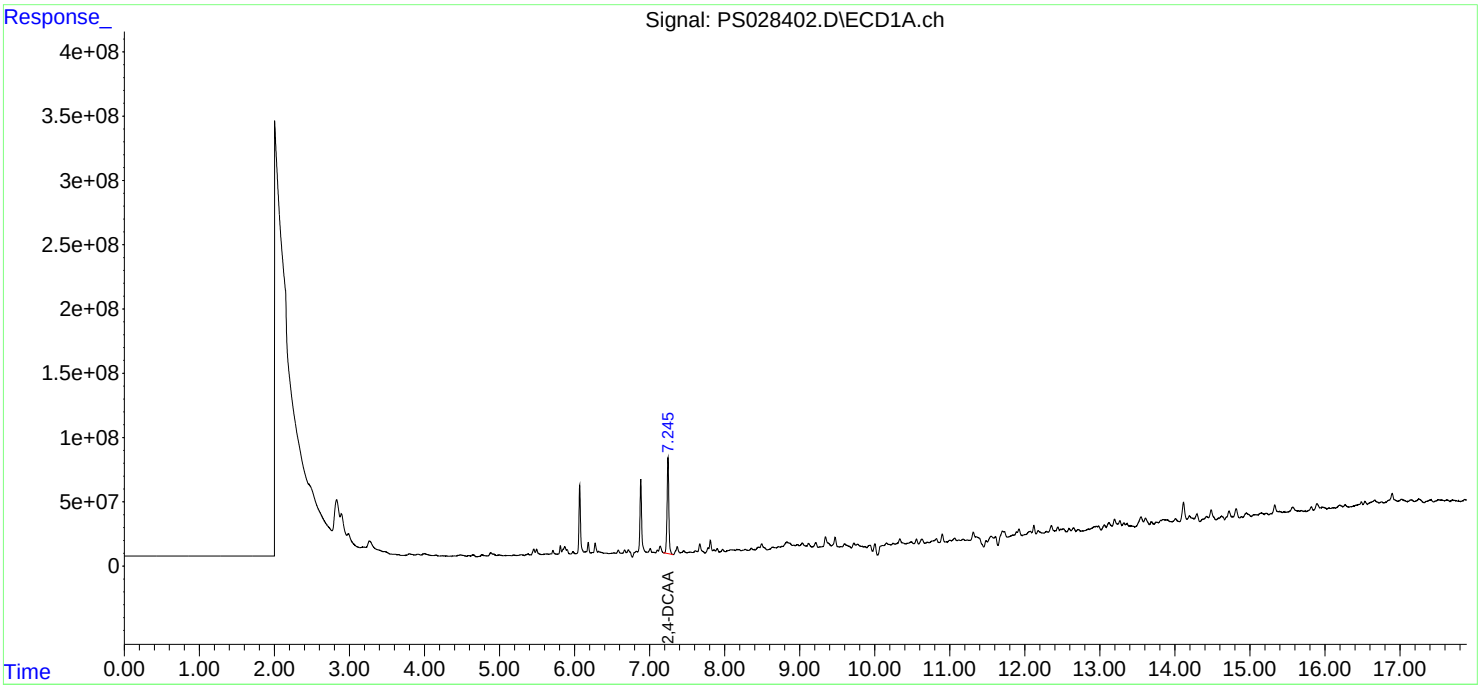
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028402.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 14:57
Operator : AR\AJ
Sample : P4601-36
Misc :
ALS Vial : 11 Sample Multiplier: 1

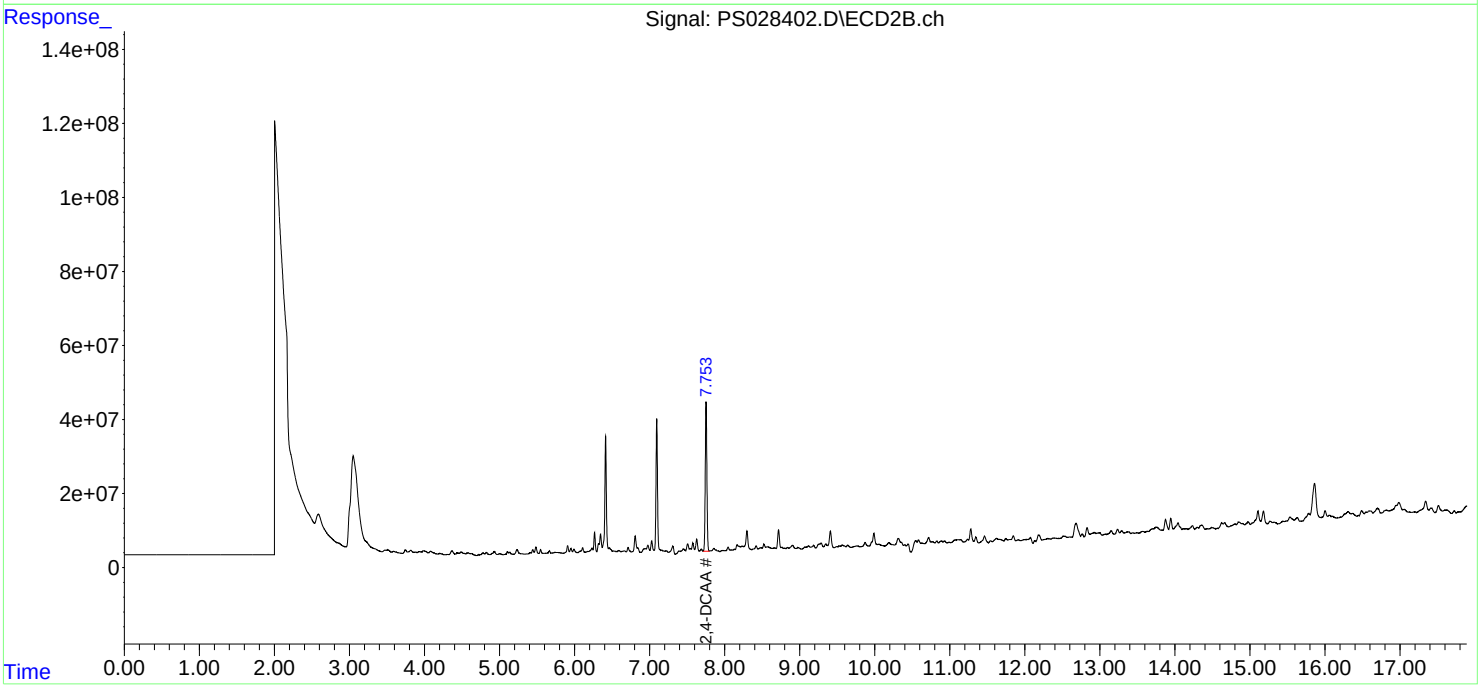
Instrument :
ECD_S
ClientSampleId :
CC0R7

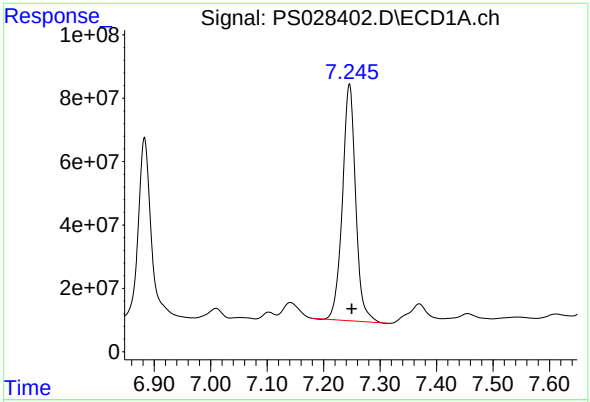
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:16:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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







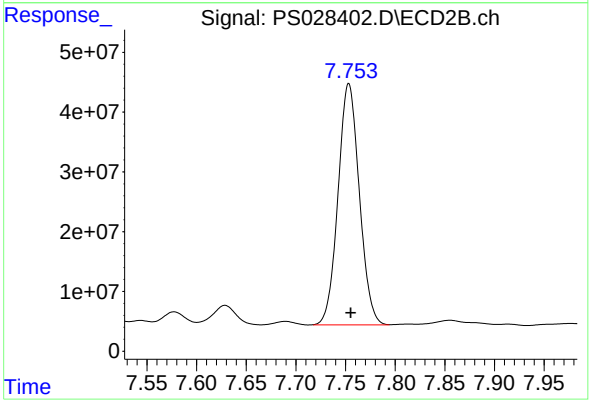
#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.004 min
Response: 1219866600
Conc: 441.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: -0.003 min
Response: 601656367
Conc: 377.59 ng/ml m

CALIBRATION SUMMARY

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

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

LAB FILE ID: RT 200 = PS028253.D RT 500 = PS028254.D

RT 750 = PS028255.D RT 1000 = PS028256.D RT 1500 = PS028257.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.57	9.57	9.57	9.57	9.57	9.57	9.47	9.67
2,4,5-TP(Silvex)	9.28	9.28	9.28	9.28	9.28	9.28	9.18	9.38
2,4-D	8.39	8.39	8.39	8.39	8.39	8.39	8.29	8.49
2,4-DB	10.15	10.15	10.15	10.15	10.15	10.15	10.05	10.25
2,4-DCAA	7.26	7.26	7.26	7.26	7.26	7.26	7.16	7.36
DICAMBA	7.45	7.45	7.45	7.45	7.45	7.45	7.35	7.55
DICHLORPROP	8.16	8.16	8.16	8.16	8.16	8.16	8.06	8.26
Dinoseb	11.36	11.37	11.36	11.37	11.36	11.36	11.26	11.46

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

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

LAB FILE ID: RT 200 = PS028253.D RT 500 = PS028254.D

RT 750 = PS028255.D RT 1000 = PS028256.D RT 1500 = PS028257.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.35	10.34	10.34	10.34	10.34	10.34	10.24	10.44
2,4,5-TP(Silvex)	9.92	9.92	9.92	9.92	9.92	9.92	9.82	10.02
2,4-D	9.02	9.02	9.02	9.02	9.02	9.02	8.92	9.12
2,4-DB	10.91	10.91	10.91	10.91	10.91	10.91	10.81	11.01
2,4-DCAA	7.77	7.77	7.77	7.77	7.77	7.76	7.66	7.86
DICAMBA	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
DICHLORPROP	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Dinoseb	11.29	11.29	11.29	11.29	11.29	11.29	11.19	11.39

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

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

LAB FILE ID: **CF 200 =** PS028253.D **CF 500 =** PS028254.D

CF 750 = PS028255.D **CF 1000 =** PS028256.D **CF 1500 =** PS028257.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	18605000000	17699100000	17397600000	16764700000	16211200000	17335500000	5
2,4,5-TP(Silvex)	18381400000	17393400000	17071400000	16437600000	15844400000	17025600000	6
2,4-D	3499520000	3198390000	3124710000	3013570000	2944350000	3156110000	7
2,4-DB	2953740000	2827030000	2824430000	2764350000	2763120000	2826530000	3
2,4-DCAA	2911600000	2530960000	2546610000	2432090000	2385800000	2561410000	8
DICAMBA	11781800000	11346100000	11291200000	10963200000	10760300000	11228500000	3
DICHLORPROP	3148380000	2853420000	2784160000	2683190000	2627250000	2819280000	7
Dinoseb	15121200000	14574900000	14554700000	14126500000	13917700000	14459000000	3

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/06/2024 11/06/2024

Calibration Times: 09:48 11:24

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

LAB FILE ID: **CF 200 =** PS028253.D **CF 500 =** PS028254.D

CF 750 = PS028255.D **CF 1000 =** PS028256.D **CF 1500 =** PS028257.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	12788400000	12436700000	12406800000	12012600000	11689500000	12266800000	3
2,4,5-TP(Silvex)	12950900000	12612000000	12578800000	12192000000	11879700000	12442700000	3
2,4-D	2348170000	2233230000	2226180000	2175820000	2167290000	2230140000	3
2,4-DB	1594690000	1565870000	1590090000	1575360000	1598480000	1584900000	1
2,4-DCAA	1855960000	1741220000	1731630000	1690270000	1689820000	1741780000	4
DICAMBA	7963390000	8019410000	8155900000	8026840000	7997280000	8032560000	1
DICHLORPROP	2102670000	2006780000	2002310000	1963630000	1970820000	2009240000	3
Dinoseb	8938980000	8771400000	8800740000	8588540000	8508600000	8721650000	2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:48
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:36:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:36:47 2024
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	7.262	7.765	582.3E6	371.2E6	223.512	211.533
	Target Compounds						
1) T	Dalapon	2.653	2.711	642.4E6	562.1E6	181.633	189.953
2) T	3,5-DICHL...	6.429	6.716	776.6E6	497.7E6	203.432	195.199
3) T	4-Nitroph...	7.062	7.291	321.8E6	224.2E6	193.828	194.321
5) T	DICAMBA	7.451	7.966	2215.0E6	1497.1E6	195.228	186.177
6) T	MCPP	7.631	8.064	125.9E6	109.8E6	16.918	18.245
7) T	MCPA	7.780	8.309	187.1E6	163.1E6	18.066	19.509
8) T	DICHLORPROP	8.162	8.684	591.9E6	395.3E6	206.431	195.806
9) T	2,4-D	8.394	9.015	657.9E6	441.5E6	205.017	196.565
10) T	Pentachlo...	8.693	9.547	8878.0E6	5945.0E6	203.188	199.509
11) T	2,4,5-TP ...	9.276	9.923	3492.5E6	2460.7E6	201.633	195.549
12) T	2,4,5-T	9.569	10.345	3534.9E6	2429.8E6	200.660	195.776
13) T	2,4-DB	10.147	10.912	561.2E6	303.0E6	197.443	191.585
14) T	DINOSEB	11.364	11.292	2842.8E6	1680.5E6	194.787	191.515
15) T	Picloram	11.169	12.392	5567.6E6	3307.4E6	190.816	182.953
16) T	DCPA	11.656	12.339	4826.0E6	2771.8E6	200.001	195.462

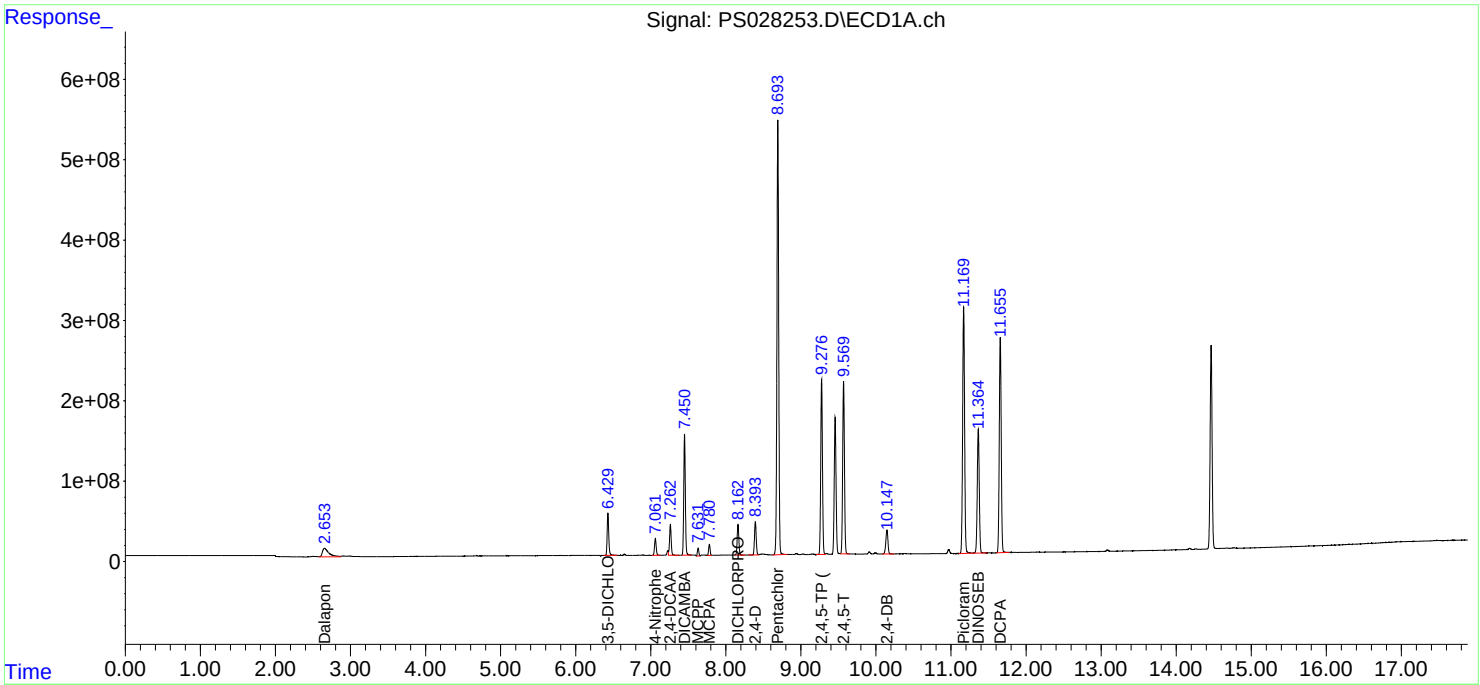
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

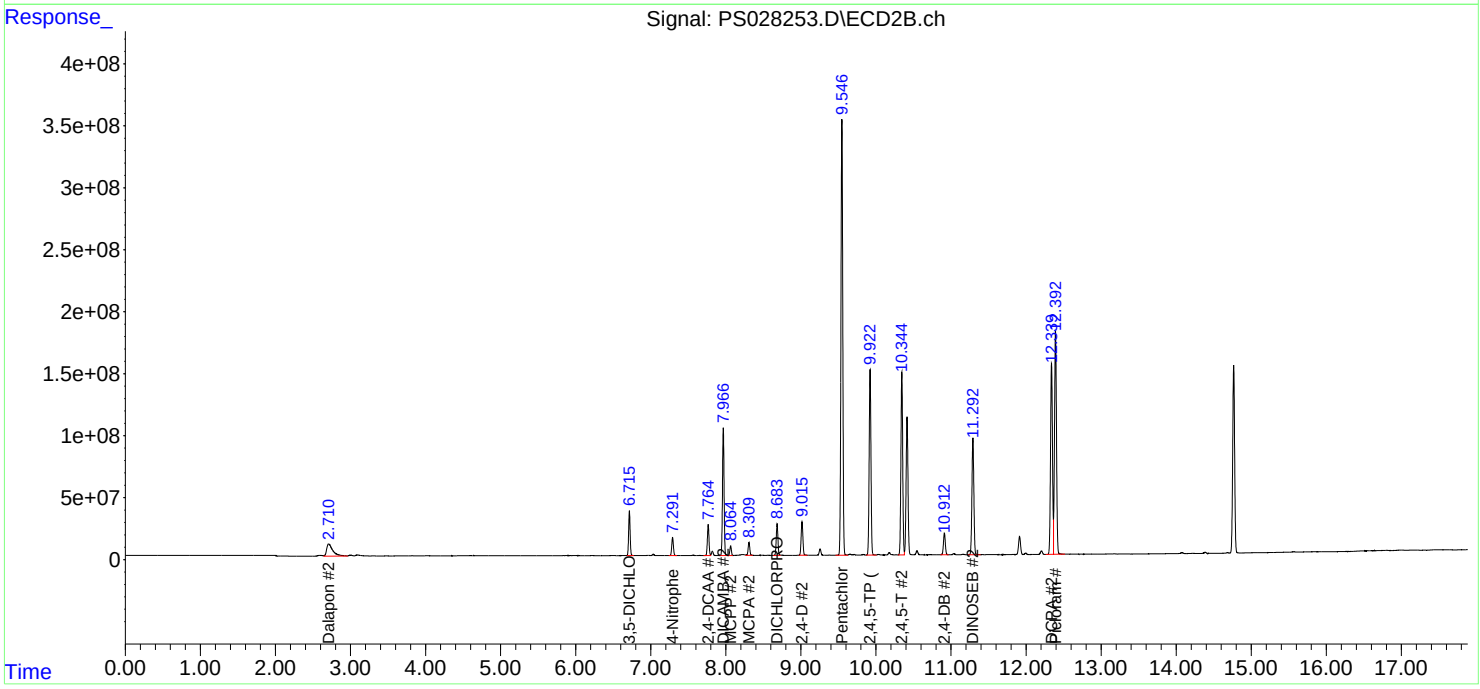
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028253.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:48
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

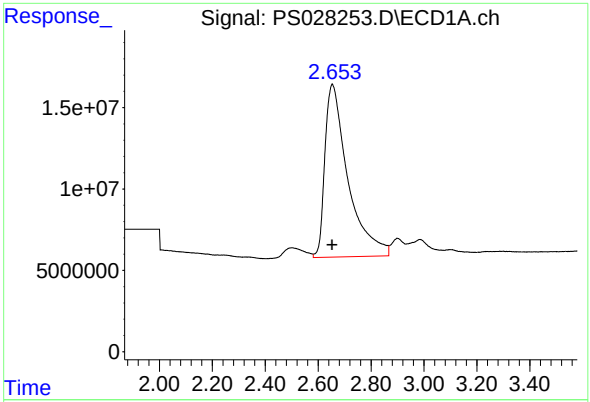
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:36:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:36:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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



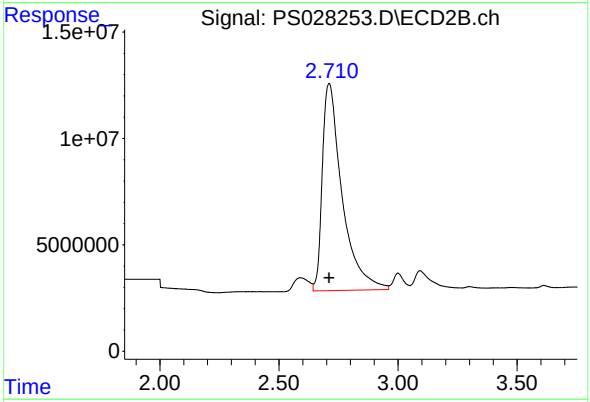




#1 Dalapon

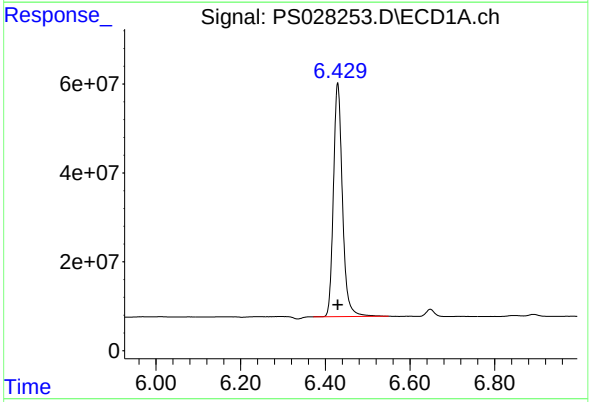
R.T.: 2.653 min
Delta R.T.: 0.000 min
Response: 642355079
Conc: 181.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



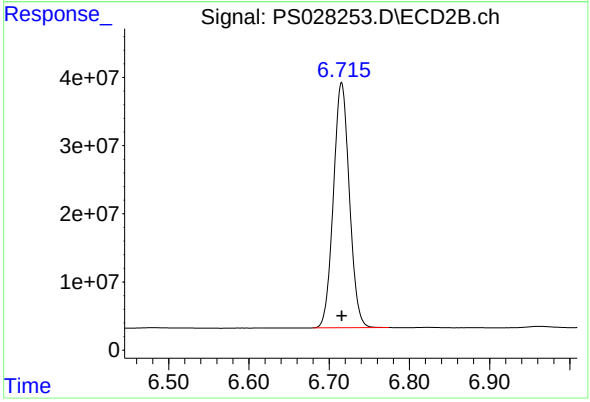
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 562114992
Conc: 189.95 ng/ml



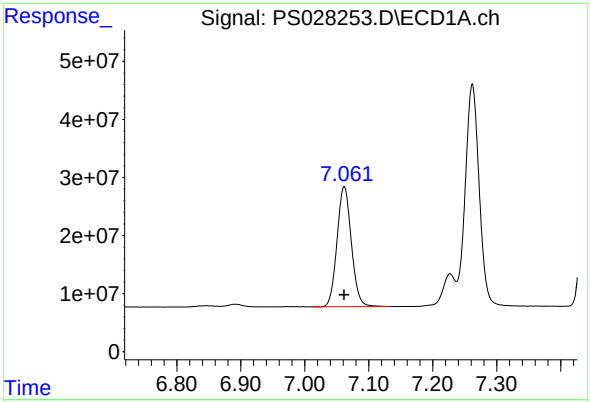
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.429 min
Delta R.T.: 0.000 min
Response: 776591468
Conc: 203.43 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

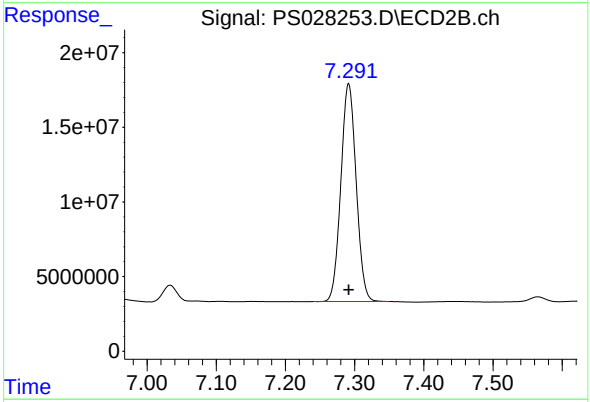
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 497741373
Conc: 195.20 ng/ml



#3 4-Nitrophenol

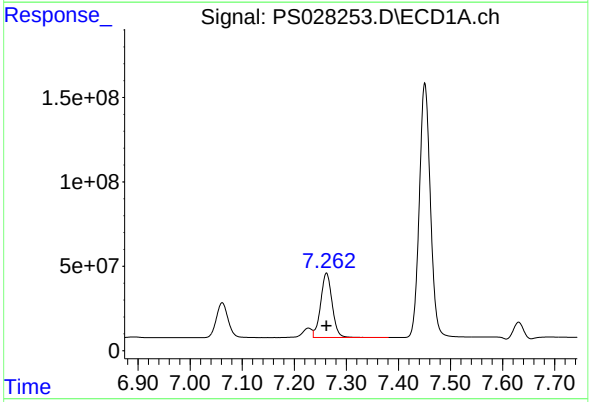
R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 321799911
Conc: 193.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



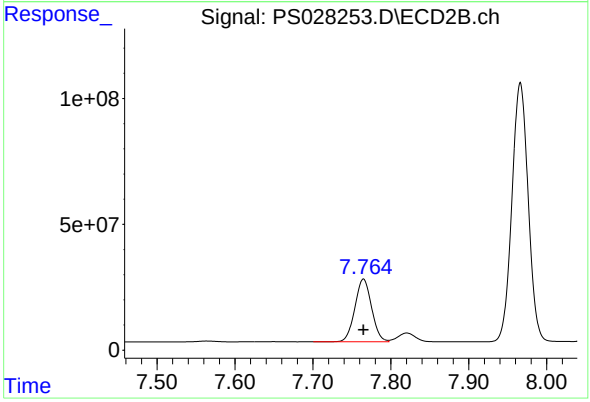
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 224189111
Conc: 194.32 ng/ml



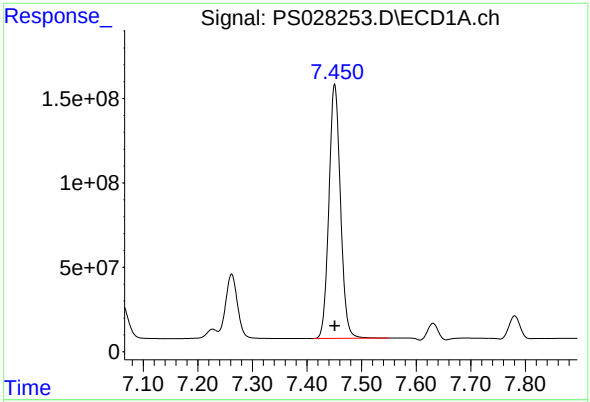
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 582320101
Conc: 223.51 ng/ml



#4 2,4-DCAA

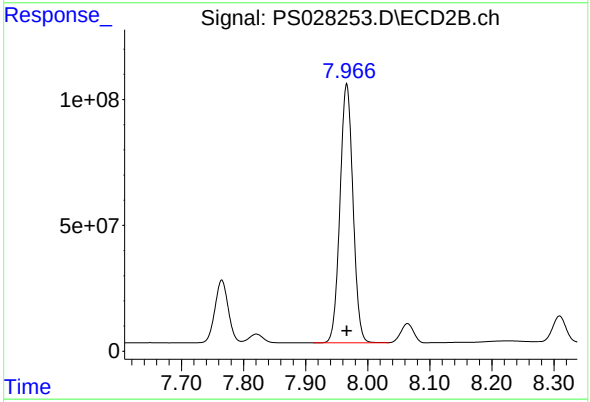
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 371191822
Conc: 211.53 ng/ml



#5 DICAMBA

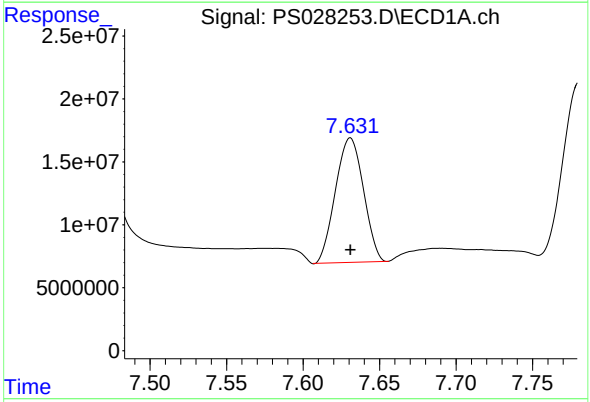
R.T.: 7.451 min
Delta R.T.: 0.000 min
Response: 2214982590
Conc: 195.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



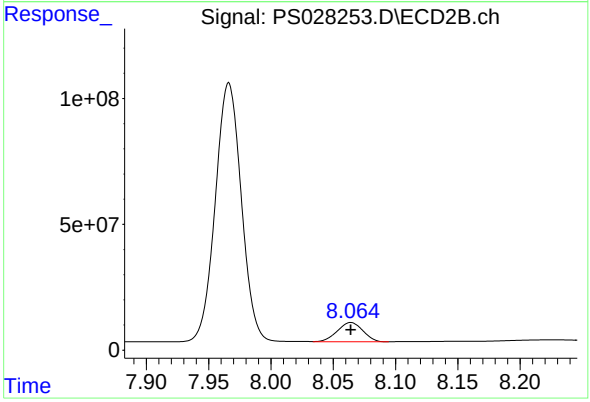
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: 0.000 min
Response: 1497117095
Conc: 186.18 ng/ml



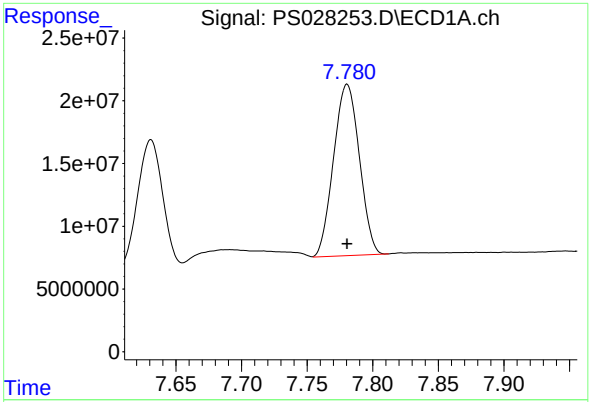
#6 MCPP

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 125946998
Conc: 16.92 ug/ml



#6 MCPP

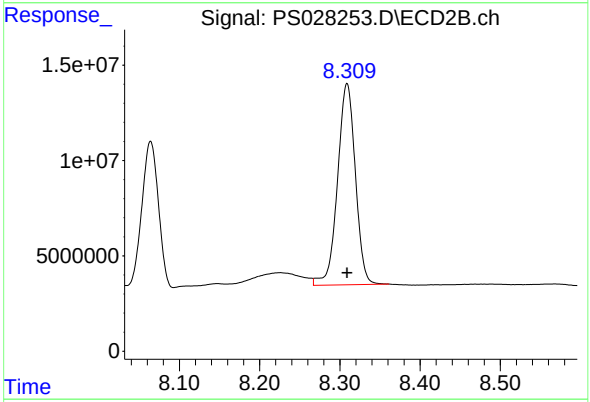
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 109825902
Conc: 18.24 ug/ml



#7 MCPA

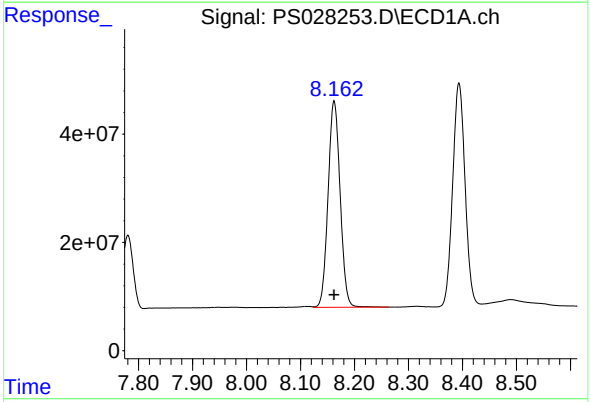
R.T.: 7.780 min
Delta R.T.: 0.000 min
Response: 187056081
Conc: 18.07 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



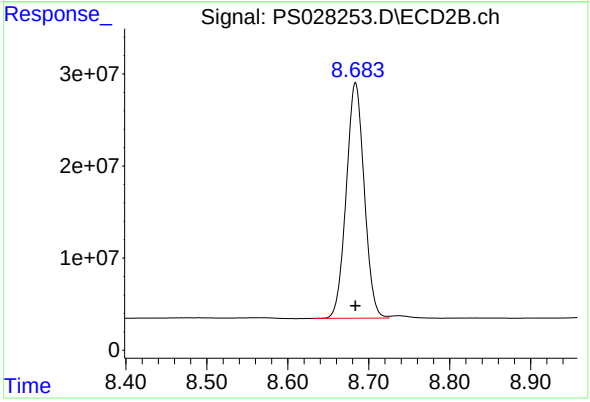
#7 MCPA

R.T.: 8.309 min
Delta R.T.: 0.000 min
Response: 163086934
Conc: 19.51 ug/ml



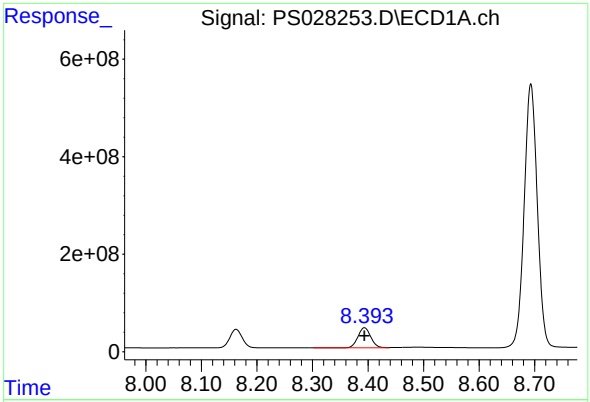
#8 DICHLORPROP

R.T.: 8.162 min
Delta R.T.: 0.000 min
Response: 591896274
Conc: 206.43 ng/ml



#8 DICHLORPROP

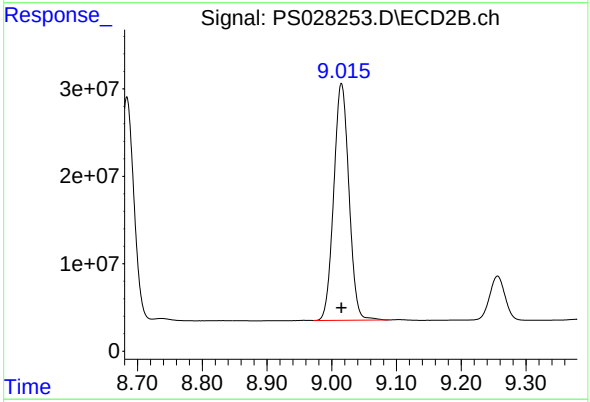
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 395301941
Conc: 195.81 ng/ml



#9 2,4-D

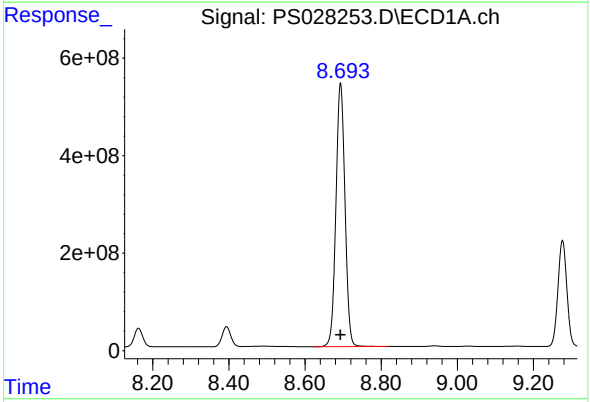
R.T.: 8.394 min
Delta R.T.: 0.000 min
Response: 657909754
Conc: 205.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



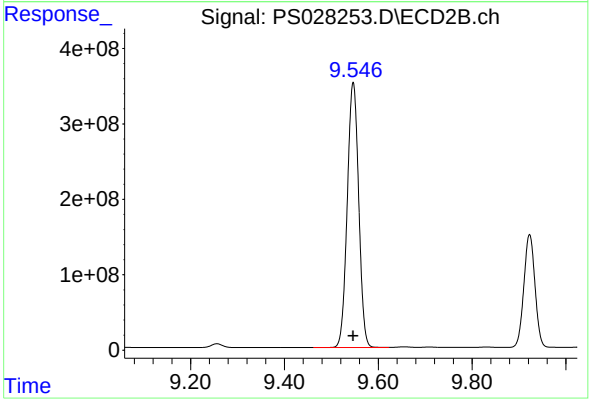
#9 2,4-D

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 441456361
Conc: 196.57 ng/ml



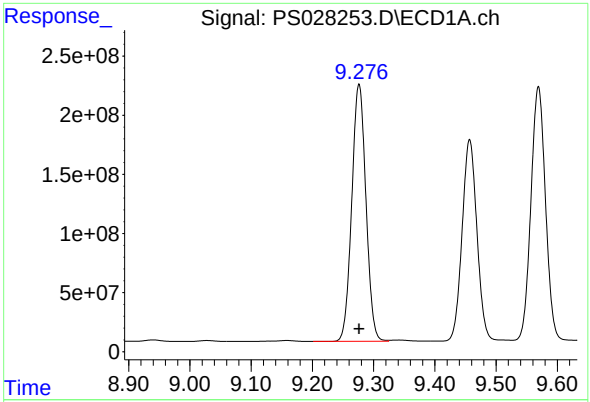
#10 Pentachlorophenol

R.T.: 8.693 min
Delta R.T.: 0.000 min
Response: 8877976889
Conc: 203.19 ng/ml



#10 Pentachlorophenol

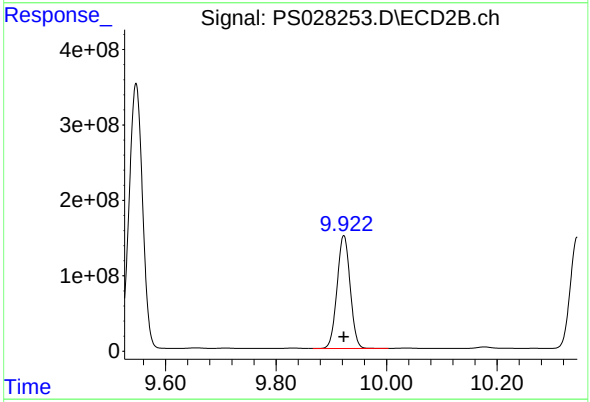
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 5945020071
Conc: 199.51 ng/ml



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

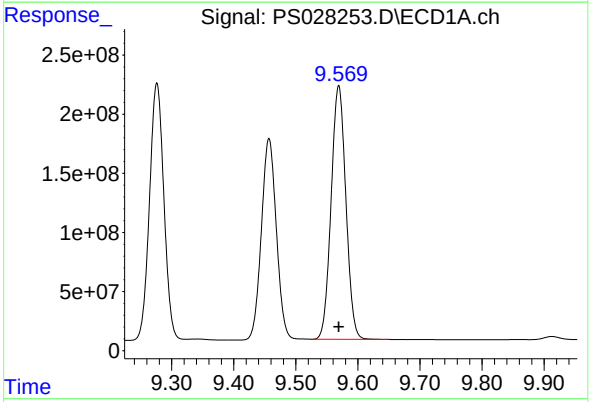
R.T.: 9.276 min
Delta R.T.: 0.000 min
Response: 3492467343
Conc: 201.63 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



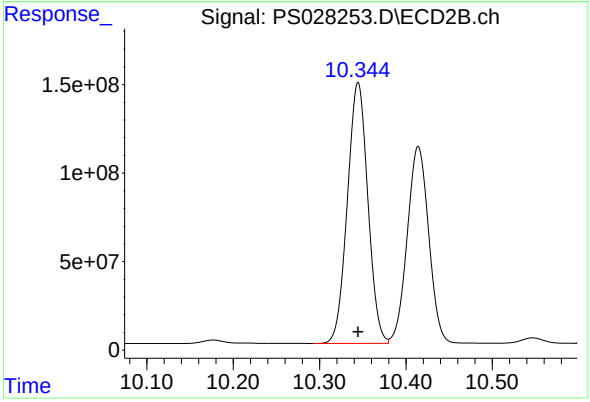
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 2460679717
Conc: 195.55 ng/ml



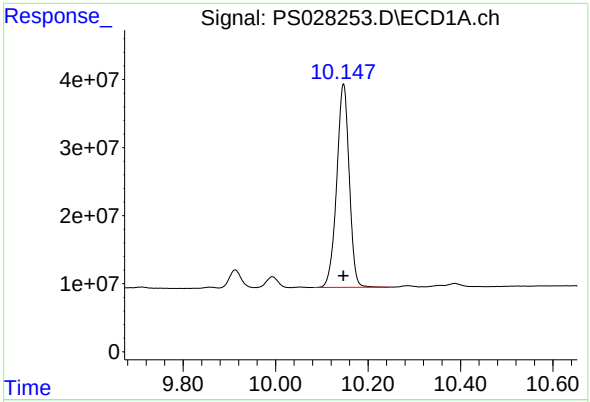
#12 2,4,5-T

R.T.: 9.569 min
Delta R.T.: 0.000 min
Response: 3534947725
Conc: 200.66 ng/ml



#12 2,4,5-T

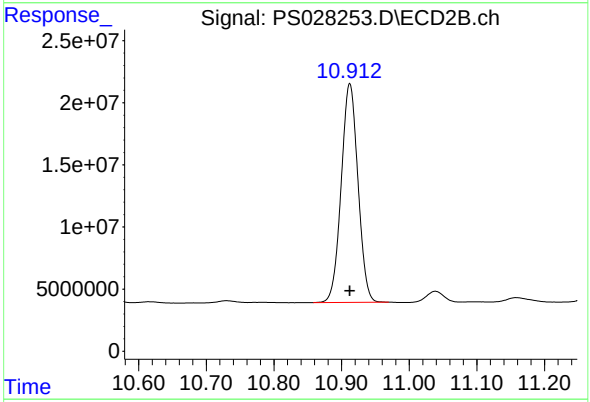
R.T.: 10.345 min
Delta R.T.: 0.000 min
Response: 2429791973
Conc: 195.78 ng/ml



#13 2,4-DB

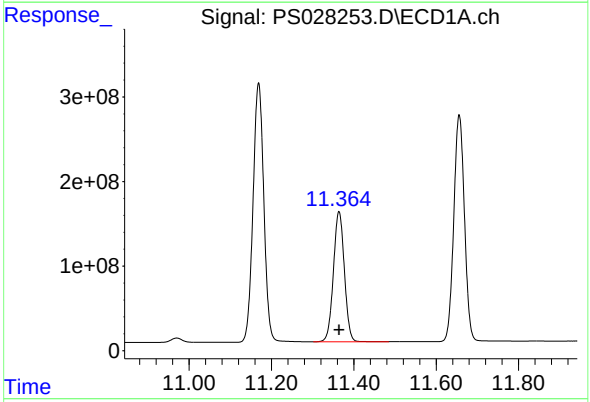
R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 561209882
Conc: 197.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



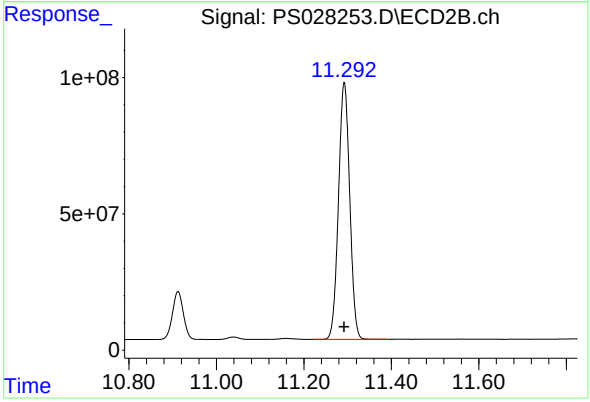
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 302991891
Conc: 191.58 ng/ml



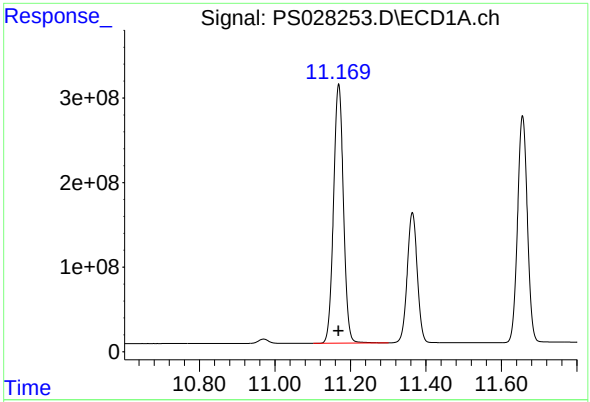
#14 DINOSEB

R.T.: 11.364 min
Delta R.T.: 0.000 min
Response: 2842779862
Conc: 194.79 ng/ml



#14 DINOSEB

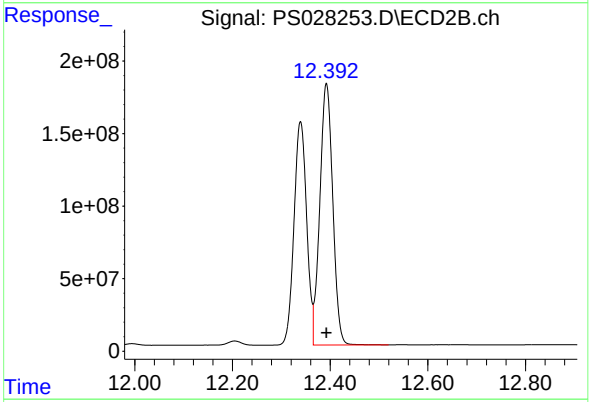
R.T.: 11.292 min
Delta R.T.: 0.000 min
Response: 1680529004
Conc: 191.52 ng/ml



#15 Picloram

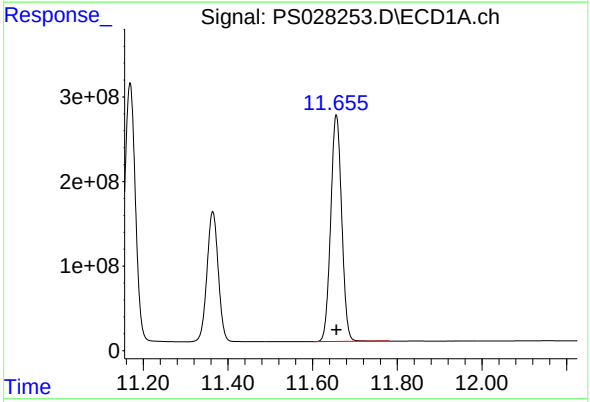
R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 5567638798
Conc: 190.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



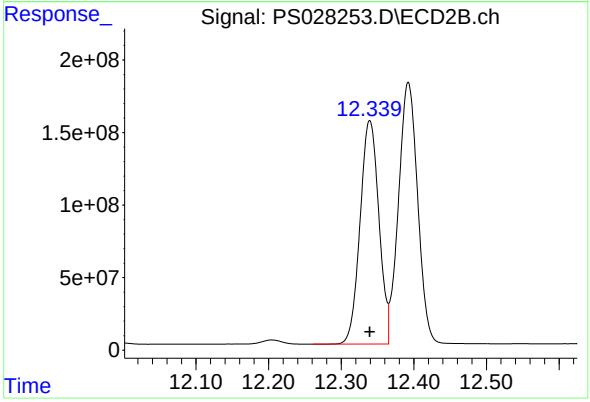
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.000 min
Response: 3307364314
Conc: 182.95 ng/ml



#16 DCPA

R.T.: 11.656 min
Delta R.T.: 0.000 min
Response: 4826032560
Conc: 200.00 ng/ml



#16 DCPA

R.T.: 12.339 min
Delta R.T.: 0.000 min
Response: 2771776460
Conc: 195.46 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:12
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:33:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:33:01 2024
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	7.262	7.765	1265.5E6	870.6E6	492.828m	501.380
	Target Compounds						
1) T	Dalapon	2.654	2.710	1576.6E6	1334.9E6	449.078	454.559
2) T	3,5-DICHL...	6.431	6.716	1771.1E6	1178.0E6	470.764	465.677
3) T	4-Nitroph...	7.062	7.291	748.3E6	518.6E6	456.609	456.042
5) T	DICAMBA	7.452	7.967	5332.7E6	3769.1E6	471.139	466.034
6) T	MCPP	7.634	8.067	349.6E6	280.7E6	45.882	46.335
7) T	MCPA	7.784	8.312	480.5E6	382.5E6	45.988	46.343
8) T	DICHLORPROP	8.163	8.684	1341.1E6	943.2E6	475.774	470.524
9) T	2,4-D	8.394	9.016	1503.2E6	1049.6E6	475.477	470.744
10) T	Pentachlo...	8.694	9.546	21029.5E6	14322.7E6	481.316	479.818
11) T	2,4,5-TP ...	9.277	9.923	8261.8E6	5990.7E6	479.437	475.627
12) T	2,4,5-T	9.570	10.344	8407.1E6	5907.4E6	479.082	475.572
13) T	2,4-DB	10.147	10.912	1342.8E6	743.8E6	475.218	471.354
14) T	DINOSEB	11.365	11.293	6850.2E6	4122.6E6	470.326	469.215
15) T	Picloram	11.169	12.393	13862.1E6	8612.2E6	472.396	469.122
16) T	DCPA	11.657	12.339	11638.0E6	6852.1E6	482.282	480.529

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028254.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:12
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

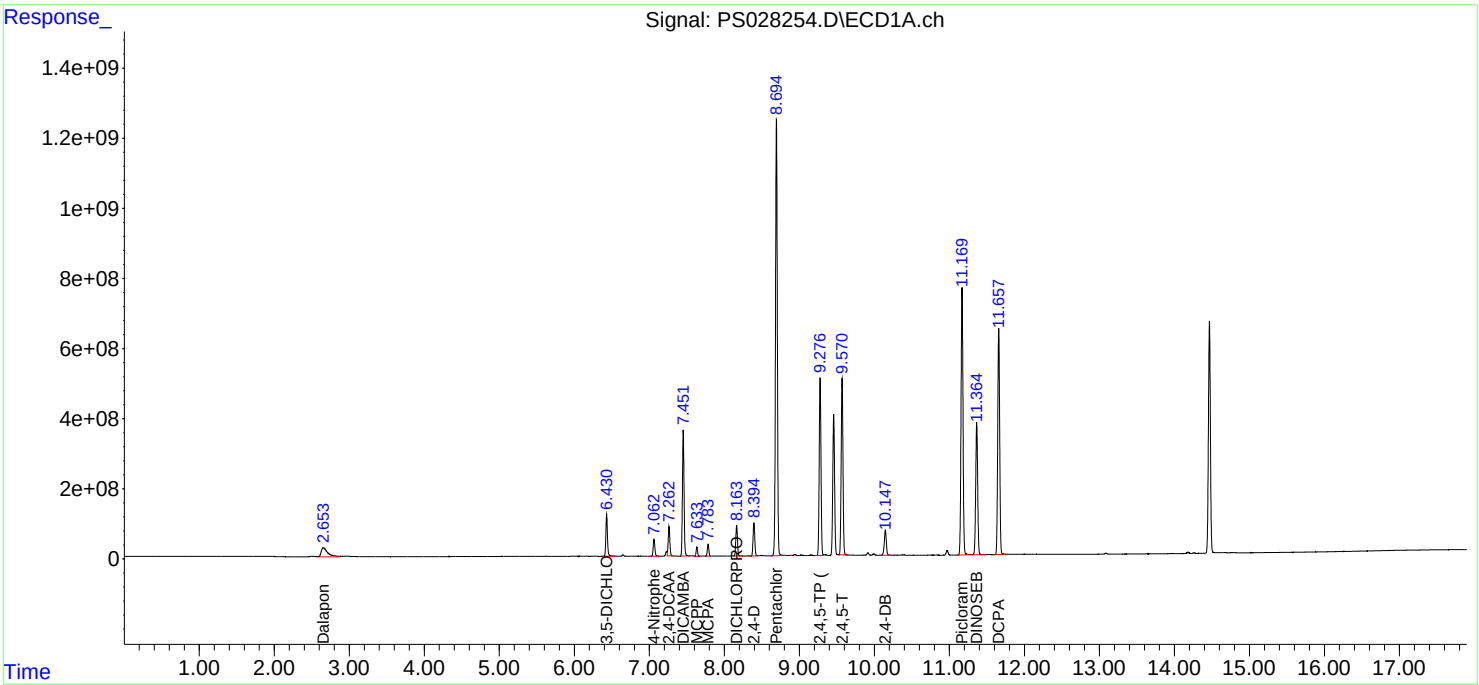
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

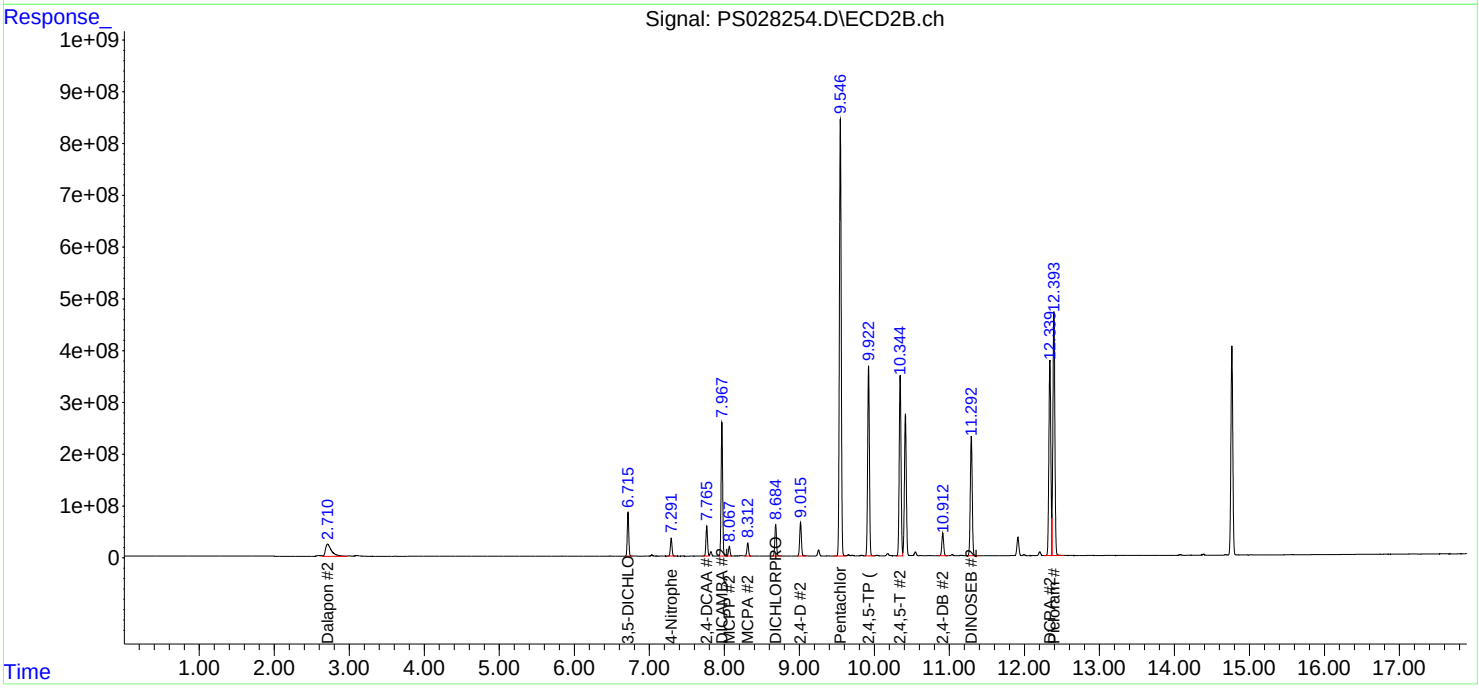
Manual Integrations APPROVED

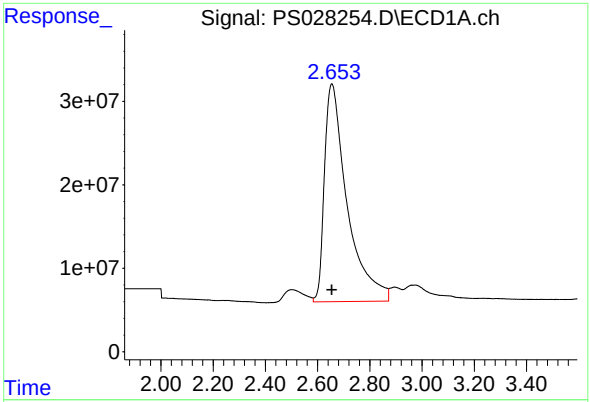
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:33:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:33:01 2024
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 0.25µm







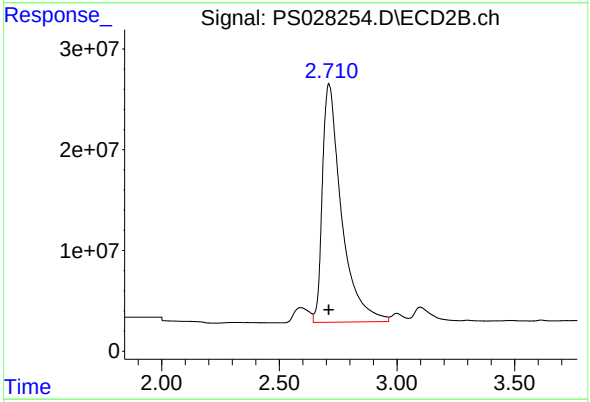
#1 Dalapon

R.T.: 2.654 min
Delta R.T.: 0.000 min
Response: 1576612145
Conc: 449.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

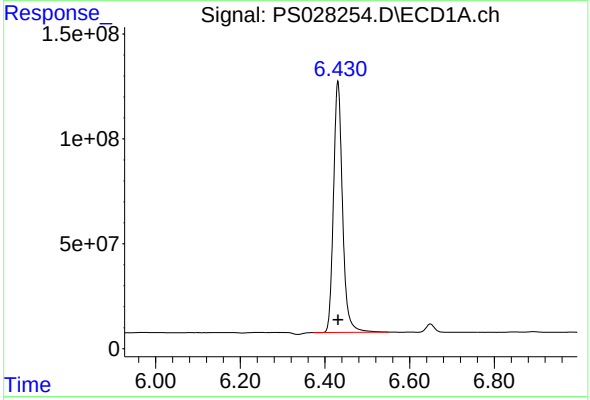
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



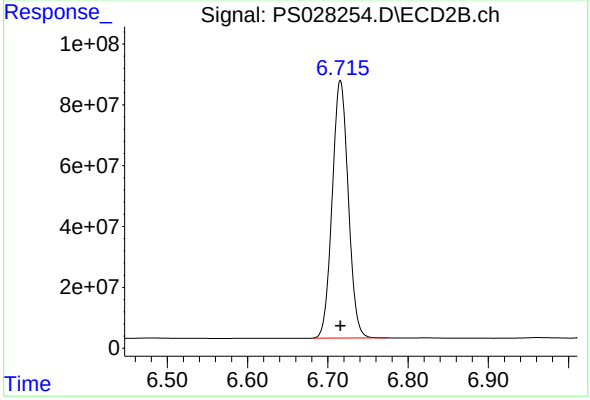
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 1334908950
Conc: 454.56 ng/ml



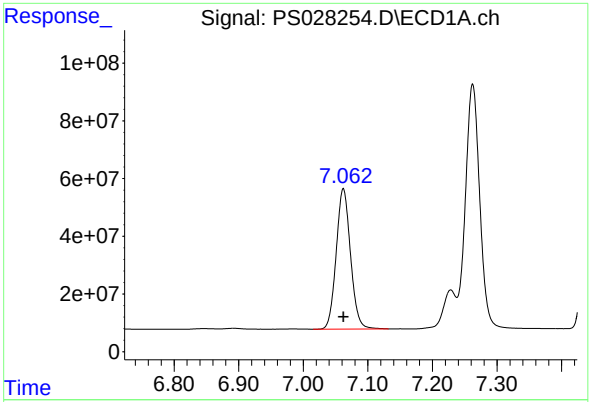
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.431 min
Delta R.T.: 0.000 min
Response: 1771119667
Conc: 470.76 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 1177952360
Conc: 465.68 ng/ml



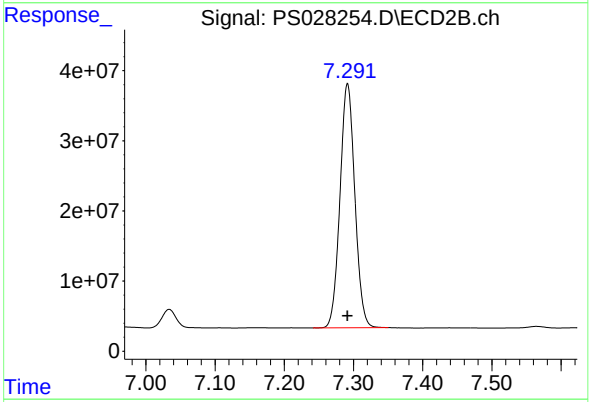
#3 4-Nitrophenol

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 748328913
Conc: 456.61 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

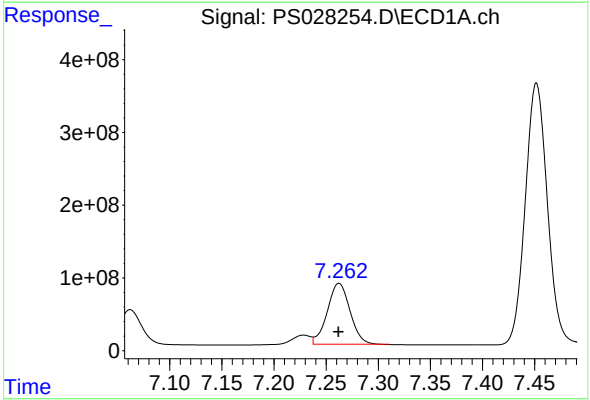
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



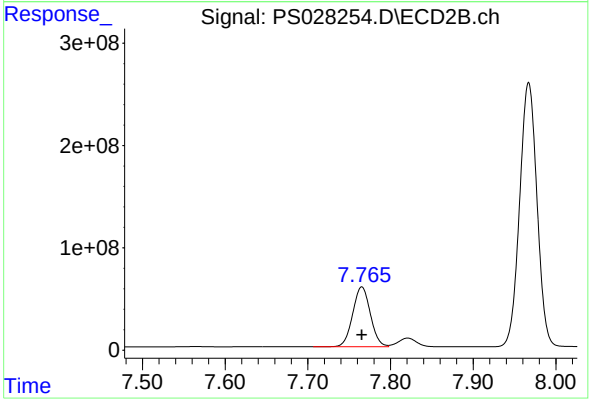
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 518627832
Conc: 456.04 ng/ml



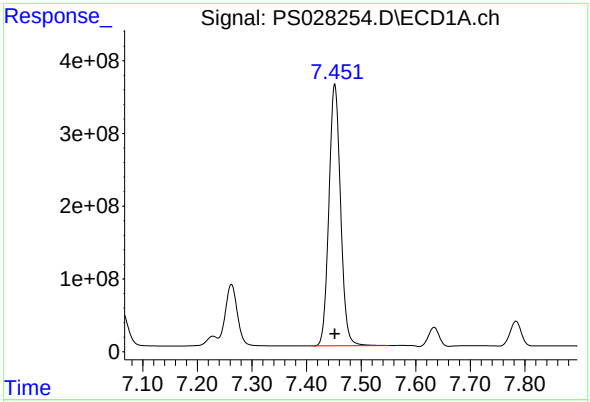
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1265480600
Conc: 492.83 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 870608257
Conc: 501.38 ng/ml



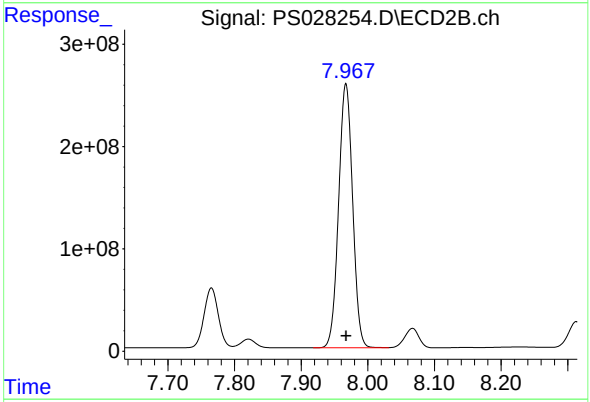
#5 DICAMBA

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 5332661830
Conc: 471.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

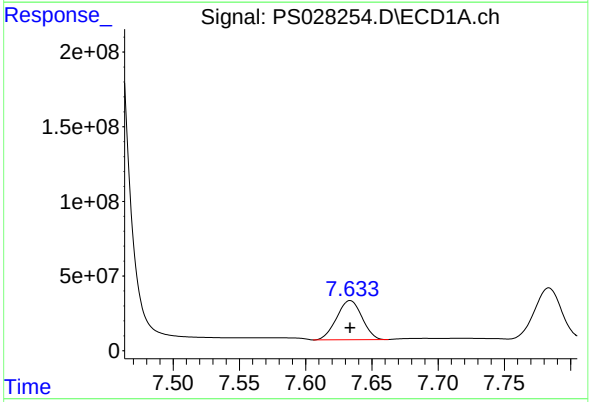
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



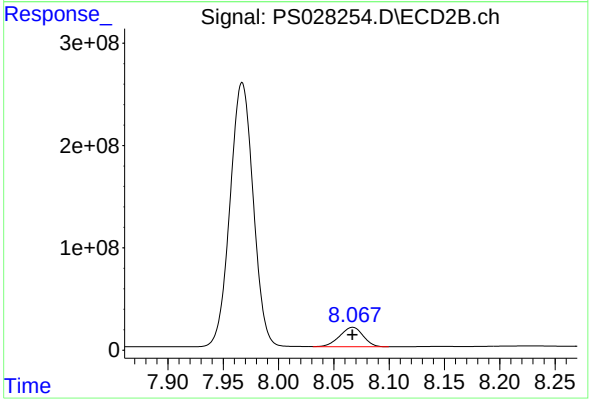
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 3769124451
Conc: 466.03 ng/ml



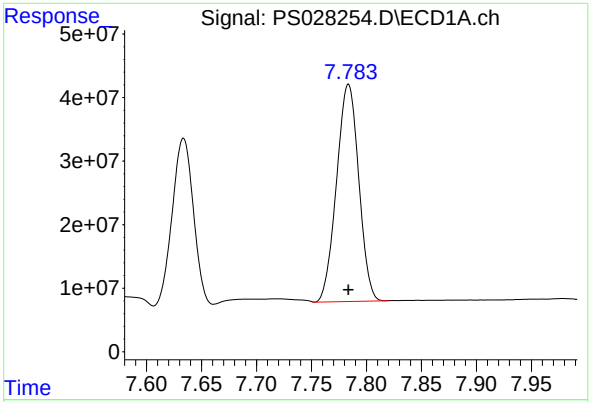
#6 MCPP

R.T.: 7.634 min
Delta R.T.: 0.000 min
Response: 349556539
Conc: 45.88 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 280696221
Conc: 46.33 ug/ml



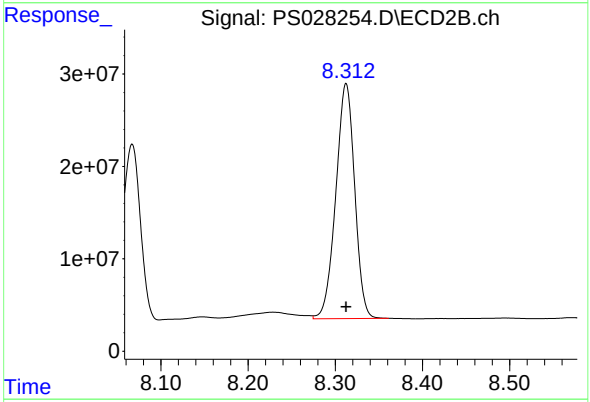
#7 MCPA

R.T.: 7.784 min
Delta R.T.: 0.000 min
Response: 480539376
Conc: 45.99 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

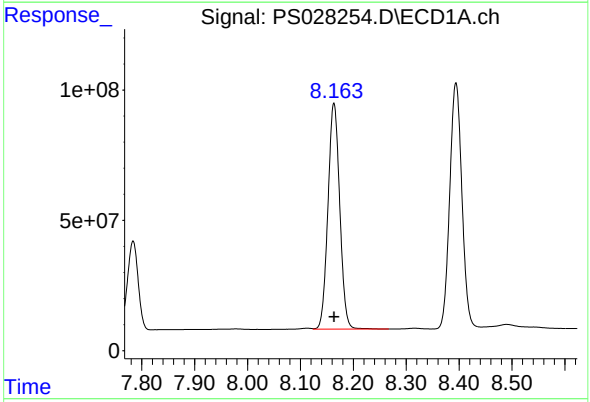
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



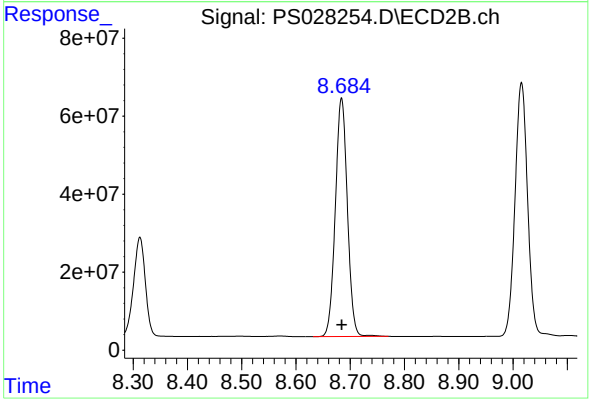
#7 MCPA

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 382498869
Conc: 46.34 ug/ml



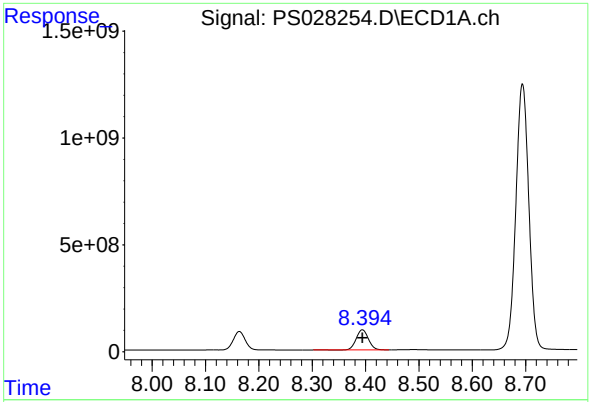
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: 0.000 min
Response: 1341105308
Conc: 475.77 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 943187040
Conc: 470.52 ng/ml



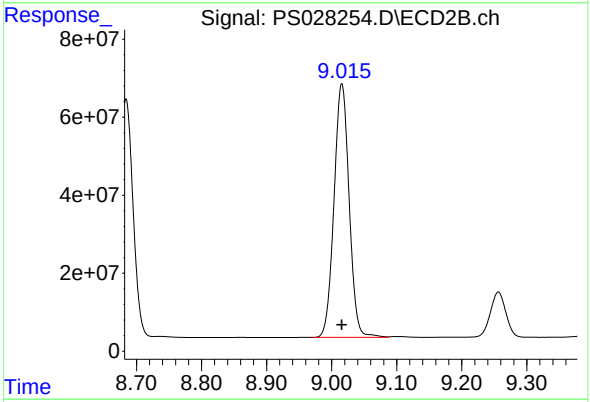
#9 2,4-D

R.T.: 8.394 min
Delta R.T.: 0.000 min
Response: 1503244269
Conc: 475.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

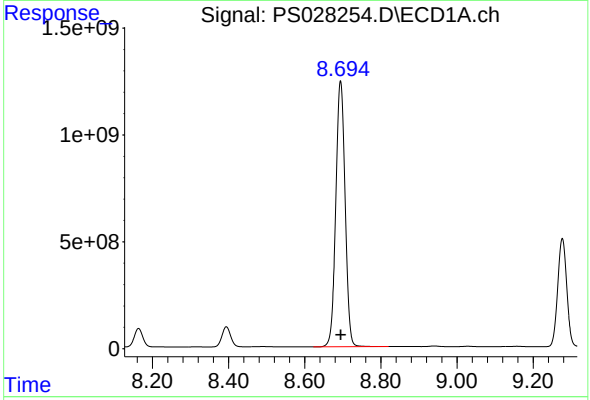
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



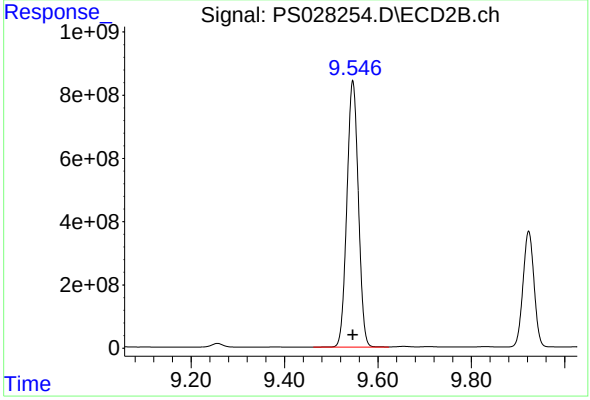
#9 2,4-D

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 1049620163
Conc: 470.74 ng/ml



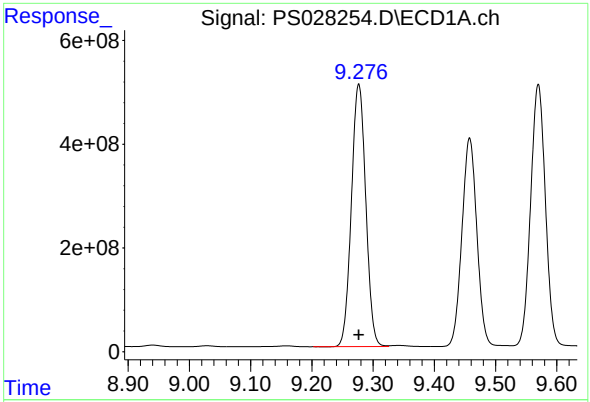
#10 Pentachlorophenol

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 21029542330
Conc: 481.32 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min
Delta R.T.: 0.000 min
Response: 14322670005
Conc: 479.82 ng/ml



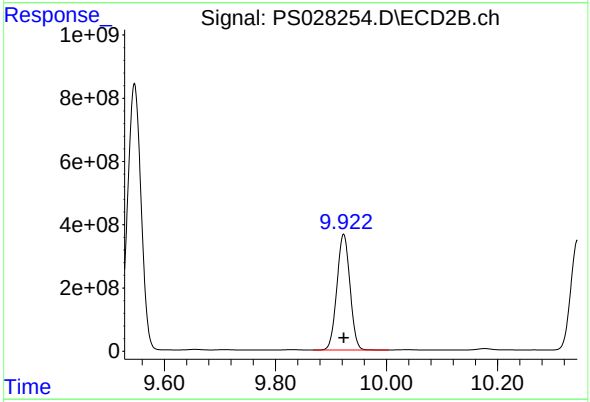
#11 2,4,5-TP (SILVEX)

R.T.: 9.277 min
Delta R.T.: 0.000 min
Response: 8261845990
Conc: 479.44 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

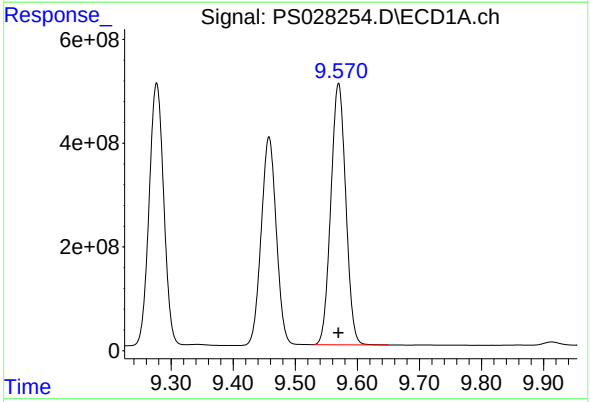
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



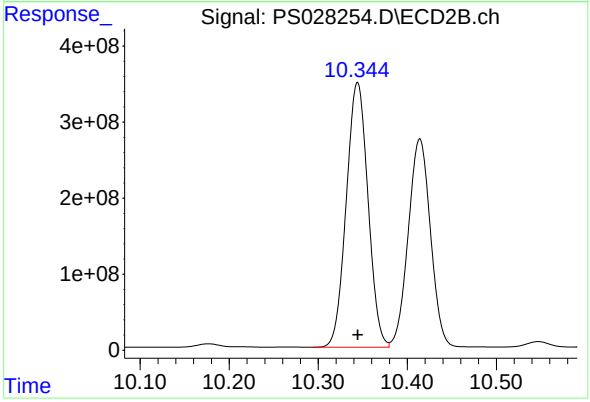
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 5990708385
Conc: 475.63 ng/ml



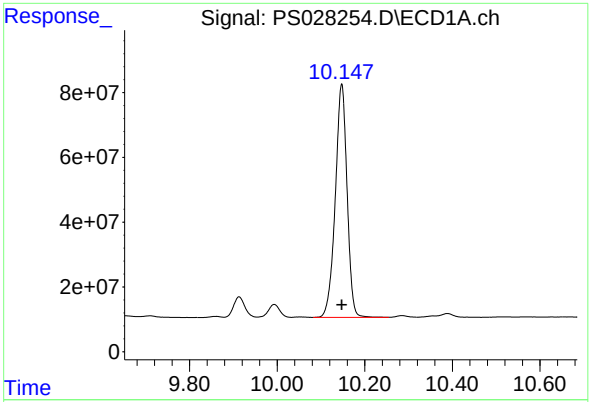
#12 2,4,5-T

R.T.: 9.570 min
Delta R.T.: 0.000 min
Response: 8407092602
Conc: 479.08 ng/ml



#12 2,4,5-T

R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 5907419244
Conc: 475.57 ng/ml



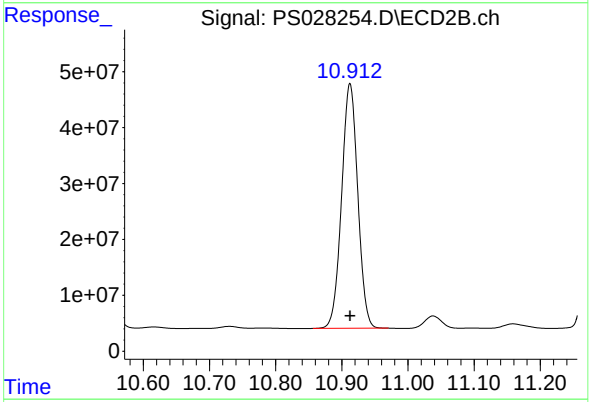
#13 2,4-DB

R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 1342838914
Conc: 475.22 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

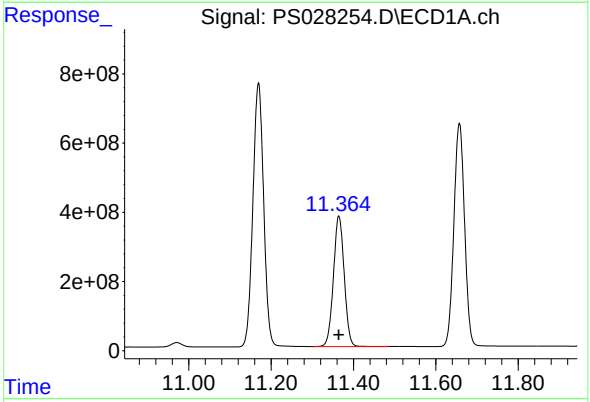
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



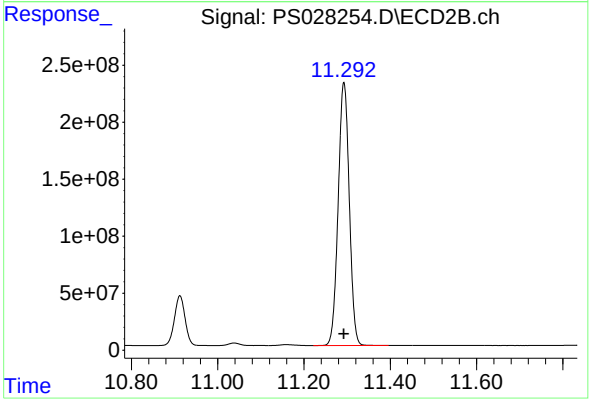
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 743787551
Conc: 471.35 ng/ml



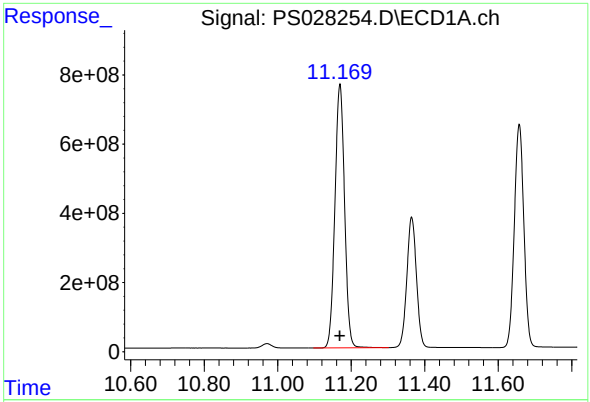
#14 DINOSEB

R.T.: 11.365 min
Delta R.T.: 0.000 min
Response: 6850183894
Conc: 470.33 ng/ml



#14 DINOSEB

R.T.: 11.293 min
Delta R.T.: 0.000 min
Response: 4122557520
Conc: 469.22 ng/ml



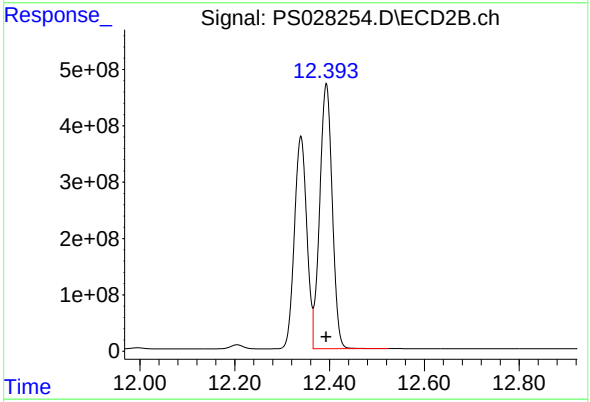
#15 Picloram

R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 13862147165
Conc: 472.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

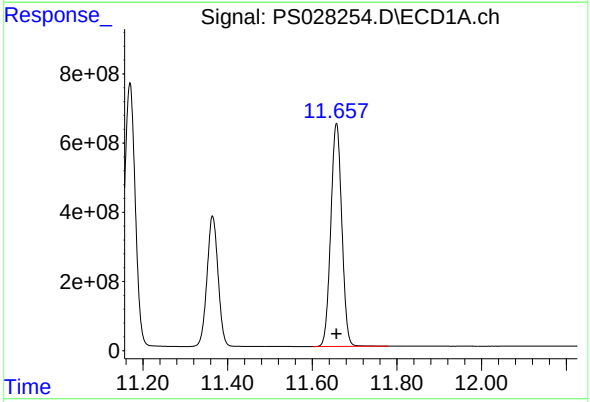
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



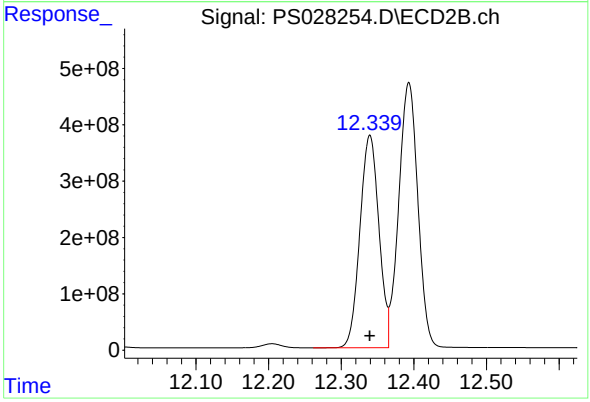
#15 Picloram

R.T.: 12.393 min
Delta R.T.: 0.000 min
Response: 8612156410
Conc: 469.12 ng/ml



#16 DCPA

R.T.: 11.657 min
Delta R.T.: 0.000 min
Response: 11638043614
Conc: 482.28 ng/ml



#16 DCPA

R.T.: 12.339 min
Delta R.T.: 0.000 min
Response: 6852136562
Conc: 480.53 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:36
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: Nov 06 11:12:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:11:45 2024
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	7.262	7.765	1910.0E6	1298.7E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.653	2.709	2427.3E6	2006.2E6	682.500	682.500
2) T	3,5-DICHL...	6.429	6.715	2591.6E6	1761.8E6	697.500	697.500
3) T	4-Nitroph...	7.061	7.291	1114.6E6	774.4E6	682.500	682.500
5) T	DICAMBA	7.451	7.967	7960.3E6	5749.9E6	705.000	705.000
6) T	MCPP	7.635	8.069	549.9E6	433.1E6	70.500	70.500
7) T	MCPA	7.786	8.315	736.9E6	577.6E6	69.750	69.750
8) T	DICHLORPROP	8.163	8.684	1962.8E6	1411.6E6	705.000	705.000
9) T	2,4-D	8.394	9.015	2202.9E6	1569.5E6	705.000	705.000
10) T	Pentachlo...	8.694	9.547	30716.5E6	21052.6E6	712.500	712.500
11) T	2,4,5-TP ...	9.277	9.923	12163.4E6	8962.4E6	712.500	712.500
12) T	2,4,5-T	9.569	10.344	12395.8E6	8839.8E6	712.500	712.500
13) T	2,4-DB	10.147	10.912	2012.4E6	1132.9E6	712.500	712.500
14) T	DINOSEB	11.364	11.291	10261.0E6	6204.5E6	705.000	705.000
15) T	Picloram	11.169	12.393	21022.4E6	13242.0E6	712.500	712.500
16) T	DCPA	11.657	12.339	17291.9E6	10255.6E6	720.000	720.000

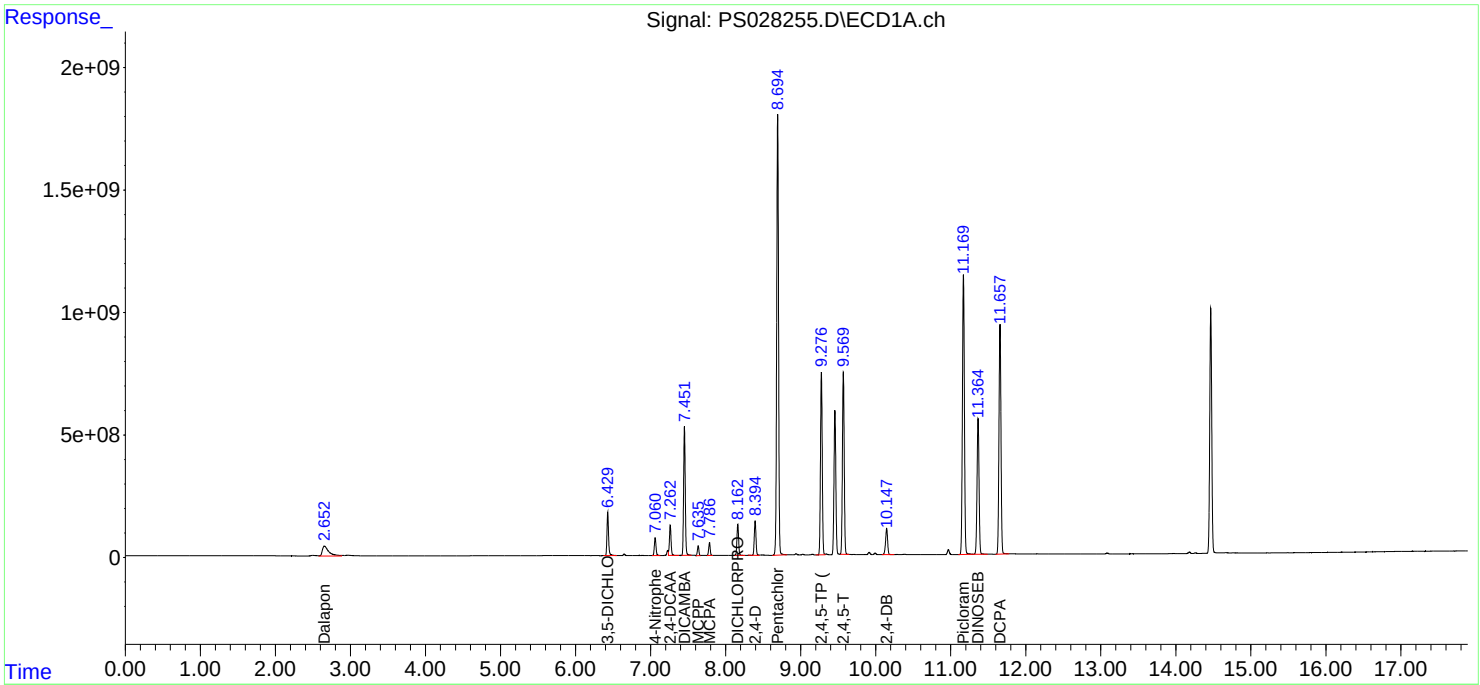
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

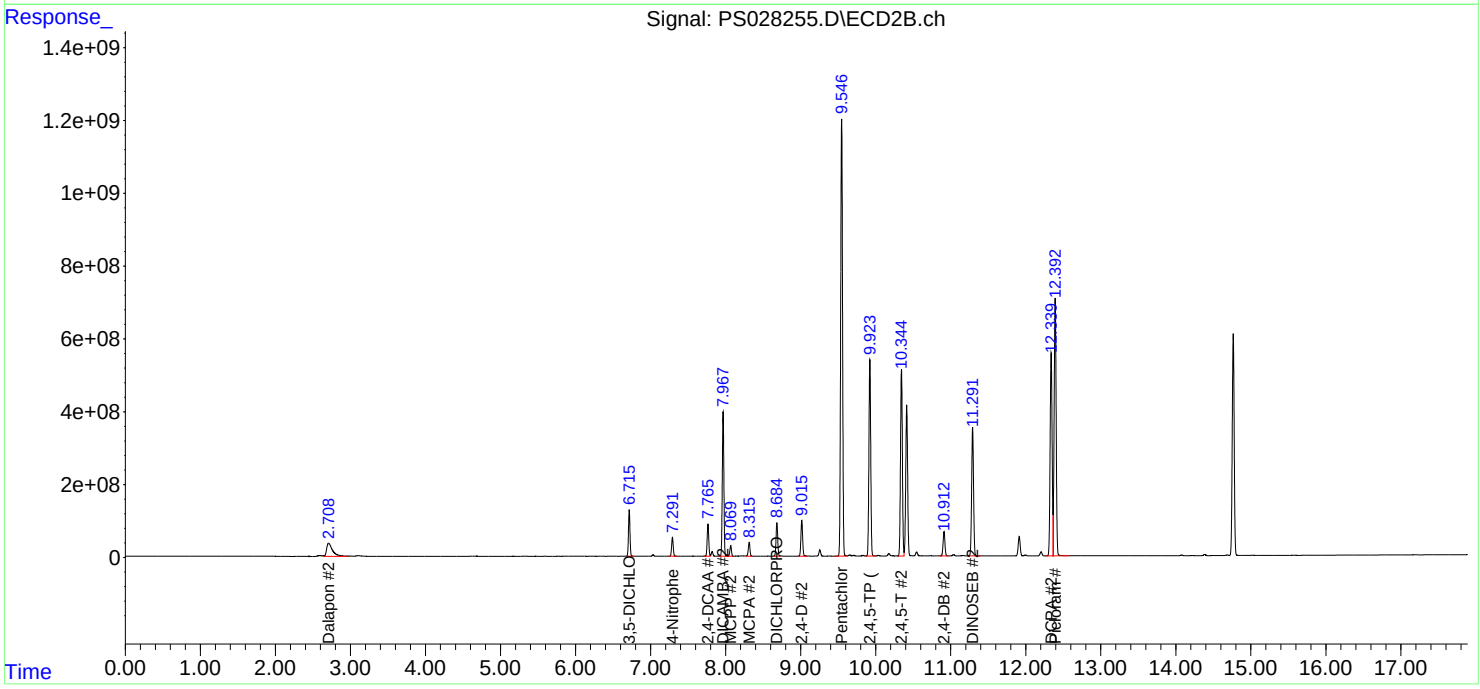
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028255.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 10:36
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

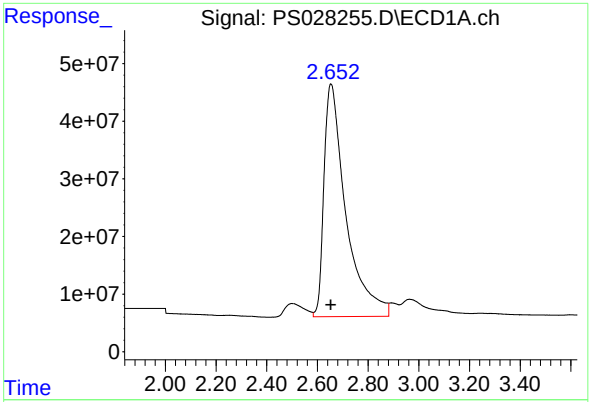
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:12:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:11:45 2024
Response via : Initial Calibration
Integrator: ChemStation

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



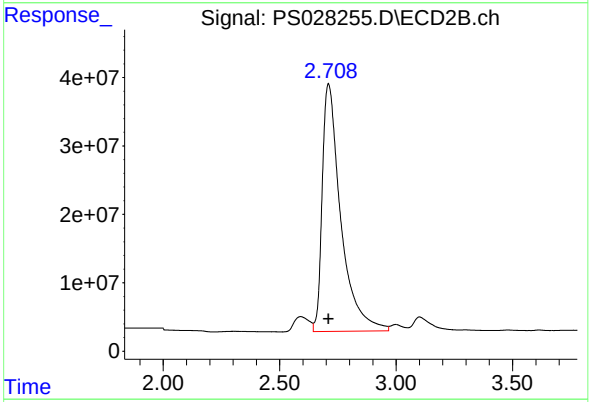




#1 Dalapon

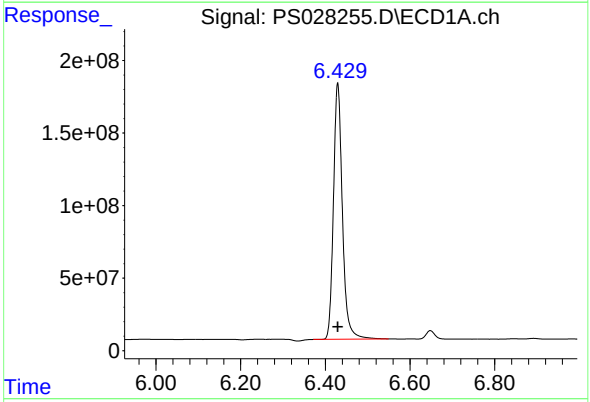
R.T.: 2.653 min
Delta R.T.: 0.000 min
Response: 2427295820
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



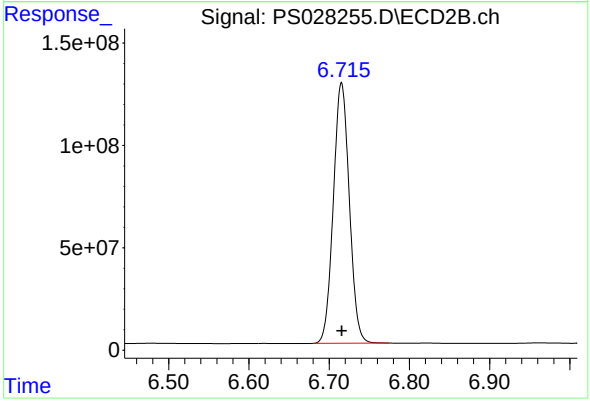
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 2006246868
Conc: 682.50 ng/ml



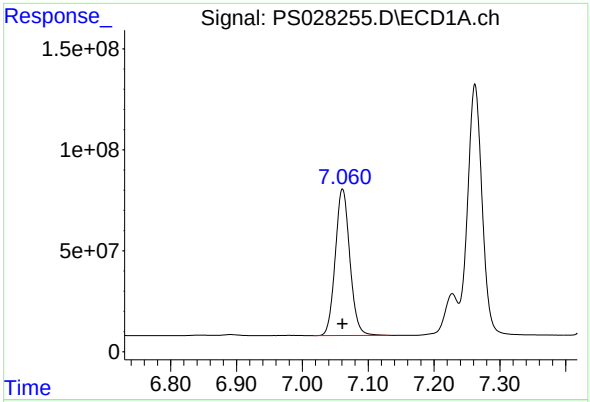
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.429 min
Delta R.T.: 0.000 min
Response: 2591623320
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

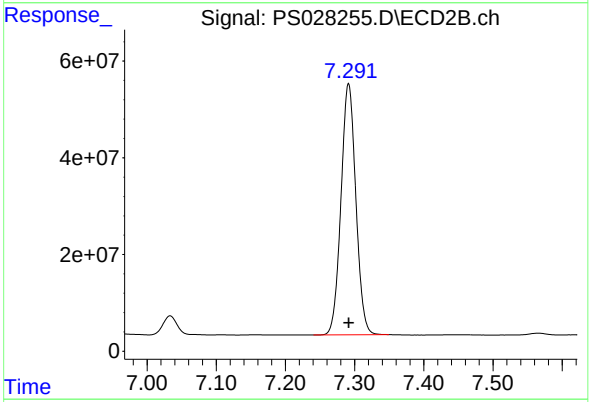
R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1761789884
Conc: 697.50 ng/ml



#3 4-Nitrophenol

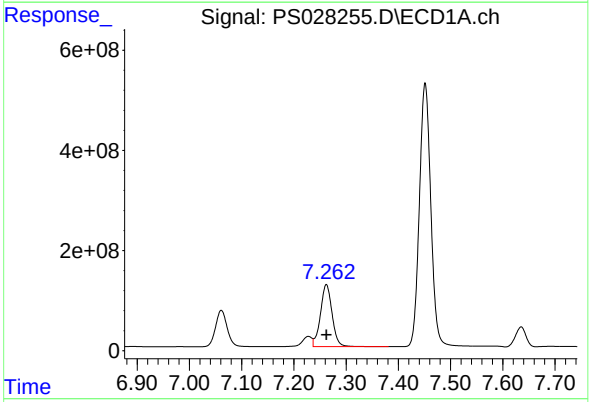
R.T.: 7.061 min
Delta R.T.: 0.000 min
Response: 1114580645
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



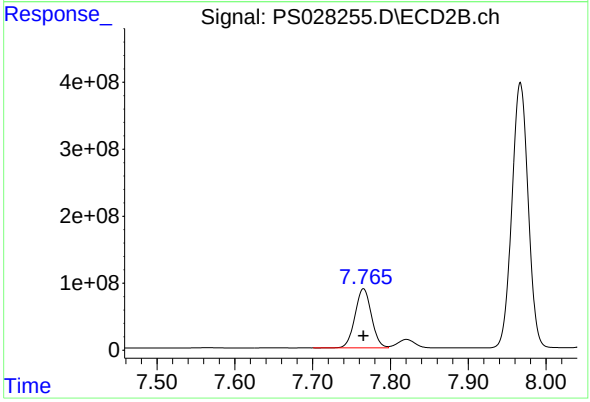
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 774386777
Conc: 682.50 ng/ml



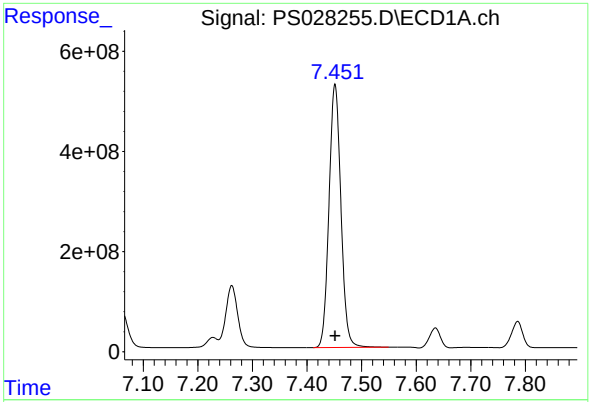
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1909957731
Conc: 750.00 ng/ml



#4 2,4-DCAA

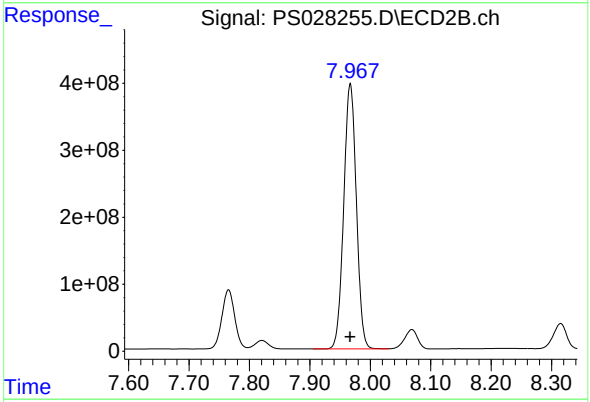
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 1298725092
Conc: 750.00 ng/ml



#5 DICAMBA

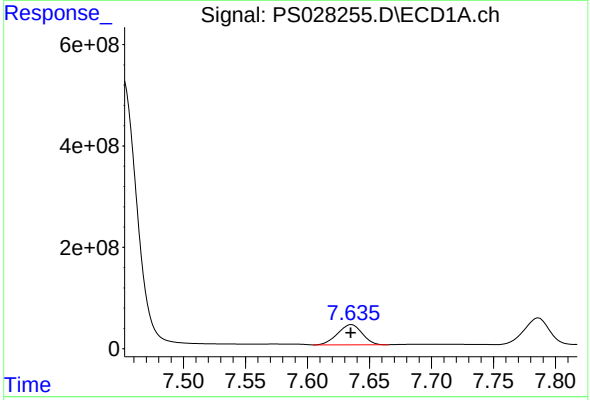
R.T.: 7.451 min
Delta R.T.: 0.000 min
Response: 7960325238
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



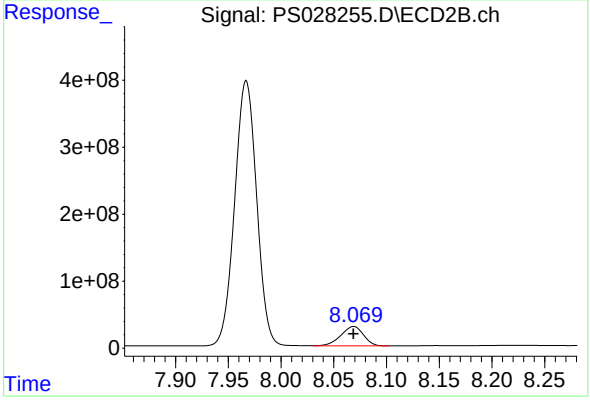
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 5749907361
Conc: 705.00 ng/ml



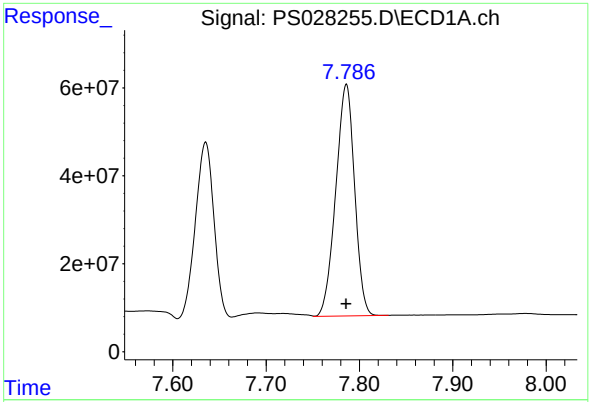
#6 MCPP

R.T.: 7.635 min
Delta R.T.: 0.000 min
Response: 549886235
Conc: 70.50 ug/ml



#6 MCPP

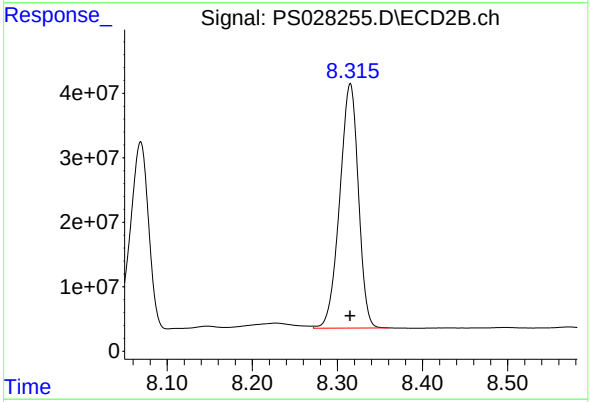
R.T.: 8.069 min
Delta R.T.: 0.000 min
Response: 433130594
Conc: 70.50 ug/ml



#7 MCPA

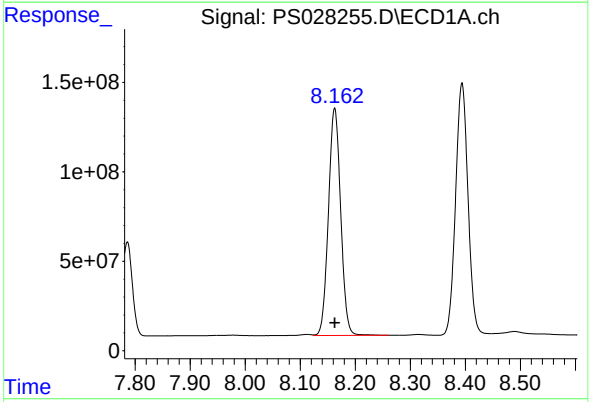
R.T.: 7.786 min
Delta R.T.: 0.000 min
Response: 736853891
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



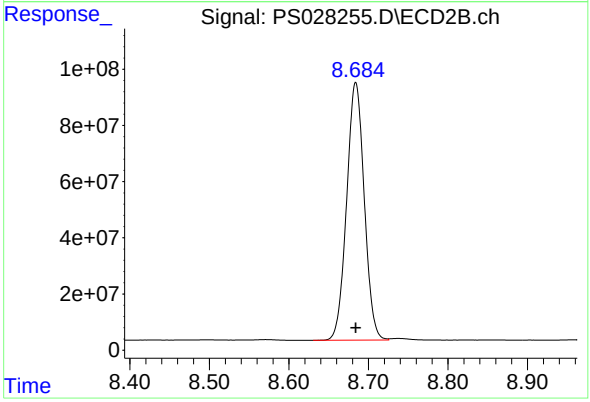
#7 MCPA

R.T.: 8.315 min
Delta R.T.: 0.000 min
Response: 577628626
Conc: 69.75 ug/ml



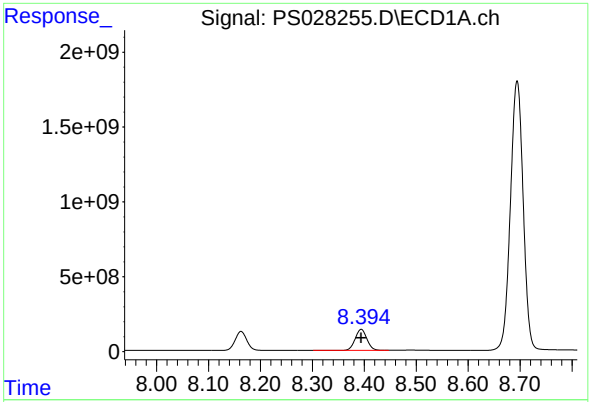
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: 0.000 min
Response: 1962831456
Conc: 705.00 ng/ml



#8 DICHLORPROP

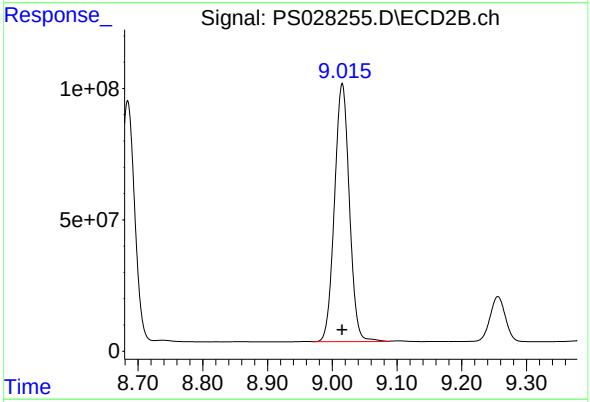
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1411628902
Conc: 705.00 ng/ml



#9 2,4-D

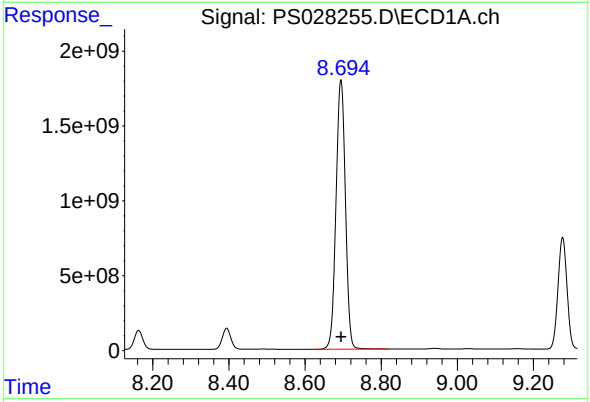
R.T.: 8.394 min
Delta R.T.: 0.000 min
Response: 2202919451
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



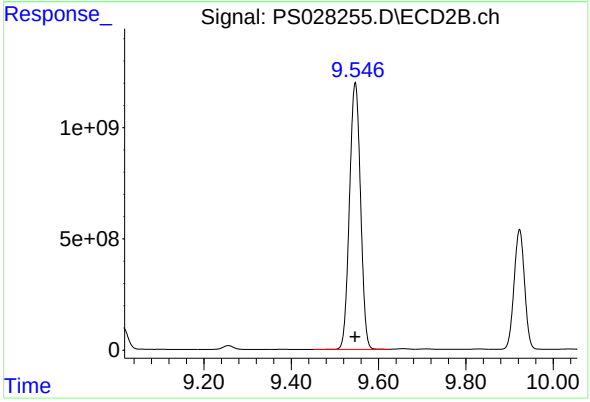
#9 2,4-D

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 1569456146
Conc: 705.00 ng/ml



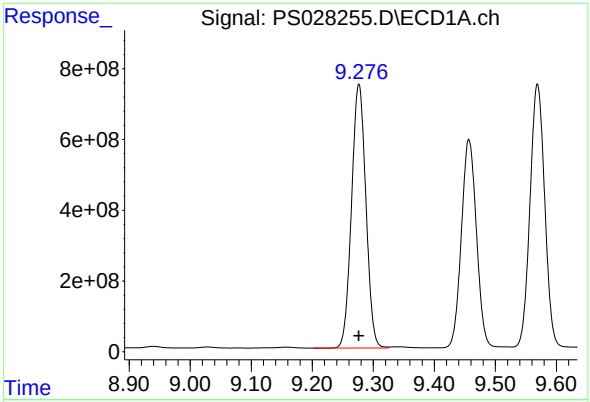
#10 Pentachlorophenol

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 30716456668
Conc: 712.50 ng/ml



#10 Pentachlorophenol

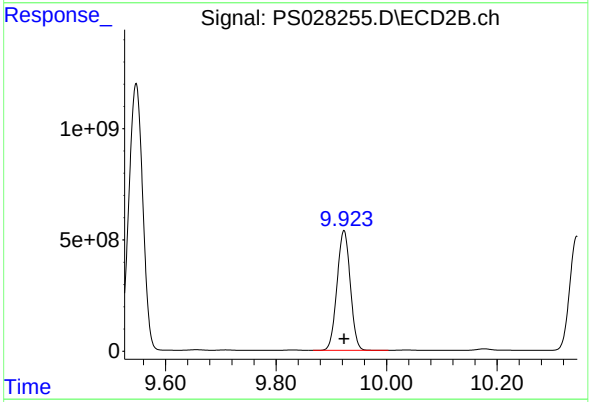
R.T.: 9.547 min
Delta R.T.: 0.000 min
Response: 21052569097
Conc: 712.50 ng/ml



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

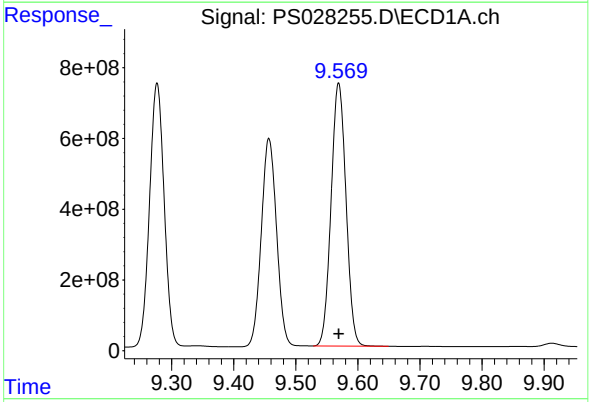
R.T.: 9.277 min
Delta R.T.: 0.000 min
Response: 12163393791
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



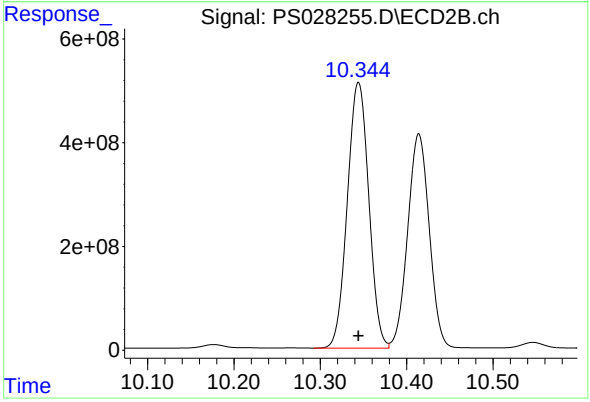
#11 2,4,5-TP (SILVEX)

R.T.: 9.923 min
Delta R.T.: 0.000 min
Response: 8962387585
Conc: 712.50 ng/ml



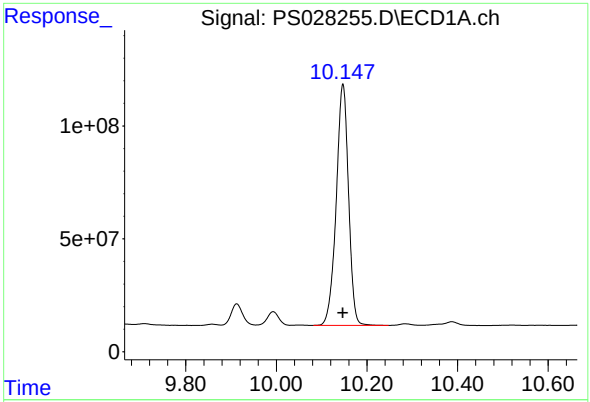
#12 2,4,5-T

R.T.: 9.569 min
Delta R.T.: 0.000 min
Response: 12395763724
Conc: 712.50 ng/ml



#12 2,4,5-T

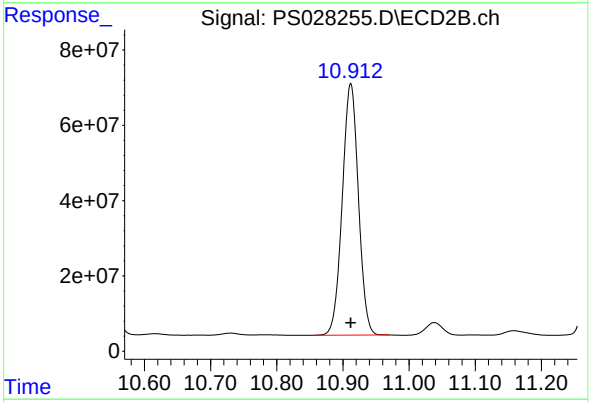
R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 8839821424
Conc: 712.50 ng/ml



#13 2,4-DB

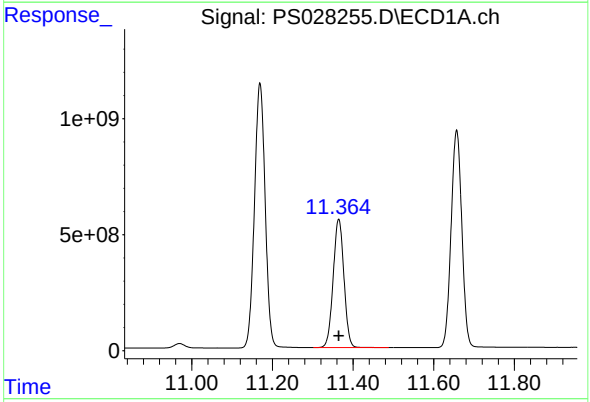
R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 2012407742
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



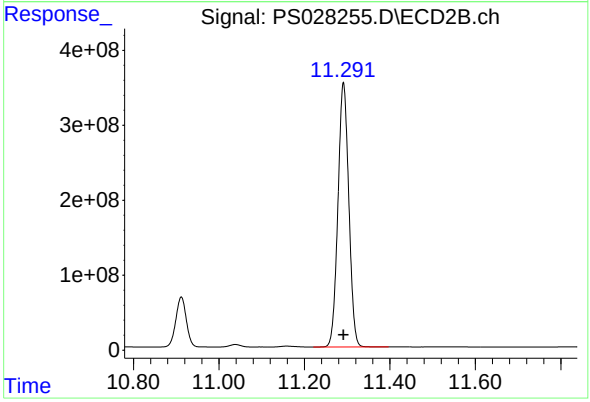
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 1132940966
Conc: 712.50 ng/ml



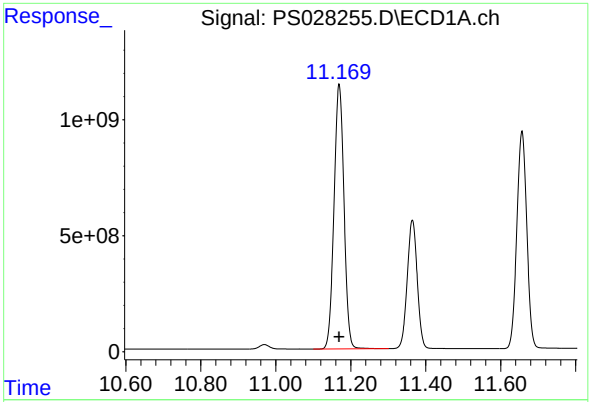
#14 DINOSEB

R.T.: 11.364 min
Delta R.T.: 0.000 min
Response: 10261043129
Conc: 705.00 ng/ml



#14 DINOSEB

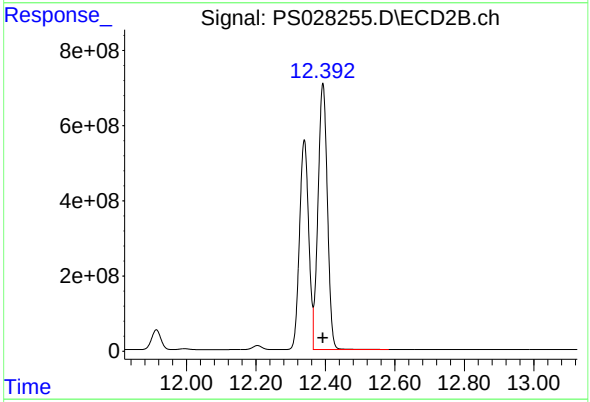
R.T.: 11.291 min
Delta R.T.: 0.000 min
Response: 6204522057
Conc: 705.00 ng/ml



#15 Picloram

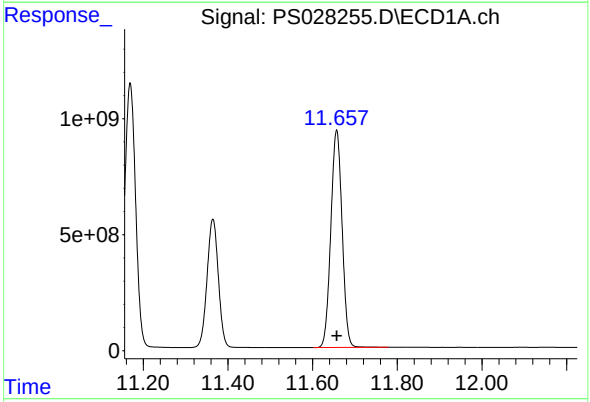
R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 21022416348
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



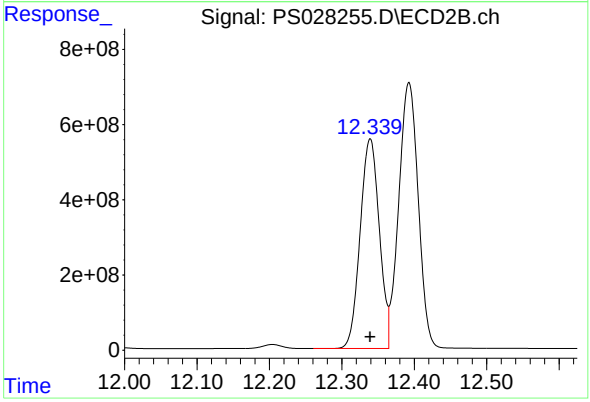
#15 Picloram

R.T.: 12.393 min
Delta R.T.: 0.000 min
Response: 13241974336
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.657 min
Delta R.T.: 0.000 min
Response: 17291887789
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.339 min
Delta R.T.: 0.000 min
Response: 10255558371
Conc: 720.00 ng/ml

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:00
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:35:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:34:58 2024
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	7.262	7.765	2432.1E6	1690.3E6	975.961m	982.122
	Target Compounds						
1) T	Dalapon	2.654	2.711	3271.7E6	2616.2E6	924.484	897.149
2) T	3,5-DICHL...	6.430	6.716	3320.2E6	2292.0E6	897.791	913.929
3) T	4-Nitroph...	7.061	7.291	1451.5E6	1008.8E6	893.624	894.555
5) T	DICAMBA	7.451	7.966	10305.4E6	7545.2E6	920.113	935.276
6) T	MCPP	7.637	8.070	737.2E6	575.3E6	95.823	94.645
7) T	MCPA	7.788	8.317	972.9E6	759.1E6	93.073	92.311
8) T	DICHLORPROP	8.162	8.684	2522.2E6	1845.8E6	909.363	927.122
9) T	2,4-D	8.393	9.015	2832.8E6	2045.3E6	910.203	924.732
10) T	Pentachlo...	8.694	9.546	38630.9E6	26793.0E6	905.074	914.400
11) T	2,4,5-TP ...	9.276	9.922	15615.7E6	11582.4E6	920.331	929.499
12) T	2,4,5-T	9.569	10.344	15926.5E6	11412.0E6	921.290	928.908
13) T	2,4-DB	10.147	10.912	2626.1E6	1496.6E6	936.143	948.946
14) T	DINOSEB	11.365	11.292	13278.9E6	8073.2E6	920.952	925.804
15) T	Picloram	11.169	12.392	27284.2E6	17278.1E6	936.433	944.096
16) T	DCPA	11.657	12.339	22197.4E6	13216.4E6	932.863	937.639

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

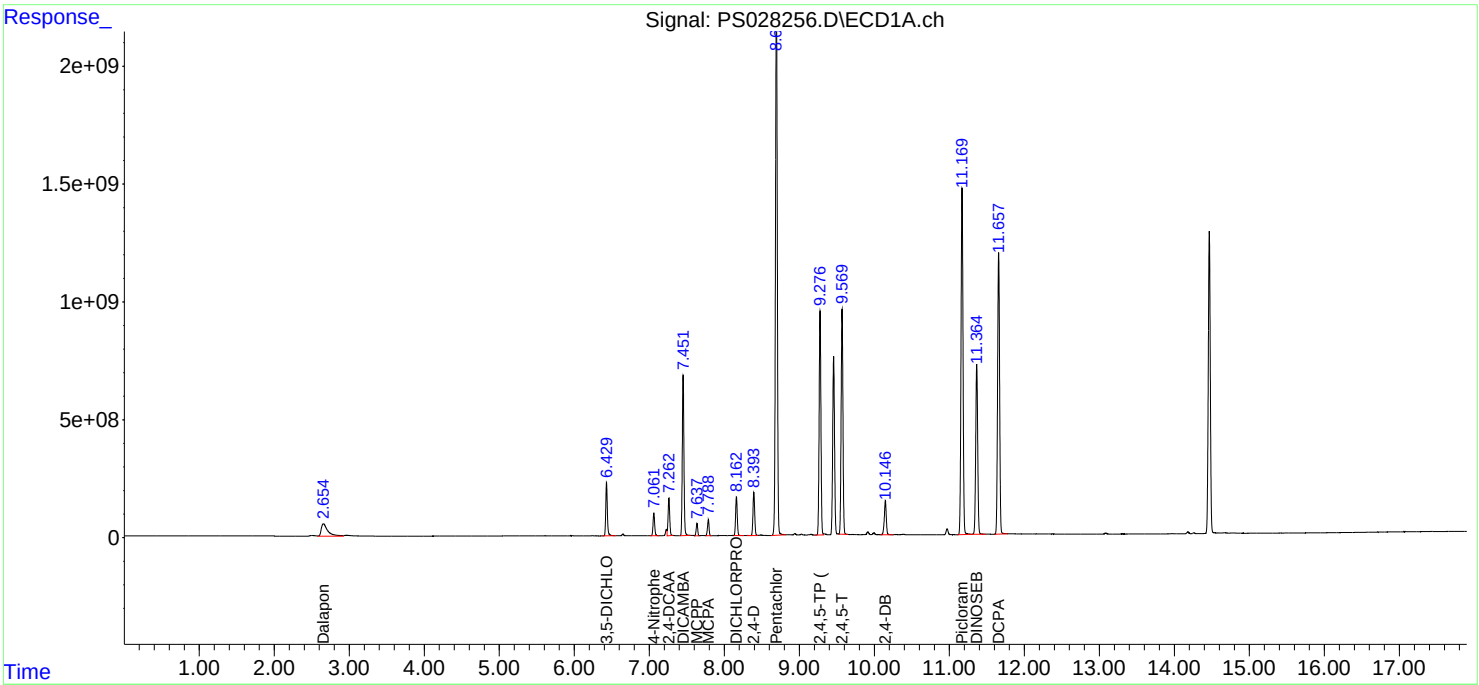
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028256.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:00
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

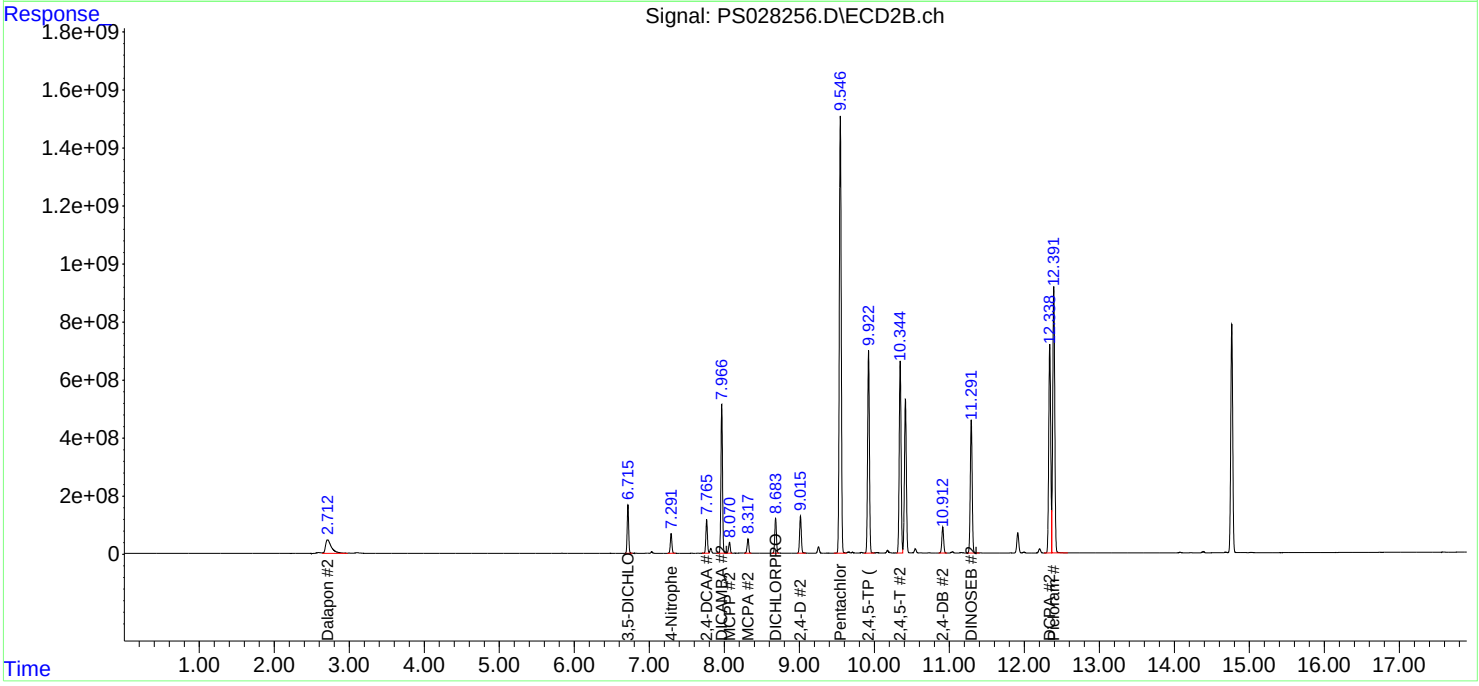
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

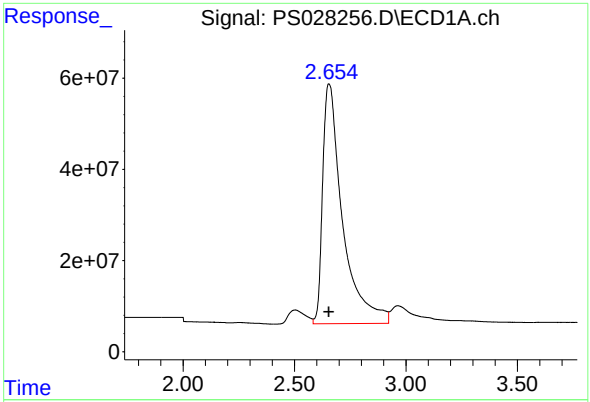
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:35:07 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:34:58 2024
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







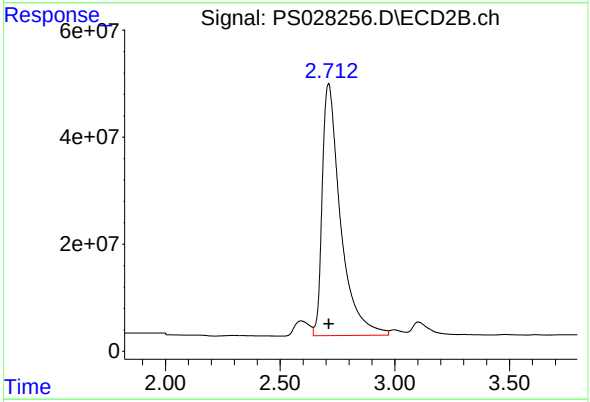
#1 Dalapon

R.T.: 2.654 min
Delta R.T.: 0.000 min
Response: 3271696205
Conc: 924.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

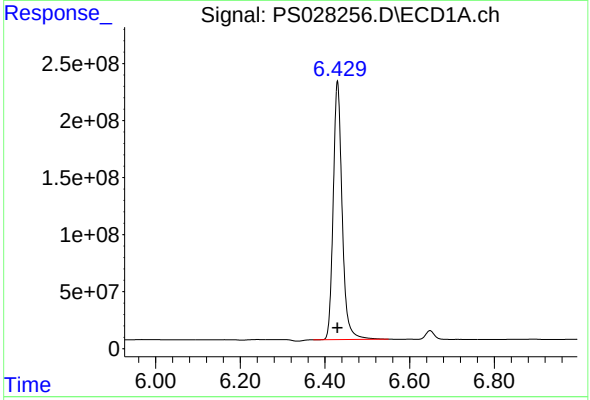
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



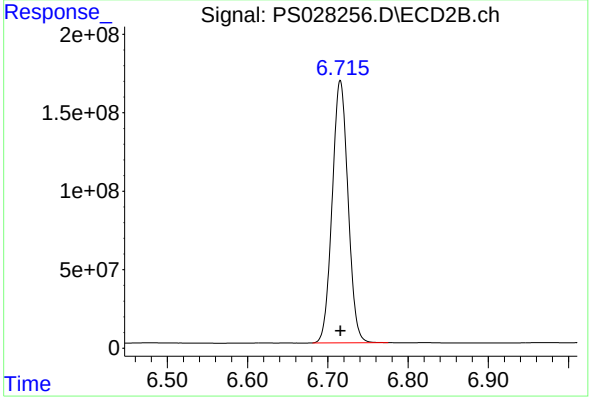
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 2616195166
Conc: 897.15 ng/ml



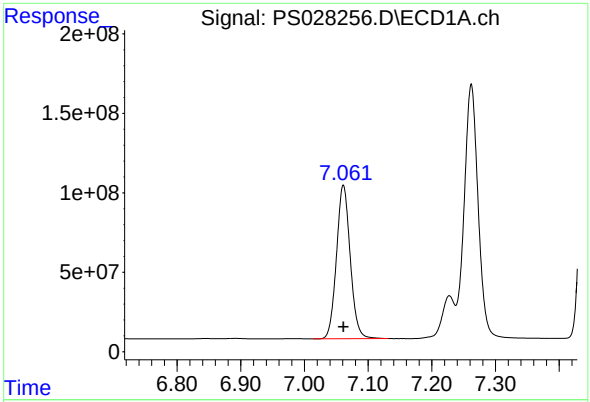
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min
Delta R.T.: 0.000 min
Response: 3320196395
Conc: 897.79 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 2292021581
Conc: 913.93 ng/ml



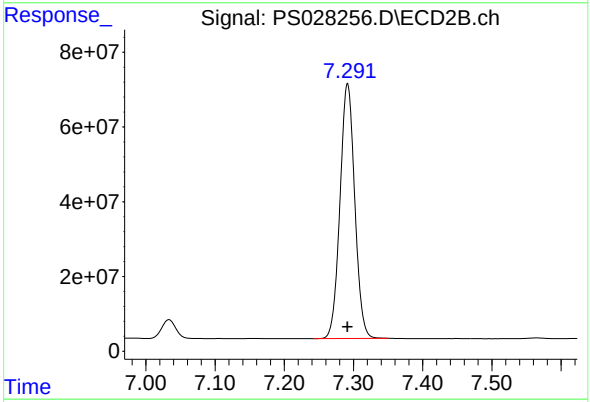
#3 4-Nitrophenol

R.T.: 7.061 min
Delta R.T.: 0.000 min
Response: 1451485119
Conc: 893.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

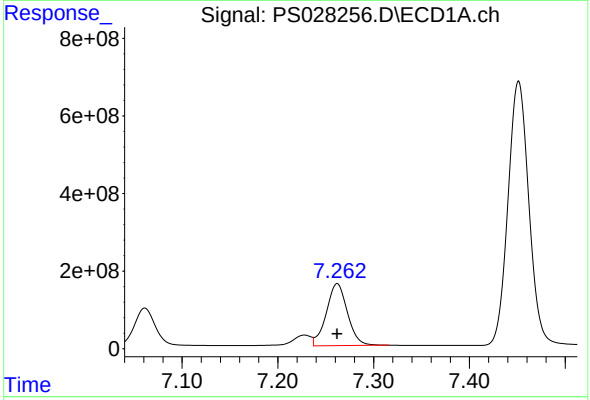
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



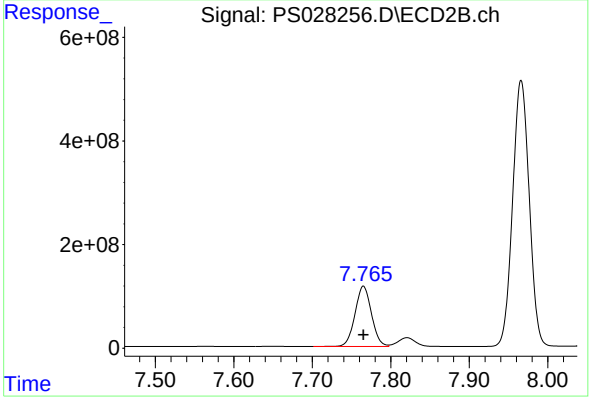
#3 4-Nitrophenol

R.T.: 7.291 min
Delta R.T.: 0.000 min
Response: 1008760627
Conc: 894.56 ng/ml



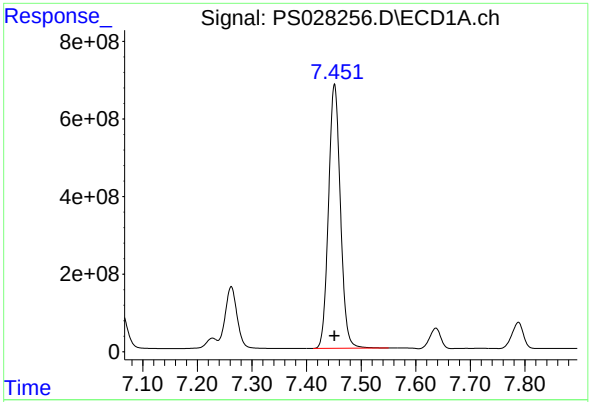
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 2432093967
Conc: 975.96 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 1690270766
Conc: 982.12 ng/ml



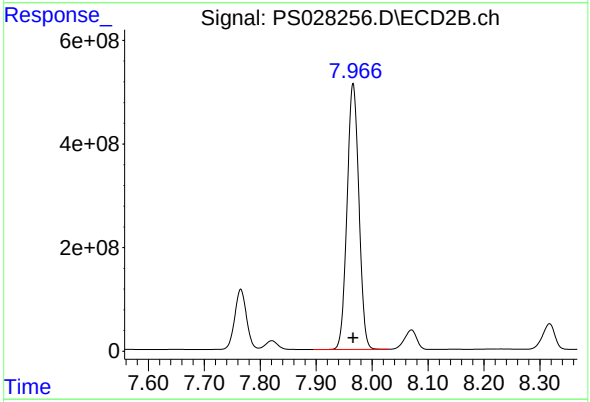
#5 DICAMBA

R.T.: 7.451 min
Delta R.T.: 0.000 min
Response: 10305445870
Conc: 920.11 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

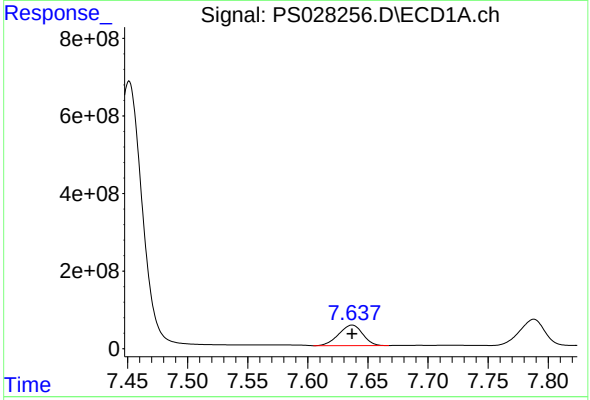
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



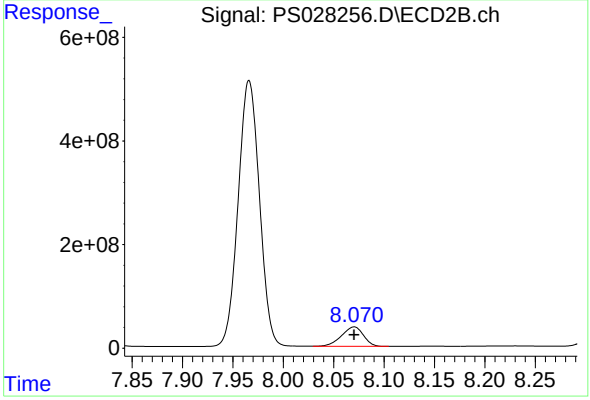
#5 DICAMBA

R.T.: 7.966 min
Delta R.T.: 0.000 min
Response: 7545226353
Conc: 935.28 ng/ml



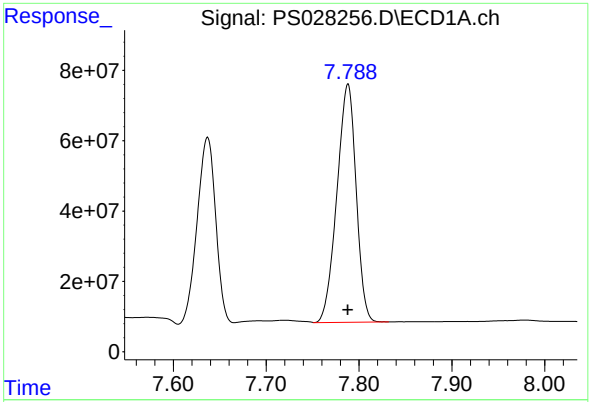
#6 MCPP

R.T.: 7.637 min
Delta R.T.: 0.000 min
Response: 737181829
Conc: 95.82 ug/ml



#6 MCPP

R.T.: 8.070 min
Delta R.T.: 0.000 min
Response: 575332150
Conc: 94.65 ug/ml



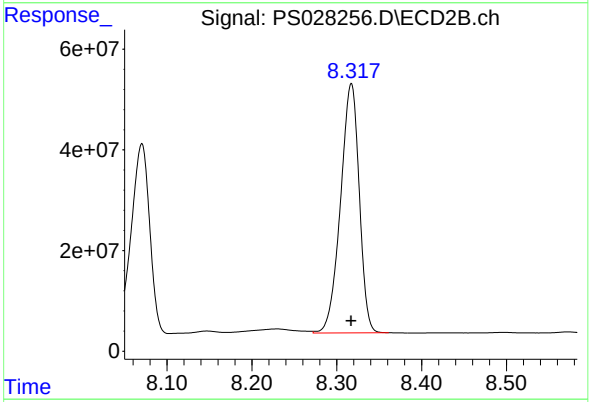
#7 MCPA

R.T.: 7.788 min
Delta R.T.: 0.000 min
Response: 972913862
Conc: 93.07 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

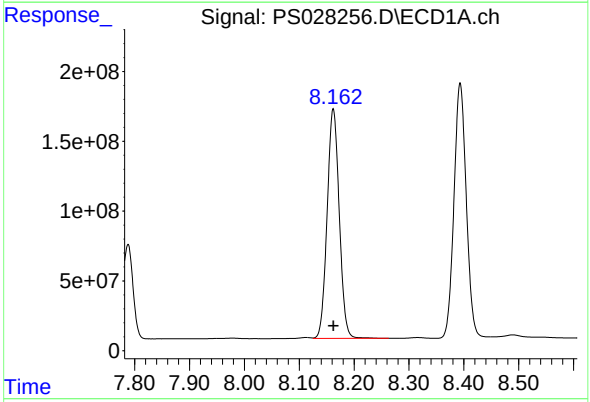
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



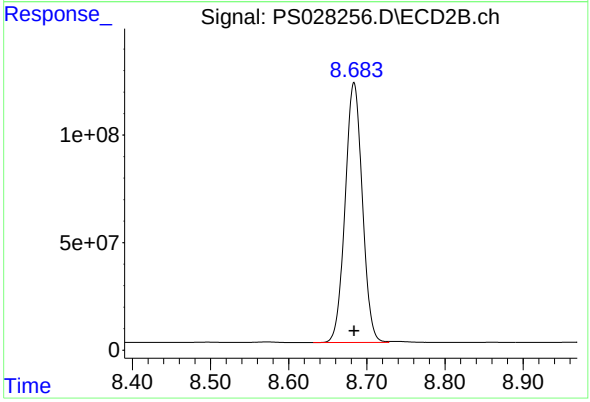
#7 MCPA

R.T.: 8.317 min
Delta R.T.: 0.000 min
Response: 759084985
Conc: 92.31 ug/ml



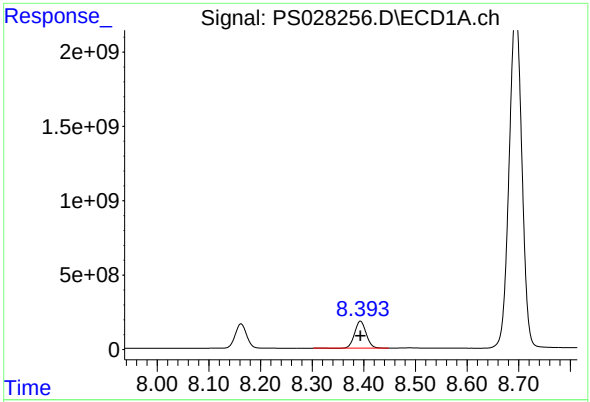
#8 DICHLORPROP

R.T.: 8.162 min
Delta R.T.: 0.000 min
Response: 2522197571
Conc: 909.36 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1845813291
Conc: 927.12 ng/ml



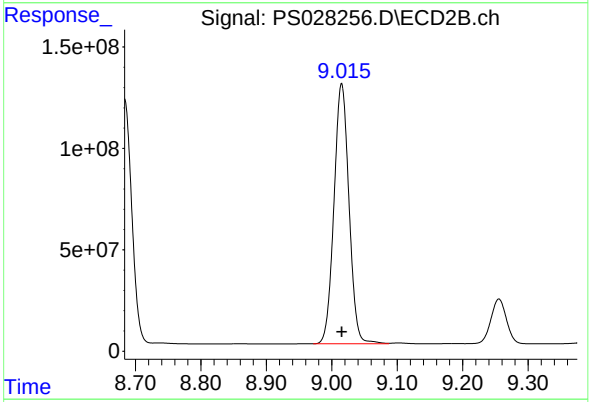
#9 2,4-D

R.T.: 8.393 min
Delta R.T.: 0.000 min
Response: 2832756845
Conc: 910.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

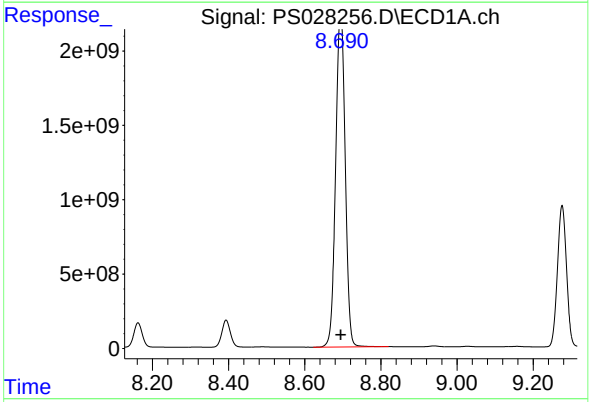
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



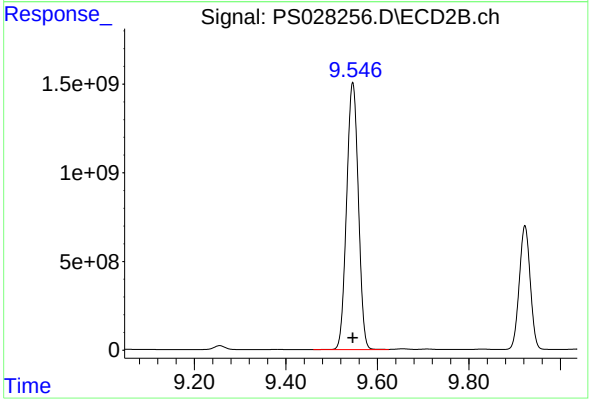
#9 2,4-D

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 2045272116
Conc: 924.73 ng/ml



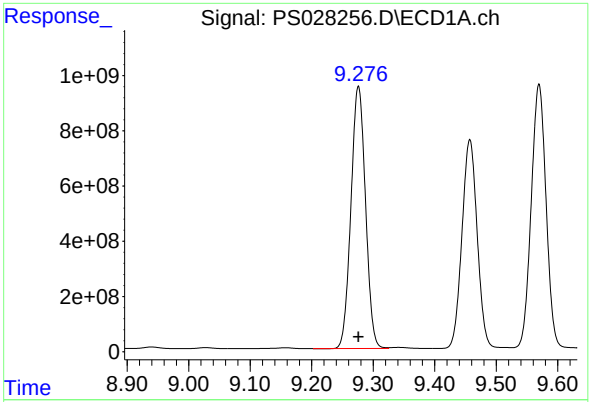
#10 Pentachlorophenol

R.T.: 8.694 min
Delta R.T.: 0.000 min
Response: 38630863608
Conc: 905.07 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min
Delta R.T.: 0.000 min
Response: 26793014437
Conc: 914.40 ng/ml



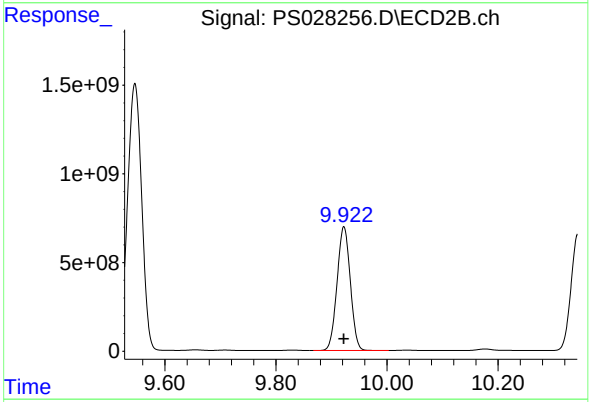
#11 2,4,5-TP (SILVEX)

R.T.: 9.276 min
Delta R.T.: 0.000 min
Response: 15615673102
Conc: 920.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

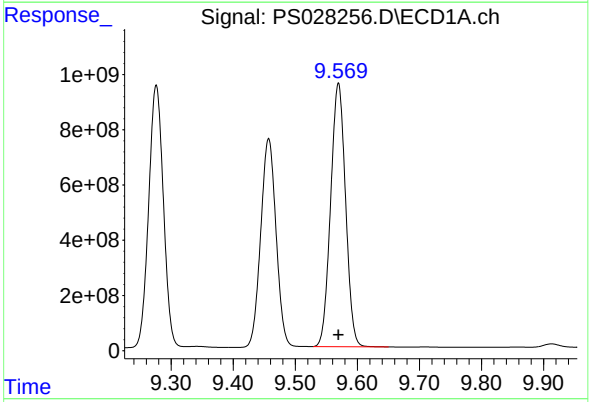
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



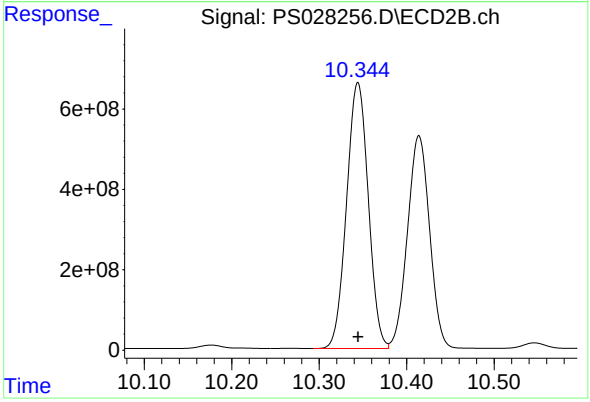
#11 2,4,5-TP (SILVEX)

R.T.: 9.922 min
Delta R.T.: 0.000 min
Response: 11582440713
Conc: 929.50 ng/ml



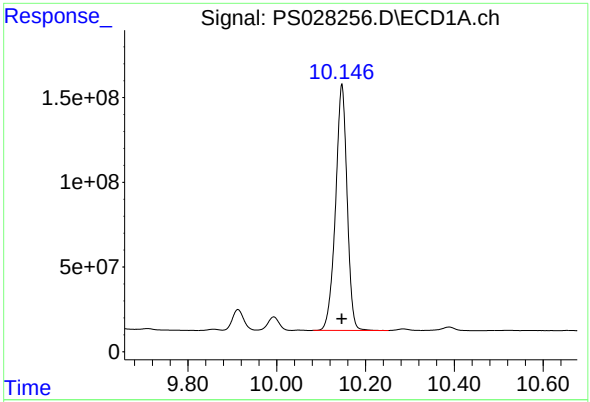
#12 2,4,5-T

R.T.: 9.569 min
Delta R.T.: 0.000 min
Response: 15926470083
Conc: 921.29 ng/ml



#12 2,4,5-T

R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 11411956993
Conc: 928.91 ng/ml



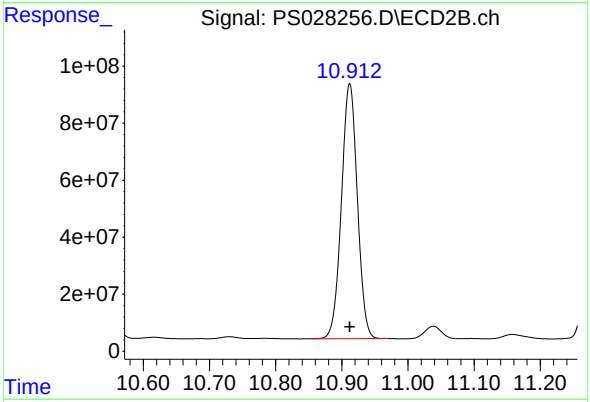
#13 2,4-DB

R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 2626136984
Conc: 936.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

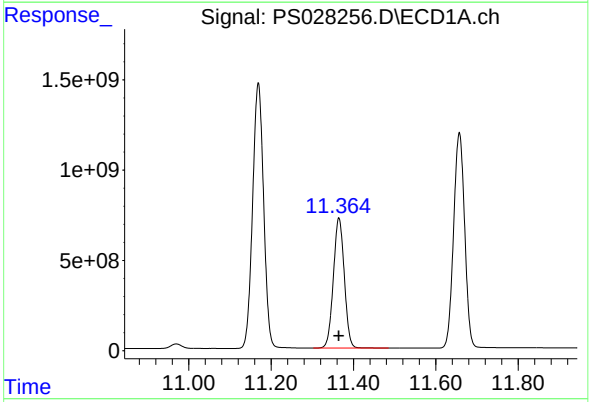
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



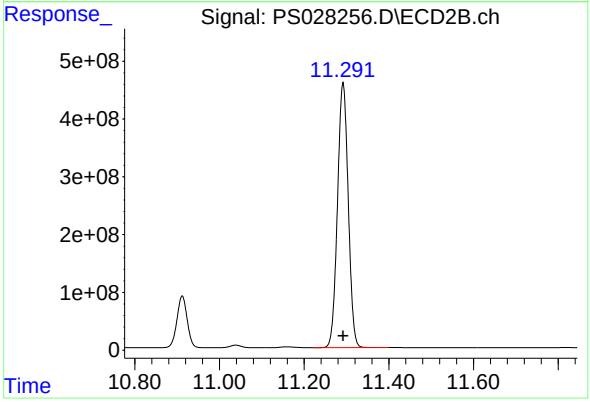
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 1496588795
Conc: 948.95 ng/ml



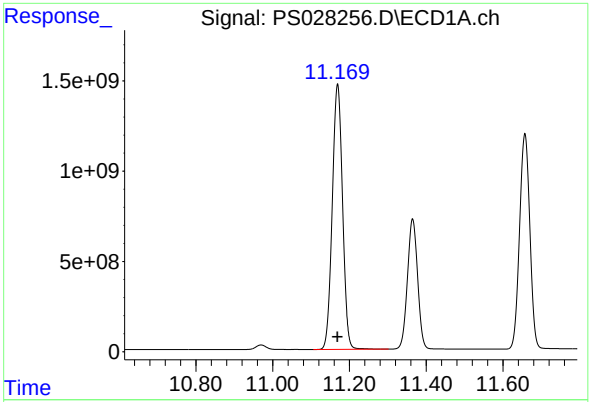
#14 DINOSEB

R.T.: 11.365 min
Delta R.T.: 0.000 min
Response: 13278908779
Conc: 920.95 ng/ml



#14 DINOSEB

R.T.: 11.292 min
Delta R.T.: 0.000 min
Response: 8073223240
Conc: 925.80 ng/ml



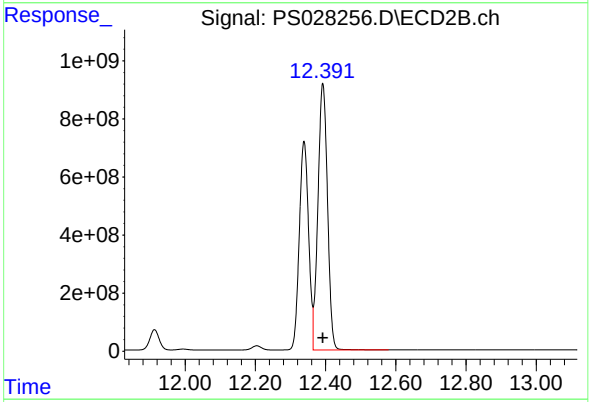
#15 Picloram

R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 27284170333
Conc: 936.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

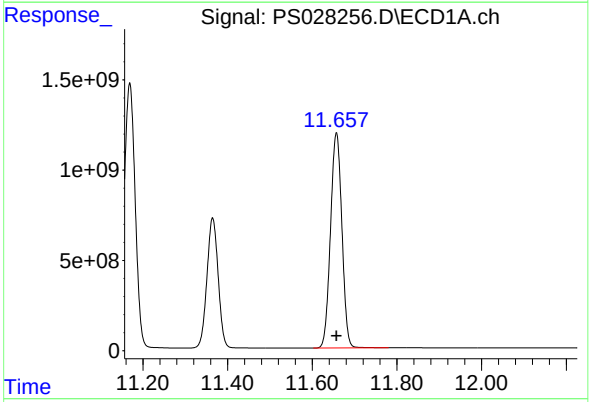
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



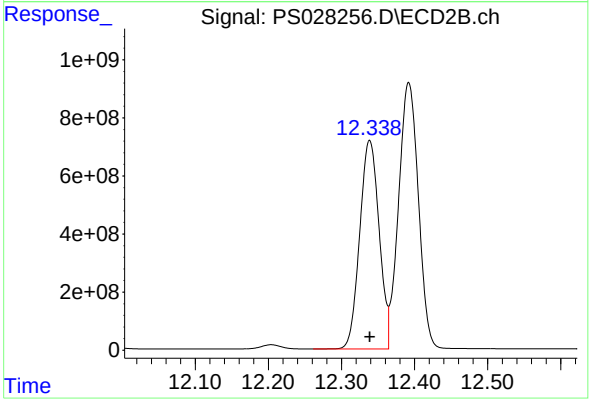
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.000 min
Response: 17278066085
Conc: 944.10 ng/ml



#16 DCPA

R.T.: 11.657 min
Delta R.T.: 0.000 min
Response: 22197383787
Conc: 932.86 ng/ml



#16 DCPA

R.T.: 12.339 min
Delta R.T.: 0.000 min
Response: 13216402284
Conc: 937.64 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:24
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:47:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:47:11 2024
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	7.263	7.765	3578.7E6	2534.7E6	1397.159	1455.253
		Target Compounds						
1)	T	Dalapon	2.654	2.710	4981.8E6	3925.2E6	1399.712	1333.953
2)	T	3,5-DICHL...	6.430	6.716	4846.4E6	3424.5E6	1292.795	1353.090
3)	T	4-Nitroph...	7.062	7.292	2179.8E6	1521.9E6	1323.022	1328.039
5)	T	DICAMBA	7.452	7.967	15172.0E6	11276.2E6	1351.202	1403.807
6)	T	MCPP	7.641	8.074	1146.8E6	885.2E6	151.249	145.801
7)	T	MCPA	7.793	8.322	1484.1E6	1151.7E6	142.554	138.113
8)	T	DICHLORPROP	8.163	8.684	3704.4E6	2778.9E6	1313.961	1383.038
9)	T	2,4-D	8.394	9.015	4151.5E6	3055.9E6	1315.396	1370.262
10)	T	Pentachlo...	8.696	9.546	47081.5E6	37948.1E6	1132.782	1301.165
11)	T	2,4,5-TP ...	9.276	9.922	22578.3E6	16928.6E6	1326.135	1360.521
12)	T	2,4,5-T	9.570	10.344	23100.9E6	16657.6E6	1332.578	1357.941
13)	T	2,4-DB	10.147	10.912	3937.4E6	2277.8E6	1393.030	1437.213
14)	T	DINOSEB	11.364	11.291	19623.9E6	11997.1E6	1357.212	1375.556
15)	T	Picloram	11.169	12.392	40302.3E6	25436.4E6	1389.789	1410.611
16)	T	DCPA	11.657	12.339	32077.6E6	19195.1E6	1350.108	1370.053

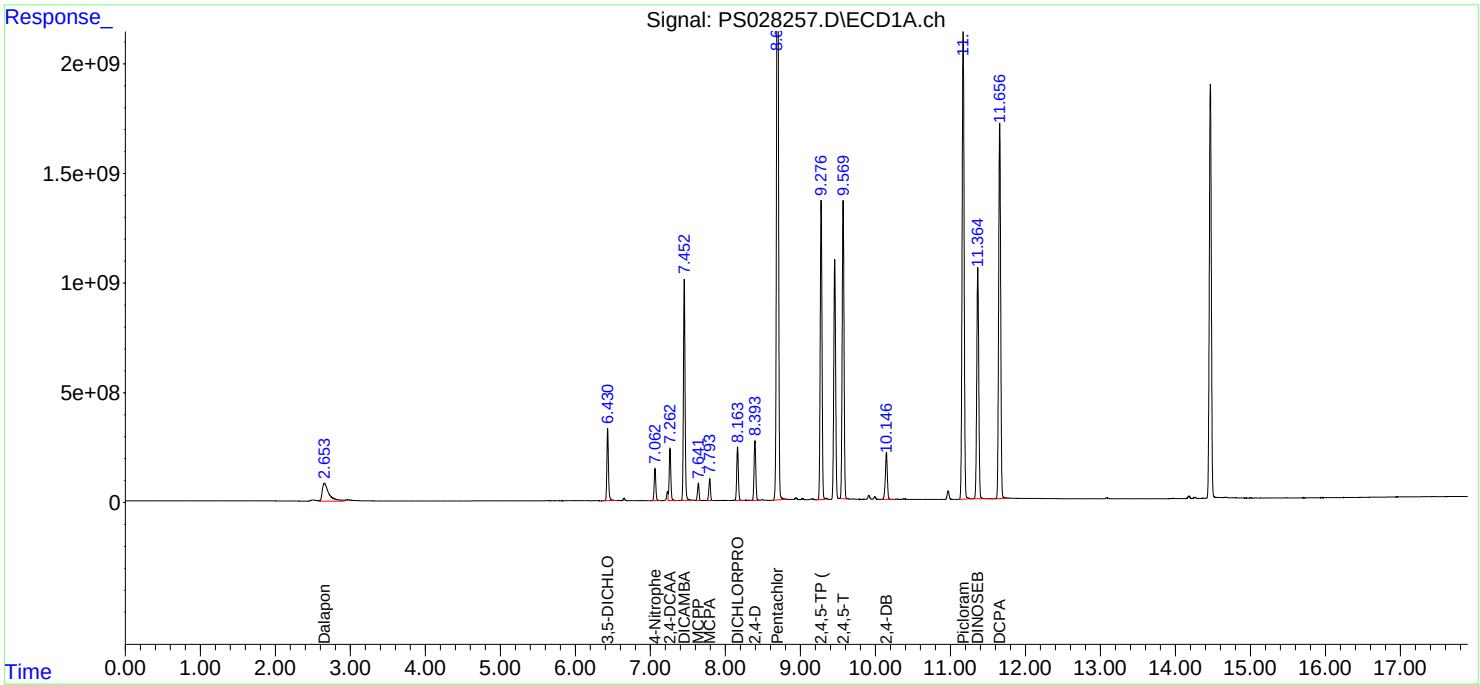
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

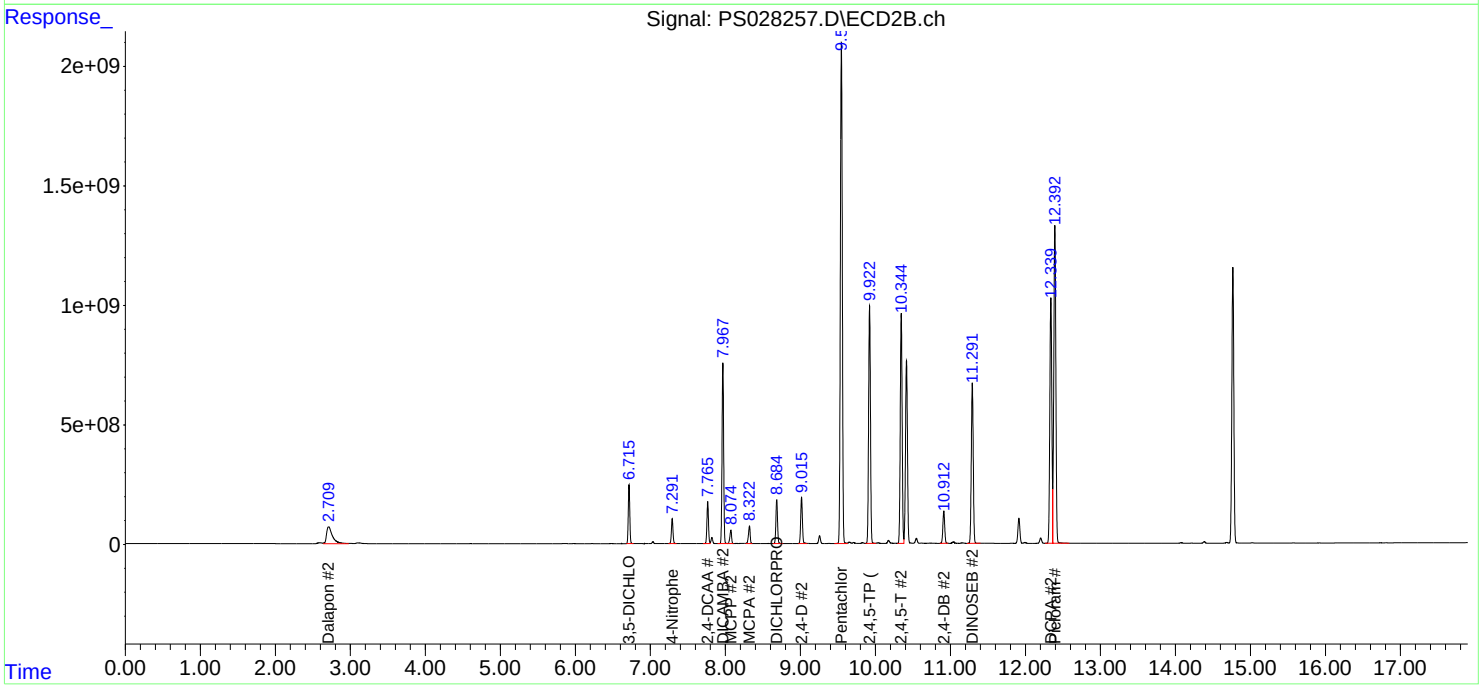
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028257.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:24
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

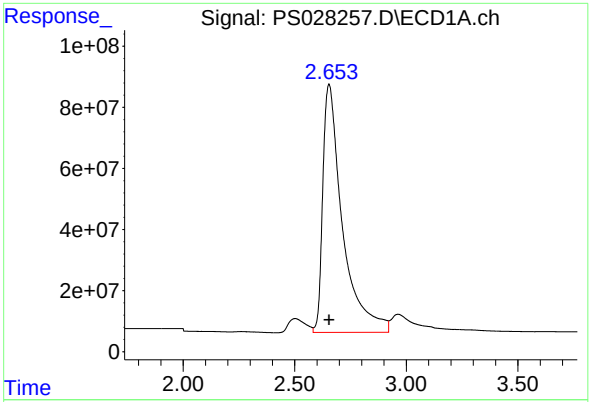
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:47:23 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:47:11 2024
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



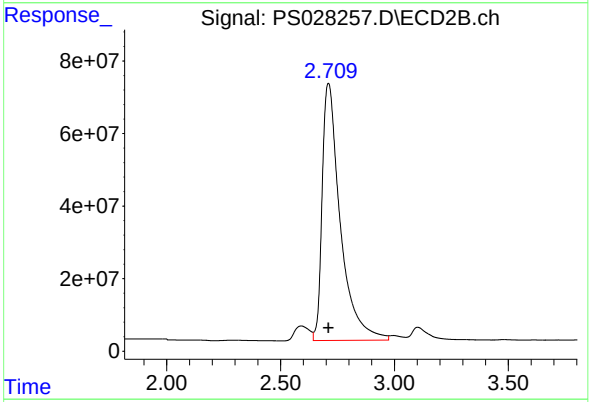




#1 Dalapon

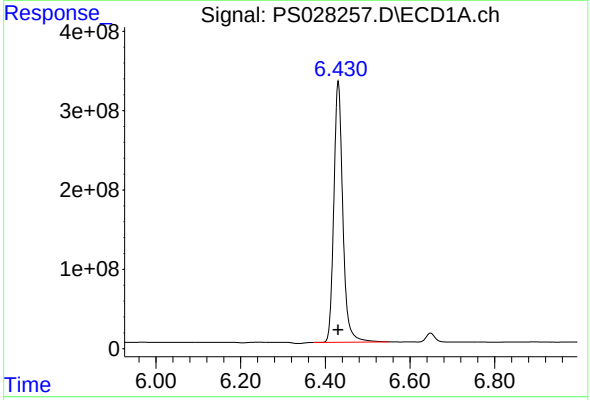
R.T.: 2.654 min
Delta R.T.: 0.000 min
Response: 4981844193
Conc: 1399.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



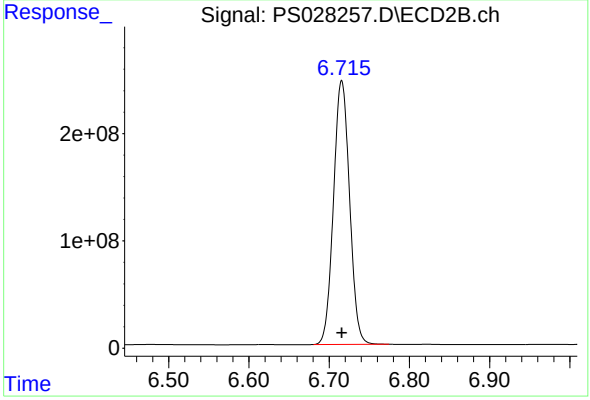
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.000 min
Response: 3925150144
Conc: 1333.95 ng/ml



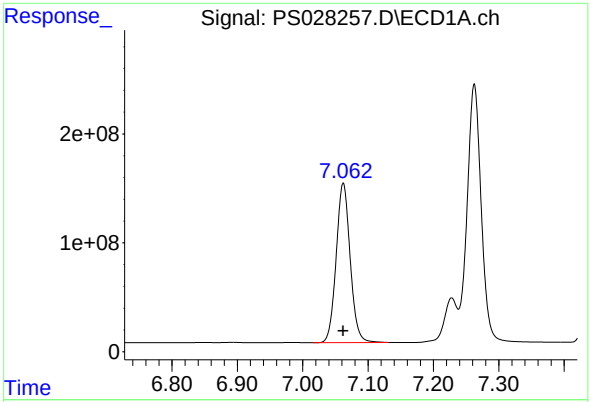
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min
Delta R.T.: 0.000 min
Response: 4846401815
Conc: 1292.79 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

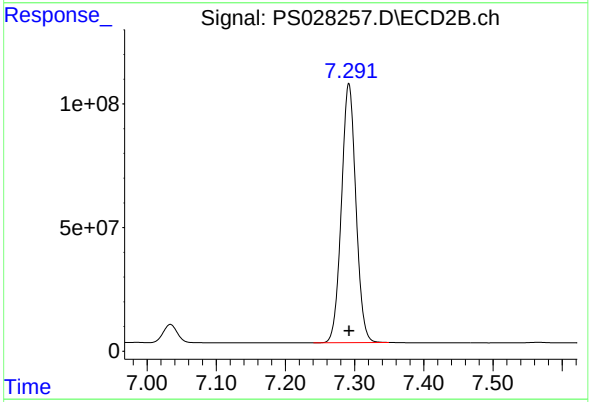
R.T.: 6.716 min
Delta R.T.: 0.000 min
Response: 3424545098
Conc: 1353.09 ng/ml



#3 4-Nitrophenol

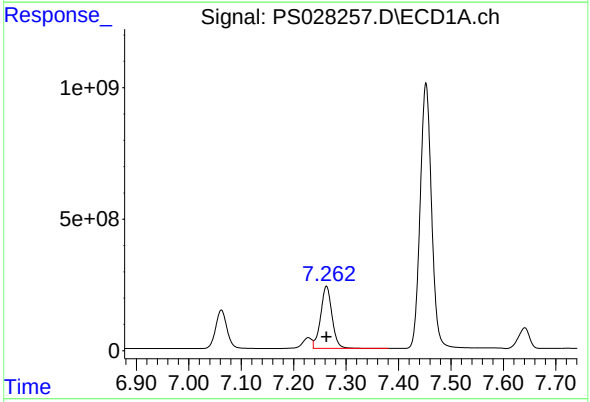
R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 2179767492
Conc: 1323.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



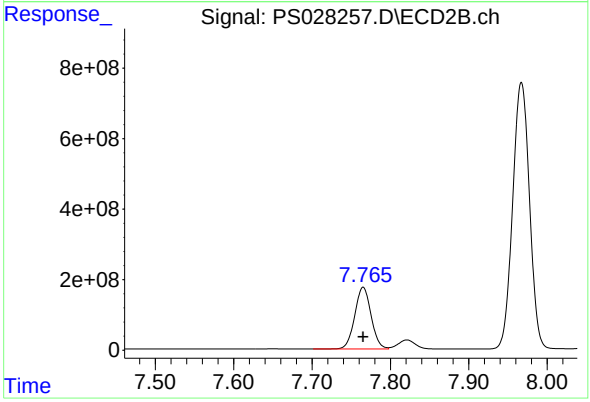
#3 4-Nitrophenol

R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 1521860603
Conc: 1328.04 ng/ml



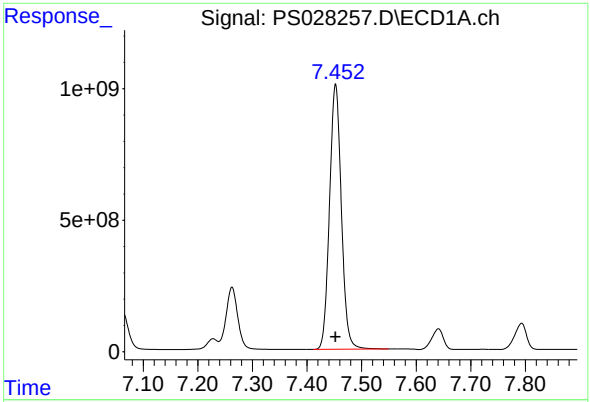
#4 2,4-DCAA

R.T.: 7.263 min
Delta R.T.: 0.000 min
Response: 3578703087
Conc: 1397.16 ng/ml



#4 2,4-DCAA

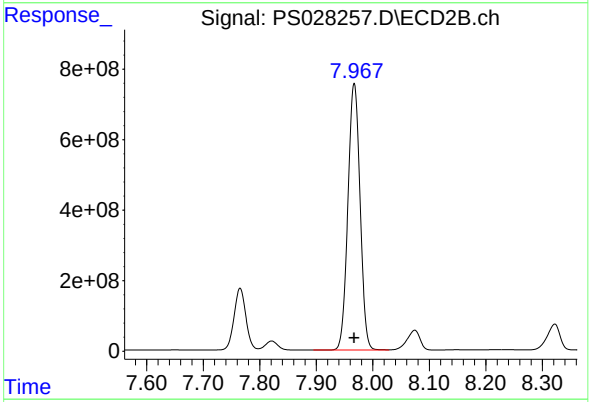
R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 2534730333
Conc: 1455.25 ng/ml



#5 DICAMBA

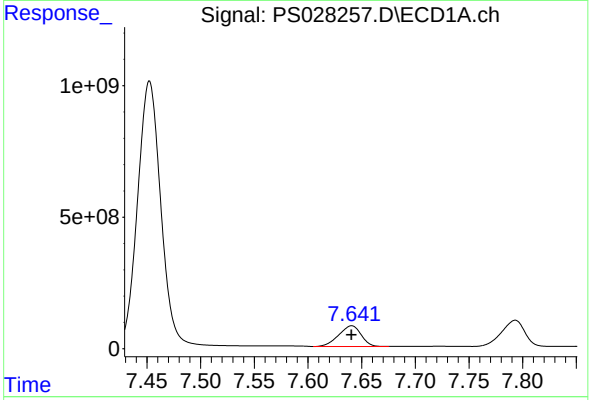
R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 15172024677
Conc: 1351.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



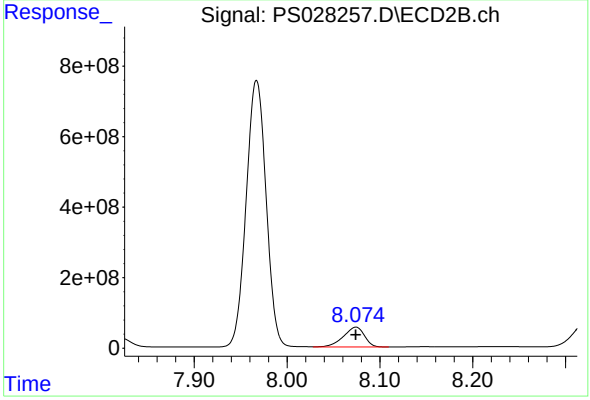
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 11276170560
Conc: 1403.81 ng/ml



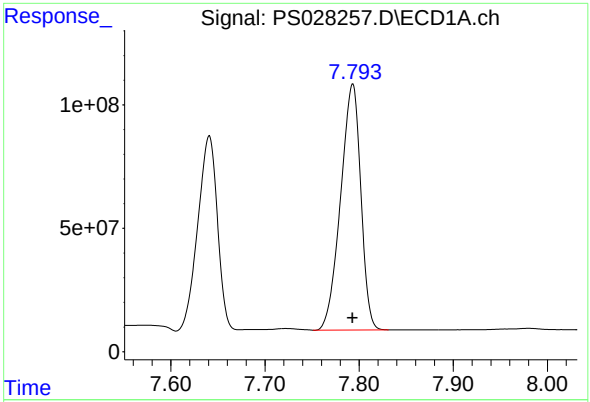
#6 MCPP

R.T.: 7.641 min
Delta R.T.: 0.000 min
Response: 1146849642
Conc: 151.25 ug/ml



#6 MCPP

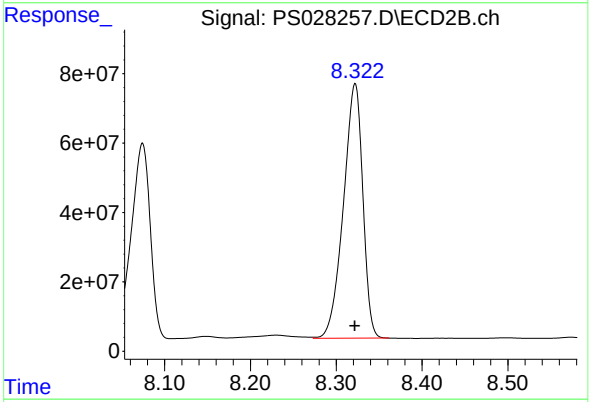
R.T.: 8.074 min
Delta R.T.: 0.000 min
Response: 885195032
Conc: 145.80 ug/ml



#7 MCPA

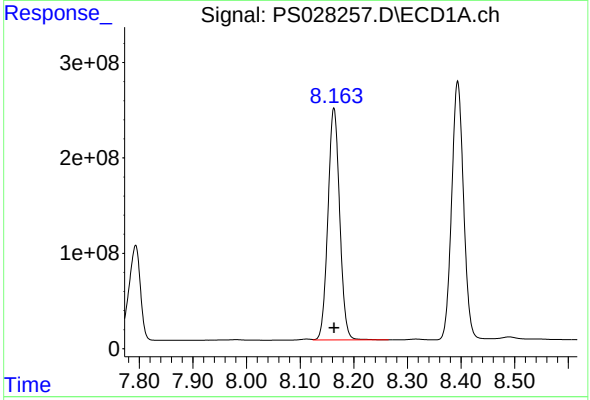
R.T.: 7.793 min
Delta R.T.: 0.000 min
Response: 1484149128
Conc: 142.55 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



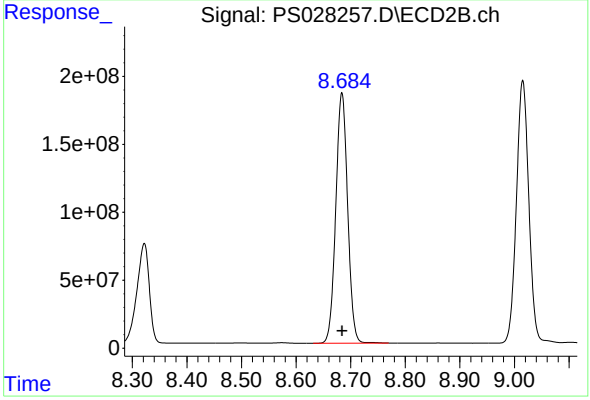
#7 MCPA

R.T.: 8.322 min
Delta R.T.: 0.000 min
Response: 1151673451
Conc: 138.11 ug/ml



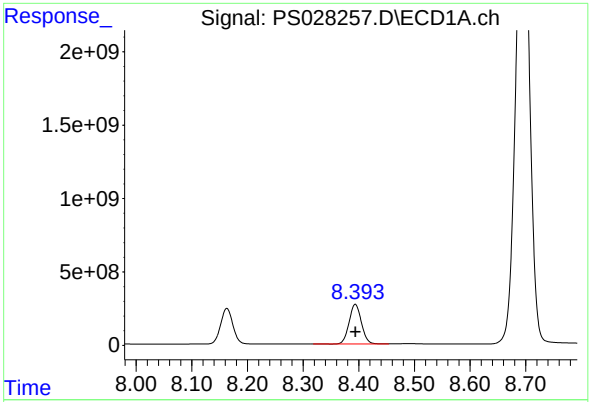
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: 0.000 min
Response: 3704424187
Conc: 1313.96 ng/ml



#8 DICHLORPROP

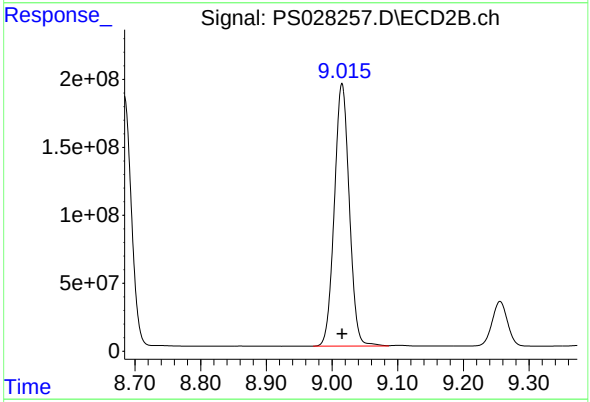
R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 2778858399
Conc: 1383.04 ng/ml



#9 2,4-D

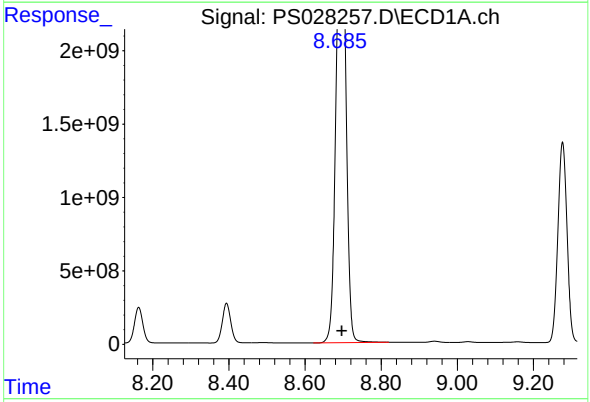
R.T.: 8.394 min
Delta R.T.: 0.000 min
Response: 4151533449
Conc: 1315.40 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



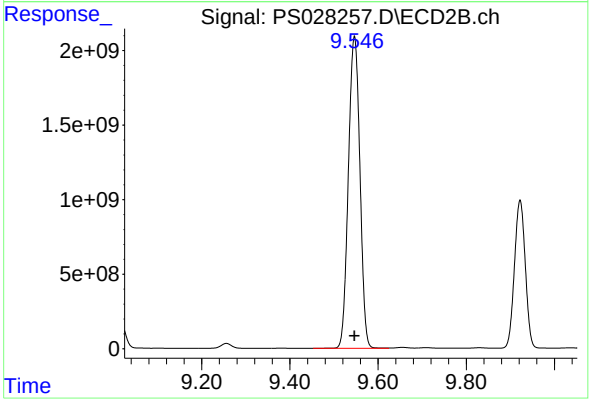
#9 2,4-D

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 3055874957
Conc: 1370.26 ng/ml



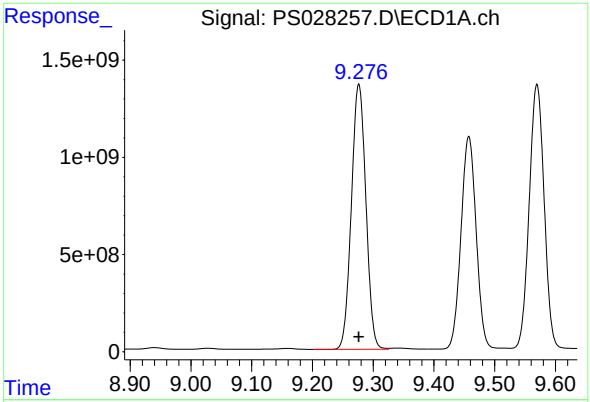
#10 Pentachlorophenol

R.T.: 8.696 min
Delta R.T.: 0.000 min
Response: 47081461391
Conc: 1132.78 ng/ml



#10 Pentachlorophenol

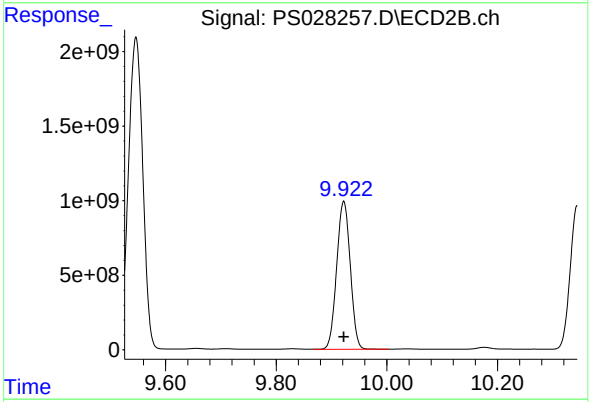
R.T.: 9.546 min
Delta R.T.: 0.000 min
Response: 37948055385
Conc: 1301.16 ng/ml



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

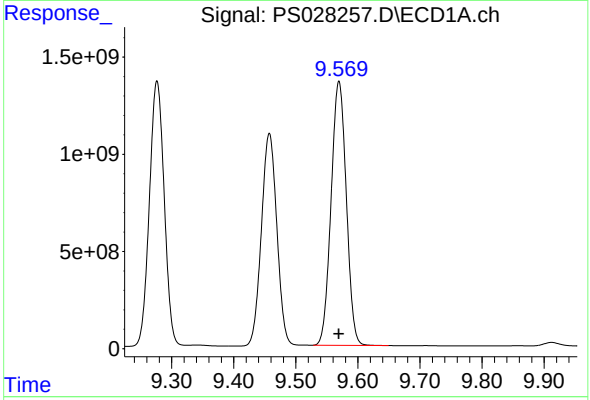
R.T.: 9.276 min
Delta R.T.: 0.000 min
Response: 22578281267
Conc: 1326.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



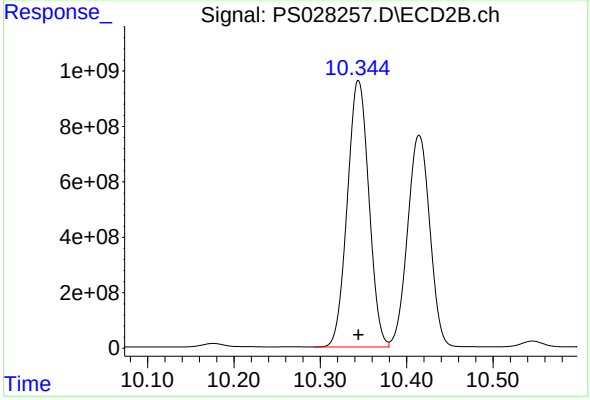
#11 2,4,5-TP (SILVEX)

R.T.: 9.922 min
Delta R.T.: 0.000 min
Response: 16928552391
Conc: 1360.52 ng/ml



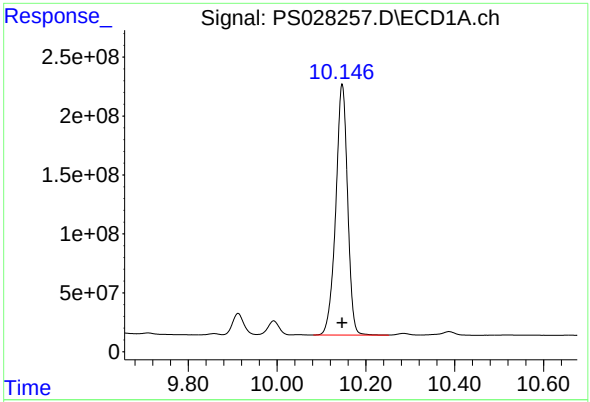
#12 2,4,5-T

R.T.: 9.570 min
Delta R.T.: 0.000 min
Response: 23100928914
Conc: 1332.58 ng/ml



#12 2,4,5-T

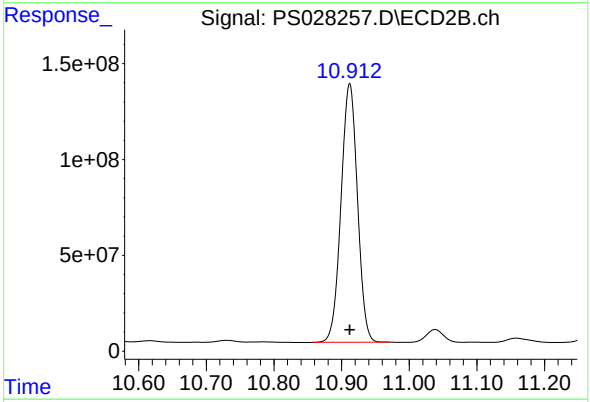
R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 16657568418
Conc: 1357.94 ng/ml



#13 2,4-DB

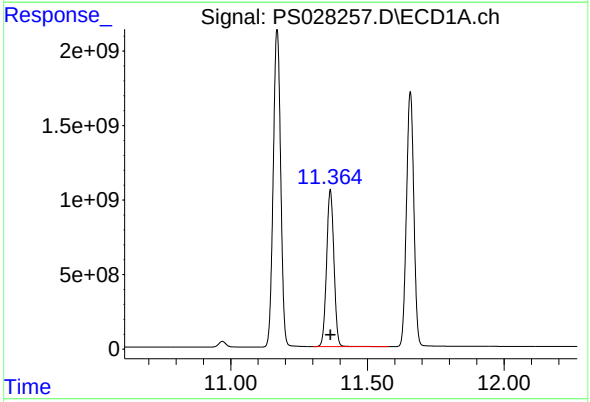
R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 3937445876
Conc: 1393.03 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



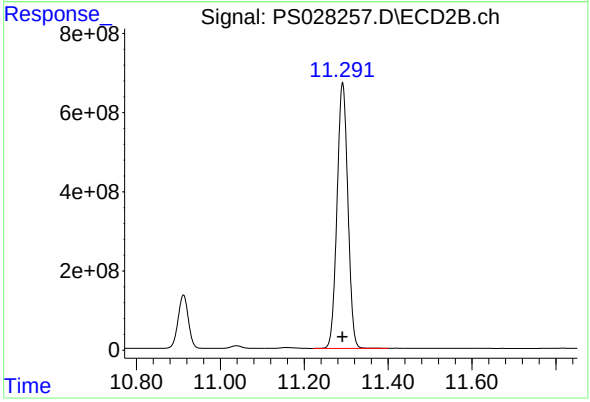
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 2277836917
Conc: 1437.21 ng/ml



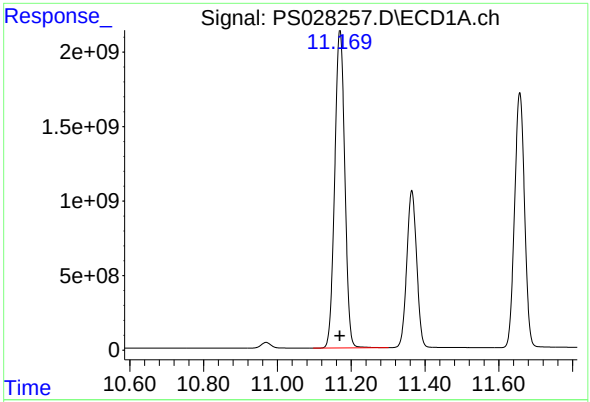
#14 DINOSEB

R.T.: 11.364 min
Delta R.T.: 0.000 min
Response: 19623893929
Conc: 1357.21 ng/ml



#14 DINOSEB

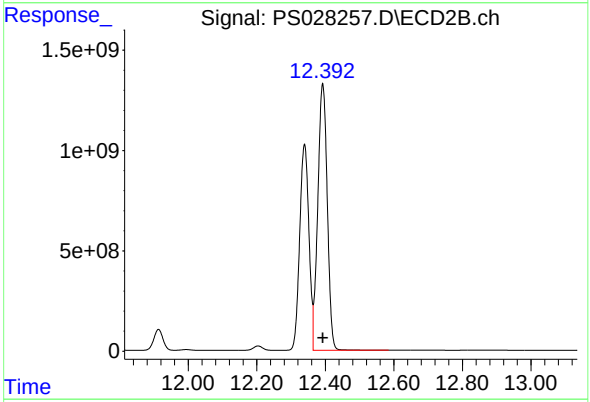
R.T.: 11.291 min
Delta R.T.: 0.000 min
Response: 11997120276
Conc: 1375.56 ng/ml



#15 Picloram

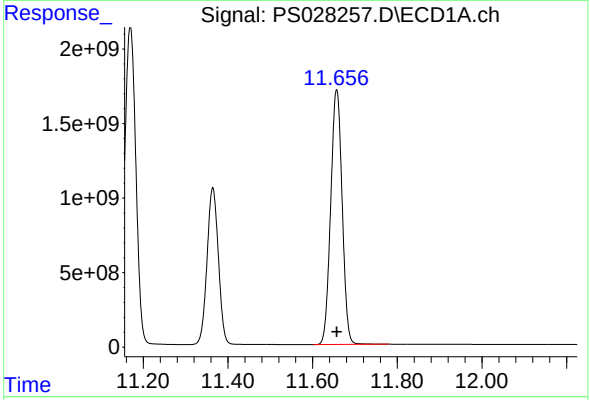
R.T.: 11.169 min
Delta R.T.: 0.000 min
Response: 40302344891
Conc: 1389.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



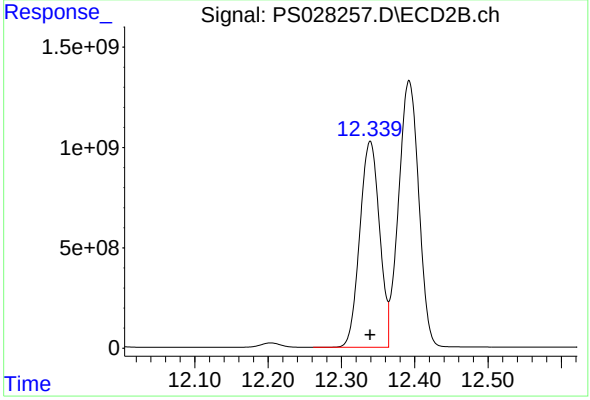
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.000 min
Response: 25436358300
Conc: 1410.61 ng/ml



#16 DCPA

R.T.: 11.657 min
Delta R.T.: 0.000 min
Response: 32077605577
Conc: 1350.11 ng/ml



#16 DCPA

R.T.: 12.339 min
Delta R.T.: 0.000 min
Response: 19195123291
Conc: 1370.05 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:48
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 12:11:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.262	7.765	1909.2E6	1293.6E6	745.363m	742.673
	Target Compounds						
1) T	Dalapon	2.654	2.709	2373.4E6	1927.9E6	666.847	655.176
2) T	3,5-DICHL...	6.430	6.715	2570.6E6	1755.0E6	685.711	693.418
3) T	4-Nitroph...	7.062	7.292	1107.2E6	767.5E6	672.021	669.796
5) T	DICAMBA	7.452	7.967	7889.1E6	5731.6E6	702.591	713.550
6) T	MCPP	7.636	8.068	542.8E6	432.6E6	71.588	71.259
7) T	MCPA	7.786	8.314	725.3E6	577.6E6	69.669	69.262
8) T	DICHLORPROP	8.163	8.684	1952.7E6	1408.3E6	692.610	700.894
9) T	2,4-D	8.394	9.015	2195.2E6	1559.6E6	695.547	699.350
10) T	Pentachlo...	8.694	9.546	30589.2E6	20926.4E6	735.976	717.525
11) T	2,4,5-TP ...	9.277	9.922	12149.8E6	8927.5E6	713.618	717.488
12) T	2,4,5-T	9.570	10.344	12376.6E6	8776.4E6	713.944	715.459
13) T	2,4-DB	10.147	10.912	2007.4E6	1125.1E6	710.202	709.878
14) T	DINOSEB	11.365	11.291	10291.5E6	6191.3E6	711.775	709.875
15) T	Picloram	11.170	12.392	20981.7E6	13132.8E6	723.535	728.298
16) T	DCPA	11.657	12.338	17237.5E6	10137.8E6	725.504	723.586

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

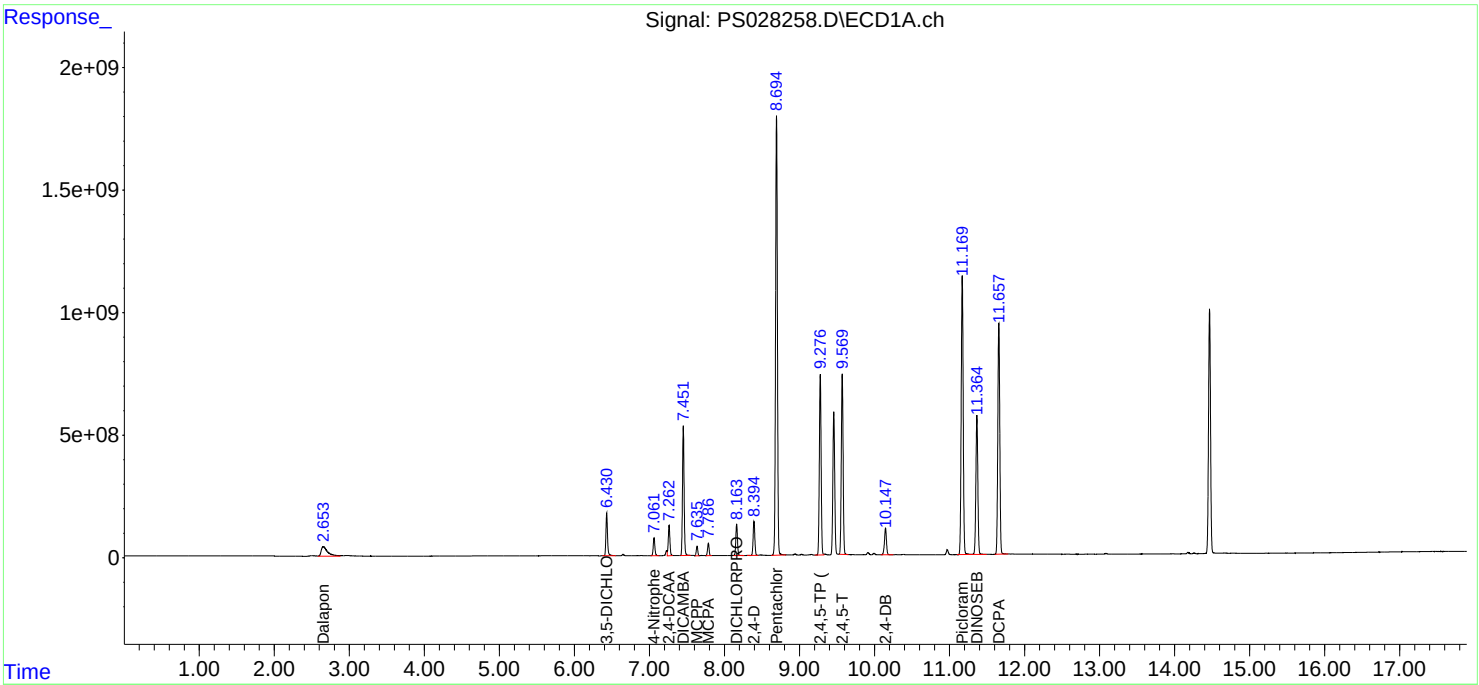
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028258.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 11:48
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

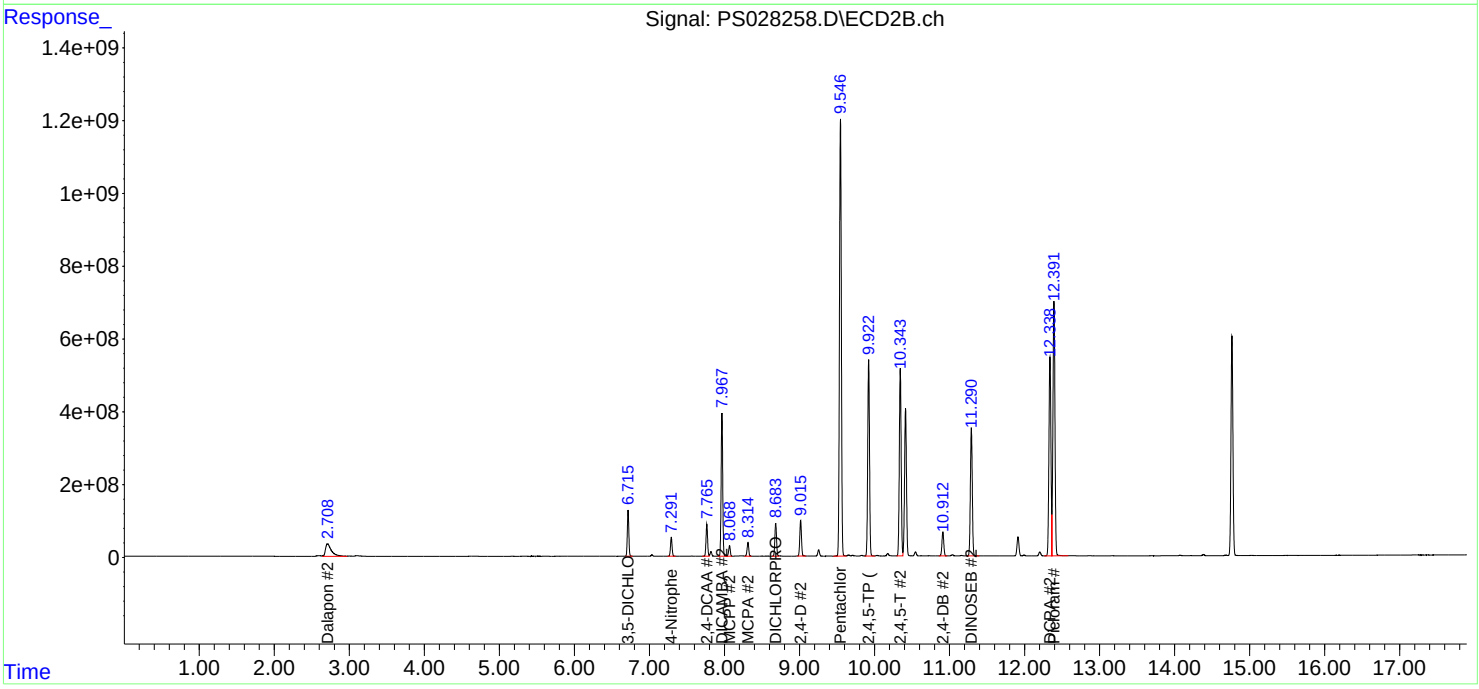
Instrument :
ECD_S
ClientSampleId :
ICVPS110624

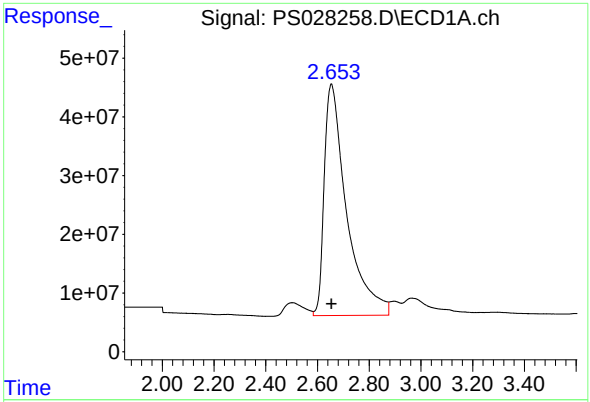
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 12:11:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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 0.25µm







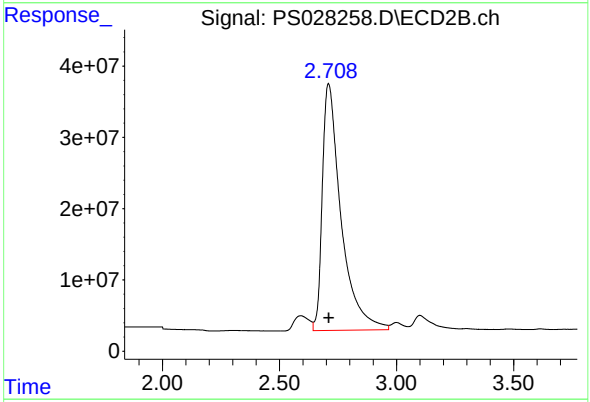
#1 Dalapon

R.T.: 2.654 min
Delta R.T.: 0.000 min
Response: 2373437505
Conc: 666.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

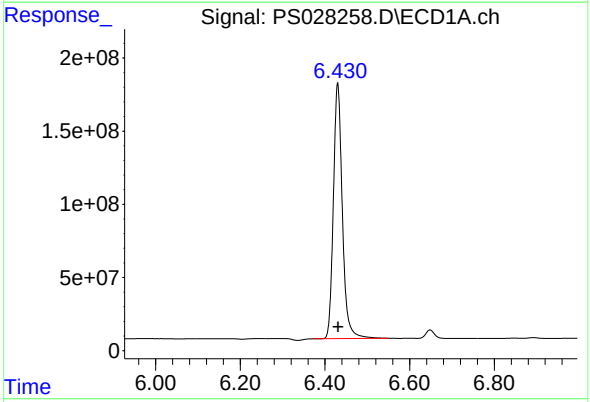
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



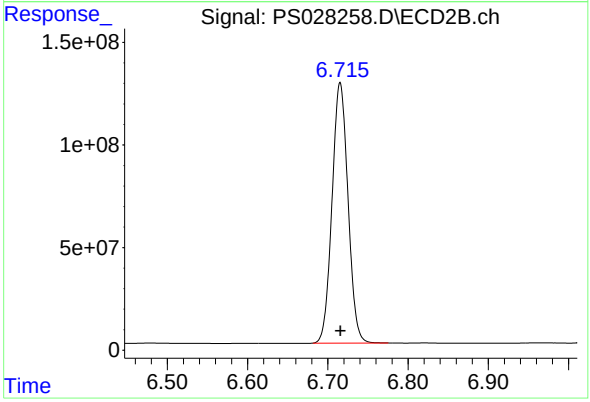
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 1927851748
Conc: 655.18 ng/ml



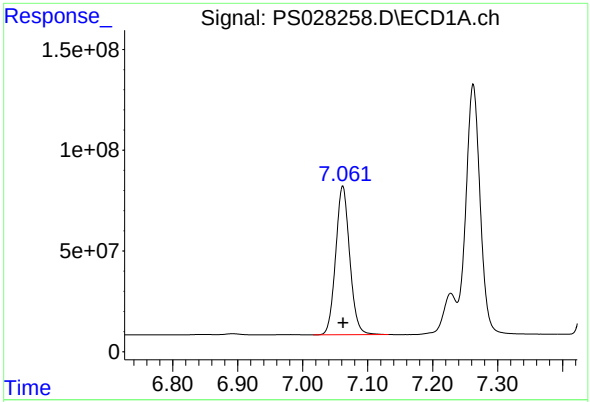
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.430 min
Delta R.T.: 0.000 min
Response: 2570578935
Conc: 685.71 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.715 min
Delta R.T.: 0.000 min
Response: 1754975997
Conc: 693.42 ng/ml



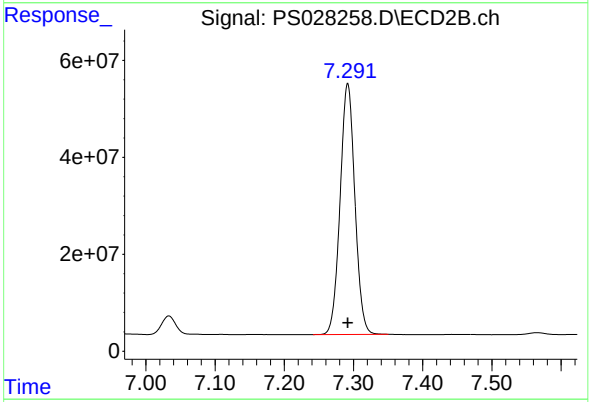
#3 4-Nitrophenol

R.T.: 7.062 min
Delta R.T.: 0.000 min
Response: 1107199097
Conc: 672.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

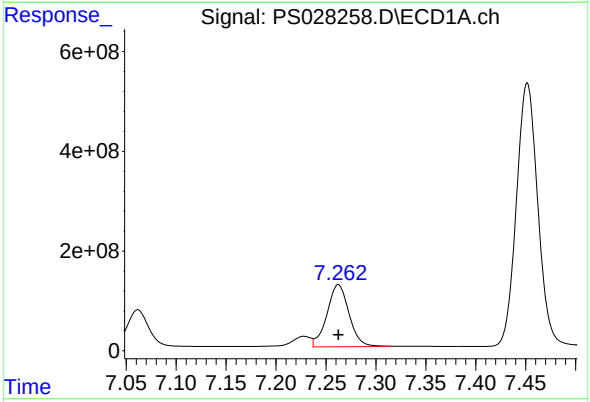
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



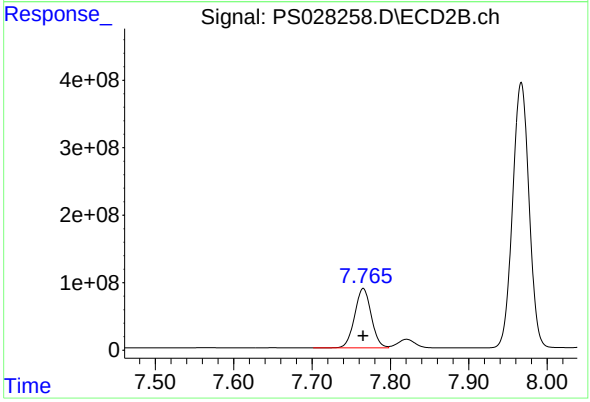
#3 4-Nitrophenol

R.T.: 7.292 min
Delta R.T.: 0.000 min
Response: 767549713
Conc: 669.80 ng/ml



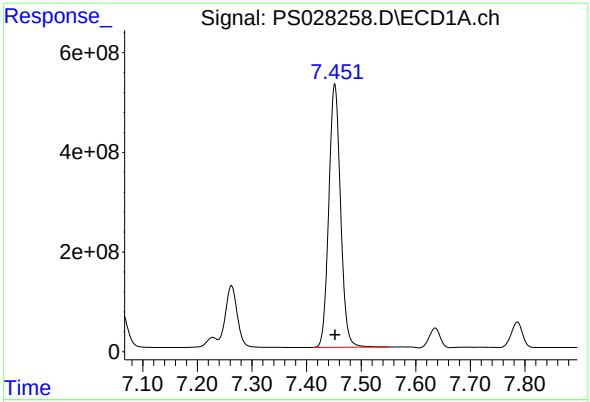
#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1909182866
Conc: 745.36 ng/ml m



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: 0.000 min
Response: 1293573737
Conc: 742.67 ng/ml



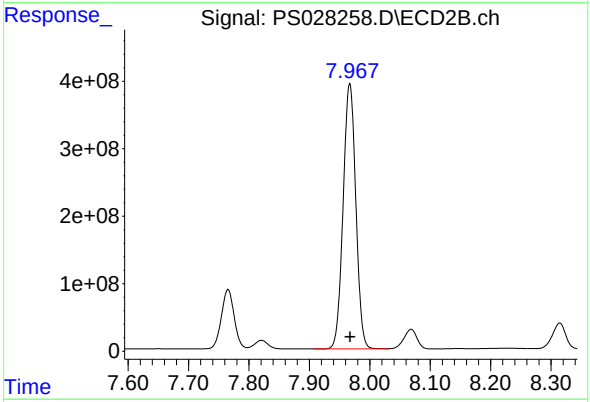
#5 DICAMBA

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 7889067087
Conc: 702.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

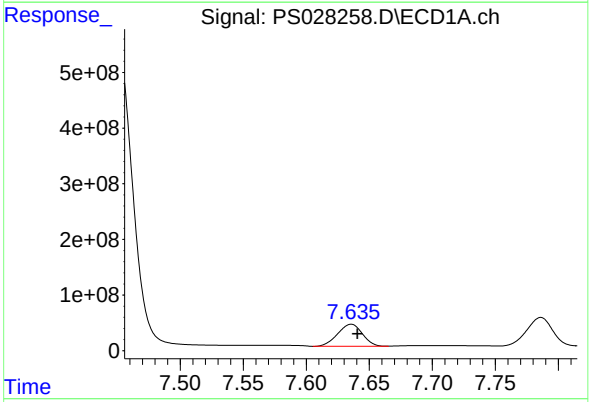
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



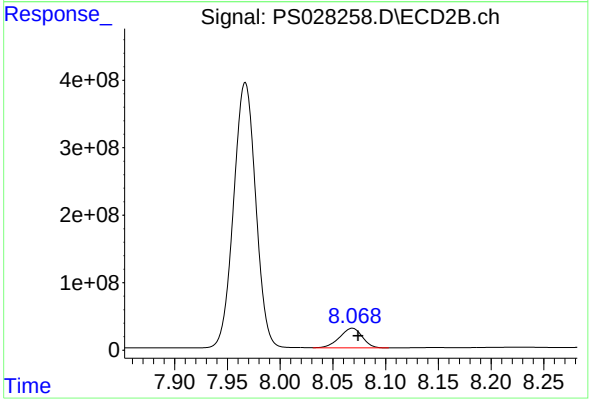
#5 DICAMBA

R.T.: 7.967 min
Delta R.T.: 0.000 min
Response: 5731636475
Conc: 713.55 ng/ml



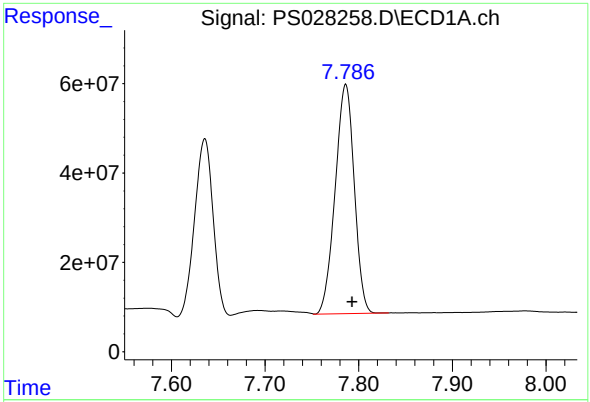
#6 MCPP

R.T.: 7.636 min
Delta R.T.: -0.005 min
Response: 542815400
Conc: 71.59 ug/ml



#6 MCPP

R.T.: 8.068 min
Delta R.T.: -0.006 min
Response: 432634547
Conc: 71.26 ug/ml



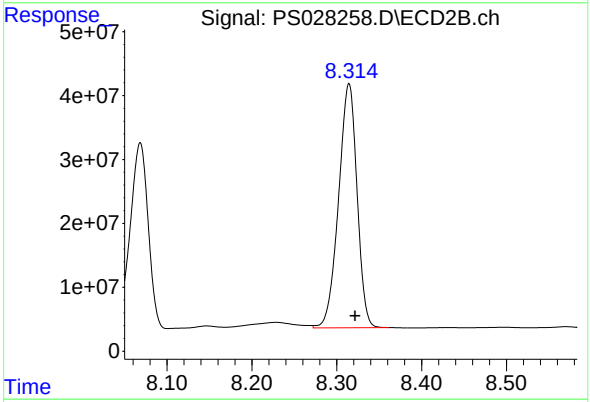
#7 MCPA

R.T.: 7.786 min
Delta R.T.: -0.007 min
Response: 725334951
Conc: 69.67 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

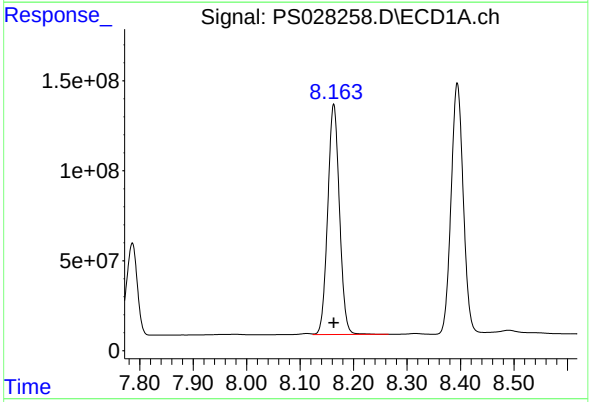
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



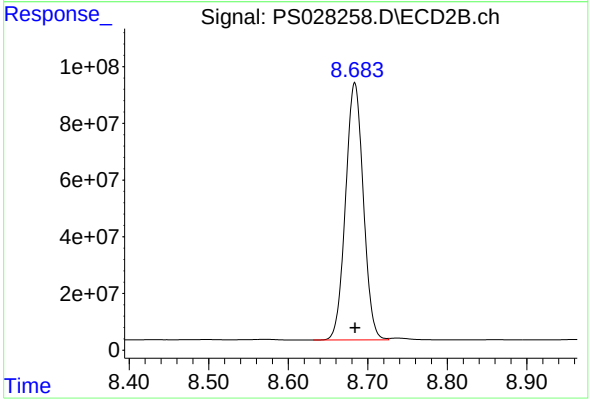
#7 MCPA

R.T.: 8.314 min
Delta R.T.: -0.007 min
Response: 577550521
Conc: 69.26 ug/ml



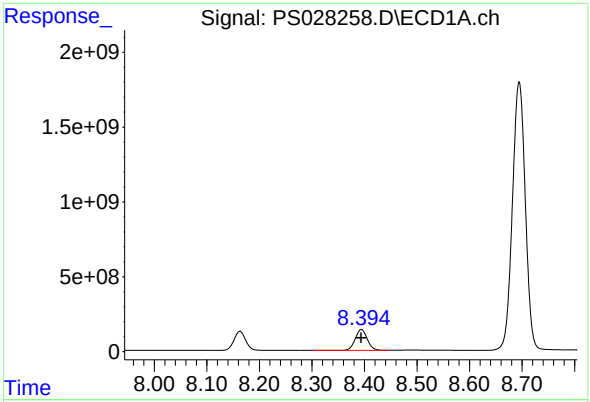
#8 DICHLORPROP

R.T.: 8.163 min
Delta R.T.: 0.000 min
Response: 1952660519
Conc: 692.61 ng/ml



#8 DICHLORPROP

R.T.: 8.684 min
Delta R.T.: 0.000 min
Response: 1408266062
Conc: 700.89 ng/ml



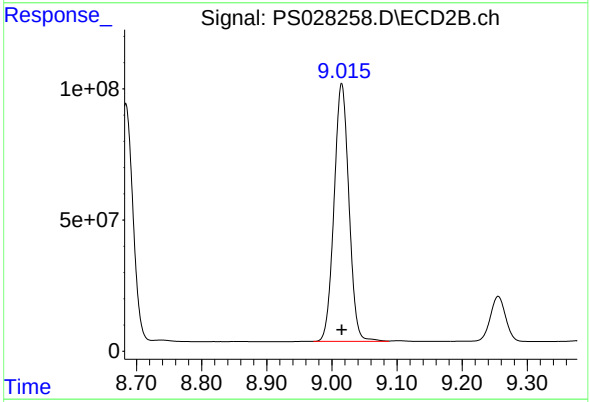
#9 2,4-D

R.T.: 8.394 min
Delta R.T.: 0.000 min
Response: 2195223158
Conc: 695.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

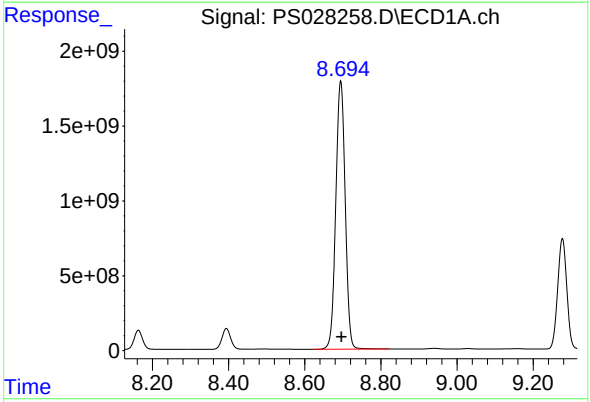
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



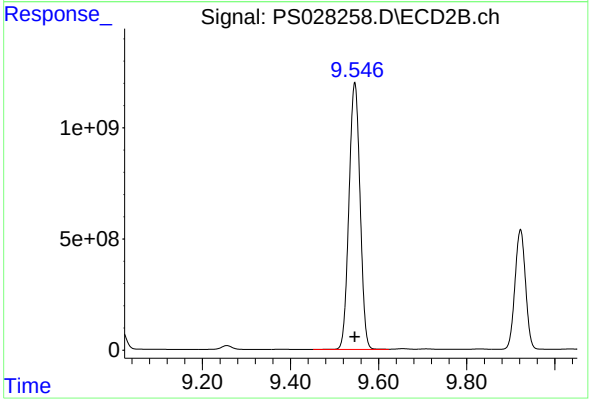
#9 2,4-D

R.T.: 9.015 min
Delta R.T.: 0.000 min
Response: 1559648407
Conc: 699.35 ng/ml



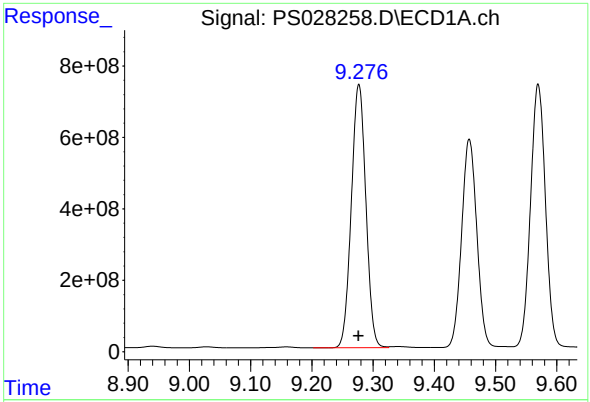
#10 Pentachlorophenol

R.T.: 8.694 min
Delta R.T.: -0.002 min
Response: 30589152356
Conc: 735.98 ng/ml



#10 Pentachlorophenol

R.T.: 9.546 min
Delta R.T.: 0.000 min
Response: 20926388934
Conc: 717.52 ng/ml



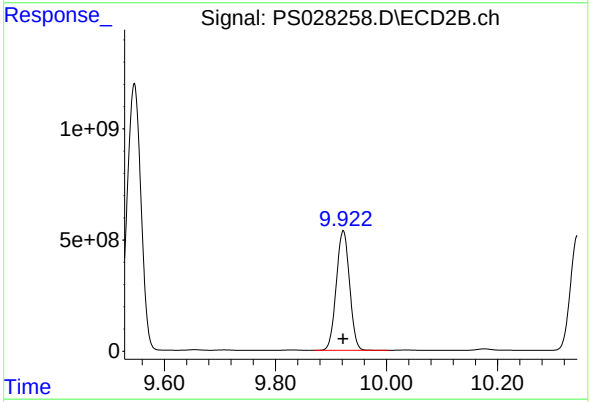
#11 2,4,5-TP (SILVEX)

R.T.: 9.277 min
Delta R.T.: 0.000 min
Response: 12149790397
Conc: 713.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

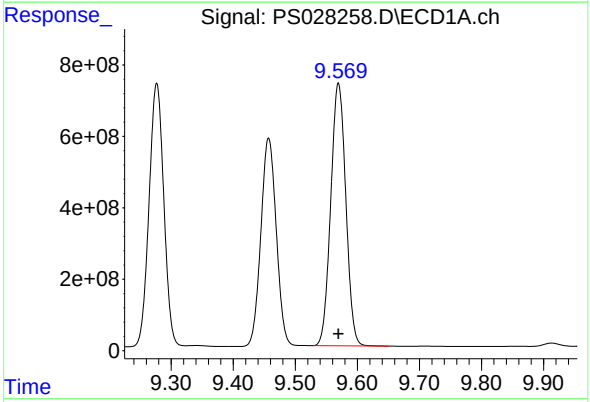
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



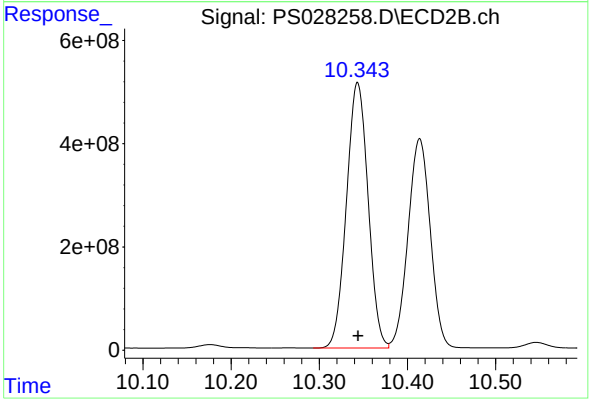
#11 2,4,5-TP (SILVEX)

R.T.: 9.922 min
Delta R.T.: 0.000 min
Response: 8927486585
Conc: 717.49 ng/ml



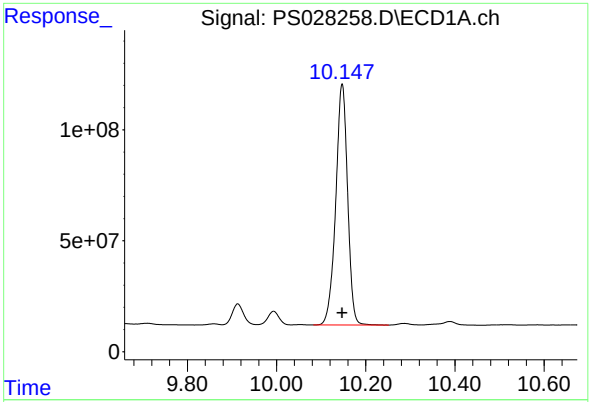
#12 2,4,5-T

R.T.: 9.570 min
Delta R.T.: 0.000 min
Response: 12376586172
Conc: 713.94 ng/ml



#12 2,4,5-T

R.T.: 10.344 min
Delta R.T.: 0.000 min
Response: 8776384079
Conc: 715.46 ng/ml



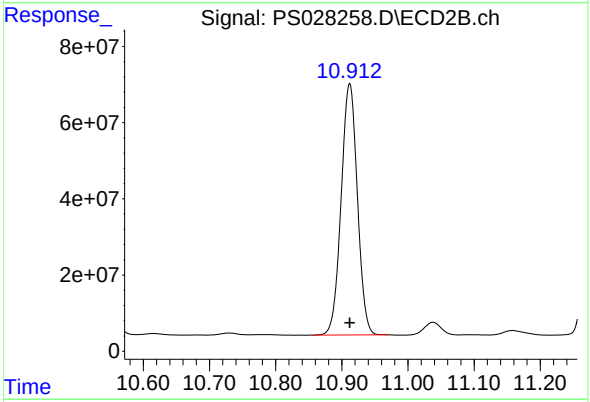
#13 2,4-DB

R.T.: 10.147 min
Delta R.T.: 0.000 min
Response: 2007409621
Conc: 710.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

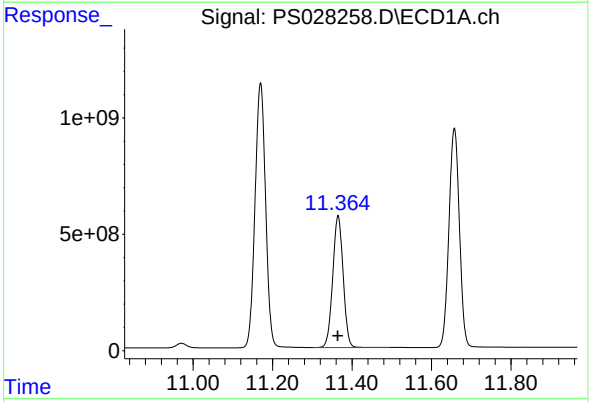
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



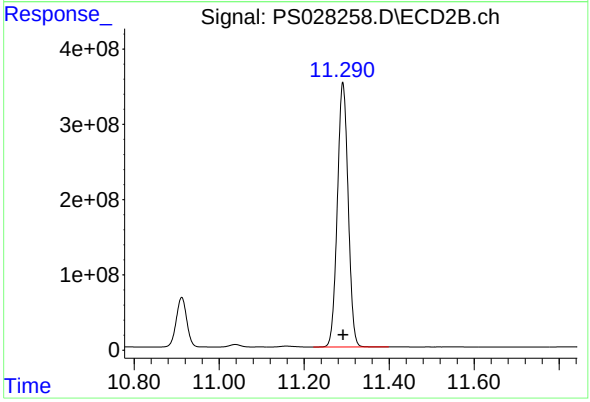
#13 2,4-DB

R.T.: 10.912 min
Delta R.T.: 0.000 min
Response: 1125084734
Conc: 709.88 ng/ml



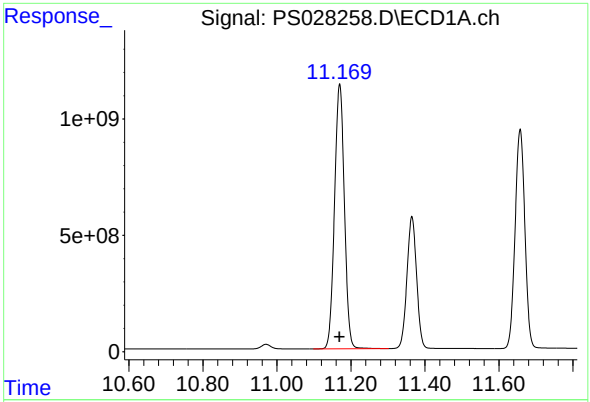
#14 DINOSEB

R.T.: 11.365 min
Delta R.T.: 0.000 min
Response: 10291536668
Conc: 711.78 ng/ml



#14 DINOSEB

R.T.: 11.291 min
Delta R.T.: 0.000 min
Response: 6191285946
Conc: 709.88 ng/ml



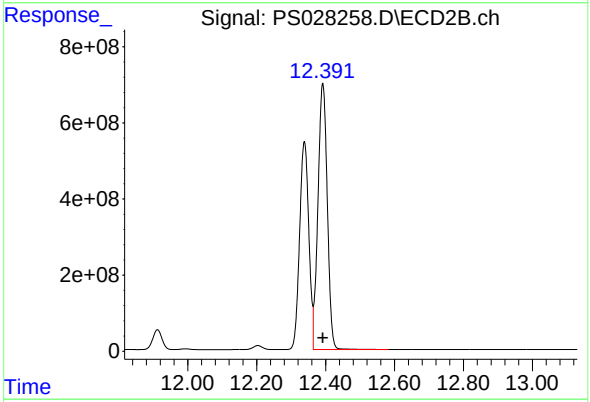
#15 Picloram

R.T.: 11.170 min
Delta R.T.: 0.000 min
Response: 20981716114
Conc: 723.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110624

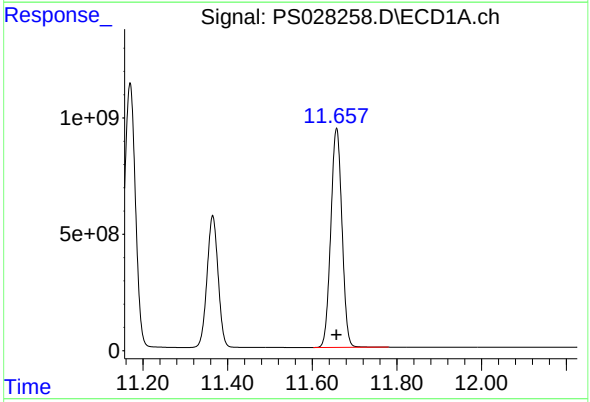
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



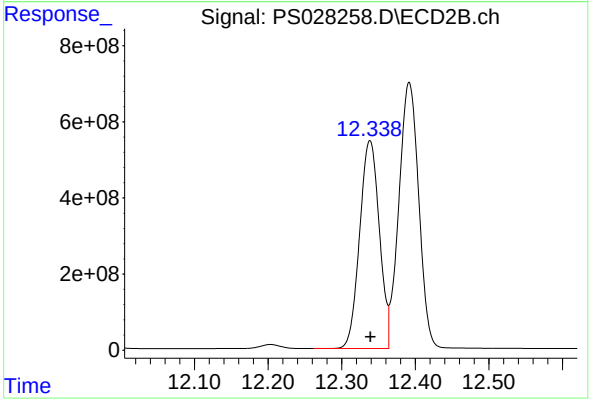
#15 Picloram

R.T.: 12.392 min
Delta R.T.: 0.000 min
Response: 13132787505
Conc: 728.30 ng/ml



#16 DCPA

R.T.: 11.657 min
Delta R.T.: 0.000 min
Response: 17237460769
Conc: 725.50 ng/ml



#16 DCPA

R.T.: 12.338 min
Delta R.T.: 0.000 min
Response: 10137797130
Conc: 723.59 ng/ml

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Fax : 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	9.55	9.56	9.55	9.55	9.55	9.55	9.45	9.65
2,4,5-TP(Silvex)	9.26	9.26	9.26	9.26	9.26	9.26	9.16	9.36
2,4-D	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
2,4-DB	10.13	10.13	10.13	10.13	10.13	10.13	10.03	10.23
2,4-DCAA	7.25	7.25	7.25	7.25	7.25	7.25	7.15	7.35
DICAMBA	7.44	7.44	7.44	7.44	7.44	7.44	7.34	7.54
DICHLORPROP	8.15	8.15	8.15	8.15	8.15	8.15	8.05	8.25
Dinoseb	11.35	11.35	11.35	11.35	11.35	11.35	11.25	11.45

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RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: RT 200 = PS028356.D RT 500 = PS028357.D

RT 750 = PS028358.D RT 1000 = PS028359.D RT 1500 = PS028360.D

COMPOUND	RT 200	RT 500	RT 750	RT 1000	RT 1500	MEAN RT	RT WINDOW FROM	RT WINDOW TO
2,4,5-T	10.33	10.33	10.33	10.33	10.33	10.33	10.23	10.43
2,4,5-TP(Silvex)	9.91	9.91	9.91	9.91	9.91	9.91	9.81	10.01
2,4-D	9.01	9.00	9.01	9.01	9.01	9.00	8.90	9.10
2,4-DB	10.90	10.90	10.90	10.90	10.90	10.90	10.80	11.00
2,4-DCAA	7.76	7.75	7.76	7.76	7.76	7.75	7.65	7.85
DICAMBA	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
DICHLORPROP	8.67	8.67	8.67	8.67	8.67	8.67	8.57	8.77
Dinoseb	11.28	11.28	11.28	11.28	11.28	11.28	11.18	11.38

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: CF 200 = PS028356.D CF 500 = PS028357.D

CF 750 = PS028358.D CF 1000 = PS028359.D CF 1500 = PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	21529100000	19437000000	19525400000	18705500000	17708000000	19381000000	7
2,4,5-TP(Silvex)	21008200000	18982300000	19068100000	18267500000	17318700000	18929000000	7
2,4-D	3997770000	3571450000	3468690000	3334460000	3198650000	3514210000	9
2,4-DB	3352010000	3027230000	3093110000	3022410000	2959650000	3090880000	5
2,4-DCAA	3196830000	2740430000	2735520000	2619650000	2511350000	2760750000	9
DICAMBA	12975400000	11905100000	12166500000	11780900000	11375900000	12040700000	5
DICHLORPROP	3557350000	3056940000	3079000000	2957460000	2847450000	3099640000	9
Dinoseb	17552800000	16349100000	16308600000	15784700000	15071600000	16213400000	6

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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Instrument ID: ECD_S **Calibration Date(s):** 11/08/2024 11/08/2024

Calibration Times: 15:13 16:58

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

LAB FILE ID: **CF 200 =** PS028356.D **CF 500 =** PS028357.D

CF 750 = PS028358.D **CF 1000 =** PS028359.D **CF 1500 =** PS028360.D

COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10782600000	10407300000	10530200000	10245600000	9914510000	10376000000	3
2,4,5-TP(Silvex)	10970300000	10612300000	10768700000	10478800000	10130800000	10592200000	3
2,4-D	2051780000	1901200000	1935300000	1900220000	1880580000	1933820000	4
2,4-DB	1351580000	1287180000	1335670000	1323760000	1328210000	1325280000	2
2,4-DCAA	1694540000	1575990000	1595150000	1561040000	1540400000	1593420000	4
DICAMBA	7032650000	7044480000	7350350000	7249840000	7170240000	7169510000	2
DICHLORPROP	1864120000	1759800000	1788540000	1754780000	1739090000	1781270000	3
Dinoseb	7376340000	7195700000	7257020000	7126590000	6931080000	7177340000	2

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 15:13
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:44:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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	7.250	7.755	639.4E6	338.9E6	221.163	208.958
	Target Compounds						
1) T	Dalapon	2.649	2.709	639.6E6	535.0E6	180.591	187.020
2) T	3,5-DICHL...	6.419	6.707	834.2E6	459.1E6	199.534	190.228
3) T	4-Nitroph...	7.049	7.282	353.5E6	199.1E6	181.638	178.299
5) T	DICAMBA	7.438	7.956	2439.4E6	1322.1E6	197.536	185.109
6) T	MCPP	7.618	8.055	133.1E6	107.5E6	16.834	18.386
7) T	MCPA	7.767	8.299	198.7E6	158.6E6	17.768	19.466
8) T	DICHLORPROP	8.148	8.674	668.8E6	350.5E6	206.983	194.249
9) T	2,4-D	8.379	9.005	751.6E6	385.7E6	204.272	196.527
10) T	Pentachlo...	8.679	9.534	10049.1E6	5003.0E6	203.477	194.171
11) T	2,4,5-TP ...	9.260	9.911	3991.6E6	2084.4E6	202.759	193.286
12) T	2,4,5-T	9.553	10.333	4090.5E6	2048.7E6	202.864	193.761
13) T	2,4-DB	10.130	10.901	636.9E6	256.8E6	201.708	193.839
14) T	DINOSEB	11.345	11.280	3299.9E6	1386.8E6	197.166	190.583
15) T	Picloram	11.150	12.379	6290.0E6	2627.0E6	195.582	183.908
16) T	DCPA	11.638	12.326	5559.4E6	2181.1E6	199.687	191.134

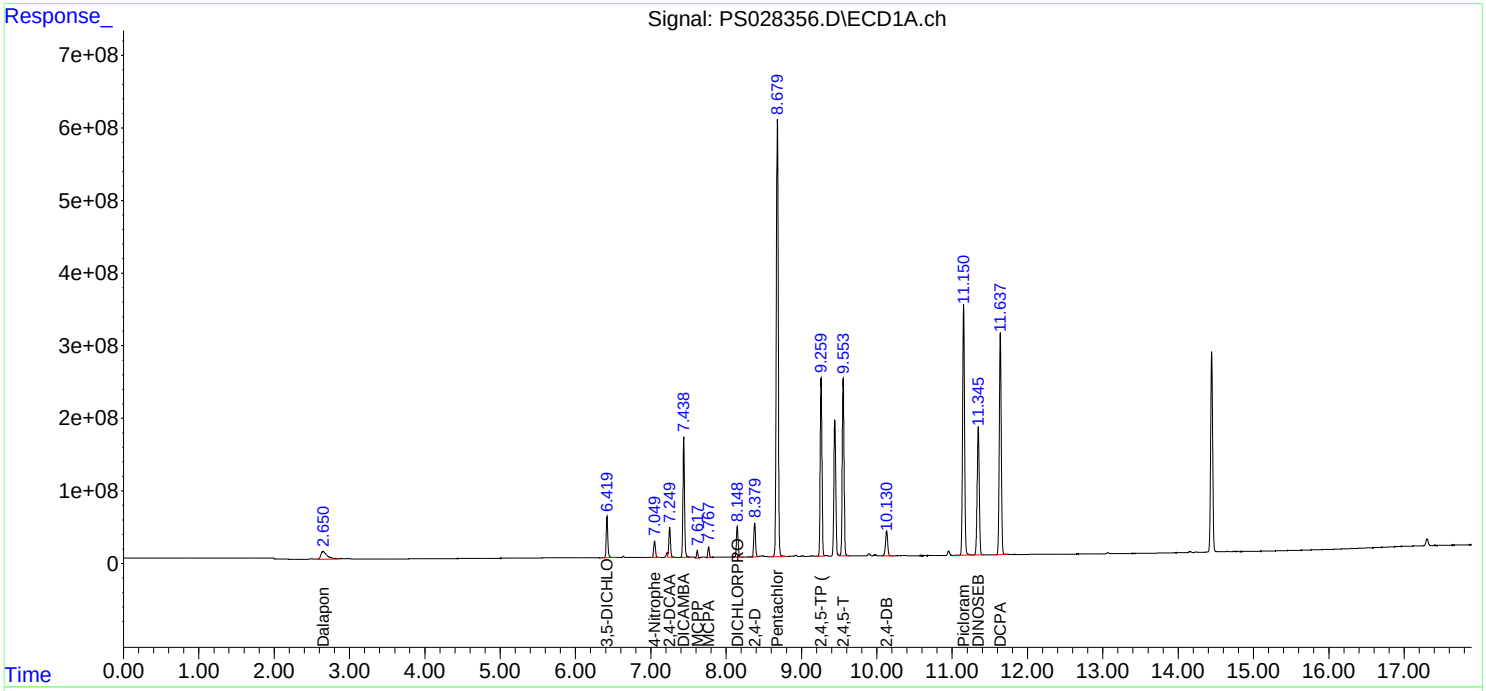
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

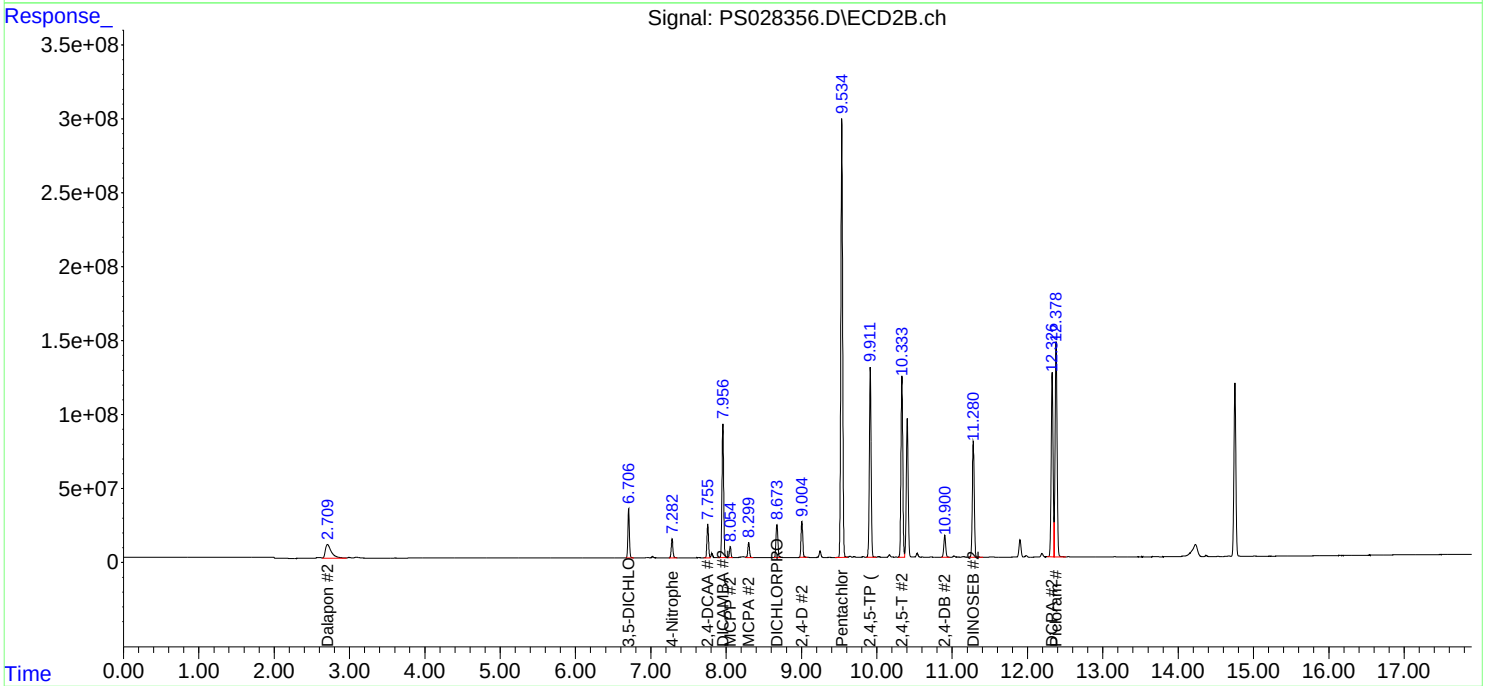
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028356.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 15:13
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 4 Sample Multiplier: 1

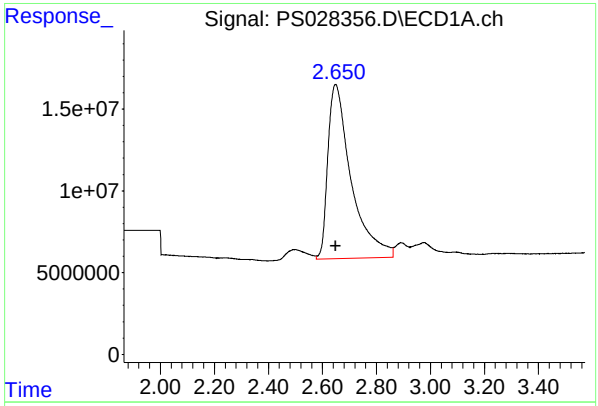
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:44:41 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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



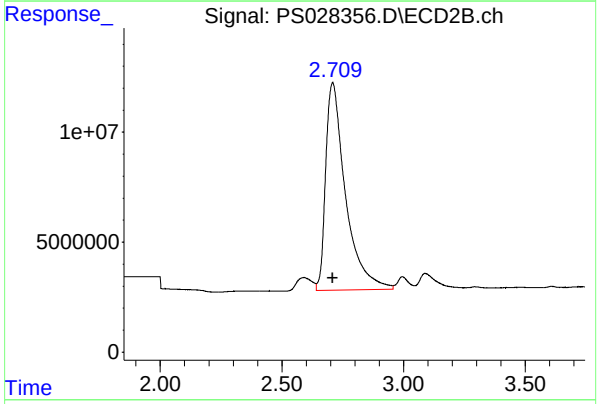




#1 Dalapon

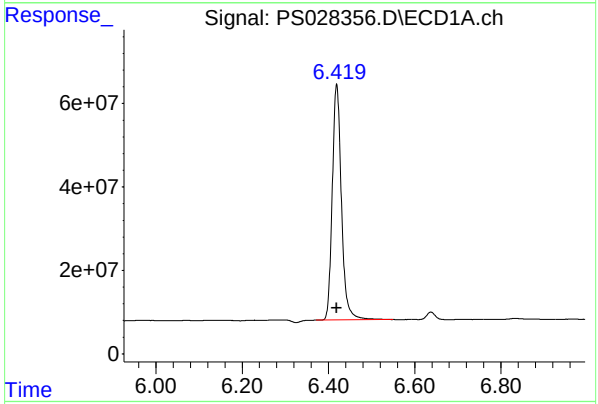
R.T.: 2.649 min
Delta R.T.: 0.000 mi
Response: 639558185
Conc: 180.59 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



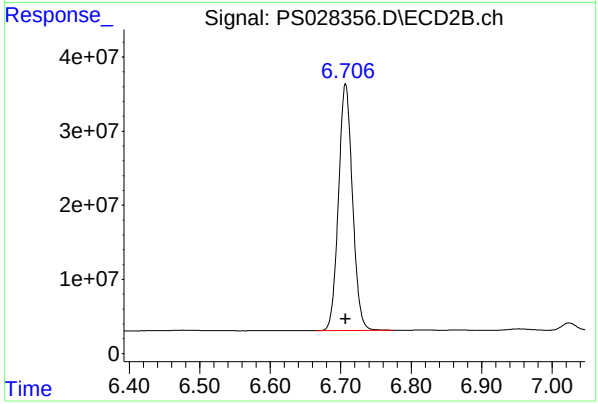
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.000 min
Response: 534952401
Conc: 187.02 ng/ml



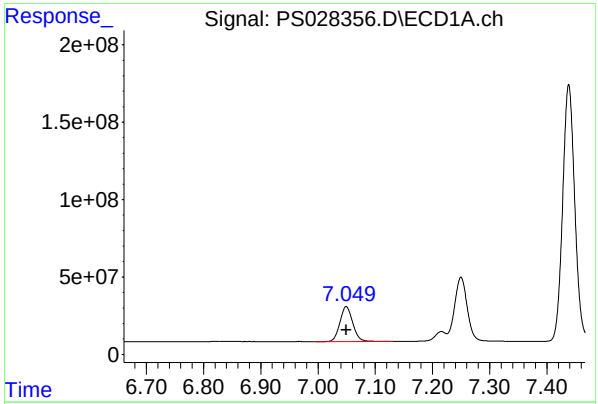
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min
Delta R.T.: 0.000 min
Response: 834151597
Conc: 199.53 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

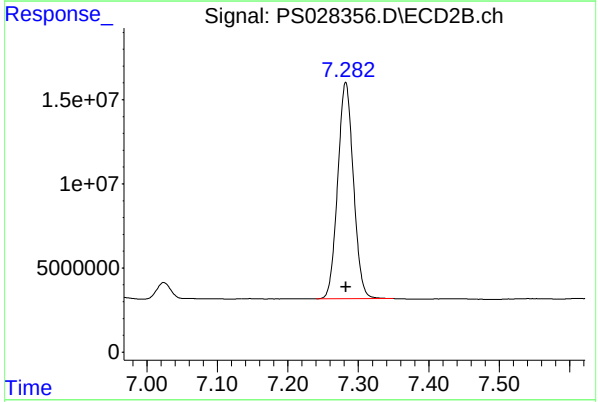
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 459070332
Conc: 190.23 ng/ml



#3 4-Nitrophenol

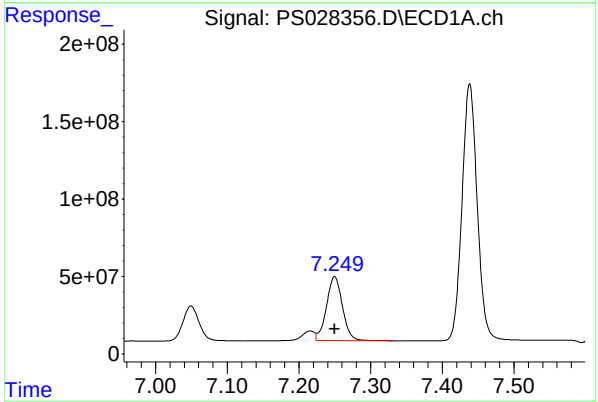
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 353503675
Conc: 181.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



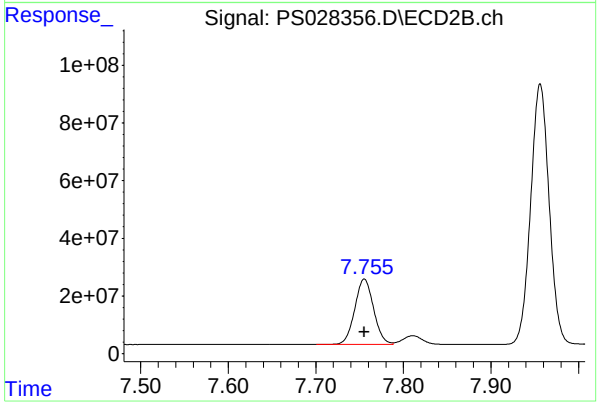
#3 4-Nitrophenol

R.T.: 7.282 min
Delta R.T.: 0.000 min
Response: 199085922
Conc: 178.30 ng/ml



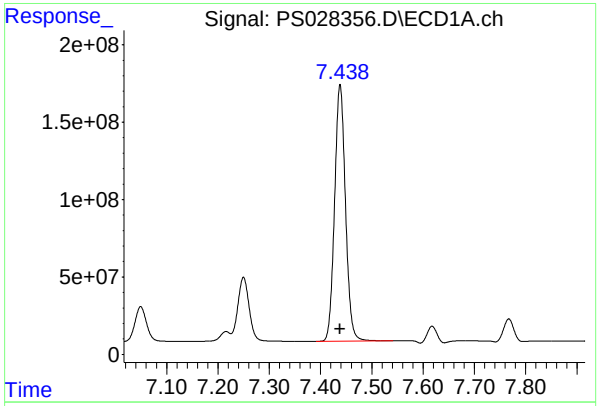
#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 639365498
Conc: 221.16 ng/ml



#4 2,4-DCAA

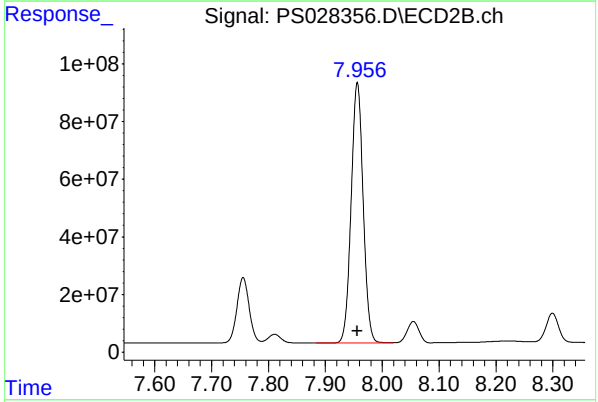
R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 338907721
Conc: 208.96 ng/ml



#5 DICAMBA

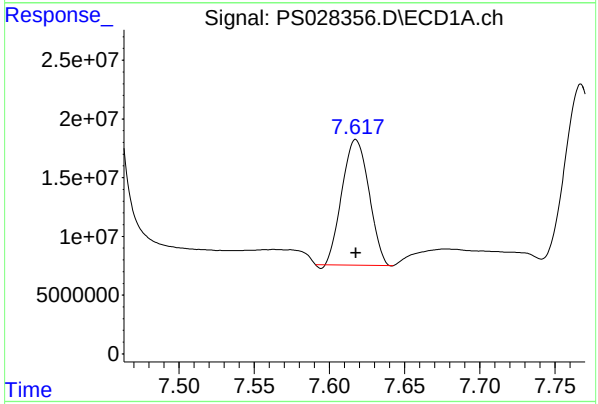
R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 2439369024
Conc: 197.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



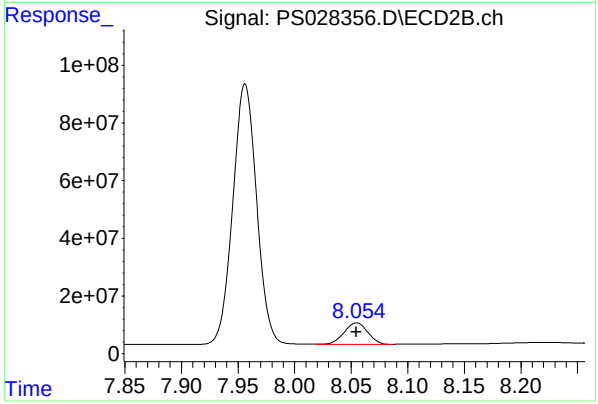
#5 DICAMBA

R.T.: 7.956 min
Delta R.T.: 0.000 min
Response: 1322138072
Conc: 185.11 ng/ml



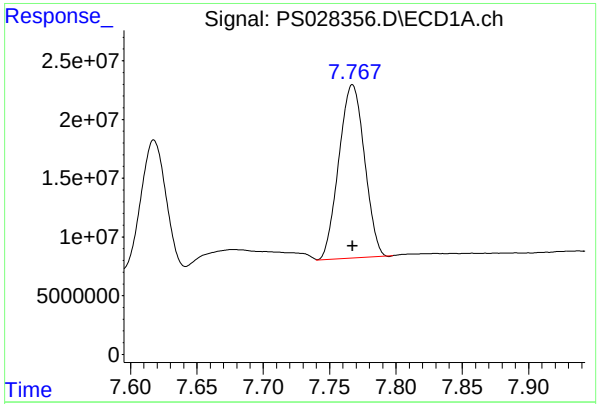
#6 MCPP

R.T.: 7.618 min
Delta R.T.: 0.000 min
Response: 133140401
Conc: 16.83 ug/ml



#6 MCPP

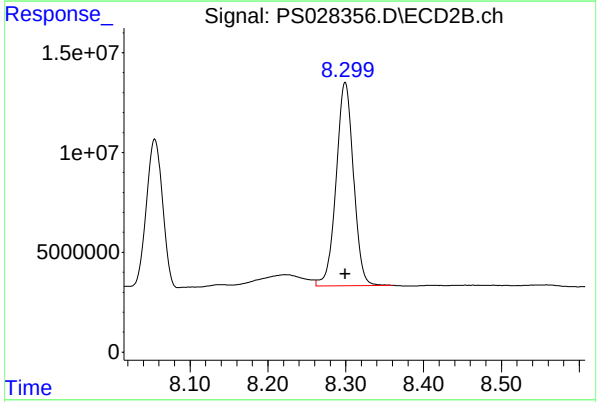
R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 107519720
Conc: 18.39 ug/ml



#7 MCPA

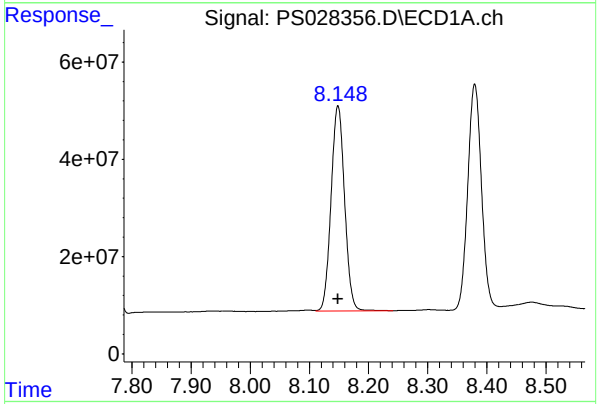
R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 198668926
Conc: 17.77 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



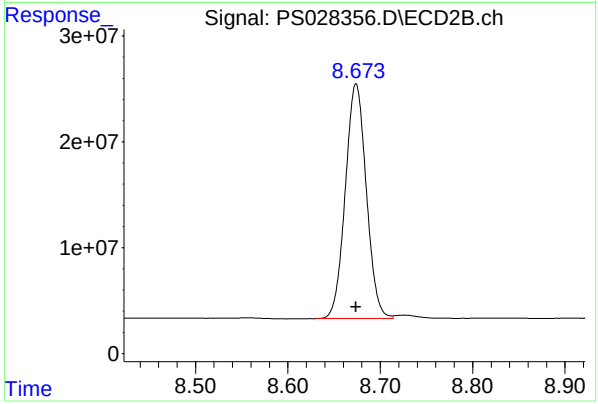
#7 MCPA

R.T.: 8.299 min
Delta R.T.: 0.000 min
Response: 158562185
Conc: 19.47 ug/ml



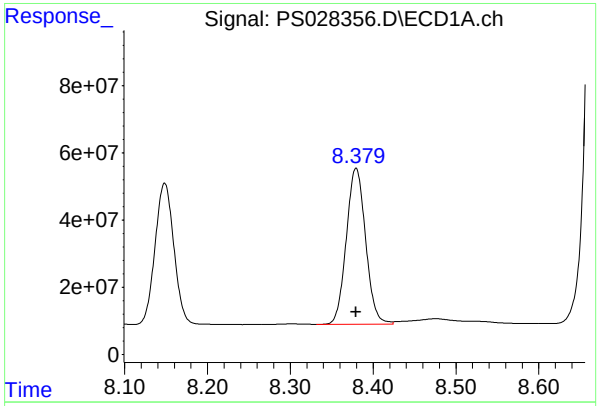
#8 DICHLORPROP

R.T.: 8.148 min
Delta R.T.: 0.000 min
Response: 668781118
Conc: 206.98 ng/ml



#8 DICHLORPROP

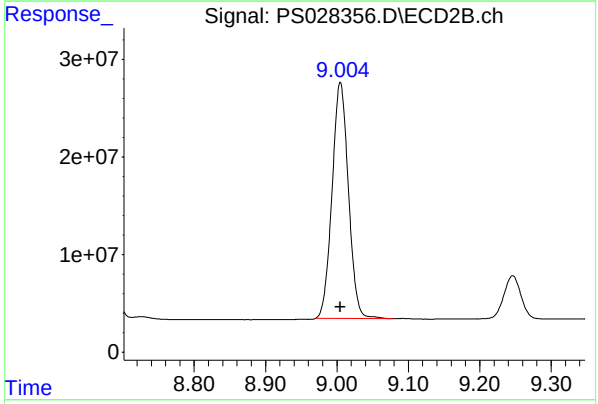
R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 350454119
Conc: 194.25 ng/ml



#9 2,4-D

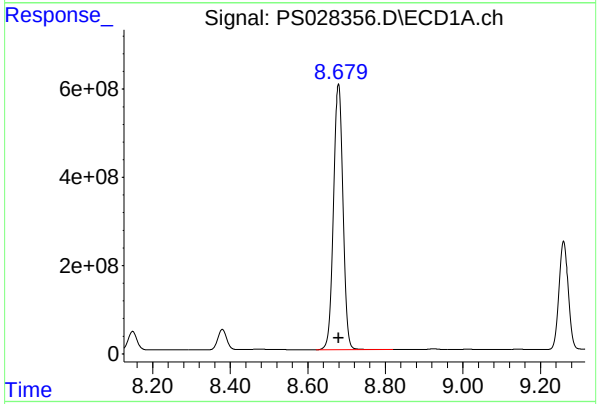
R.T.: 8.379 min
Delta R.T.: 0.000 min
Response: 751580319
Conc: 204.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



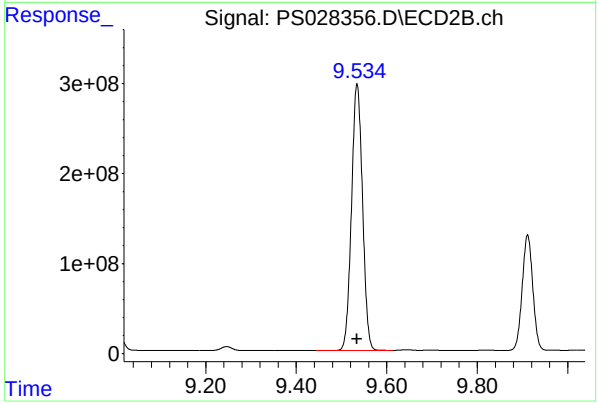
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 385734745
Conc: 196.53 ng/ml



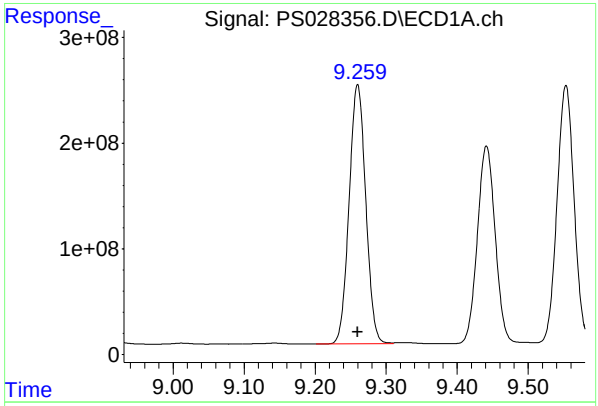
#10 Pentachlorophenol

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 10049059552
Conc: 203.48 ng/ml



#10 Pentachlorophenol

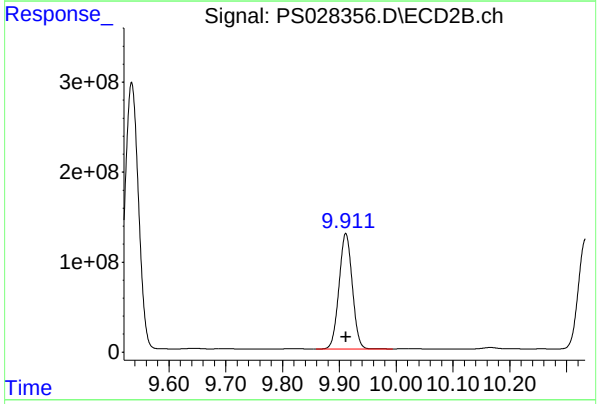
R.T.: 9.534 min
Delta R.T.: 0.000 min
Response: 5003002340
Conc: 194.17 ng/ml



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

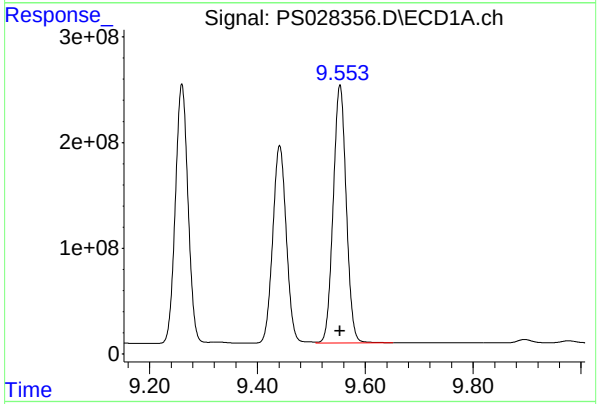
R.T.: 9.260 min
Delta R.T.: 0.000 min
Response: 3991559469
Conc: 202.76 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



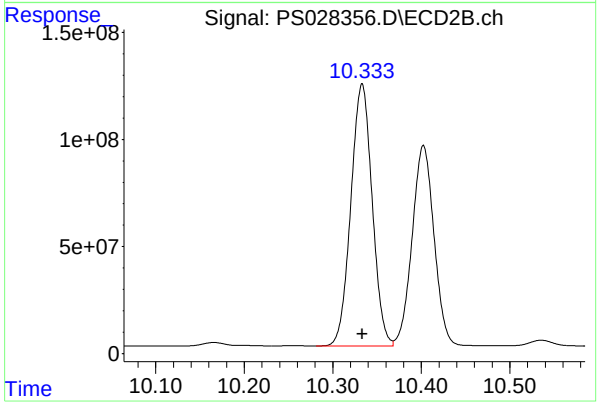
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 2084359244
Conc: 193.29 ng/ml



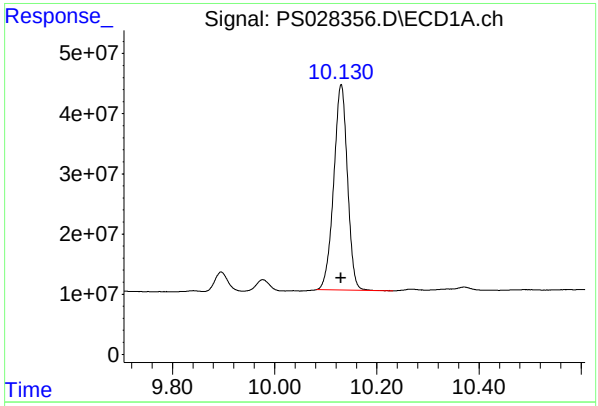
#12 2,4,5-T

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 4090521110
Conc: 202.86 ng/ml



#12 2,4,5-T

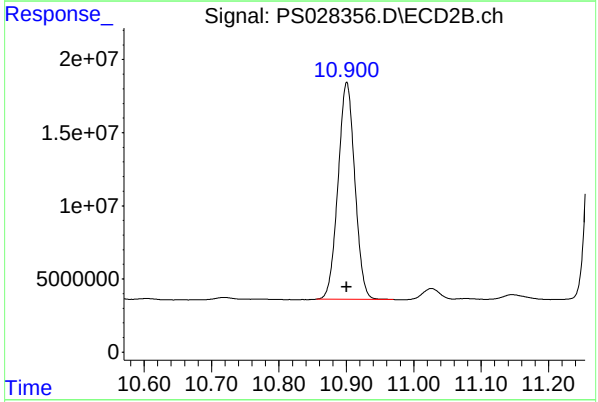
R.T.: 10.333 min
Delta R.T.: 0.000 min
Response: 2048701739
Conc: 193.76 ng/ml



#13 2,4-DB

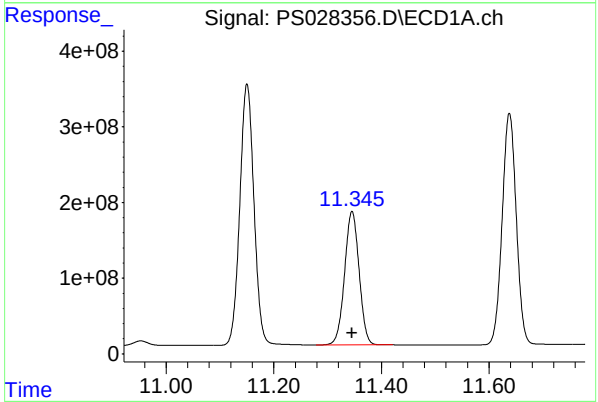
R.T.: 10.130 min
Delta R.T.: 0.000 min
Response: 636882314
Conc: 201.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



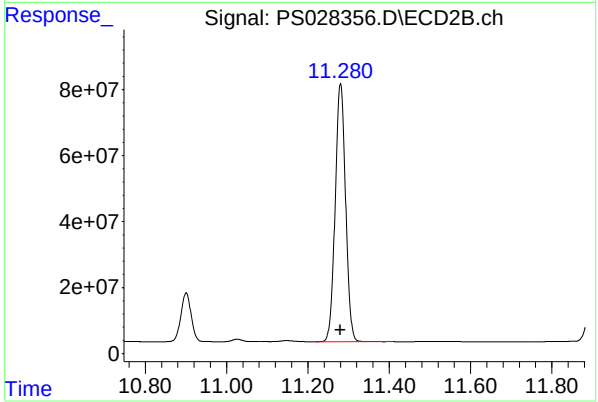
#13 2,4-DB

R.T.: 10.901 min
Delta R.T.: 0.000 min
Response: 256800420
Conc: 193.84 ng/ml



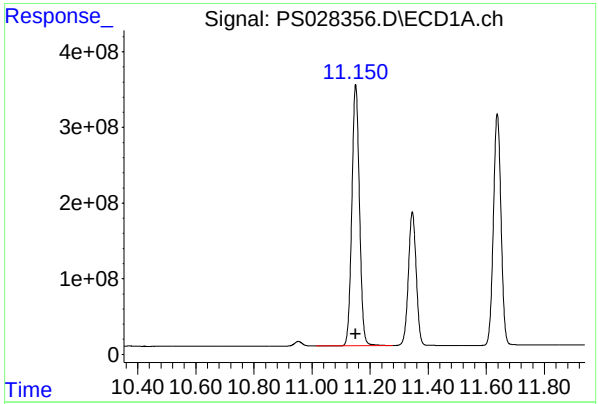
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 3299926289
Conc: 197.17 ng/ml



#14 DINOSEB

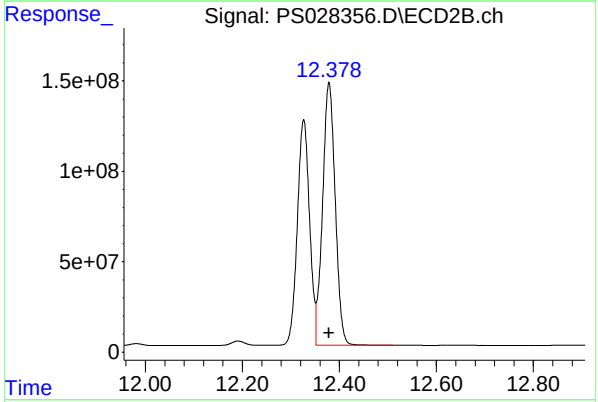
R.T.: 11.280 min
Delta R.T.: 0.000 min
Response: 1386751067
Conc: 190.58 ng/ml



#15 Picloram

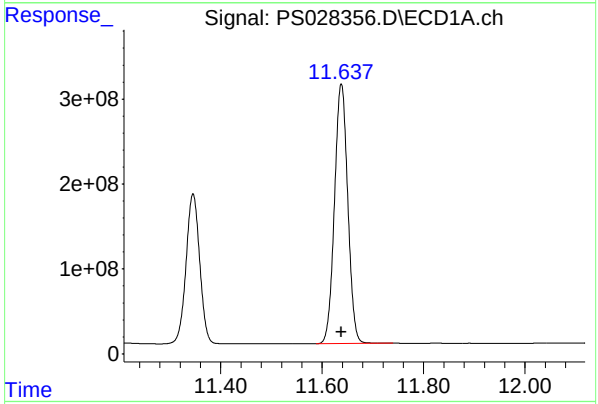
R.T.: 11.150 min
Delta R.T.: 0.000 min
Response: 6289996126
Conc: 195.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC200



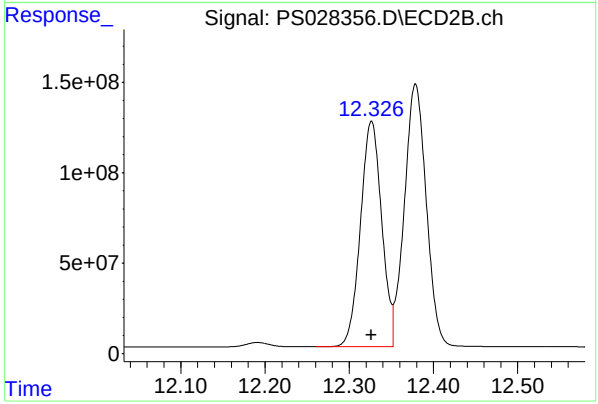
#15 Picloram

R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 2626991828
Conc: 183.91 ng/ml



#16 DCPA

R.T.: 11.638 min
Delta R.T.: 0.000 min
Response: 5559410633
Conc: 199.69 ng/ml



#16 DCPA

R.T.: 12.326 min
Delta R.T.: 0.000 min
Response: 2181146542
Conc: 191.13 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 15:46
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:42:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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	7.251	7.753	1370.2E6	788.0E6	498.788m	496.979
	Target Compounds						
1) T	Dalapon	2.645	2.702	1582.7E6	1275.2E6	445.190	452.045
2) T	3,5-DICHL...	6.421	6.705	1902.5E6	1118.9E6	472.259	468.984
3) T	4-Nitroph...	7.051	7.280	963.6E6	569.3E6	494.651	504.695
5) T	DICAMBA	7.440	7.955	5595.4E6	3310.9E6	464.895	460.013
6) T	MCPP	7.622	8.055	384.8E6	276.6E6	46.237	46.777
7) T	MCPA	7.772	8.300	536.1E6	370.5E6	46.896	46.572
8) T	DICHLORPROP	8.151	8.672	1436.8E6	827.1E6	468.310	466.194
9) T	2,4-D	8.382	9.003	1678.6E6	893.6E6	476.860	465.822
10) T	Pentachlo...	8.682	9.533	22692.1E6	12126.5E6	476.373	475.863
11) T	2,4,5-TP ...	9.264	9.910	9016.6E6	5040.9E6	473.928	471.525
12) T	2,4,5-T	9.556	10.331	9232.6E6	4943.4E6	473.922	472.211
13) T	2,4-DB	10.132	10.898	1437.9E6	611.4E6	469.887	466.218
14) T	DINOSEB	11.348	11.278	7684.1E6	3382.0E6	470.583	468.006
15) T	Picloram	11.153	12.378	14946.2E6	6738.5E6	471.666	464.296
16) T	DCPA	11.640	12.325	13258.0E6	5501.2E6	485.938	480.983

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

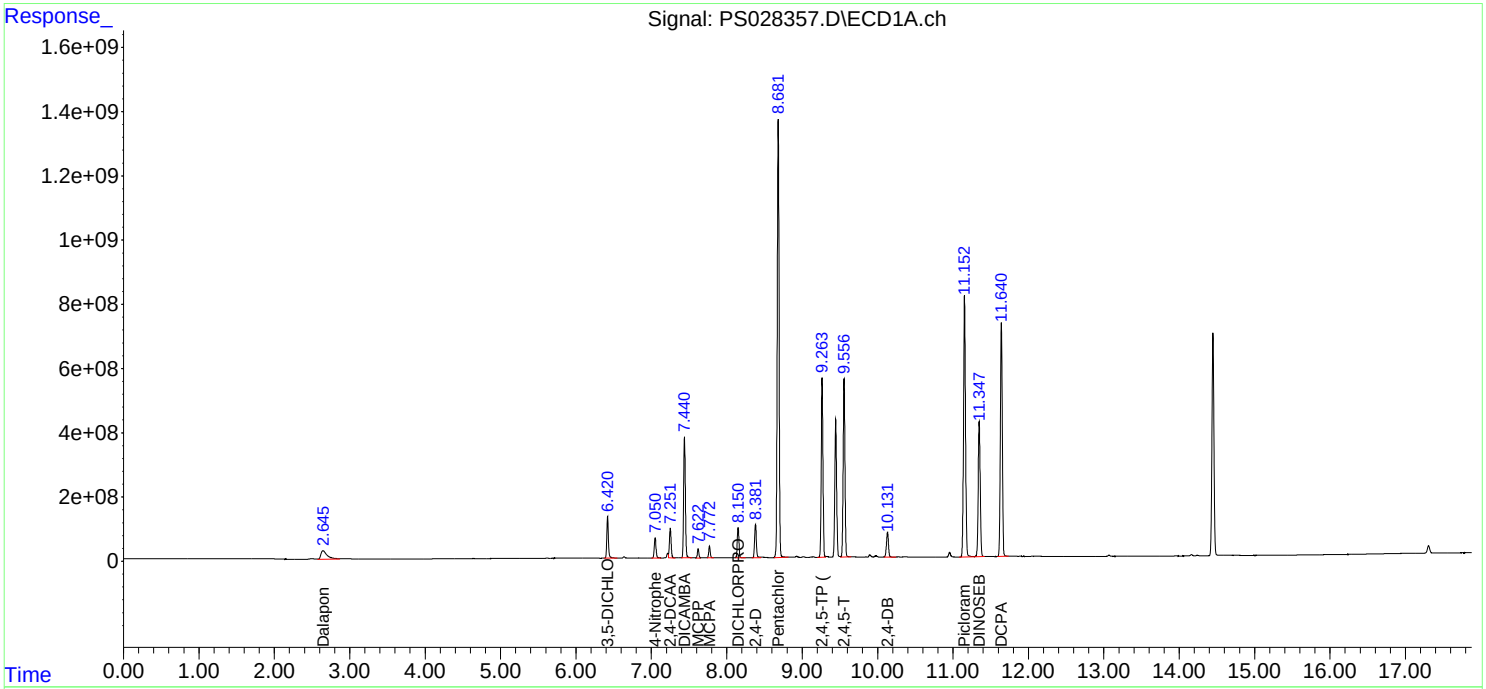
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028357.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 15:46
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

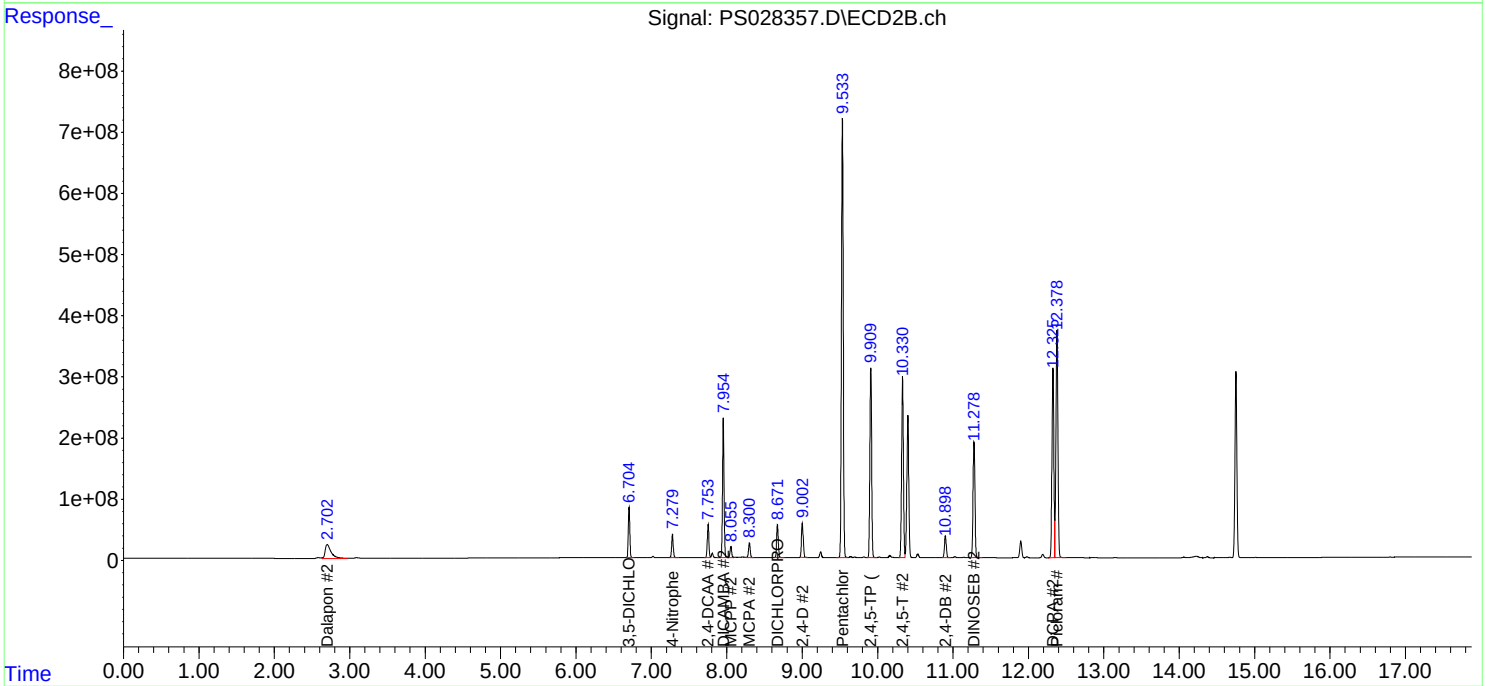
Instrument :
ECD_S
ClientSampleId :
HSTDICC500

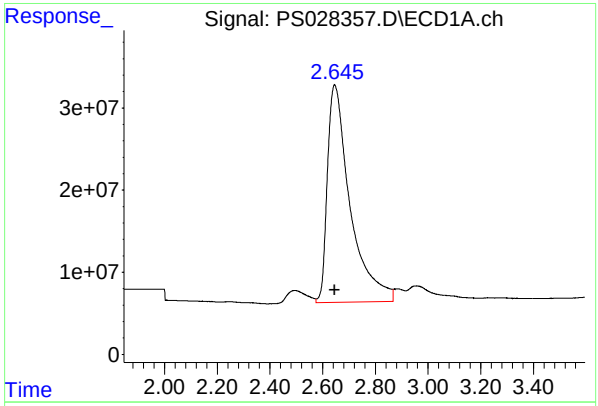
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:42:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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







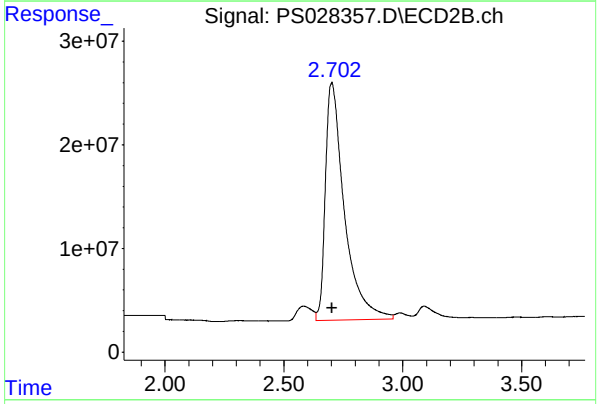
#1 Dalapon

R.T.: 2.645 min
Delta R.T.: 0.000 min
Response: 1582736772
Conc: 445.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

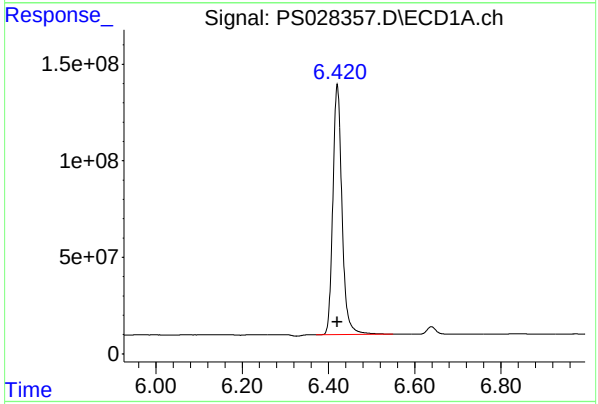
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



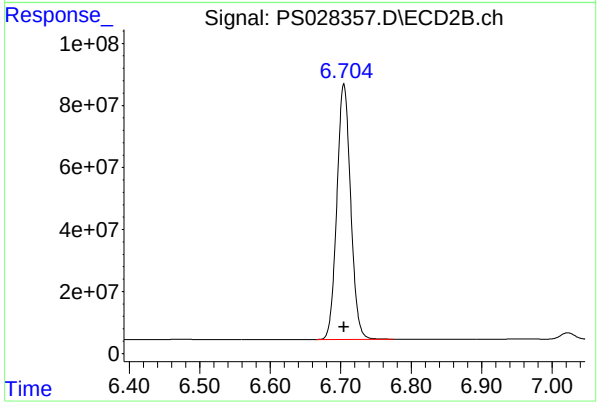
#1 Dalapon

R.T.: 2.702 min
Delta R.T.: 0.000 min
Response: 1275197726
Conc: 452.04 ng/ml



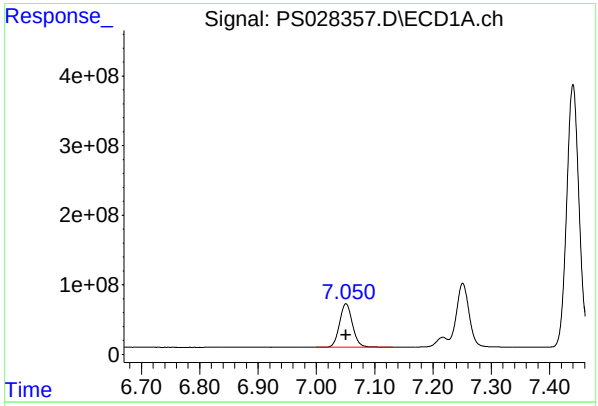
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.421 min
Delta R.T.: 0.000 min
Response: 1902454598
Conc: 472.26 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 1118919375
Conc: 468.98 ng/ml



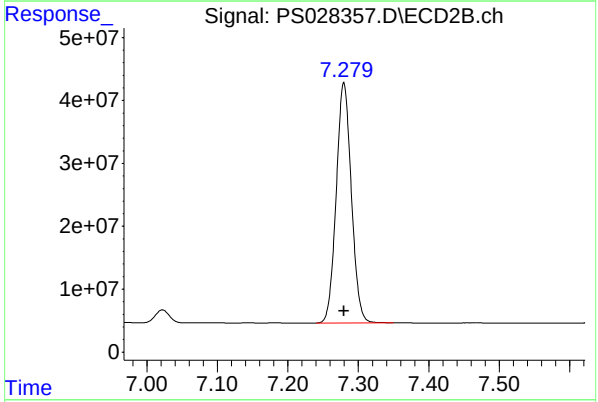
#3 4-Nitrophenol

R.T.: 7.051 min
Delta R.T.: 0.000 mi
Response: 963644461
Conc: 494.65 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

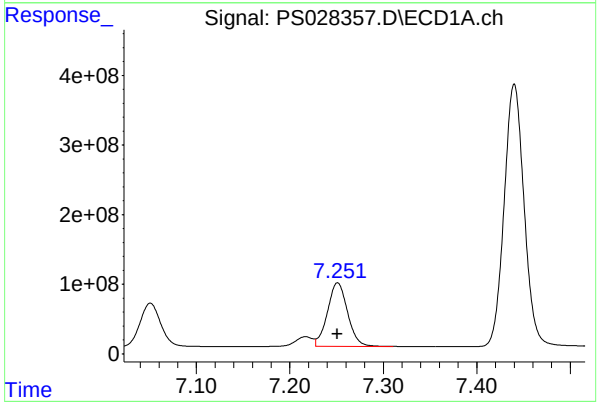
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



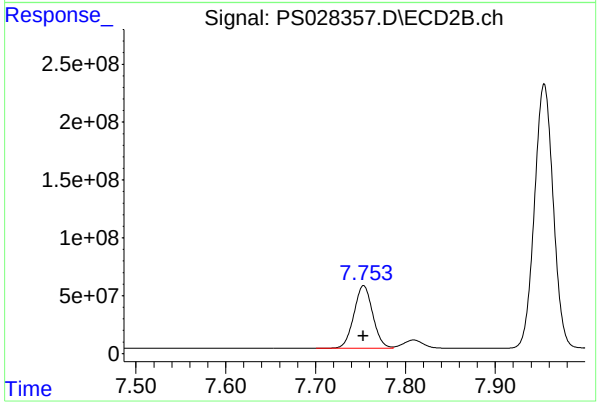
#3 4-Nitrophenol

R.T.: 7.280 min
Delta R.T.: 0.000 min
Response: 569264065
Conc: 504.70 ng/ml



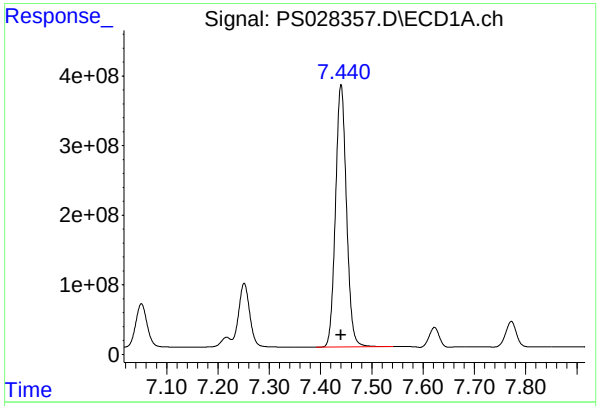
#4 2,4-DCAA

R.T.: 7.251 min
Delta R.T.: 0.000 min
Response: 1370212701
Conc: 498.79 ng/ml m



#4 2,4-DCAA

R.T.: 7.753 min
Delta R.T.: 0.000 min
Response: 787993351
Conc: 496.98 ng/ml



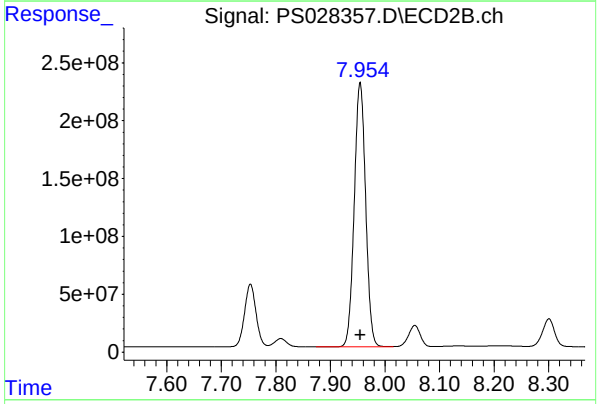
#5 DICAMBA

R.T.: 7.440 min
Delta R.T.: 0.000 min
Response: 5595381742
Conc: 464.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

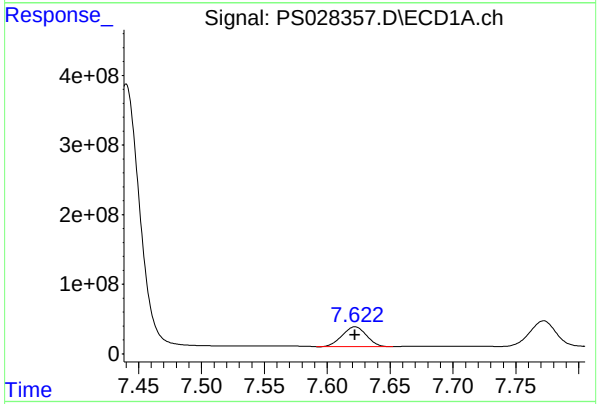
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



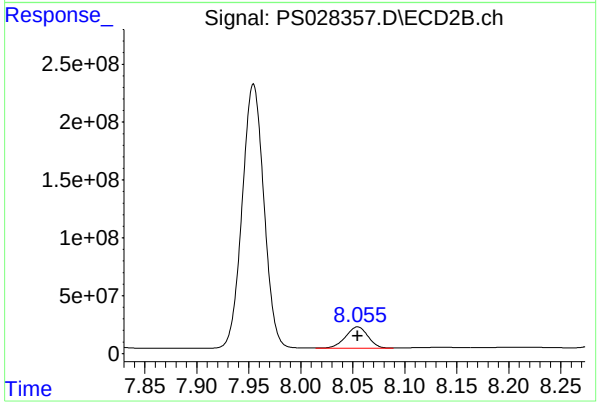
#5 DICAMBA

R.T.: 7.955 min
Delta R.T.: 0.000 min
Response: 3310904271
Conc: 460.01 ng/ml



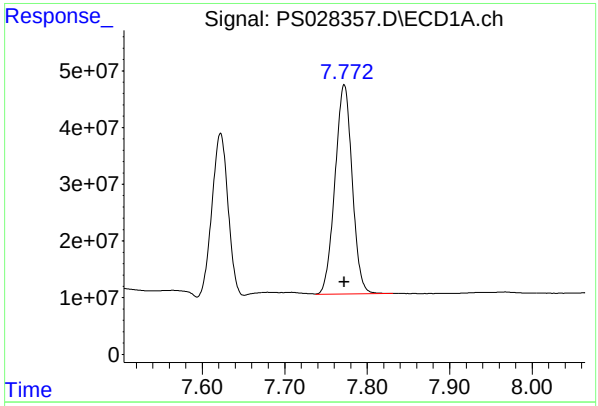
#6 MCPP

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 384795284
Conc: 46.24 ug/ml



#6 MCPP

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 276561932
Conc: 46.78 ug/ml



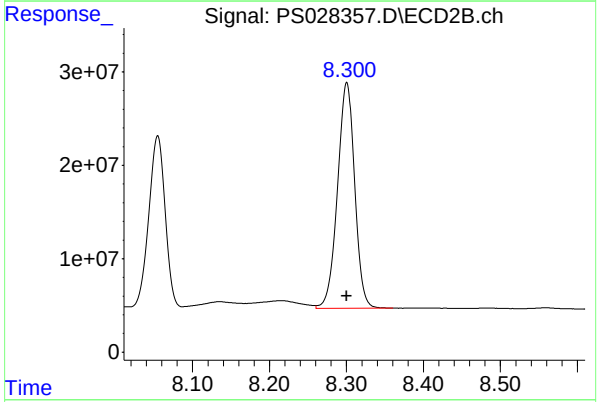
#7 MCPA

R.T.: 7.772 min
Delta R.T.: 0.000 min
Response: 536091500
Conc: 46.90 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

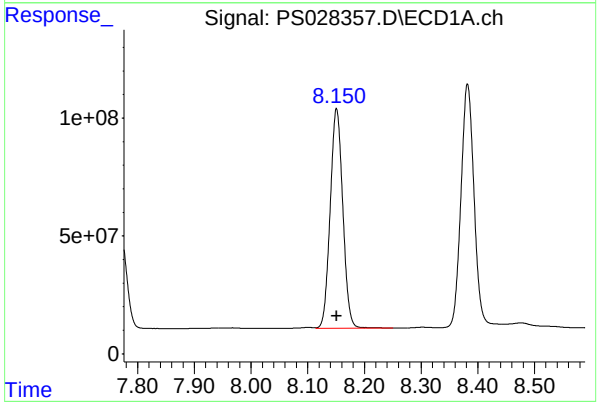
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



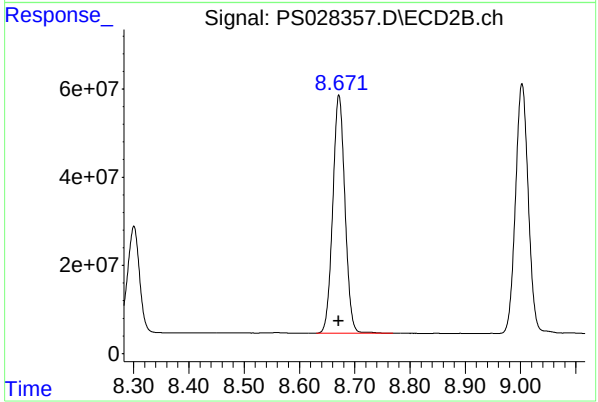
#7 MCPA

R.T.: 8.300 min
Delta R.T.: 0.000 min
Response: 370513503
Conc: 46.57 ug/ml



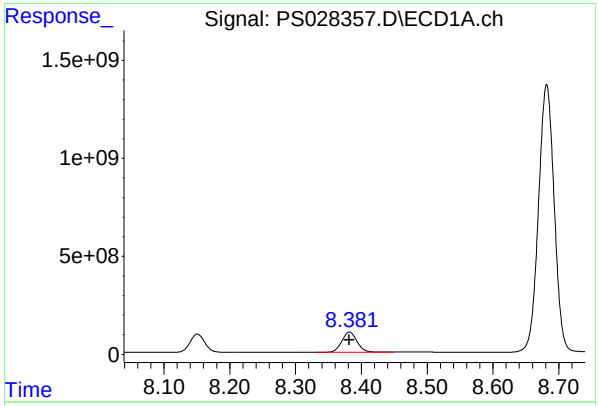
#8 DICHLORPROP

R.T.: 8.151 min
Delta R.T.: 0.000 min
Response: 1436761675
Conc: 468.31 ng/ml



#8 DICHLORPROP

R.T.: 8.672 min
Delta R.T.: 0.000 min
Response: 827107156
Conc: 466.19 ng/ml



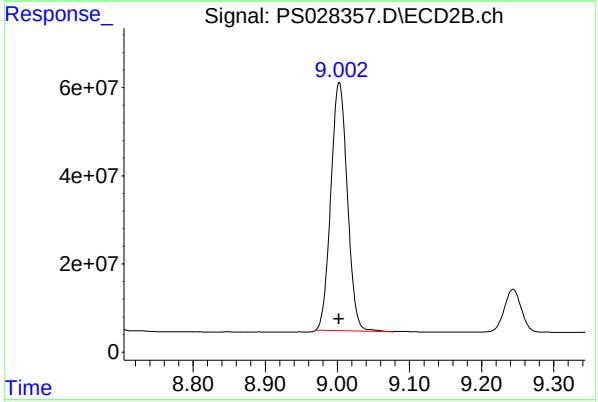
#9 2,4-D

R.T.: 8.382 min
Delta R.T.: 0.000 min
Response: 1678583758
Conc: 476.86 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

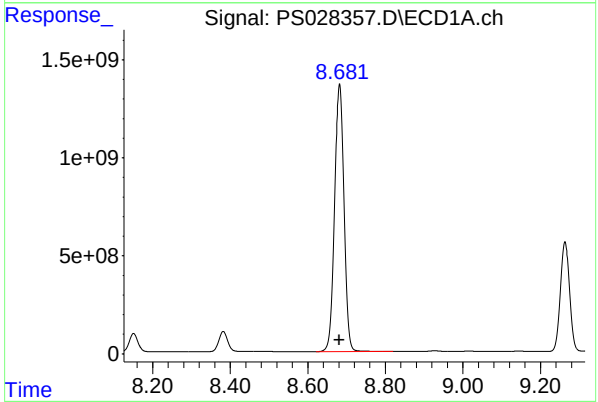
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



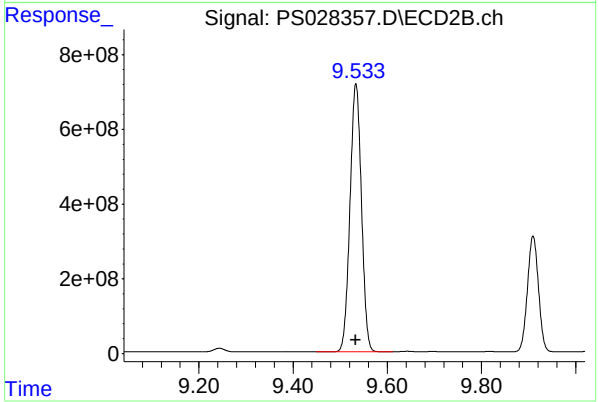
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: 0.000 min
Response: 893562846
Conc: 465.82 ng/ml



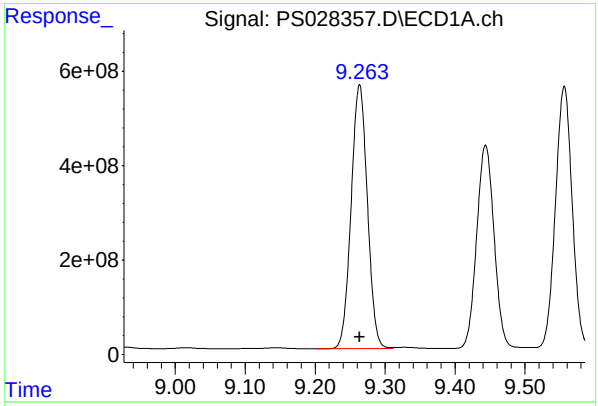
#10 Pentachlorophenol

R.T.: 8.682 min
Delta R.T.: 0.000 min
Response: 22692098283
Conc: 476.37 ng/ml



#10 Pentachlorophenol

R.T.: 9.533 min
Delta R.T.: 0.000 min
Response: 12126455334
Conc: 475.86 ng/ml



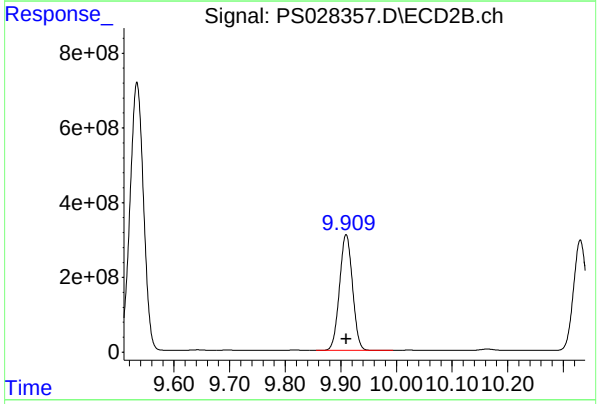
#11 2,4,5-TP (SILVEX)

R.T.: 9.264 min
Delta R.T.: 0.000 min
Response: 9016585163
Conc: 473.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

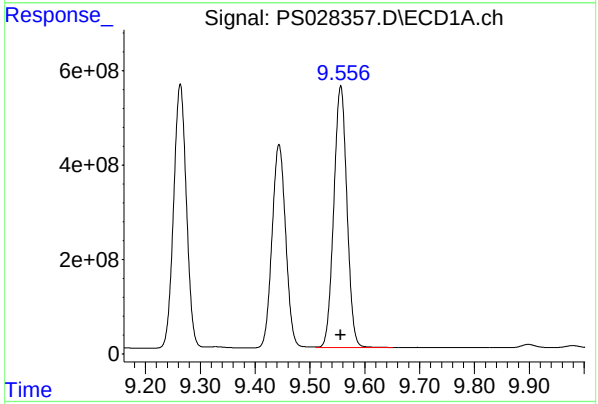
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



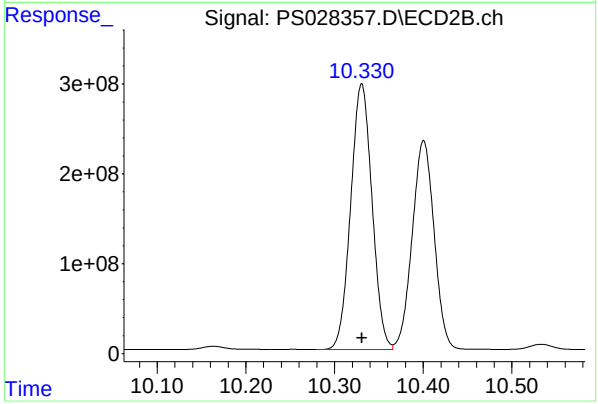
#11 2,4,5-TP (SILVEX)

R.T.: 9.910 min
Delta R.T.: 0.000 min
Response: 5040861543
Conc: 471.53 ng/ml



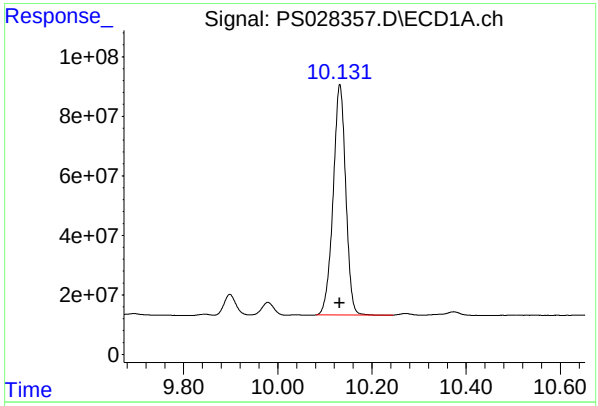
#12 2,4,5-T

R.T.: 9.556 min
Delta R.T.: 0.000 min
Response: 9232566770
Conc: 473.92 ng/ml



#12 2,4,5-T

R.T.: 10.331 min
Delta R.T.: 0.000 min
Response: 4943449118
Conc: 472.21 ng/ml



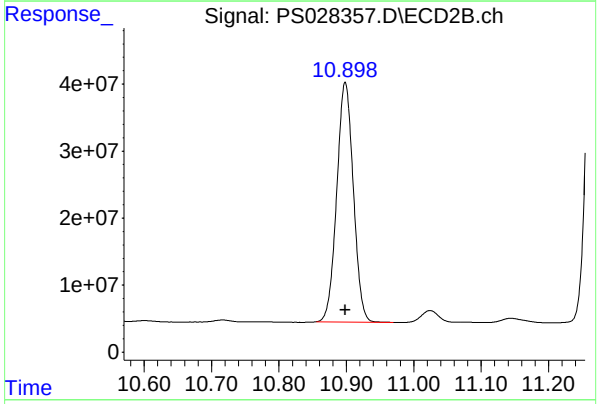
#13 2,4-DB

R.T.: 10.132 min
Delta R.T.: 0.000 min
Response: 1437933834
Conc: 469.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

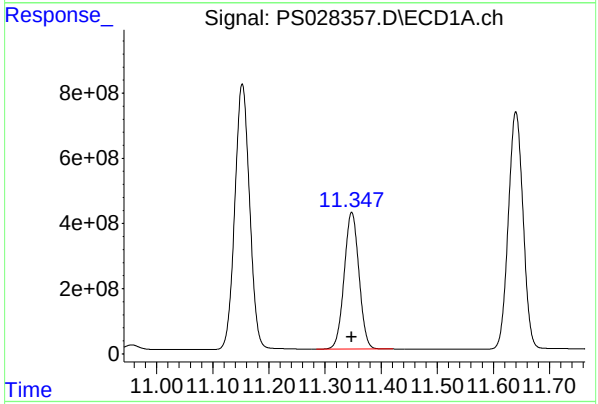
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



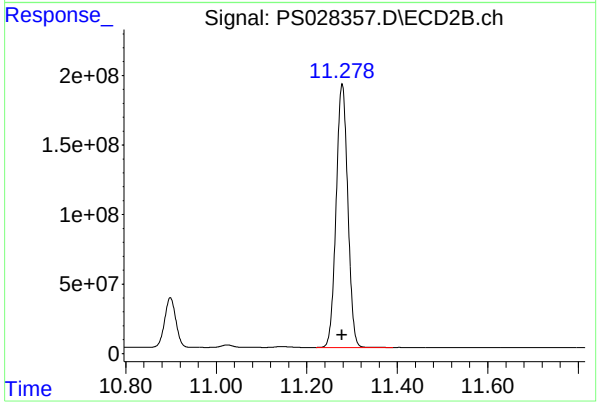
#13 2,4-DB

R.T.: 10.898 min
Delta R.T.: 0.000 min
Response: 611411430
Conc: 466.22 ng/ml



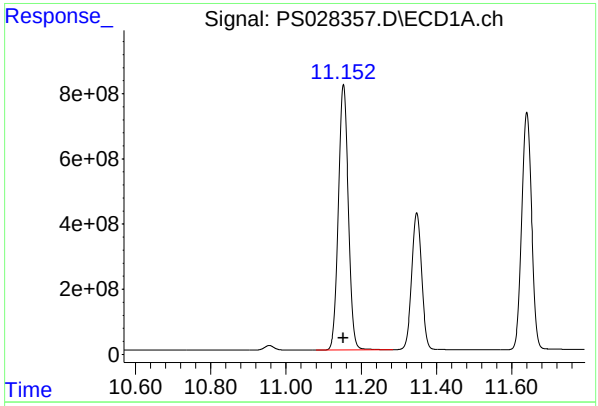
#14 DINOSEB

R.T.: 11.348 min
Delta R.T.: 0.000 min
Response: 7684071752
Conc: 470.58 ng/ml



#14 DINOSEB

R.T.: 11.278 min
Delta R.T.: 0.000 min
Response: 3381976768
Conc: 468.01 ng/ml



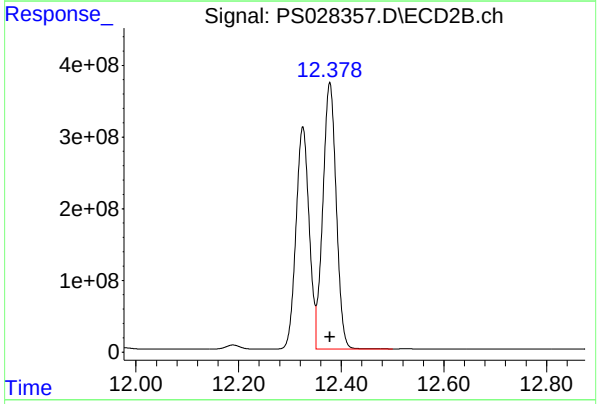
#15 Picloram

R.T.: 11.153 min
Delta R.T.: 0.000 min
Response: 14946167056
Conc: 471.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

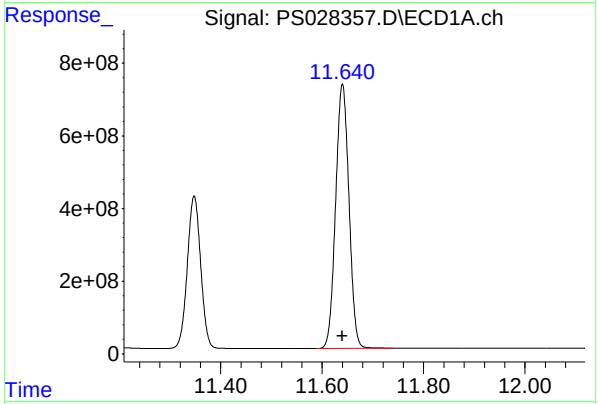
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/11/2024
Supervised By :Ankita Jodhani 11/12/2024



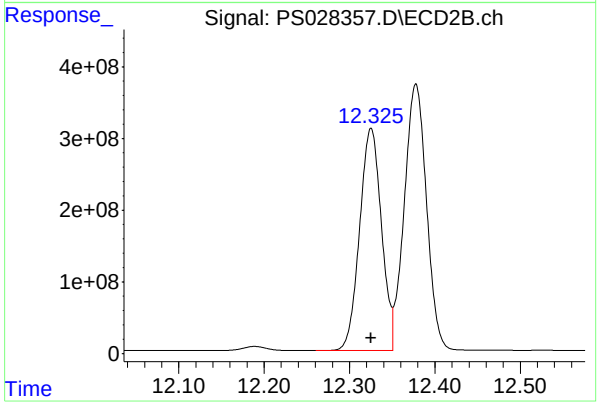
#15 Picloram

R.T.: 12.378 min
Delta R.T.: 0.000 min
Response: 6738470642
Conc: 464.30 ng/ml



#16 DCPA

R.T.: 11.640 min
Delta R.T.: 0.000 min
Response: 13258005498
Conc: 485.94 ng/ml



#16 DCPA

R.T.: 12.325 min
Delta R.T.: 0.000 min
Response: 5501163130
Conc: 480.98 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:10
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: Nov 08 16:40:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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	7.250	7.755	2051.6E6	1196.4E6	750.000	750.000
	Target Compounds						
1) T	Dalapon	2.648	2.706	2478.7E6	1937.8E6	682.500	682.500
2) T	3,5-DICHL...	6.419	6.707	2766.0E6	1649.9E6	697.500	697.500
3) T	4-Nitroph...	7.049	7.281	1213.7E6	685.7E6	682.500	682.500
5) T	DICAMBA	7.438	7.956	8577.4E6	5182.0E6	705.000	705.000
6) T	MCPP	7.622	8.059	596.2E6	418.8E6	70.500	70.500
7) T	MCPA	7.772	8.305	790.6E6	554.1E6	69.750	69.750
8) T	DICHLORPROP	8.148	8.673	2170.7E6	1260.9E6	705.000	705.000
9) T	2,4-D	8.379	9.005	2445.4E6	1364.4E6	705.000	705.000
10) T	Pentachlo...	8.679	9.535	33841.9E6	18123.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.260	9.911	13586.0E6	7672.7E6	712.500	712.500
12) T	2,4,5-T	9.552	10.333	13911.9E6	7502.8E6	712.500	712.500
13) T	2,4-DB	10.129	10.900	2203.8E6	951.7E6	712.500	712.500
14) T	DINOSEB	11.345	11.280	11497.6E6	5116.2E6	705.000	705.000
15) T	Picloram	11.150	12.379	22736.2E6	10573.8E6	712.500	712.500
16) T	DCPA	11.637	12.326	19401.0E6	8218.0E6	720.000	720.000

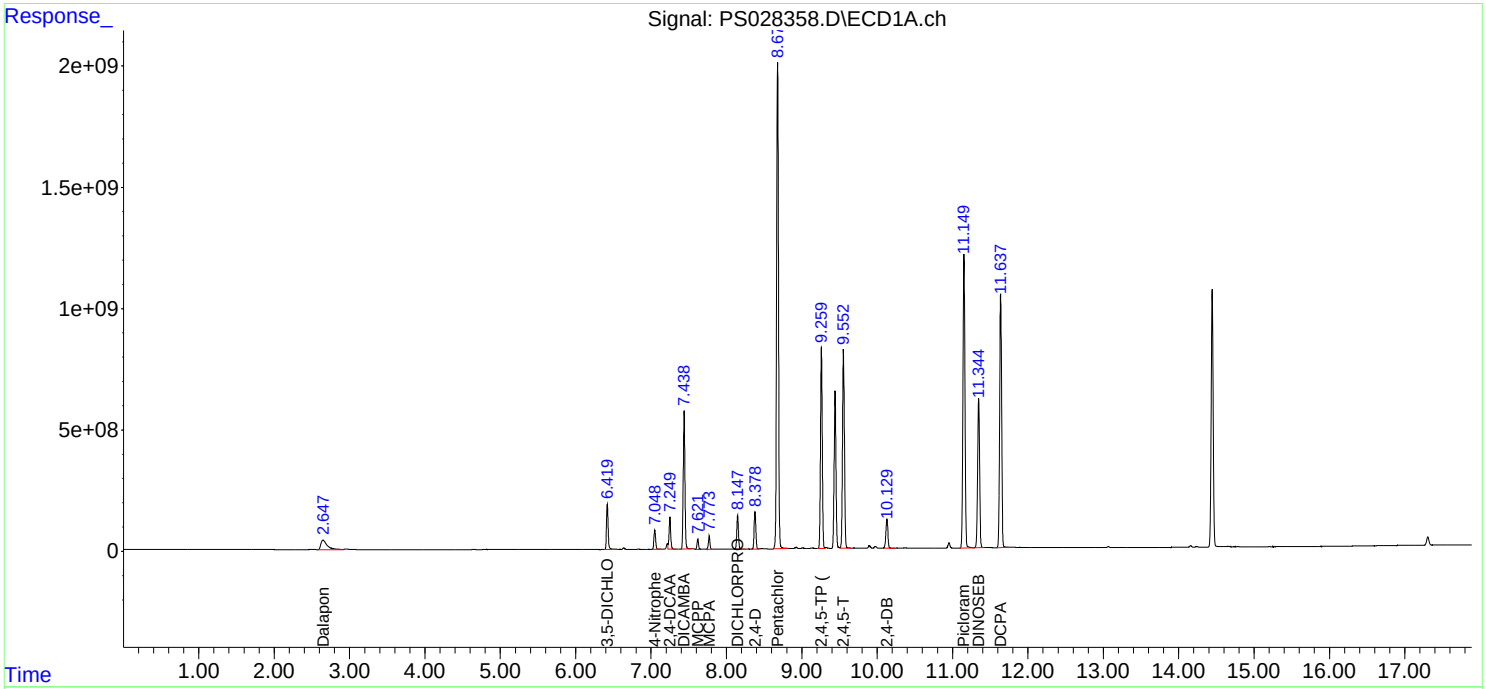
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

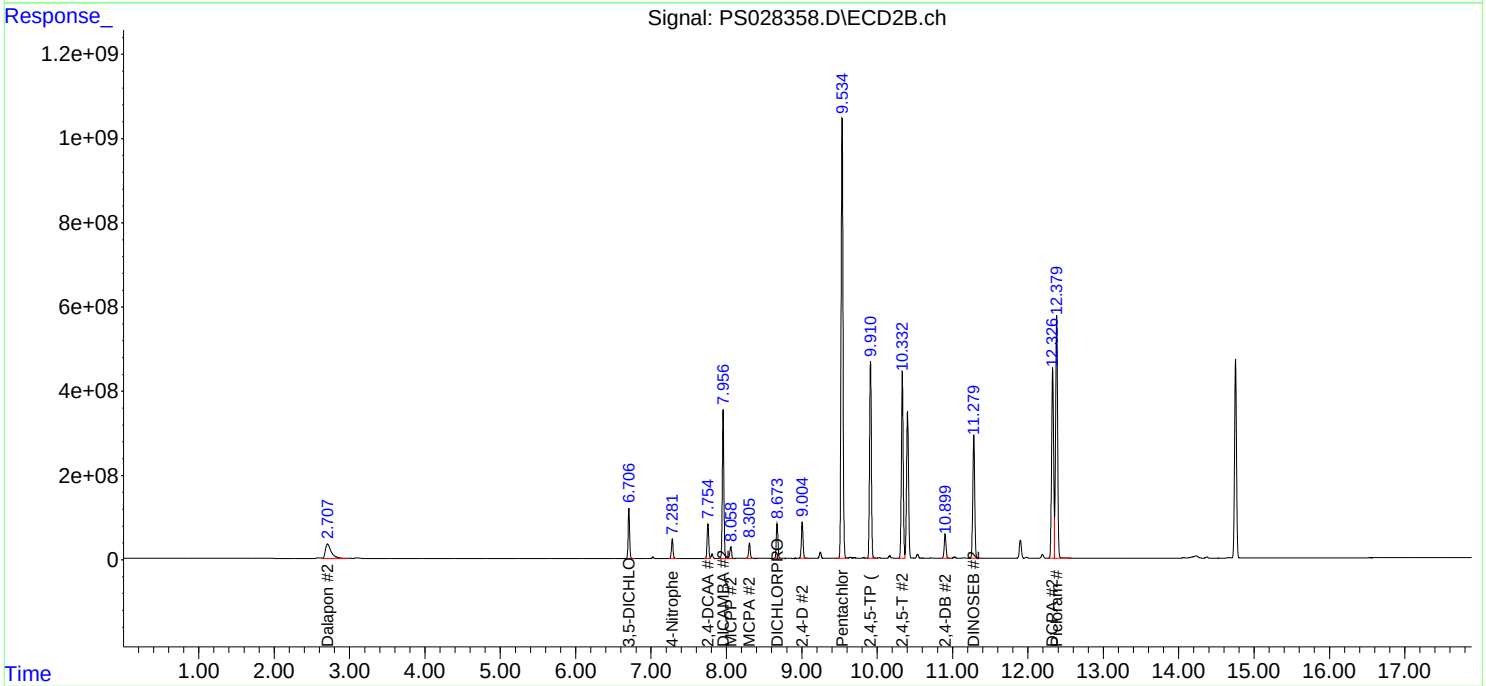
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:10
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

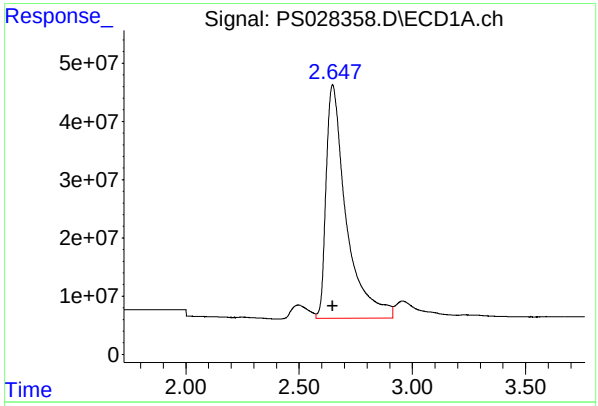
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:40:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:40:02 2024
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



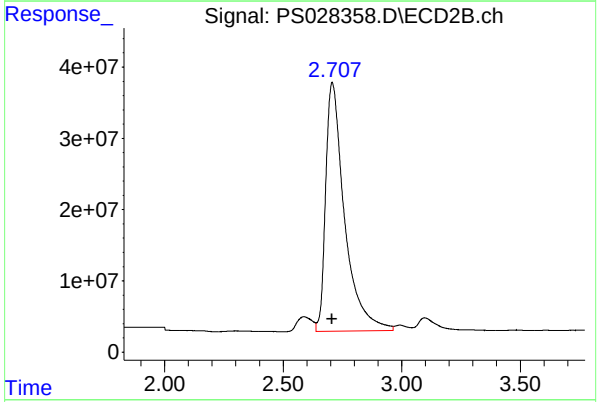




#1 Dalapon

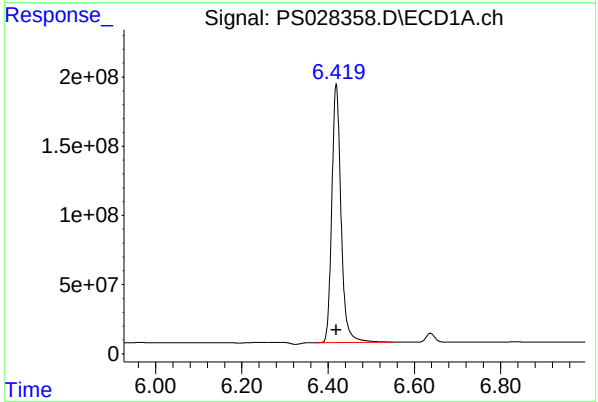
R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 2478734864
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



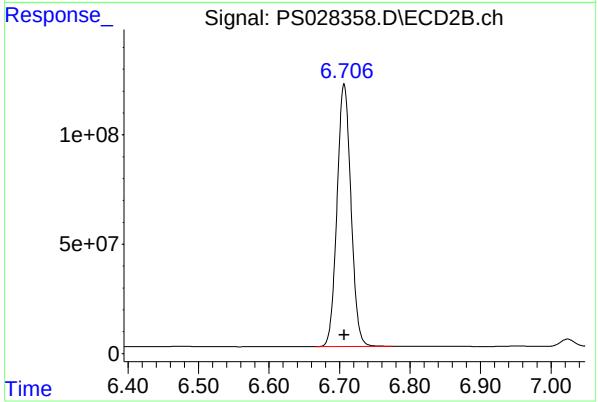
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: 0.000 min
Response: 1937807204
Conc: 682.50 ng/ml



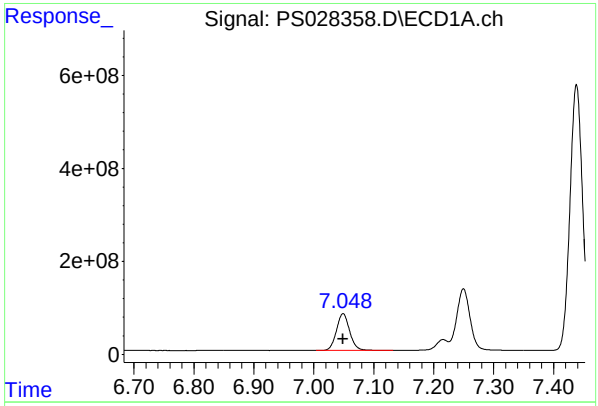
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min
Delta R.T.: 0.000 min
Response: 2765952466
Conc: 697.50 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

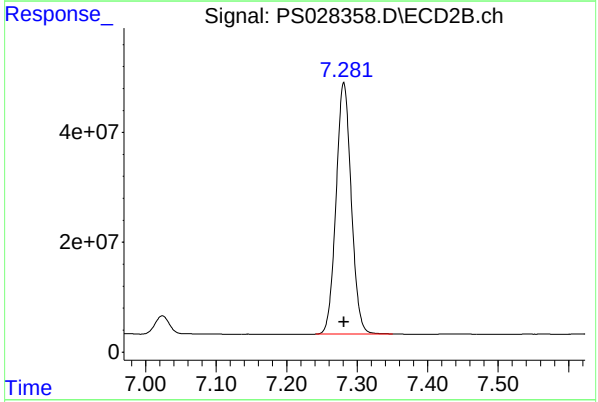
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 1649864570
Conc: 697.50 ng/ml



#3 4-Nitrophenol

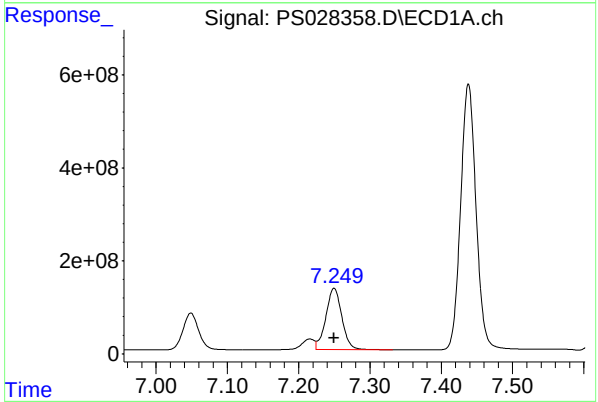
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 1213730826
Conc: 682.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



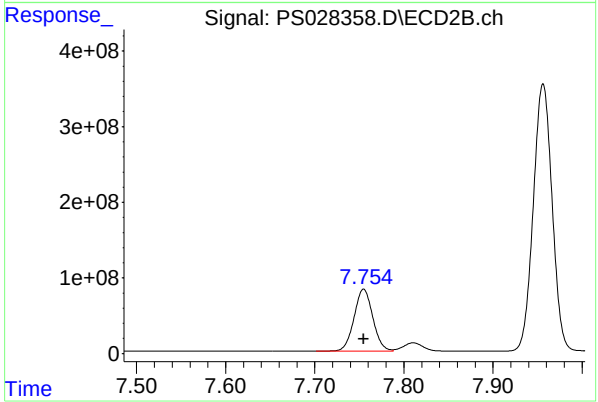
#3 4-Nitrophenol

R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 685736847
Conc: 682.50 ng/ml



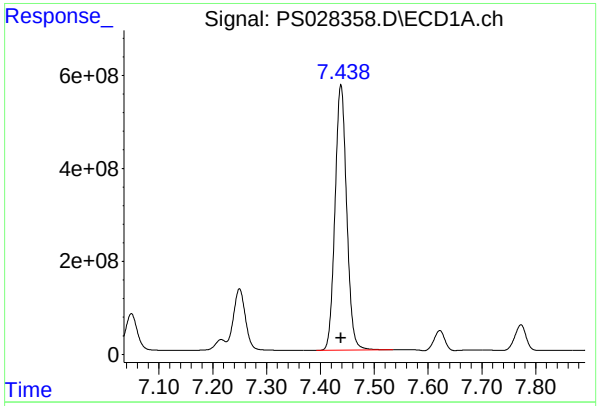
#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 2051638110
Conc: 750.00 ng/ml



#4 2,4-DCAA

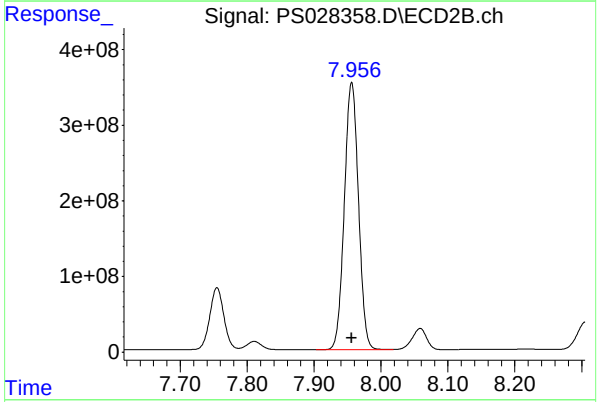
R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 1196360410
Conc: 750.00 ng/ml



#5 DICAMBA

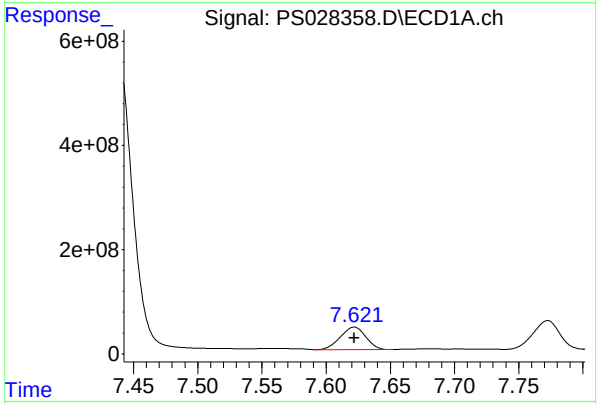
R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 8577395807
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



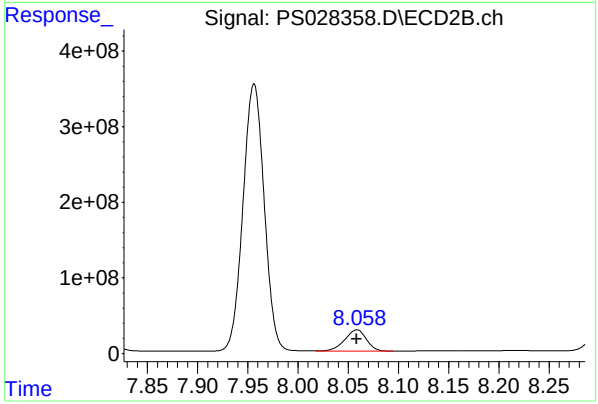
#5 DICAMBA

R.T.: 7.956 min
Delta R.T.: 0.000 min
Response: 5181997777
Conc: 705.00 ng/ml



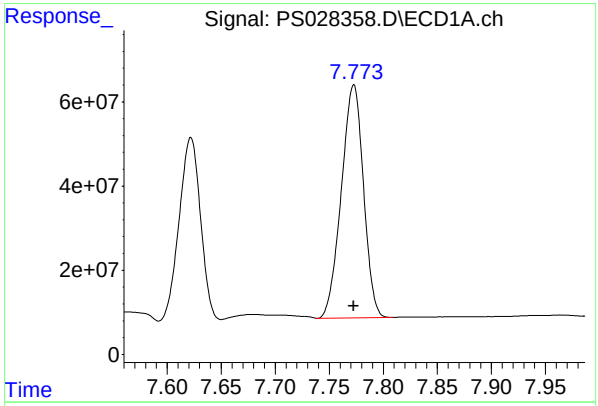
#6 MCPP

R.T.: 7.622 min
Delta R.T.: 0.000 min
Response: 596244632
Conc: 70.50 ug/ml



#6 MCPP

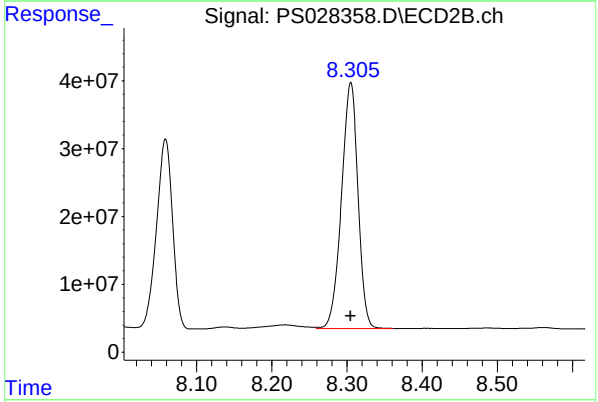
R.T.: 8.059 min
Delta R.T.: 0.000 min
Response: 418796501
Conc: 70.50 ug/ml



#7 MCPA

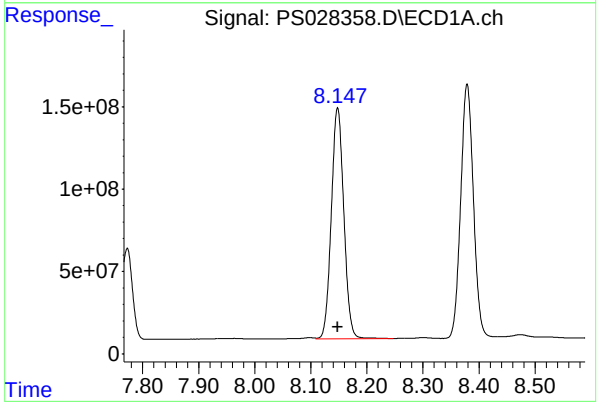
R.T.: 7.772 min
Delta R.T.: 0.000 min
Response: 790570796
Conc: 69.75 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



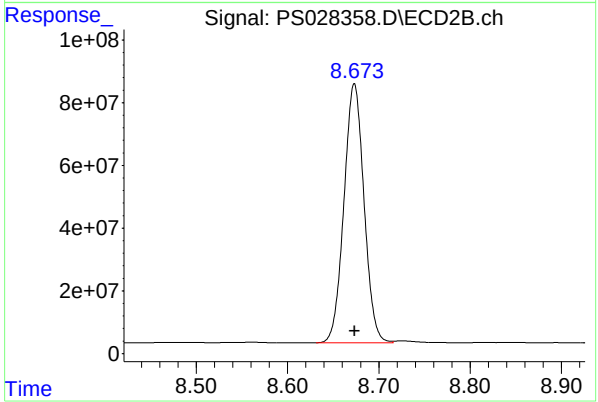
#7 MCPA

R.T.: 8.305 min
Delta R.T.: 0.000 min
Response: 554057024
Conc: 69.75 ug/ml



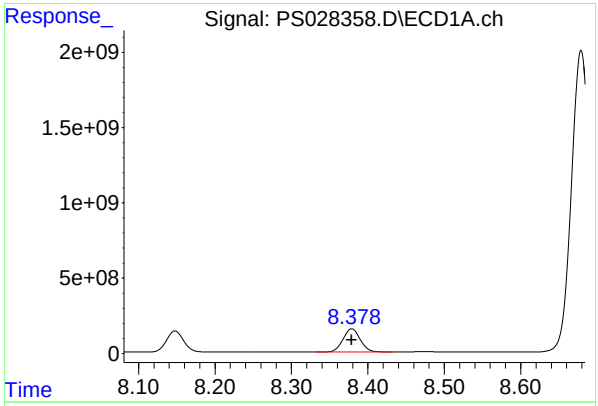
#8 DICHLORPROP

R.T.: 8.148 min
Delta R.T.: 0.000 min
Response: 2170692920
Conc: 705.00 ng/ml



#8 DICHLORPROP

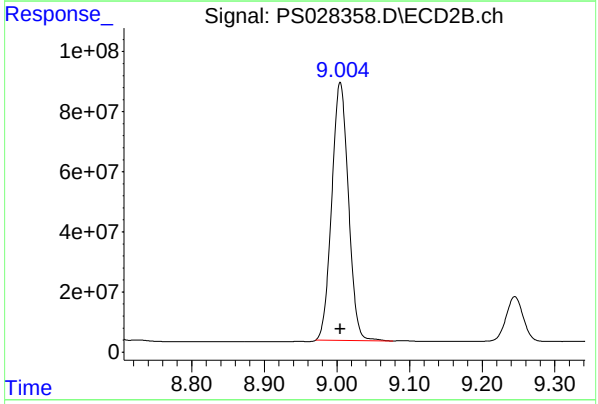
R.T.: 8.673 min
Delta R.T.: 0.000 min
Response: 1260917920
Conc: 705.00 ng/ml



#9 2,4-D

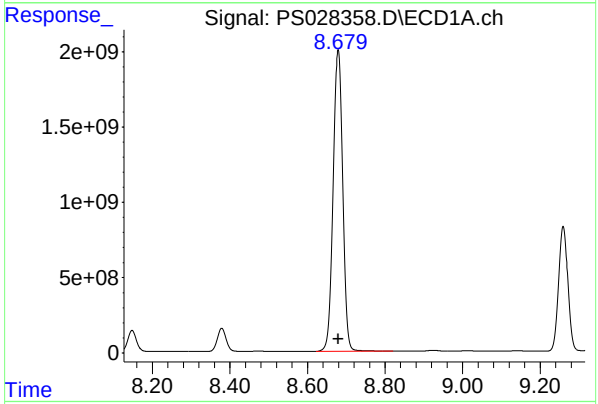
R.T.: 8.379 min
Delta R.T.: 0.000 min
Response: 2445427735
Conc: 705.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



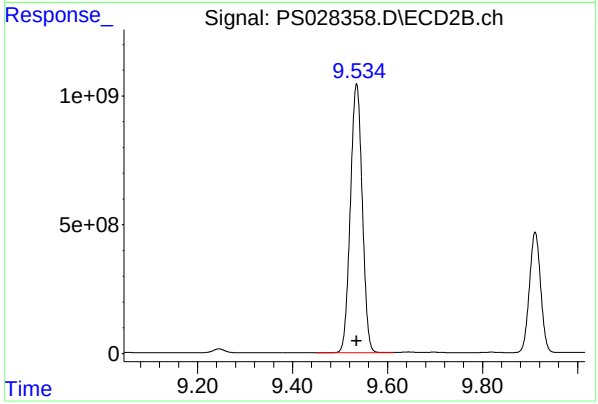
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 1364386466
Conc: 705.00 ng/ml



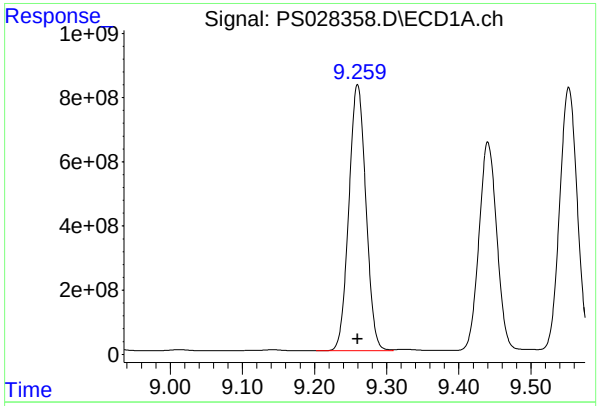
#10 Pentachlorophenol

R.T.: 8.679 min
Delta R.T.: 0.000 min
Response: 33841938333
Conc: 712.50 ng/ml



#10 Pentachlorophenol

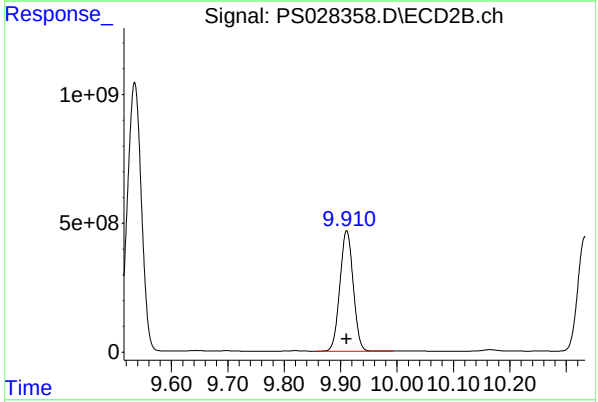
R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 18123675777
Conc: 712.50 ng/ml



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

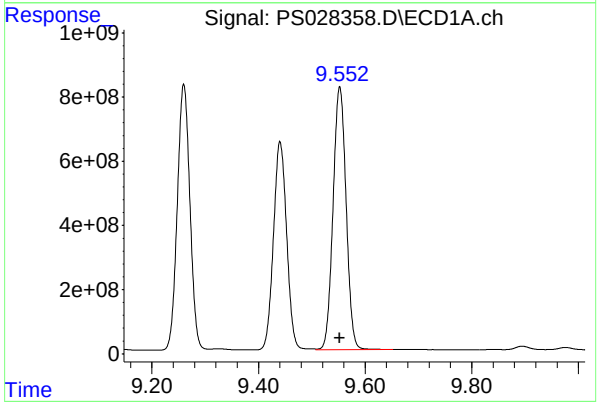
R.T.: 9.260 min
Delta R.T.: 0.000 min
Response: 13586045685
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



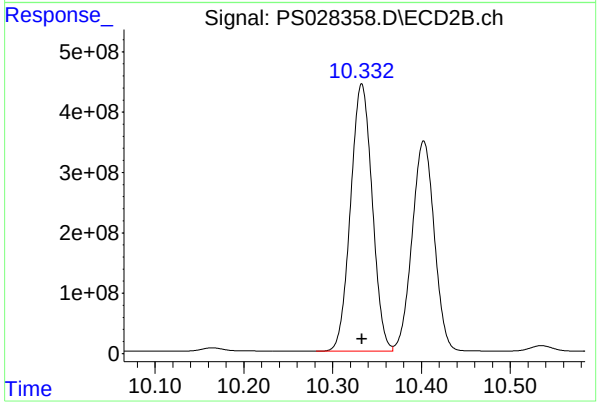
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 7672728590
Conc: 712.50 ng/ml



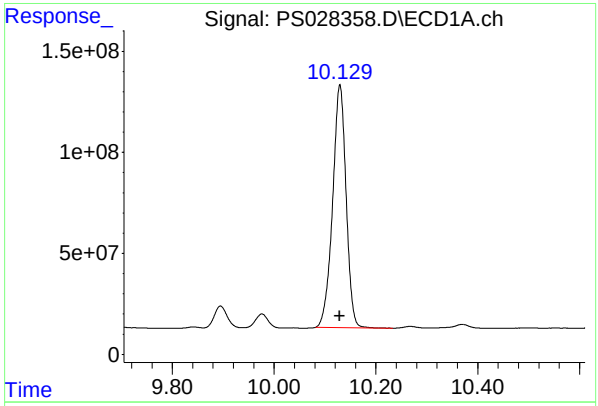
#12 2,4,5-T

R.T.: 9.552 min
Delta R.T.: 0.000 min
Response: 13911872588
Conc: 712.50 ng/ml



#12 2,4,5-T

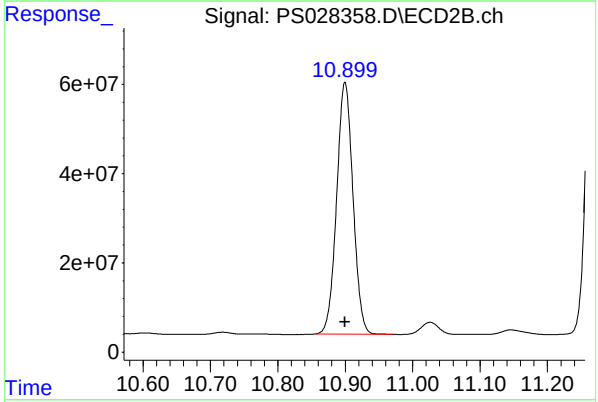
R.T.: 10.333 min
Delta R.T.: 0.000 min
Response: 7502752928
Conc: 712.50 ng/ml



#13 2,4-DB

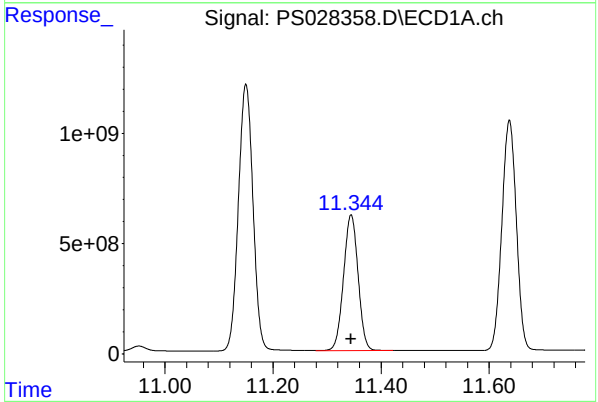
R.T.: 10.129 min
Delta R.T.: 0.000 min
Response: 2203843043
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



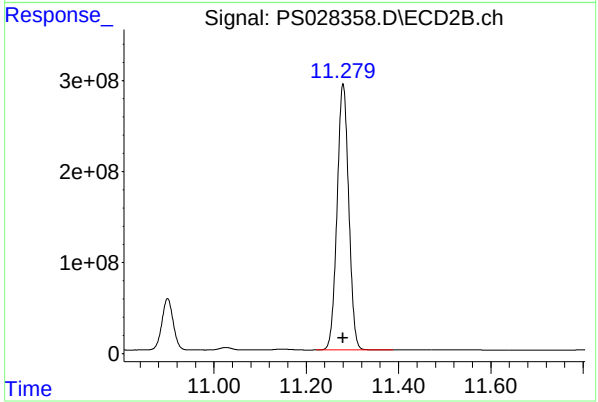
#13 2,4-DB

R.T.: 10.900 min
Delta R.T.: 0.000 min
Response: 951668098
Conc: 712.50 ng/ml



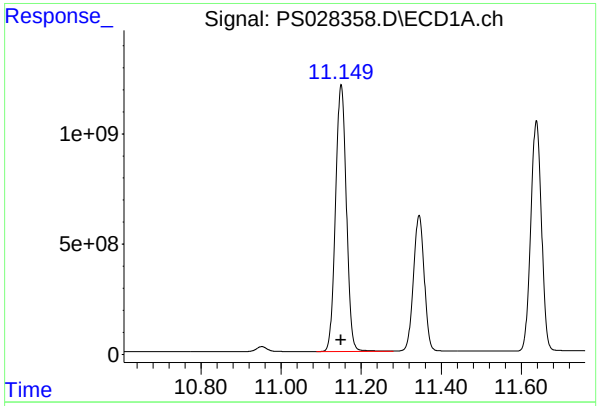
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 11497551761
Conc: 705.00 ng/ml



#14 DINOSEB

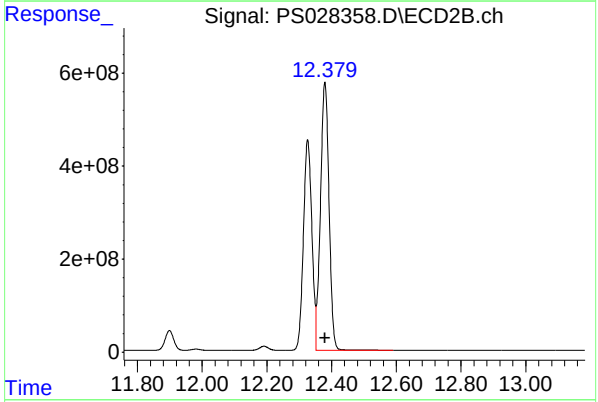
R.T.: 11.280 min
Delta R.T.: 0.000 min
Response: 5116201835
Conc: 705.00 ng/ml



#15 Picloram

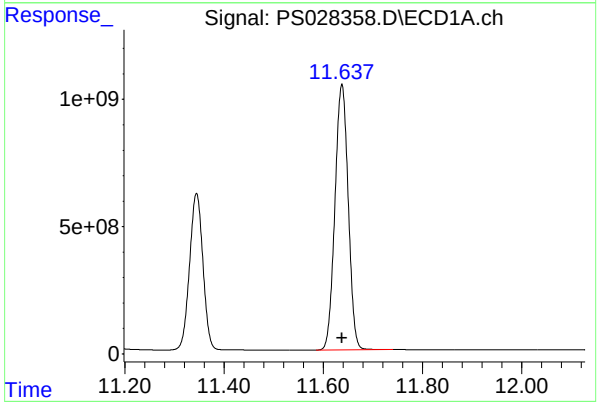
R.T.: 11.150 min
Delta R.T.: 0.000 min
Response: 22736176114
Conc: 712.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC750



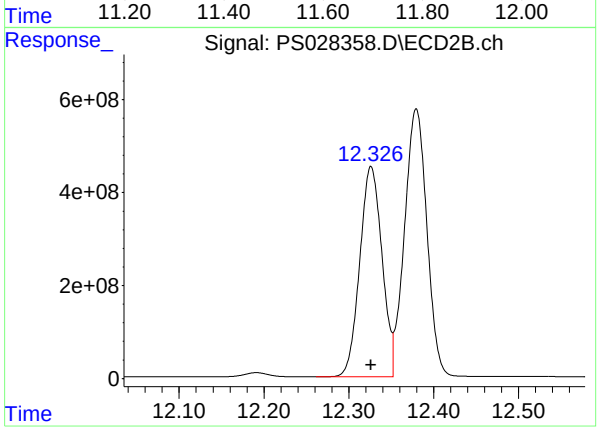
#15 Picloram

R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 10573752786
Conc: 712.50 ng/ml



#16 DCPA

R.T.: 11.637 min
Delta R.T.: 0.000 min
Response: 19400961818
Conc: 720.00 ng/ml



#16 DCPA

R.T.: 12.326 min
Delta R.T.: 0.000 min
Response: 8218014904
Conc: 720.00 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:34
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: Nov 08 16:51:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:51:13 2024
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	7.250	7.756	2619.7E6	1561.0E6	927.932	971.593
	Target Compounds						
1) T	Dalapon	2.648	2.707	3270.7E6	2544.1E6	920.121	894.482
2) T	3,5-DICHL...	6.419	6.707	3538.2E6	2155.4E6	865.823	902.072
3) T	4-Nitroph...	7.049	7.282	1574.2E6	890.6E6	831.961	823.047
5) T	DICAMBA	7.439	7.957	11074.0E6	6814.9E6	907.189	950.556
6) T	MCPP	7.624	8.061	799.7E6	554.7E6	99.240	94.640
7) T	MCPA	7.775	8.307	1044.3E6	728.3E6	93.295	90.284
8) T	DICHLORPROP	8.149	8.674	2780.0E6	1649.5E6	879.003	920.573
9) T	2,4-D	8.380	9.005	3134.4E6	1786.2E6	872.338	917.357
10) T	Pentachlo...	8.680	9.535	41014.3E6	23096.9E6	857.444	909.236
11) T	2,4,5-TP ...	9.260	9.912	17354.1E6	9954.9E6	897.710	929.706
12) T	2,4,5-T	9.553	10.333	17770.3E6	9733.3E6	897.521	927.738
13) T	2,4-DB	10.130	10.900	2871.3E6	1257.6E6	919.198	949.434
14) T	DINOSEB	11.345	11.280	14837.6E6	6699.0E6	899.316	925.415
15) T	Picloram	11.151	12.379	29471.0E6	13946.5E6	924.556	969.627
16) T	DCPA	11.638	12.327	24763.6E6	10644.3E6	906.118	939.422

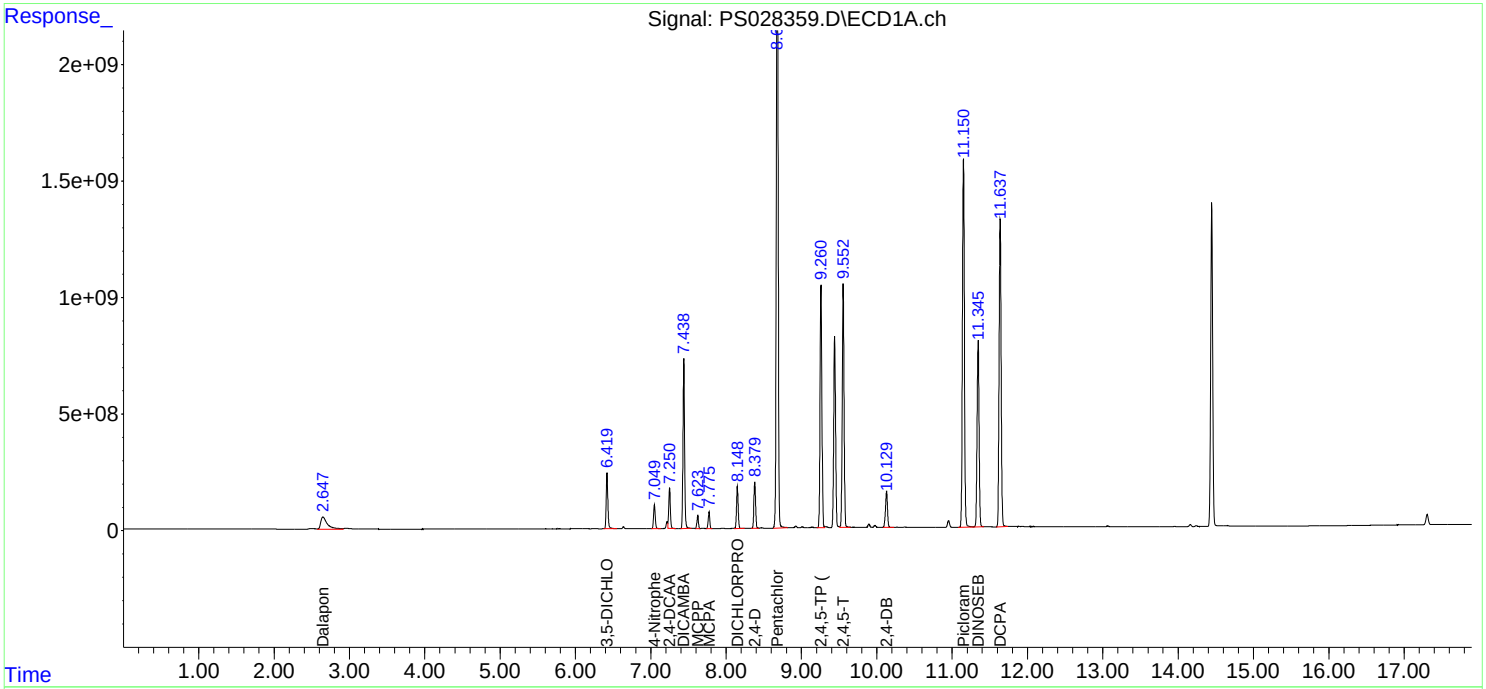
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

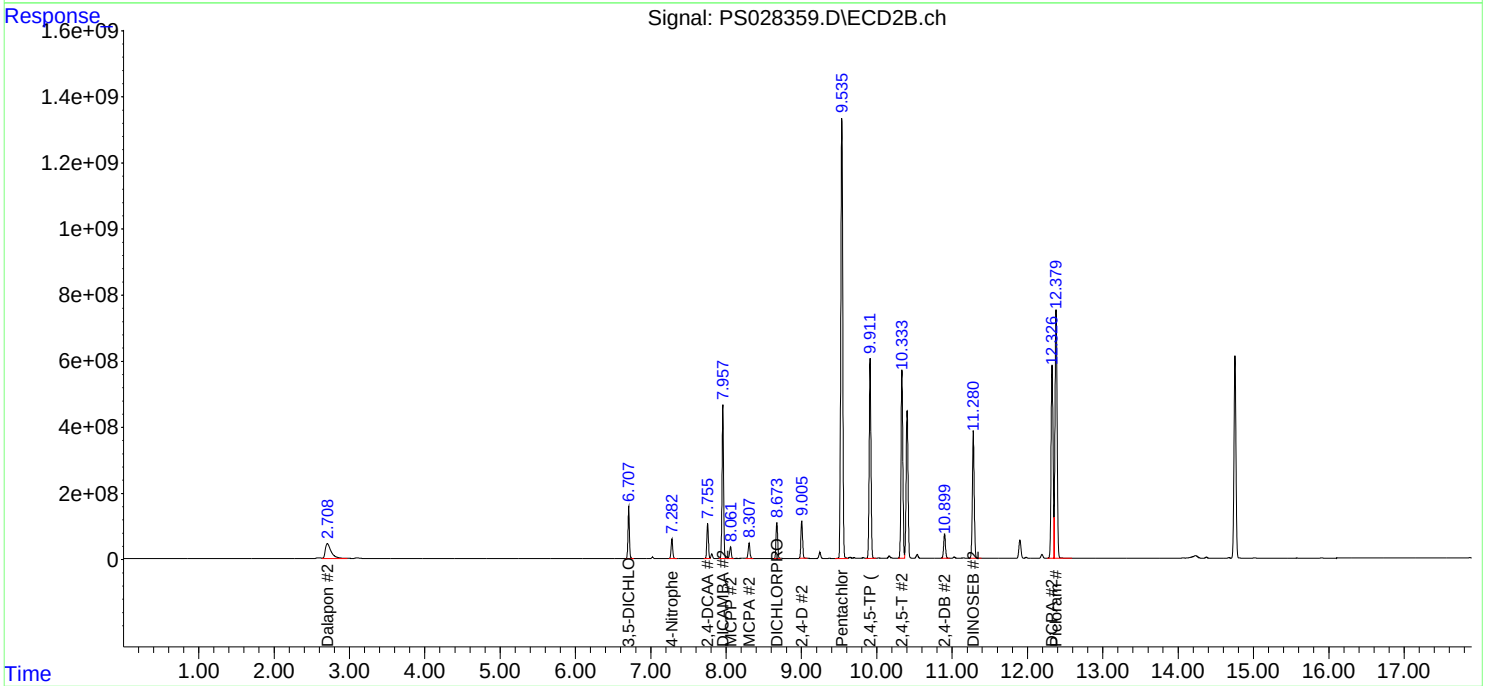
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:34
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

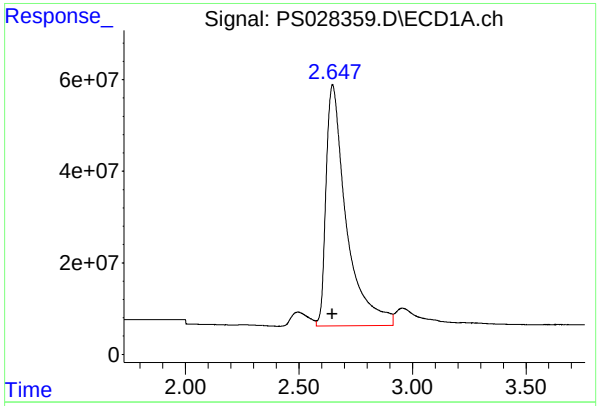
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 16:51:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 16:51:13 2024
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



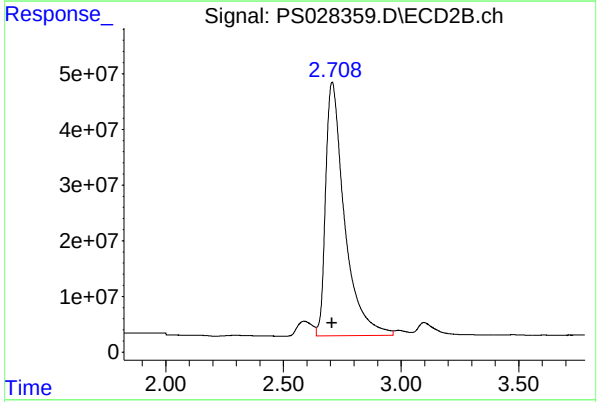




#1 Dalapon

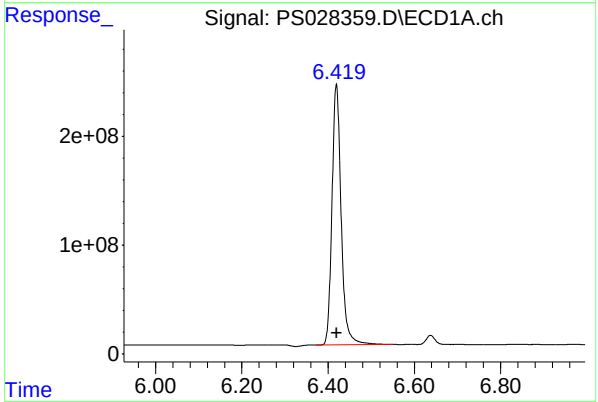
R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 3270715066
Conc: 920.12 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



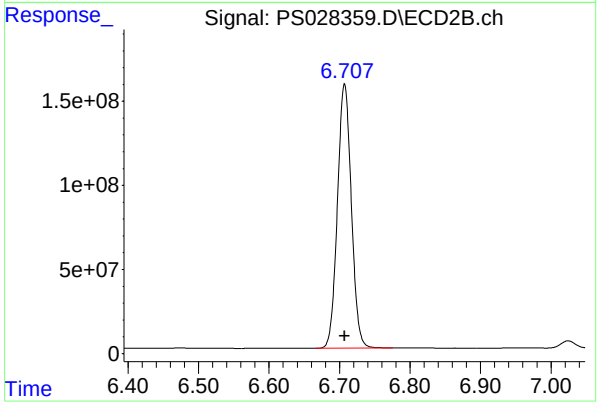
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 2544117188
Conc: 894.48 ng/ml



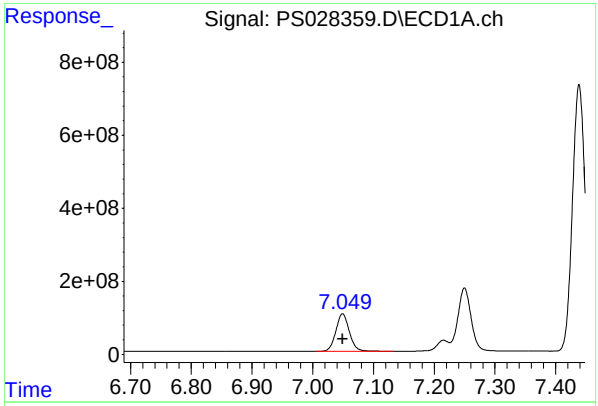
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min
Delta R.T.: 0.000 min
Response: 3538186794
Conc: 865.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

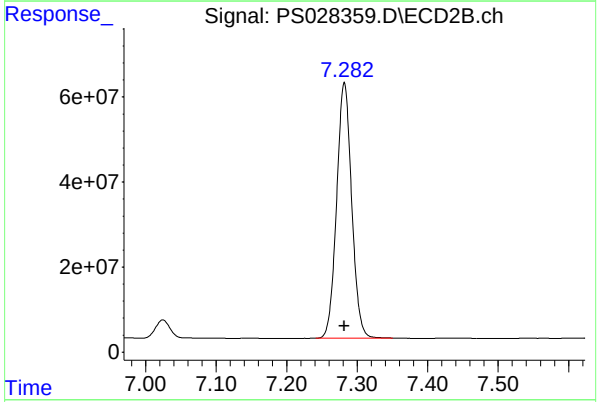
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 2155363012
Conc: 902.07 ng/ml



#3 4-Nitrophenol

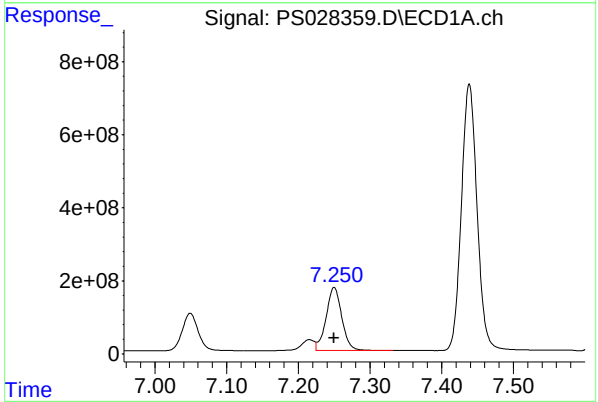
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 1574161691
Conc: 831.96 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



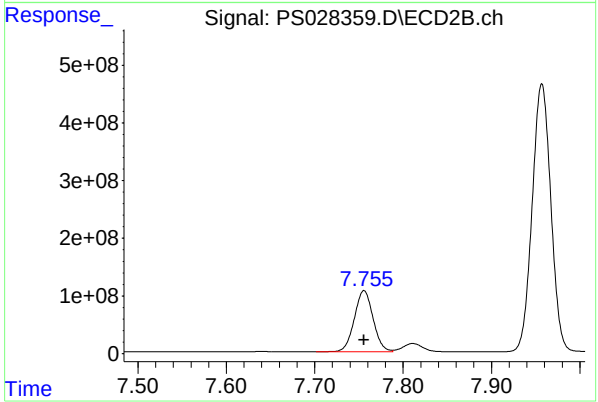
#3 4-Nitrophenol

R.T.: 7.282 min
Delta R.T.: 0.000 min
Response: 890632895
Conc: 823.05 ng/ml



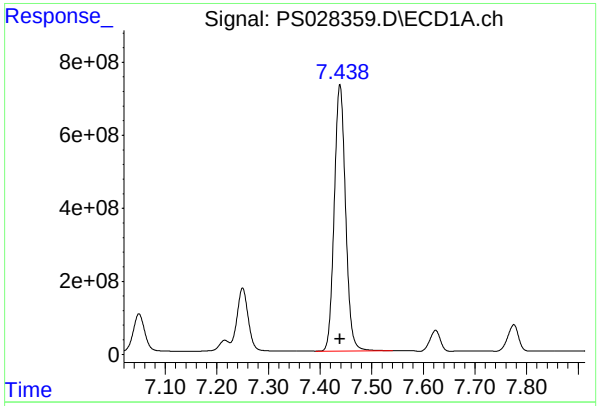
#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 2619650380
Conc: 927.93 ng/ml



#4 2,4-DCAA

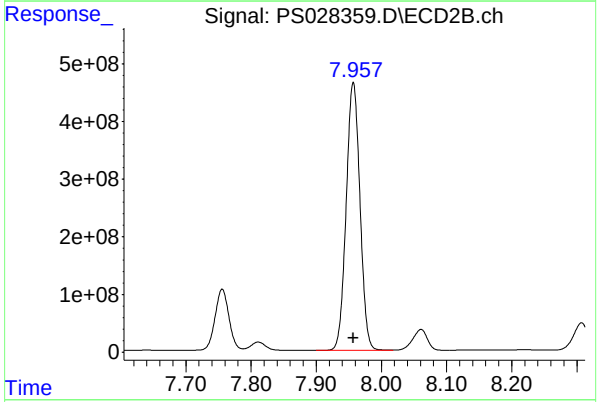
R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 1561036161
Conc: 971.59 ng/ml



#5 DICAMBA

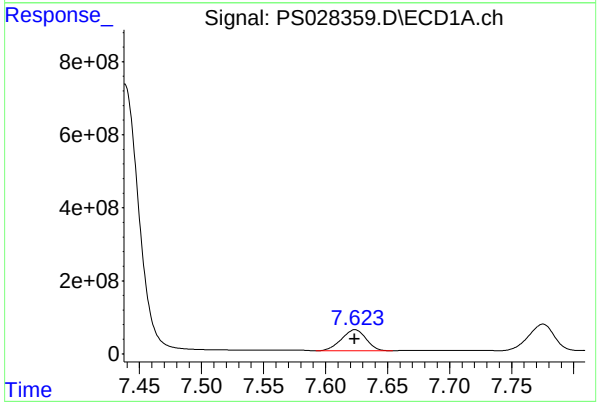
R.T.: 7.439 min
Delta R.T.: 0.000 min
Response: 11074022250
Conc: 907.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



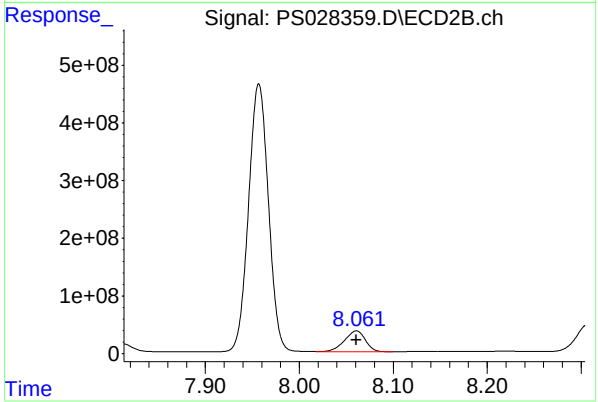
#5 DICAMBA

R.T.: 7.957 min
Delta R.T.: 0.000 min
Response: 6814853654
Conc: 950.56 ng/ml



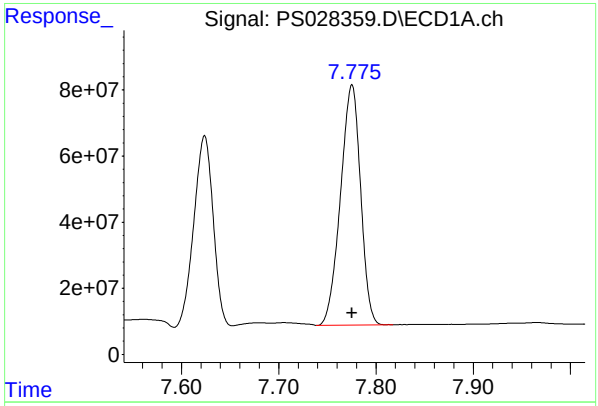
#6 MCPP

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 799730338
Conc: 99.24 ug/ml



#6 MCPP

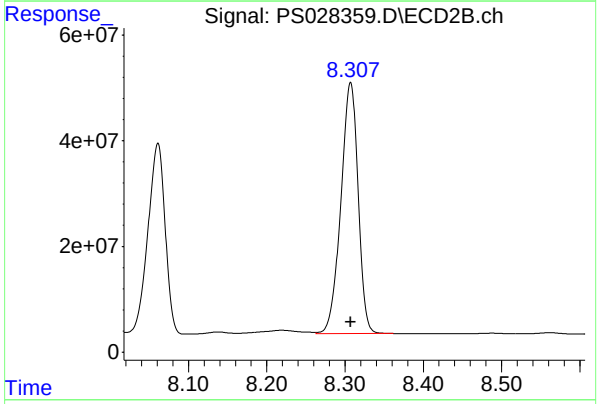
R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 554711111
Conc: 94.64 ug/ml



#7 MCPA

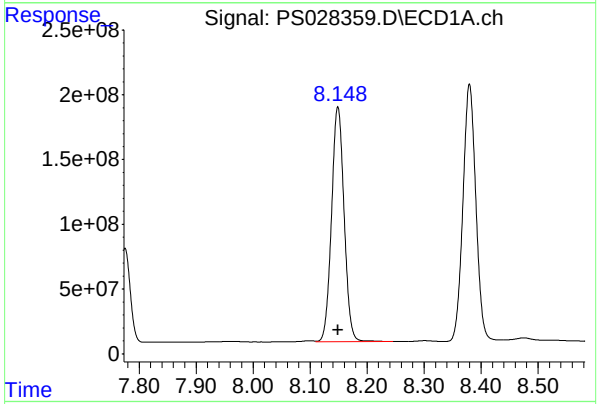
R.T.: 7.775 min
Delta R.T.: 0.000 min
Response: 1044279531
Conc: 93.30 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



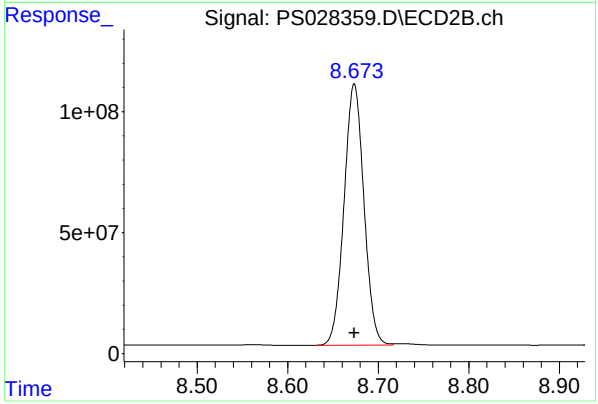
#7 MCPA

R.T.: 8.307 min
Delta R.T.: 0.000 min
Response: 728316132
Conc: 90.28 ug/ml



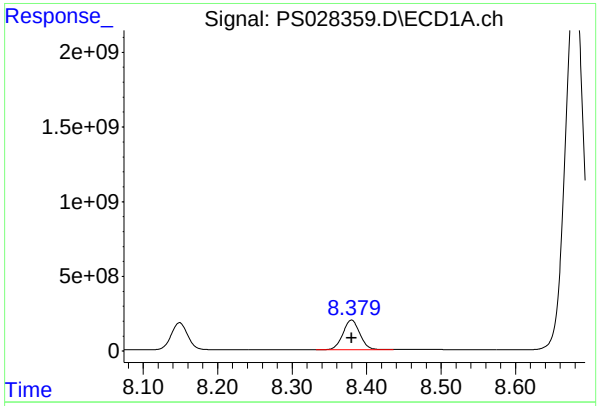
#8 DICHLORPROP

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 2780009467
Conc: 879.00 ng/ml



#8 DICHLORPROP

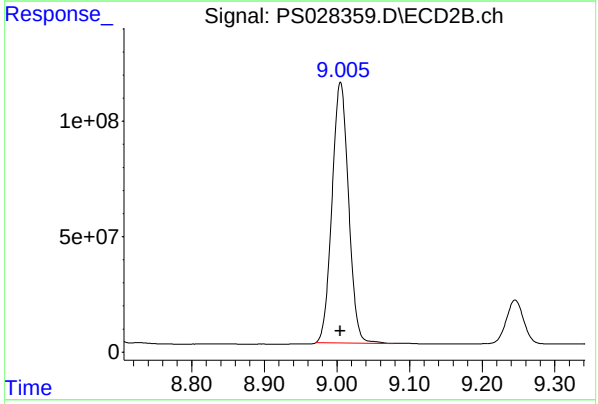
R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 1649489927
Conc: 920.57 ng/ml



#9 2,4-D

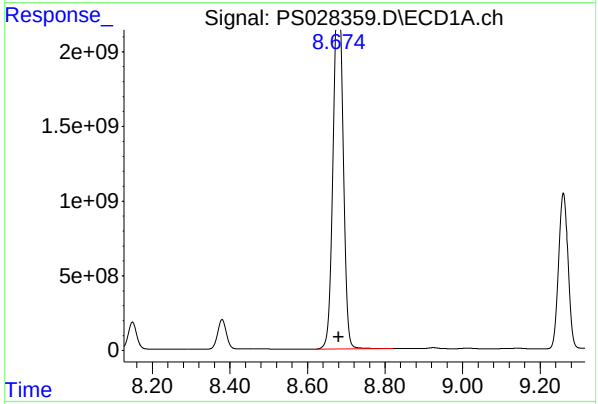
R.T.: 8.380 min
Delta R.T.: 0.000 min
Response: 3134393350
Conc: 872.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



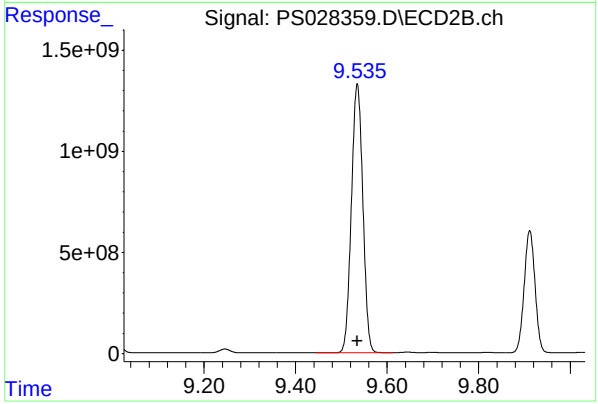
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 1786209012
Conc: 917.36 ng/ml



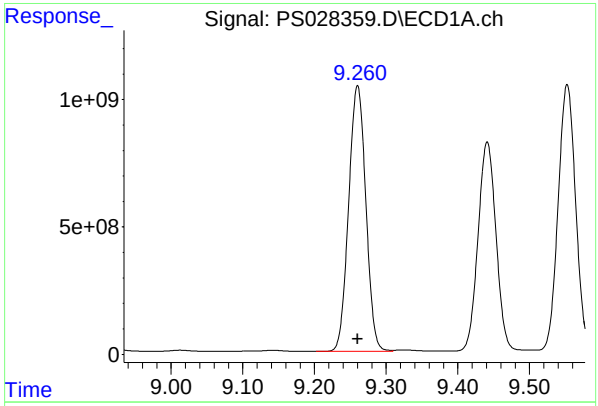
#10 Pentachlorophenol

R.T.: 8.680 min
Delta R.T.: 0.000 min
Response: 41014346625
Conc: 857.44 ng/ml



#10 Pentachlorophenol

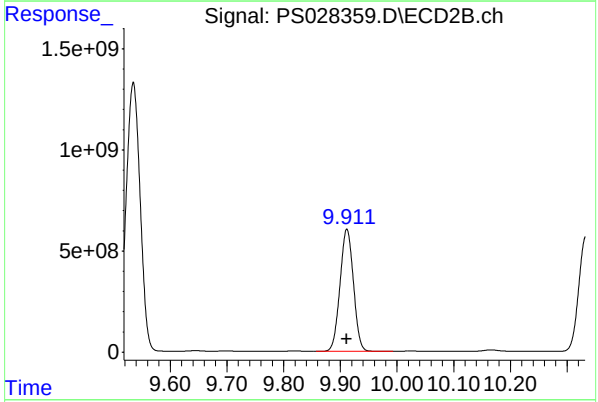
R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 23096944109
Conc: 909.24 ng/ml



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

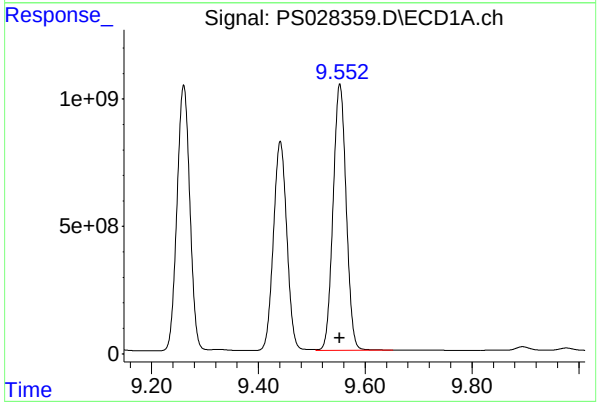
R.T.: 9.260 min
Delta R.T.: 0.000 min
Response: 17354102166
Conc: 897.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



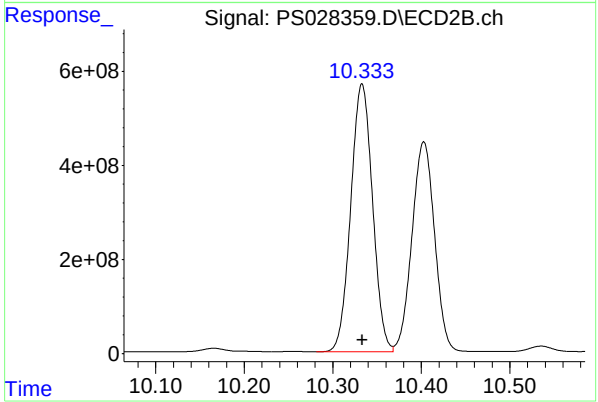
#11 2,4,5-TP (SILVEX)

R.T.: 9.912 min
Delta R.T.: 0.000 min
Response: 9954874094
Conc: 929.71 ng/ml



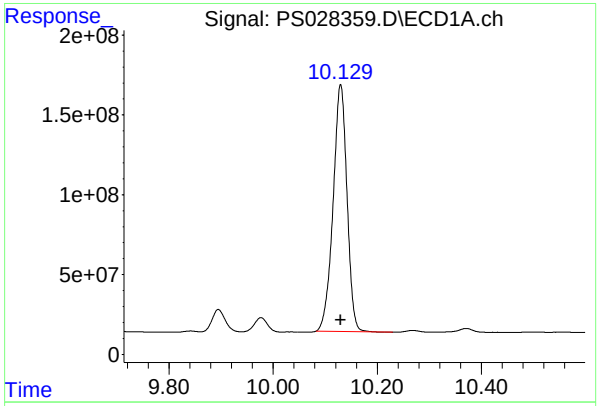
#12 2,4,5-T

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 17770250745
Conc: 897.52 ng/ml



#12 2,4,5-T

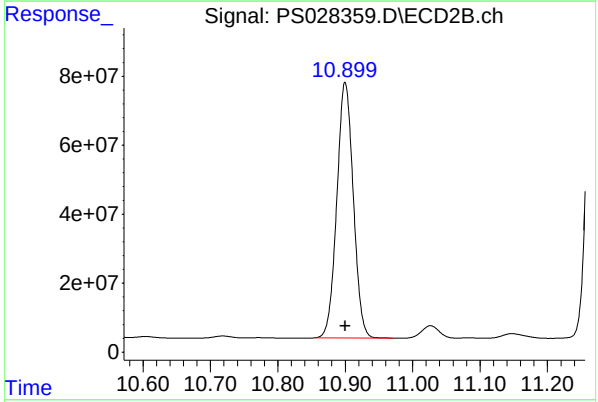
R.T.: 10.333 min
Delta R.T.: 0.000 min
Response: 9733283848
Conc: 927.74 ng/ml



#13 2,4-DB

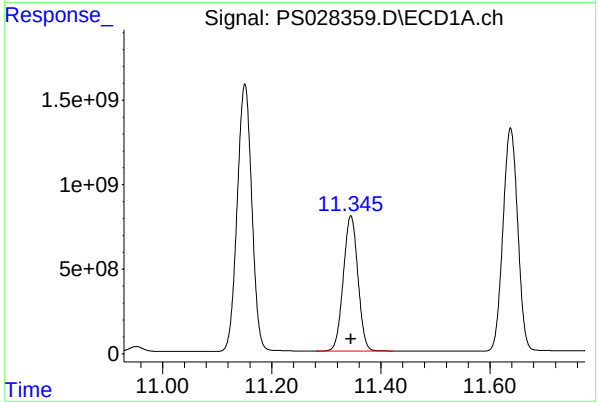
R.T.: 10.130 min
Delta R.T.: 0.000 min
Response: 2871292595
Conc: 919.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



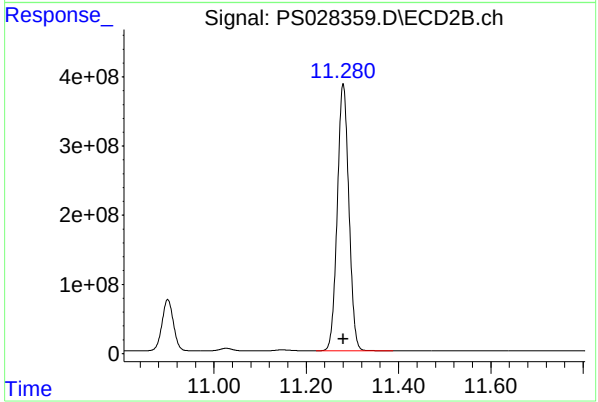
#13 2,4-DB

R.T.: 10.900 min
Delta R.T.: 0.000 min
Response: 1257572219
Conc: 949.43 ng/ml



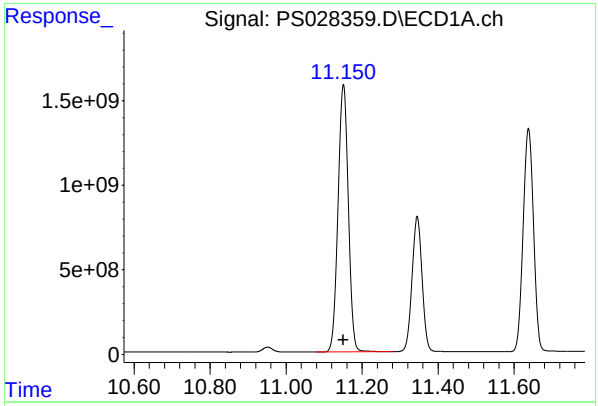
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 14837623195
Conc: 899.32 ng/ml



#14 DINOSEB

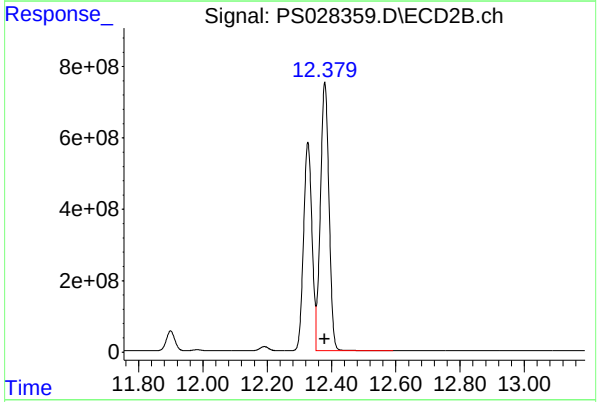
R.T.: 11.280 min
Delta R.T.: 0.000 min
Response: 6698995898
Conc: 925.41 ng/ml



#15 Picloram

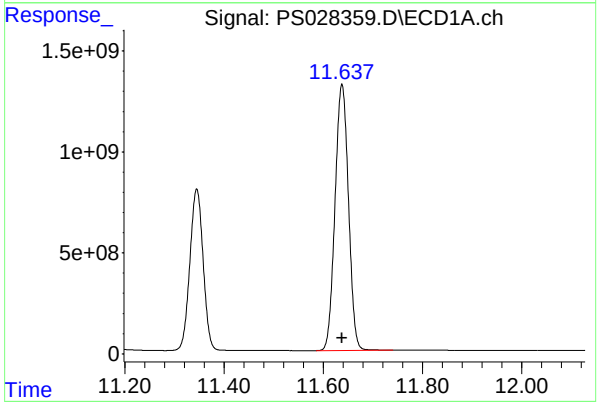
R.T.: 11.151 min
Delta R.T.: 0.000 min
Response: 29471001283
Conc: 924.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000



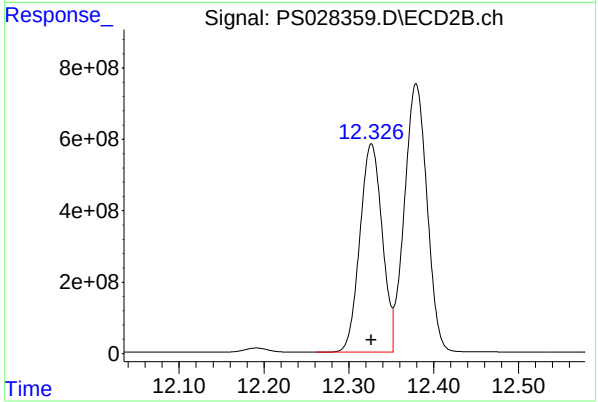
#15 Picloram

R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 13946482810
Conc: 969.63 ng/ml



#16 DCPA

R.T.: 11.638 min
Delta R.T.: 0.000 min
Response: 24763594697
Conc: 906.12 ng/ml



#16 DCPA

R.T.: 12.327 min
Delta R.T.: 0.000 min
Response: 10644252073
Conc: 939.42 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:58
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 17:45:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:45:39 2024
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	7.250	7.755	3767.0E6	2310.6E6	1364.492	1450.086
		Target Compounds						
1)	T	Dalapon	2.650	2.707	4944.0E6	3823.9E6	1385.601	1348.490
2)	T	3,5-DICHL...	6.420	6.707	5107.0E6	3191.5E6	1276.301	1347.181
3)	T	4-Nitroph...	7.049	7.281	2324.2E6	1319.3E6	1253.460	1245.836
5)	T	DICAMBA	7.439	7.957	16040.0E6	10110.0E6	1332.146	1410.143
6)	T	MCPP	7.628	8.064	1220.9E6	835.8E6	149.279	142.280
7)	T	MCPA	7.779	8.312	1574.5E6	1084.0E6	140.433	135.369
8)	T	DICHLORPROP	8.149	8.674	4014.9E6	2452.1E6	1295.283	1376.618
9)	T	2,4-D	8.380	9.005	4510.1E6	2651.6E6	1283.392	1371.186
10)	T	Pentachlo...	8.683	9.536	48275.3E6	32737.8E6	1071.782	1313.882
11)	T	2,4,5-TP ...	9.261	9.912	24679.1E6	14436.4E6	1303.775	1362.929
12)	T	2,4,5-T	9.553	10.334	25233.9E6	14128.2E6	1301.992	1361.617
13)	T	2,4-DB	10.130	10.900	4217.5E6	1892.7E6	1364.499	1428.147
14)	T	DINOSEB	11.345	11.280	21251.0E6	9772.8E6	1310.710	1361.620
15)	T	Picloram	11.150	12.379	42075.2E6	20561.5E6	1339.720	1428.629
16)	T	DCPA	11.638	12.326	35013.3E6	15448.5E6	1310.064	1378.083

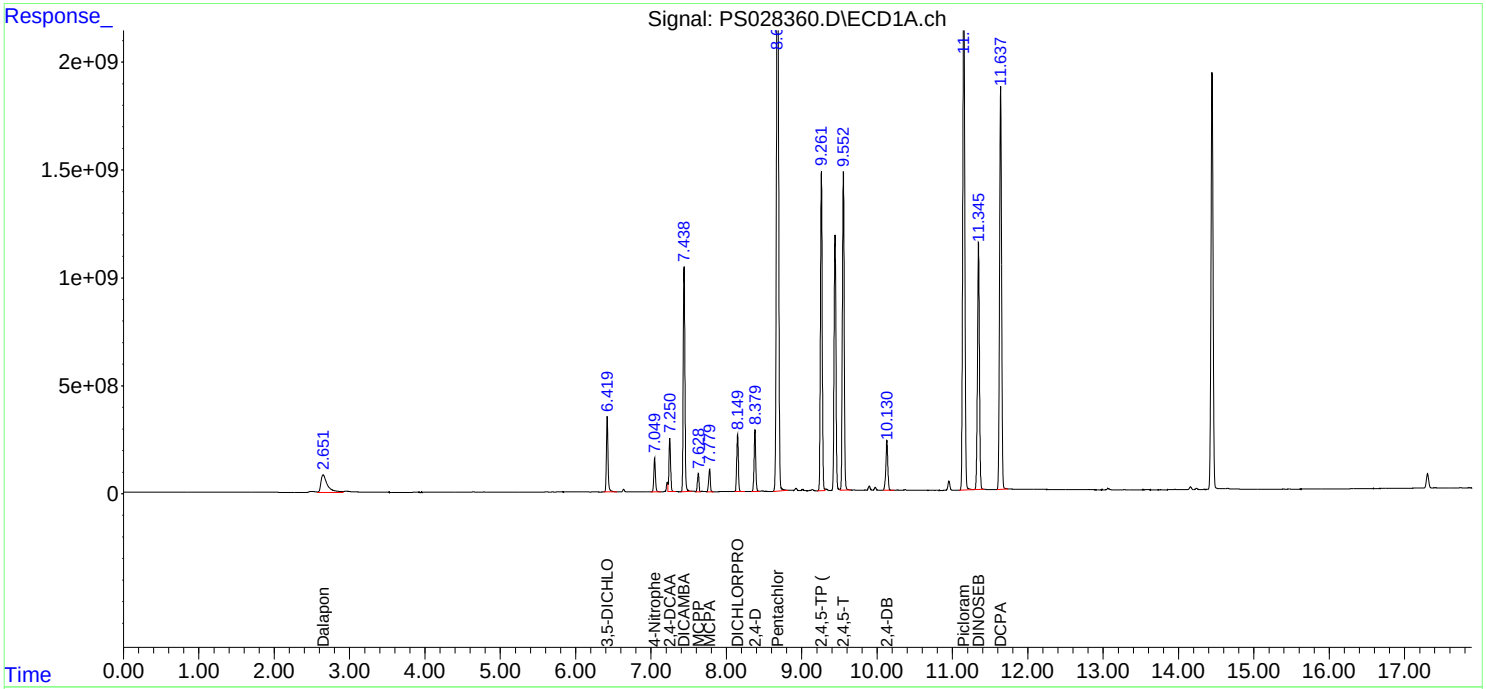
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

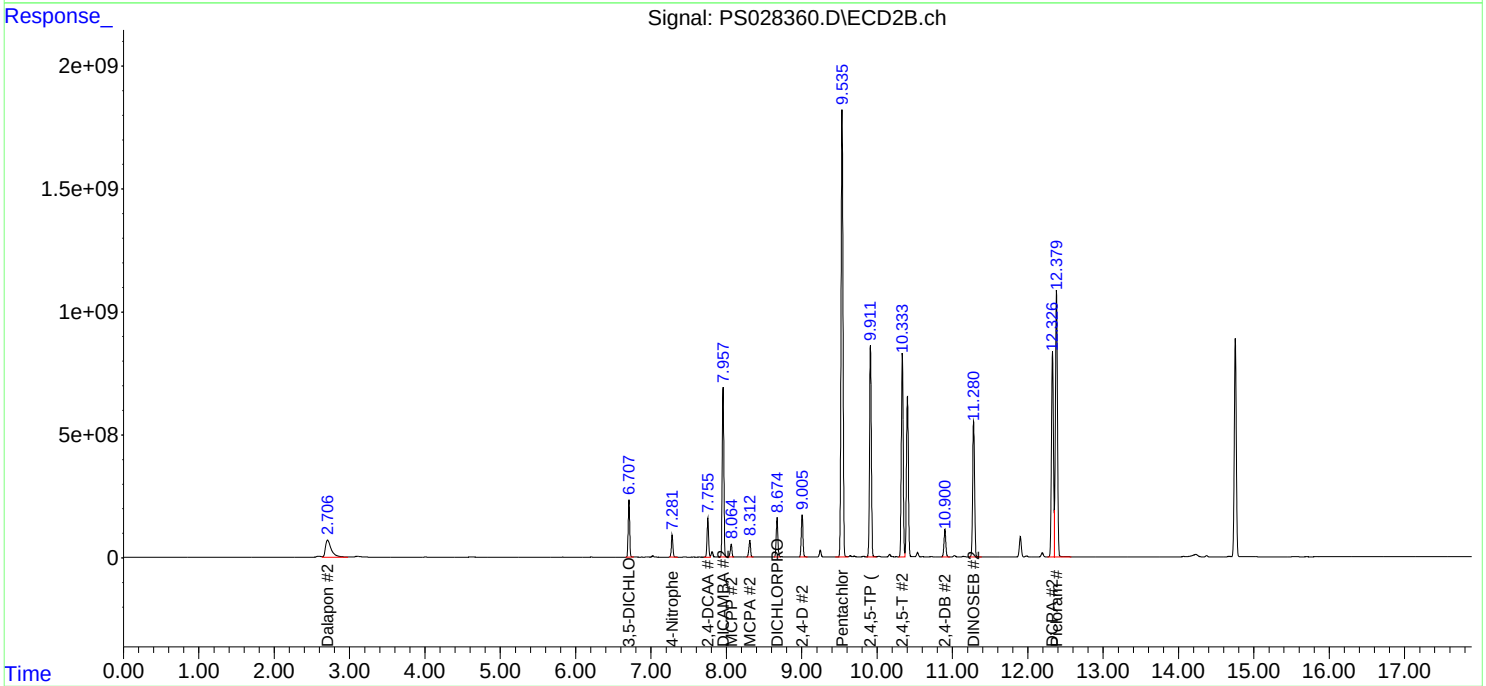
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 16:58
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

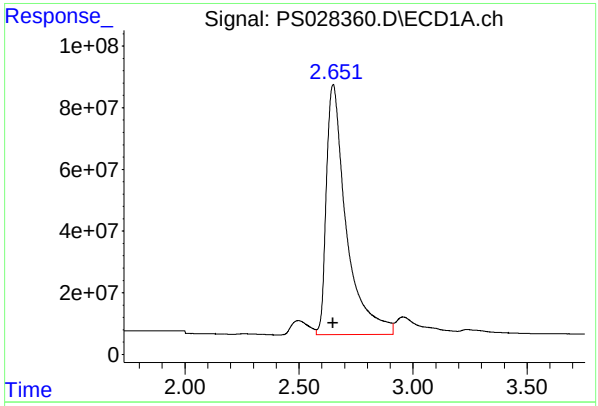
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 17:45:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:45:39 2024
Response via : Initial Calibration
Integrator: ChemStation

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



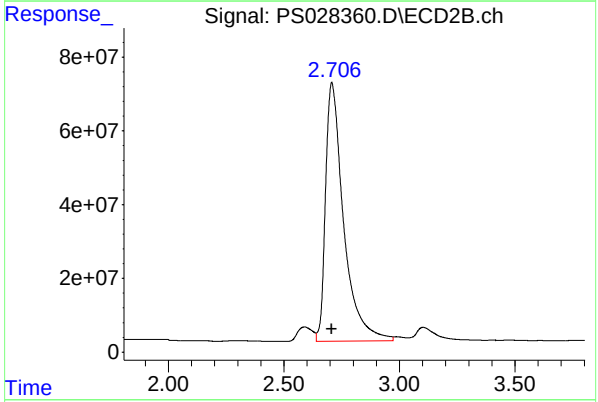




#1 Dalapon

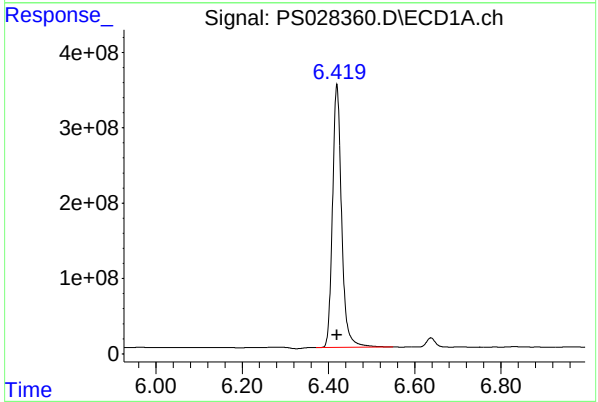
R.T.: 2.650 min
Delta R.T.: 0.000 min
Response: 4943995132
Conc: 1385.60 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



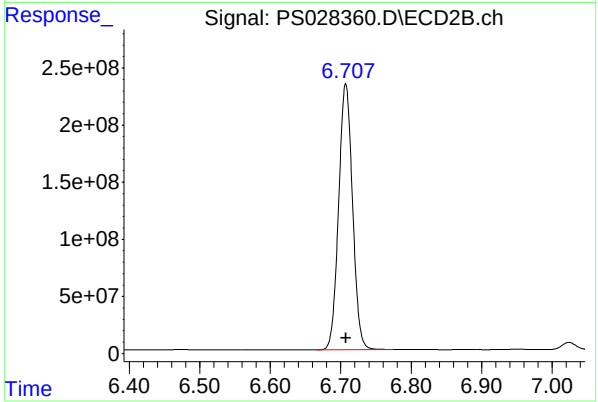
#1 Dalapon

R.T.: 2.707 min
Delta R.T.: 0.000 min
Response: 3823859225
Conc: 1348.49 ng/ml



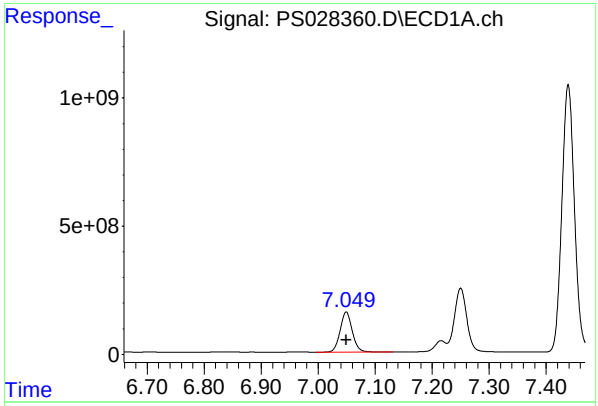
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.420 min
Delta R.T.: 0.000 min
Response: 5106970626
Conc: 1276.30 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

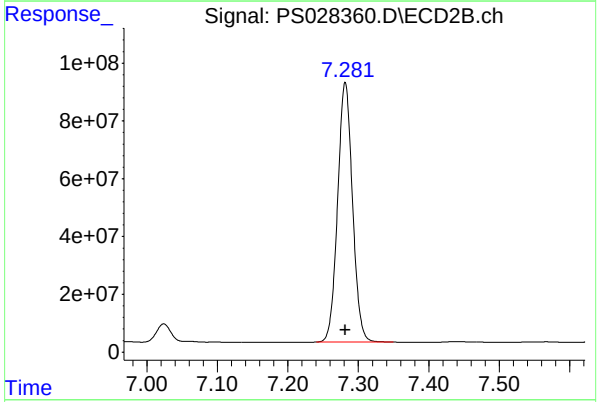
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 3191533888
Conc: 1347.18 ng/ml



#3 4-Nitrophenol

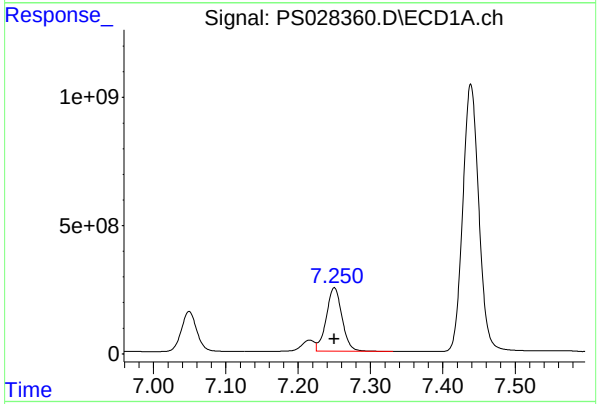
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 2324202590
Conc: 1253.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



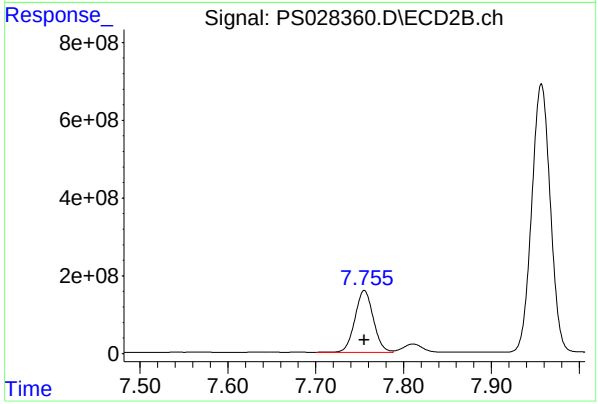
#3 4-Nitrophenol

R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 1319345810
Conc: 1245.84 ng/ml



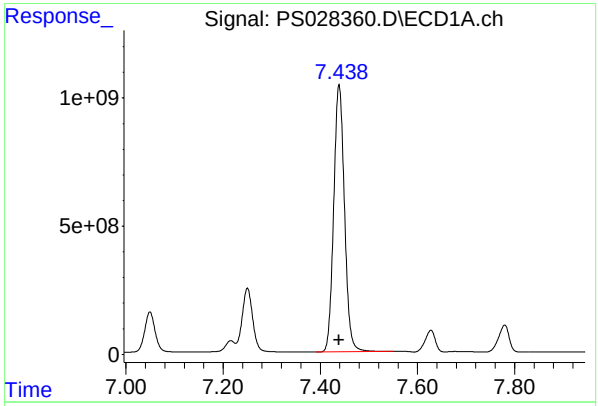
#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 3767026606
Conc: 1364.49 ng/ml



#4 2,4-DCAA

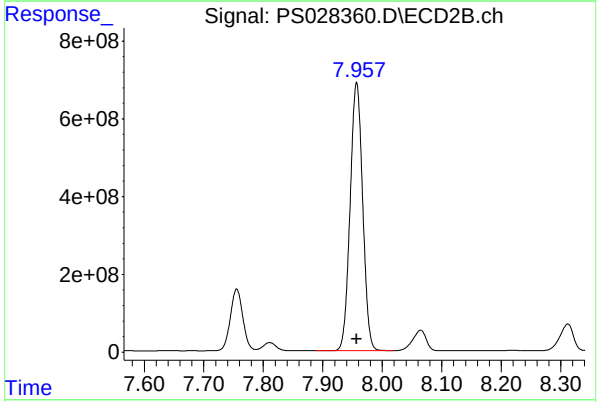
R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 2310598469
Conc: 1450.09 ng/ml



#5 DICAMBA

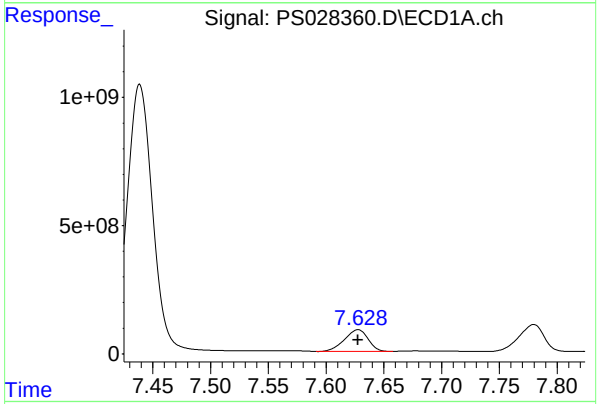
R.T.: 7.439 min
Delta R.T.: 0.000 mi
Response: 16040039382
Conc: 1332.15 ng/m

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



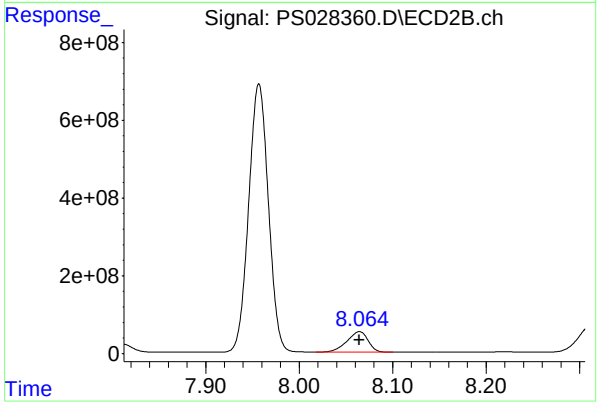
#5 DICAMBA

R.T.: 7.957 min
Delta R.T.: 0.000 min
Response: 10110039761
Conc: 1410.14 ng/ml



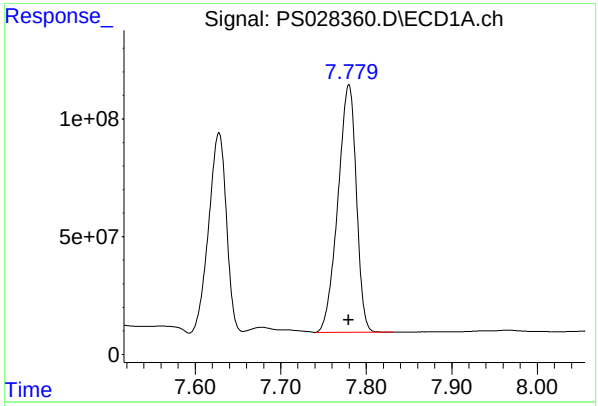
#6 MCPP

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 1220894839
Conc: 149.28 ug/ml



#6 MCPP

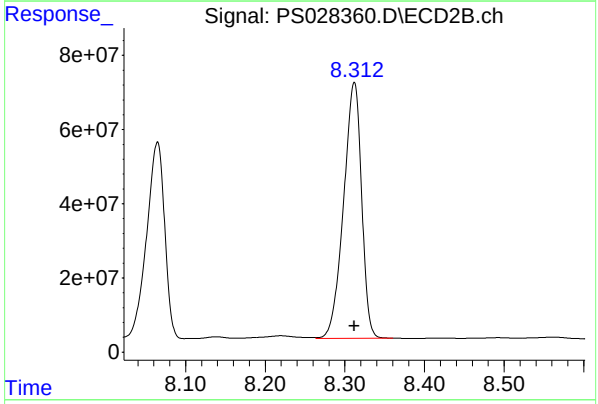
R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 835834793
Conc: 142.28 ug/ml



#7 MCPA

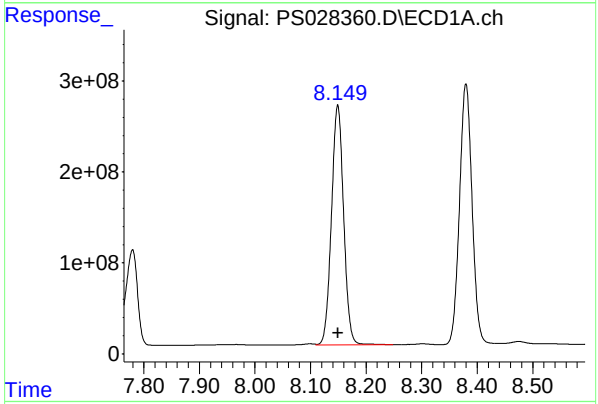
R.T.: 7.779 min
Delta R.T.: 0.000 min
Response: 1574543293
Conc: 140.43 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



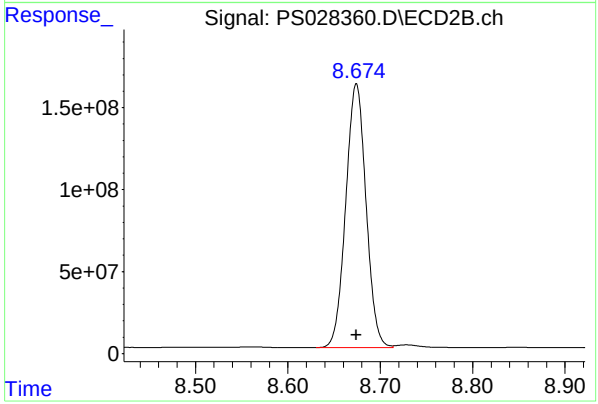
#7 MCPA

R.T.: 8.312 min
Delta R.T.: 0.000 min
Response: 1083987558
Conc: 135.37 ug/ml



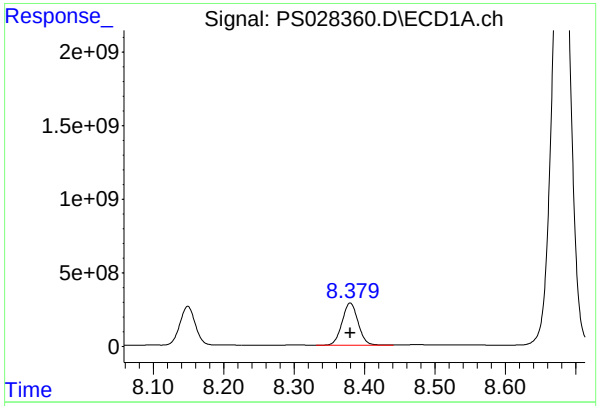
#8 DICHLORPROP

R.T.: 8.149 min
Delta R.T.: 0.000 min
Response: 4014910412
Conc: 1295.28 ng/ml



#8 DICHLORPROP

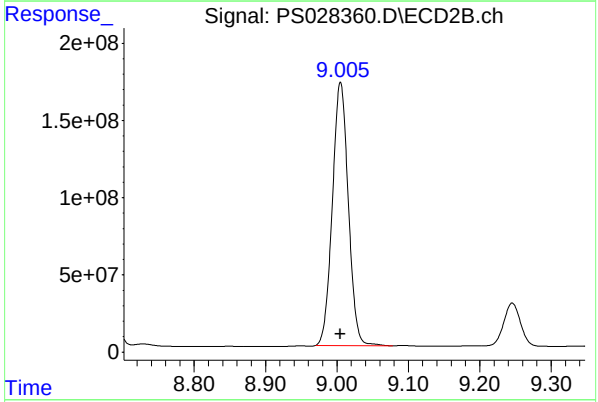
R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 2452120847
Conc: 1376.62 ng/ml



#9 2,4-D

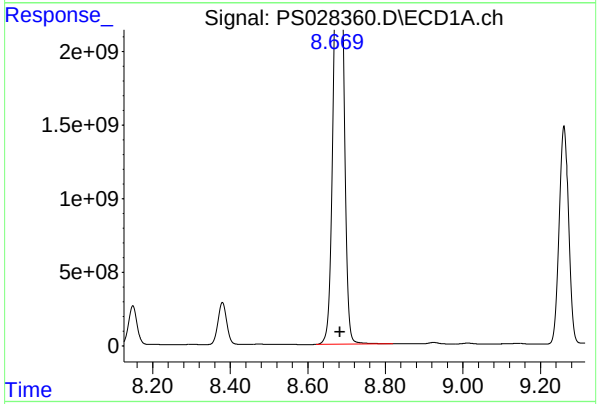
R.T.: 8.380 min
Delta R.T.: 0.000 min
Response: 4510103474
Conc: 1283.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



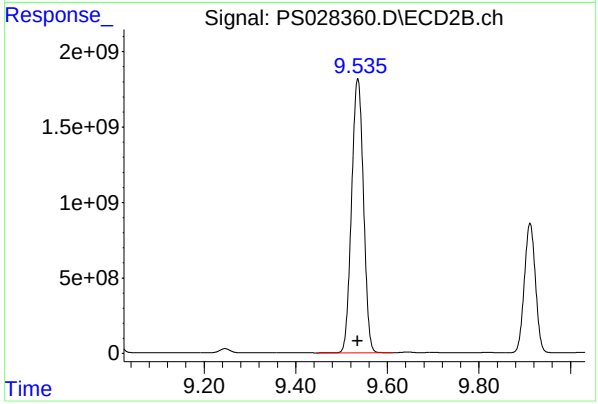
#9 2,4-D

R.T.: 9.005 min
Delta R.T.: 0.000 min
Response: 2651622360
Conc: 1371.19 ng/ml



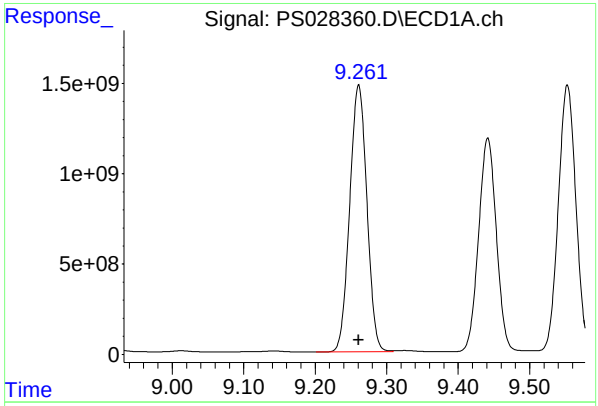
#10 Pentachlorophenol

R.T.: 8.683 min
Delta R.T.: 0.000 min
Response: 48275306691
Conc: 1071.78 ng/ml



#10 Pentachlorophenol

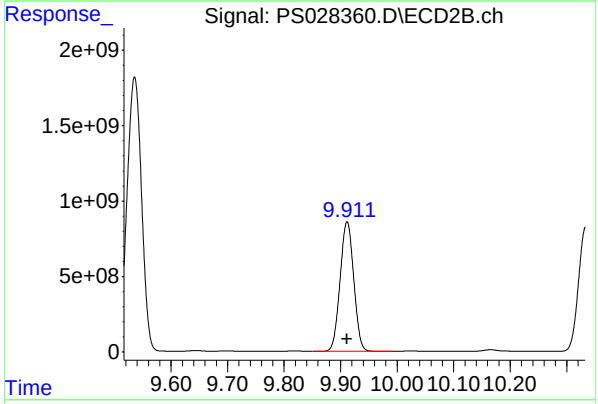
R.T.: 9.536 min
Delta R.T.: 0.000 min
Response: 32737779904
Conc: 1313.88 ng/ml



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

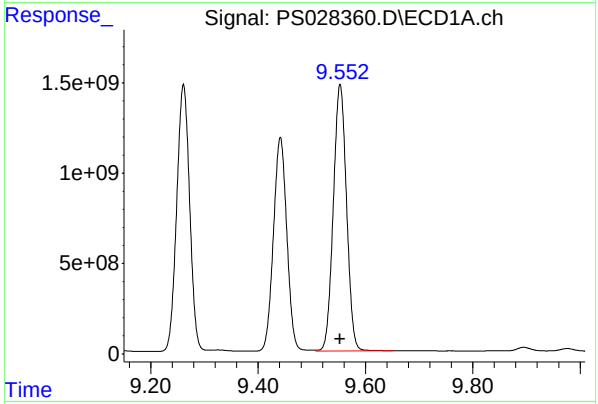
R.T.: 9.261 min
Delta R.T.: 0.000 min
Response: 24679107573
Conc: 1303.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



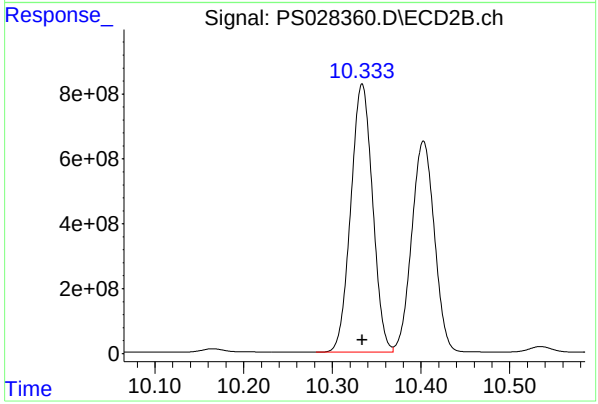
#11 2,4,5-TP (SILVEX)

R.T.: 9.912 min
Delta R.T.: 0.000 min
Response: 14436419409
Conc: 1362.93 ng/ml



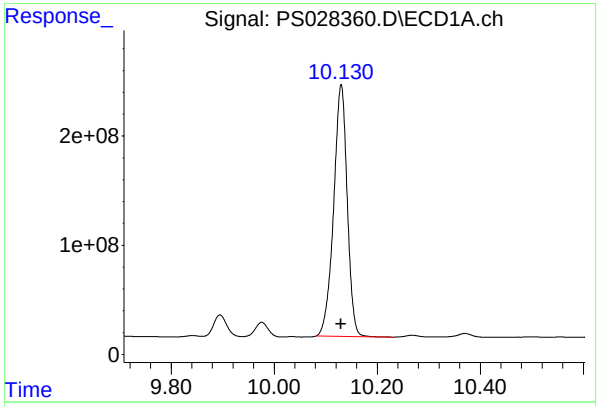
#12 2,4,5-T

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 25233907570
Conc: 1301.99 ng/ml



#12 2,4,5-T

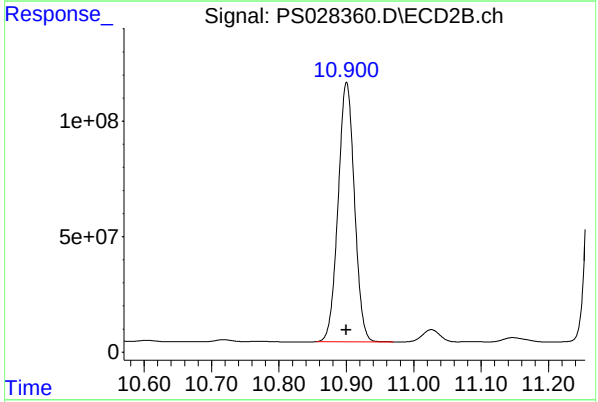
R.T.: 10.334 min
Delta R.T.: 0.000 min
Response: 14128177959
Conc: 1361.62 ng/ml



#13 2,4-DB

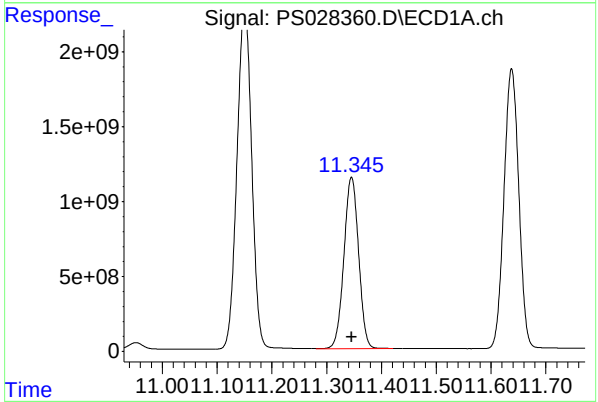
R.T.: 10.130 min
Delta R.T.: 0.000 min
Response: 4217507931
Conc: 1364.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



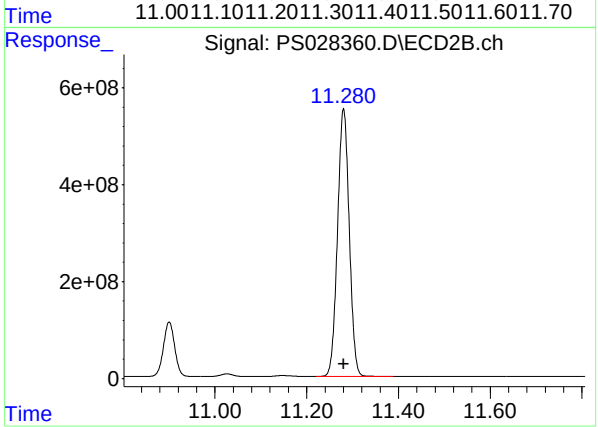
#13 2,4-DB

R.T.: 10.900 min
Delta R.T.: 0.000 min
Response: 1892695801
Conc: 1428.15 ng/ml



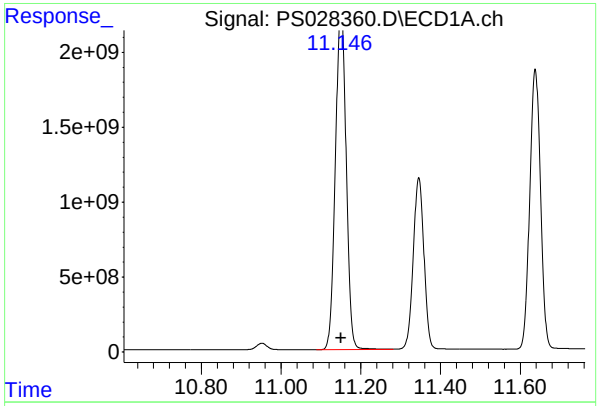
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 21251009185
Conc: 1310.71 ng/ml



#14 DINOSEB

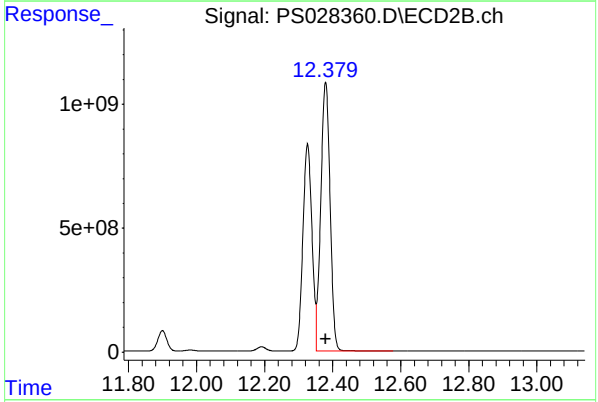
R.T.: 11.280 min
Delta R.T.: 0.000 min
Response: 9772817977
Conc: 1361.62 ng/ml



#15 Picloram

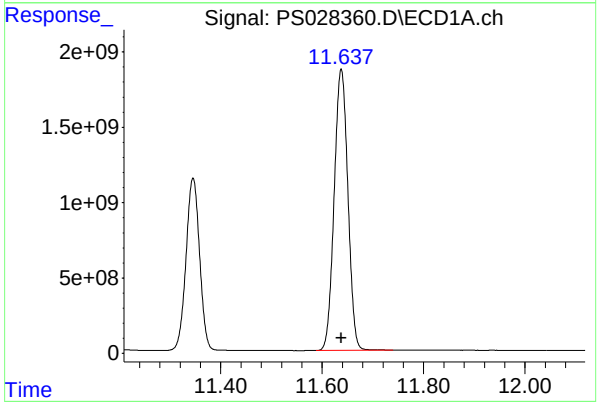
R.T.: 11.150 min
Delta R.T.: 0.000 min
Response: 42075187489
Conc: 1339.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDICC1500



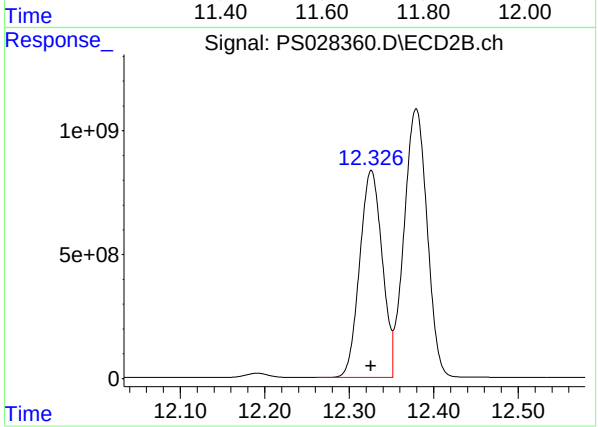
#15 Picloram

R.T.: 12.379 min
Delta R.T.: 0.000 min
Response: 20561549940
Conc: 1428.63 ng/ml



#16 DCPA

R.T.: 11.638 min
Delta R.T.: 0.000 min
Response: 35013315200
Conc: 1310.06 ng/ml



#16 DCPA

R.T.: 12.326 min
Delta R.T.: 0.000 min
Response: 15448505368
Conc: 1378.08 ng/ml

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:22
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS110924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 17:51:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
4) S	2,4-DCAA	7.250	7.755	2008.0E6	1166.4E6	727.352	732.006
	Target Compounds						
1) T	Dalapon	2.648	2.710	2420.5E6	1889.2E6	678.377	666.240
2) T	3,5-DICHL...	6.419	6.707	2702.1E6	1609.9E6	675.295	679.566
3) T	4-Nitroph...	7.049	7.281	1174.4E6	662.7E6	633.348	625.805
5) T	DICAMBA	7.438	7.957	8390.9E6	5041.1E6	696.873	703.125
6) T	MCPP	7.622	8.059	578.6E6	406.9E6	70.744	69.262
7) T	MCPA	7.772	8.304	766.9E6	541.7E6	68.403	67.647
8) T	DICHLORPROP	8.148	8.674	2122.7E6	1230.1E6	684.806	690.570
9) T	2,4-D	8.379	9.004	2394.4E6	1336.5E6	681.345	691.114
10) T	Pentachlo...	8.679	9.535	33172.6E6	17646.2E6	736.479	708.202
11) T	2,4,5-TP ...	9.260	9.911	13283.0E6	7469.4E6	701.729	705.181
12) T	2,4,5-T	9.553	10.332	13622.9E6	7304.6E6	702.901	703.987
13) T	2,4-DB	10.129	10.900	2161.5E6	928.2E6	699.310	700.354
14) T	DINOSEB	11.345	11.280	11126.8E6	4918.7E6	686.276	685.314
15) T	Picloram	11.150	12.378	22320.9E6	10335.0E6	710.722	718.084
16) T	DCPA	11.637	12.325	18930.3E6	7984.4E6	708.298	712.248

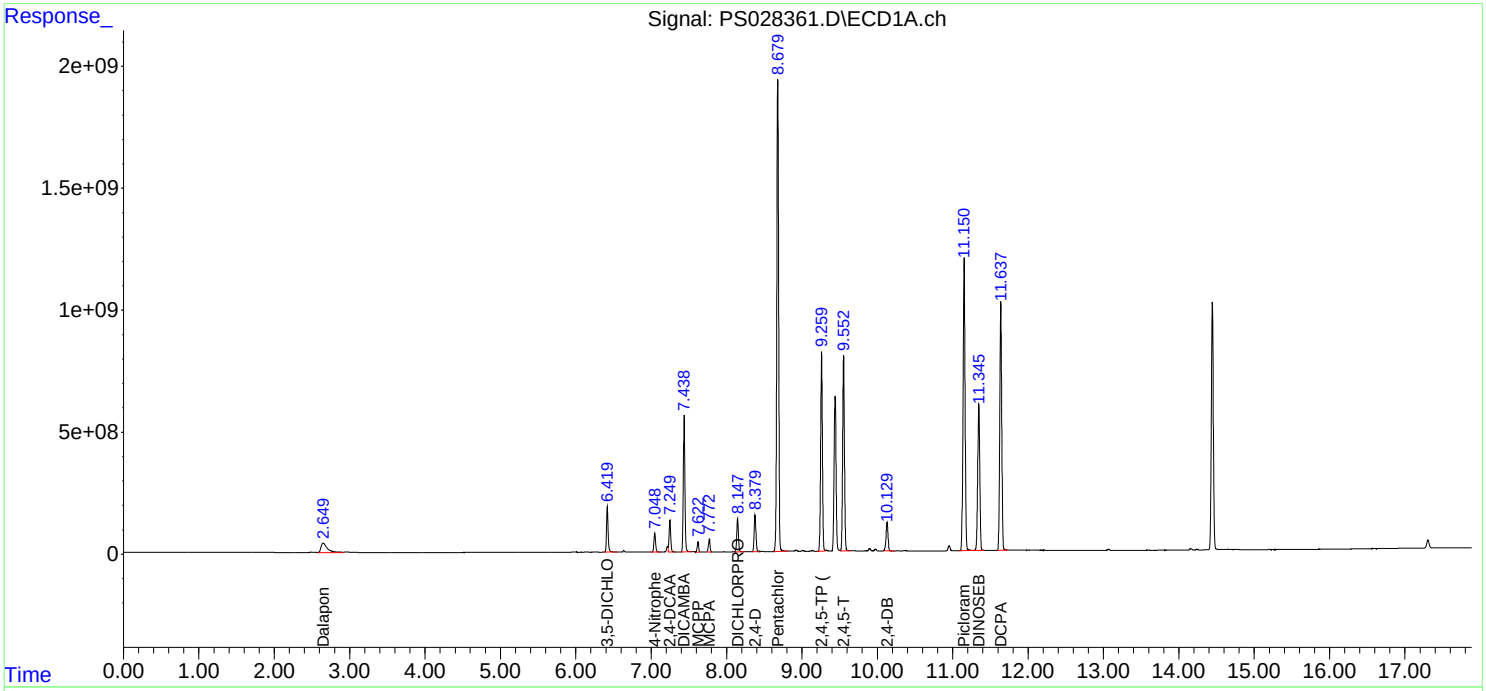
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

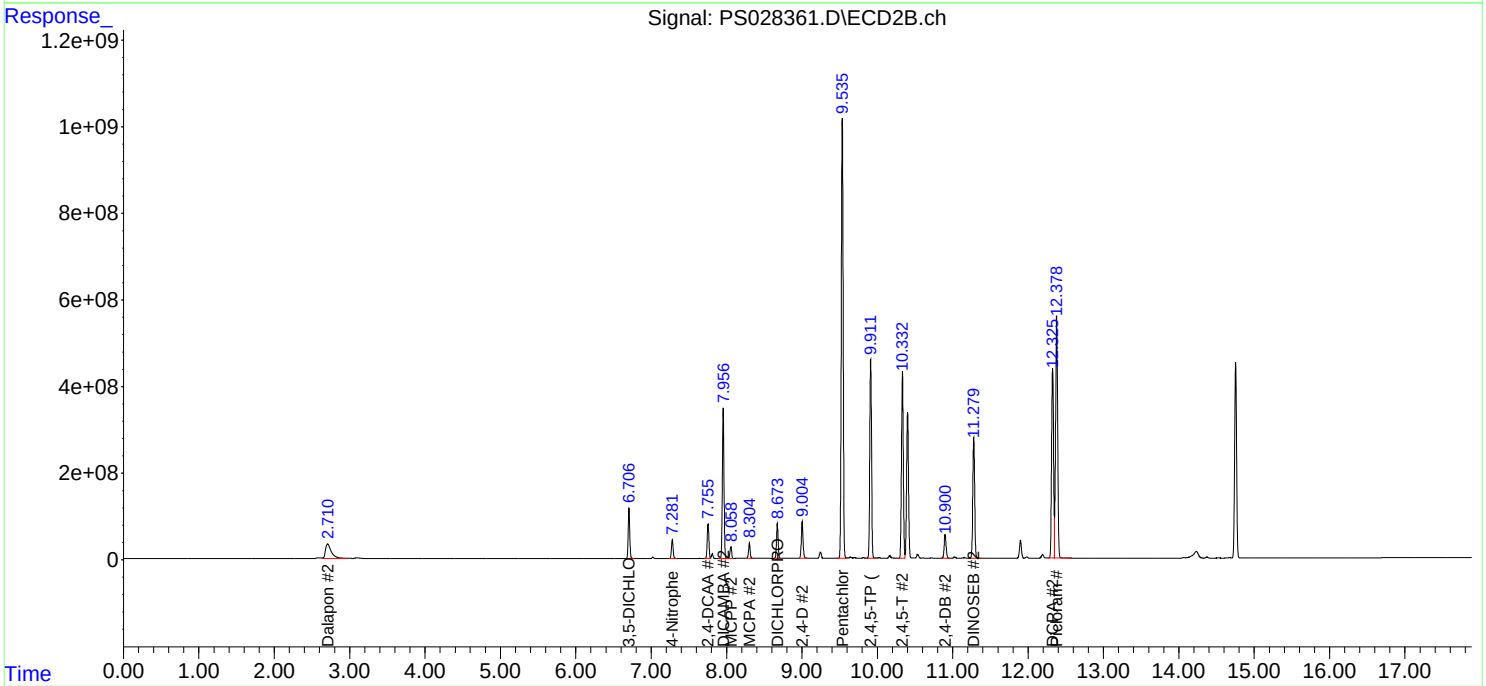
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 17:22
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

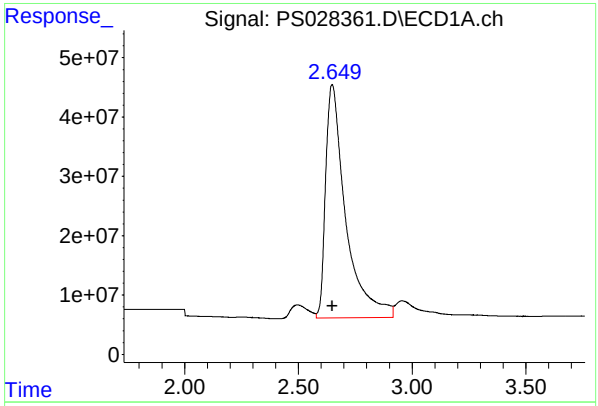
Instrument :
ECD_S
ClientSampleId :
ICVPS110924

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 17:51:02 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



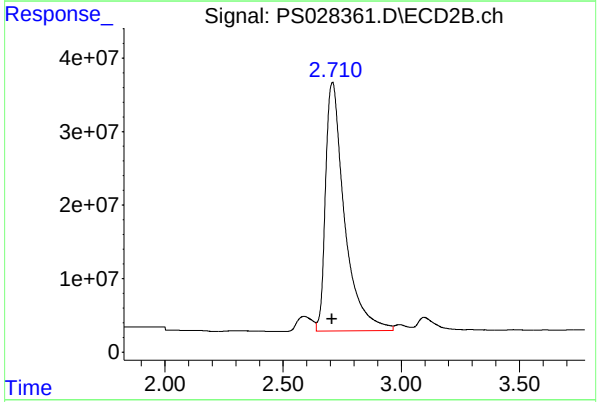




#1 Dalapon

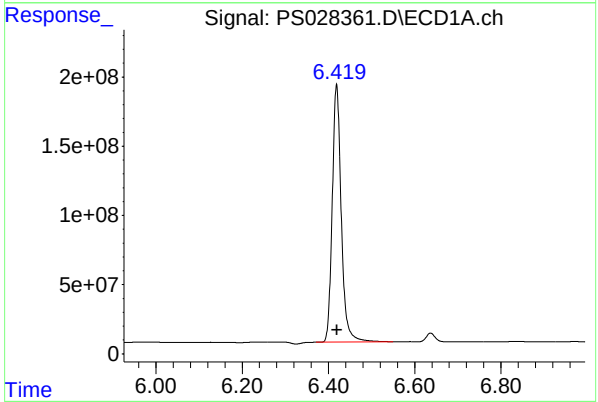
R.T.: 2.648 min
Delta R.T.: -0.002 min
Response: 2420530621
Conc: 678.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



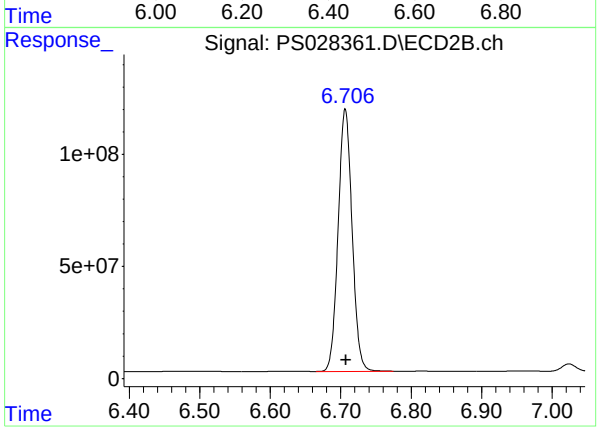
#1 Dalapon

R.T.: 2.710 min
Delta R.T.: 0.003 min
Response: 1889230146
Conc: 666.24 ng/ml



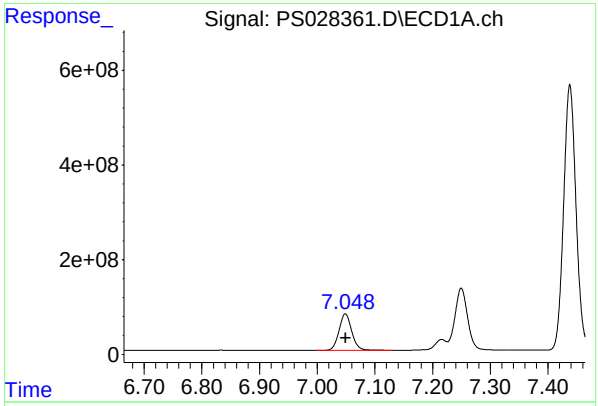
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.419 min
Delta R.T.: 0.000 min
Response: 2702112985
Conc: 675.29 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

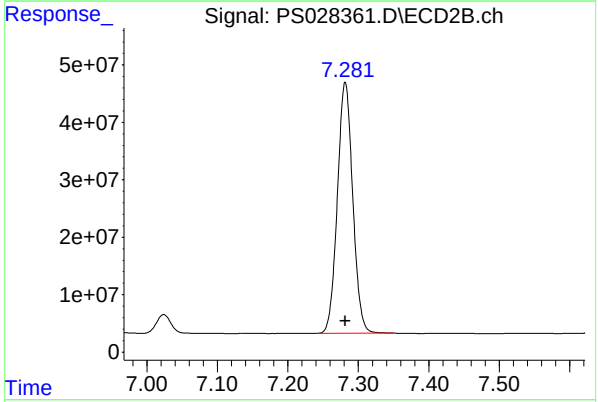
R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 1609922638
Conc: 679.57 ng/ml



#3 4-Nitrophenol

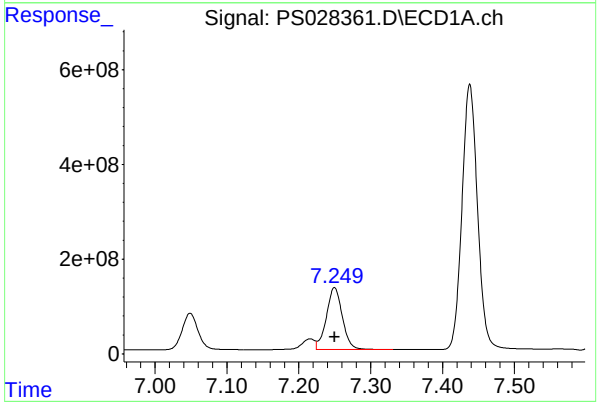
R.T.: 7.049 min
Delta R.T.: 0.000 min
Response: 1174371914
Conc: 633.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



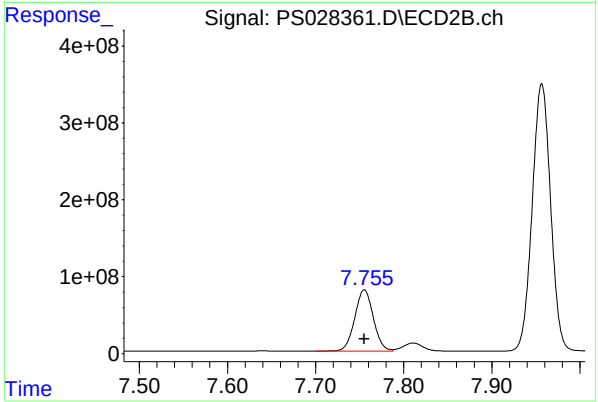
#3 4-Nitrophenol

R.T.: 7.281 min
Delta R.T.: 0.000 min
Response: 662730225
Conc: 625.80 ng/ml



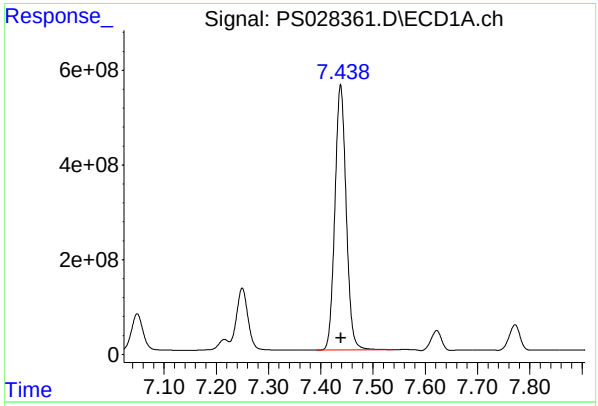
#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 2008039122
Conc: 727.35 ng/ml



#4 2,4-DCAA

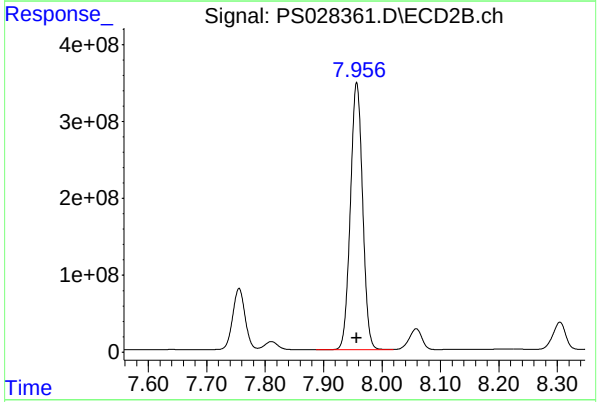
R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 1166394095
Conc: 732.01 ng/ml



#5 DICAMBA

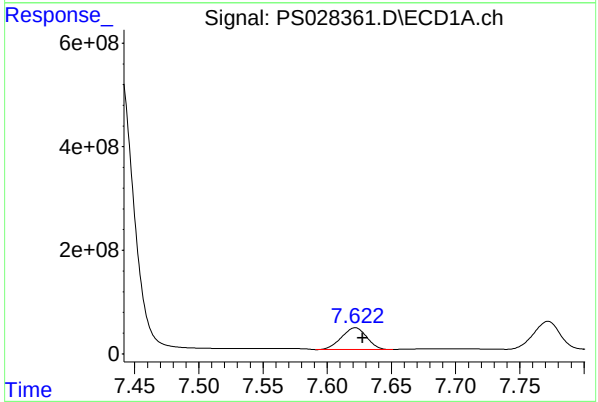
R.T.: 7.438 min
Delta R.T.: 0.000 min
Response: 8390867441
Conc: 696.87 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



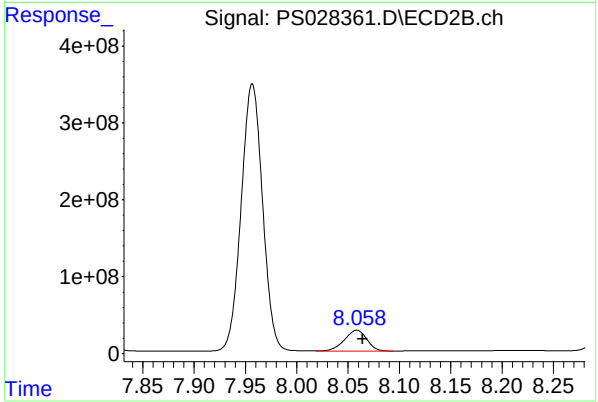
#5 DICAMBA

R.T.: 7.957 min
Delta R.T.: 0.000 min
Response: 5041063574
Conc: 703.12 ng/ml



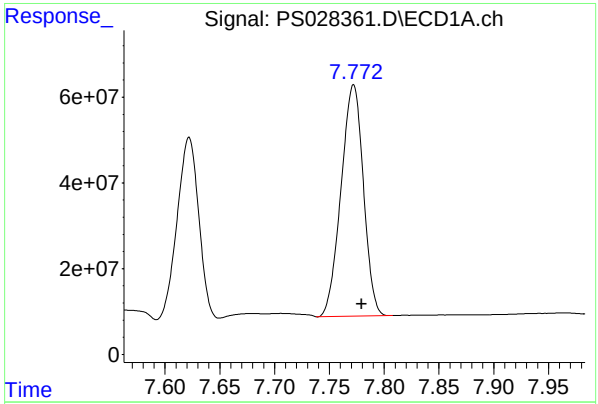
#6 MCPP

R.T.: 7.622 min
Delta R.T.: -0.006 min
Response: 578590579
Conc: 70.74 ug/ml



#6 MCPP

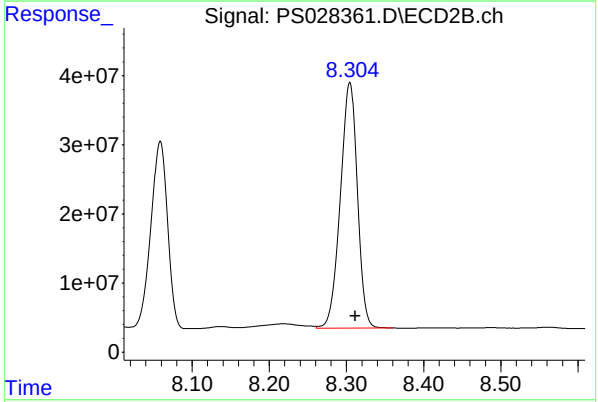
R.T.: 8.059 min
Delta R.T.: -0.006 min
Response: 406883010
Conc: 69.26 ug/ml



#7 MCPA

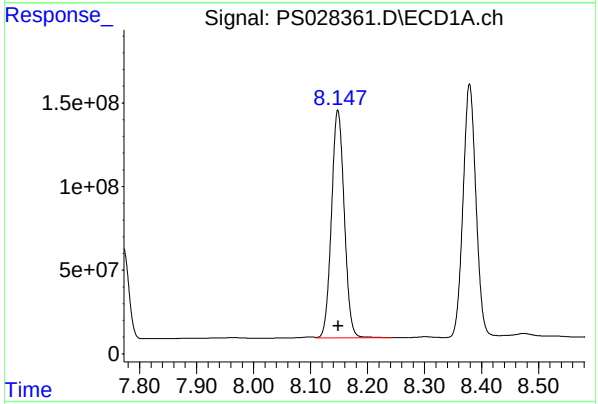
R.T.: 7.772 min
Delta R.T.: -0.008 min
Response: 766933119
Conc: 68.40 ug/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



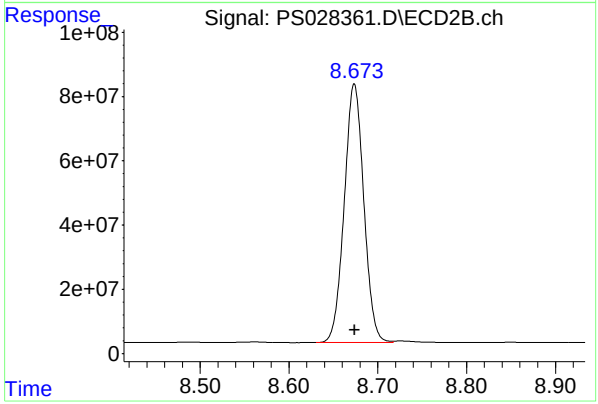
#7 MCPA

R.T.: 8.304 min
Delta R.T.: -0.007 min
Response: 541693818
Conc: 67.65 ug/ml



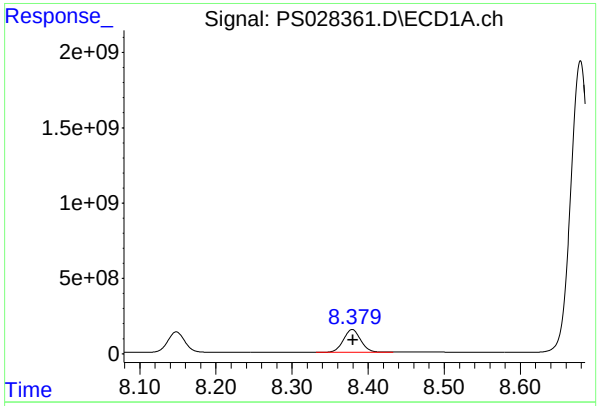
#8 DICHLORPROP

R.T.: 8.148 min
Delta R.T.: 0.000 min
Response: 2122652558
Conc: 684.81 ng/ml



#8 DICHLORPROP

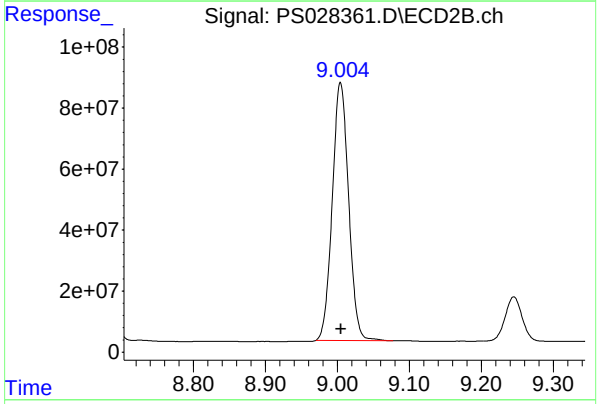
R.T.: 8.674 min
Delta R.T.: 0.000 min
Response: 1230087577
Conc: 690.57 ng/ml



#9 2,4-D

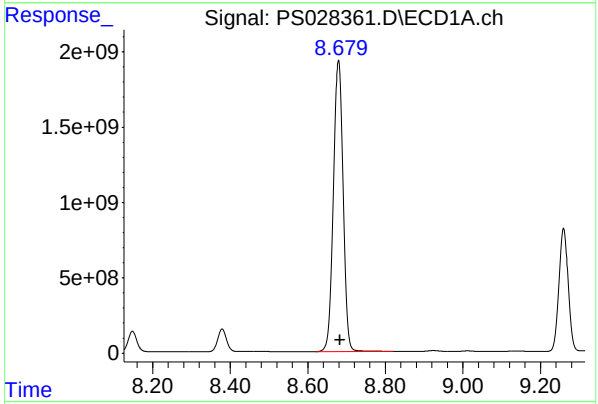
R.T.: 8.379 min
Delta R.T.: 0.000 min
Response: 2394385500
Conc: 681.34 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



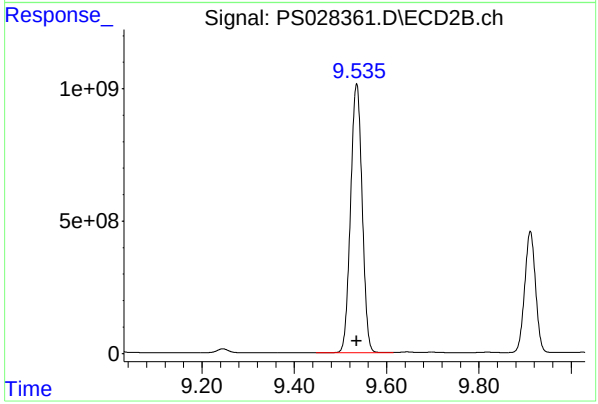
#9 2,4-D

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 1336488419
Conc: 691.11 ng/ml



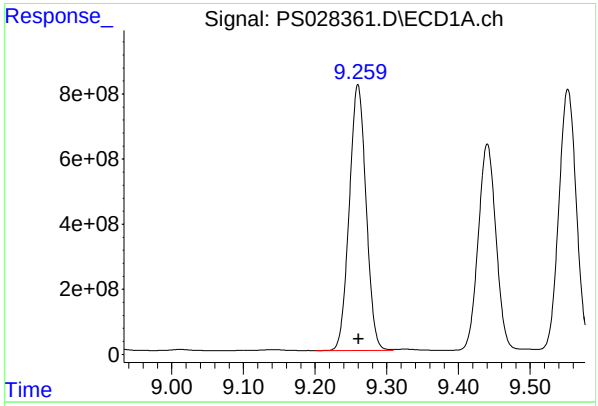
#10 Pentachlorophenol

R.T.: 8.679 min
Delta R.T.: -0.004 min
Response: 33172560444
Conc: 736.48 ng/ml



#10 Pentachlorophenol

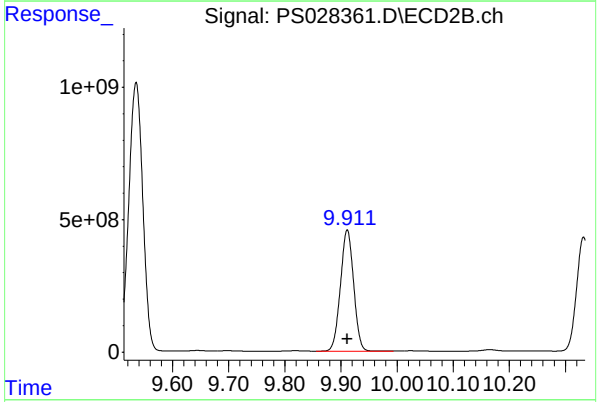
R.T.: 9.535 min
Delta R.T.: 0.000 min
Response: 17646155235
Conc: 708.20 ng/ml



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

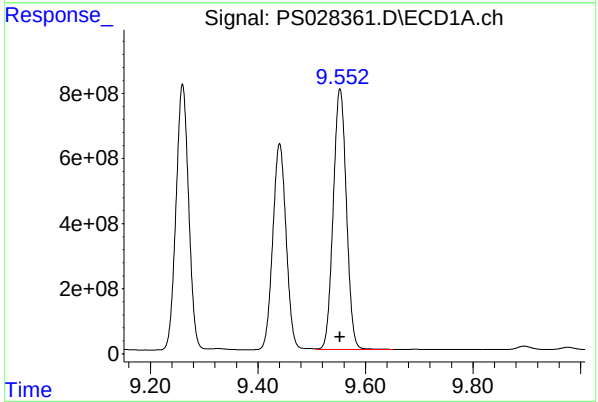
R.T.: 9.260 min
Delta R.T.: 0.000 min
Response: 13282999670
Conc: 701.73 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



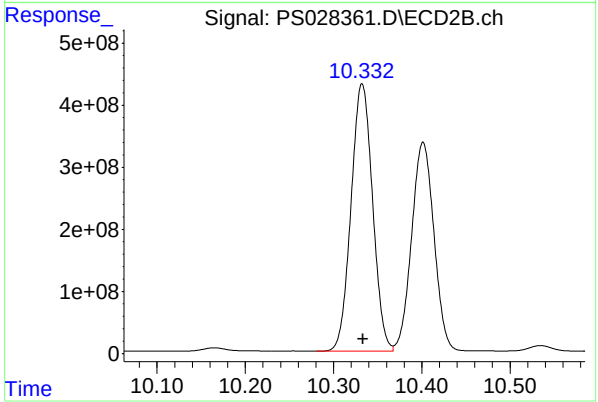
#11 2,4,5-TP (SILVEX)

R.T.: 9.911 min
Delta R.T.: 0.000 min
Response: 7469420888
Conc: 705.18 ng/ml



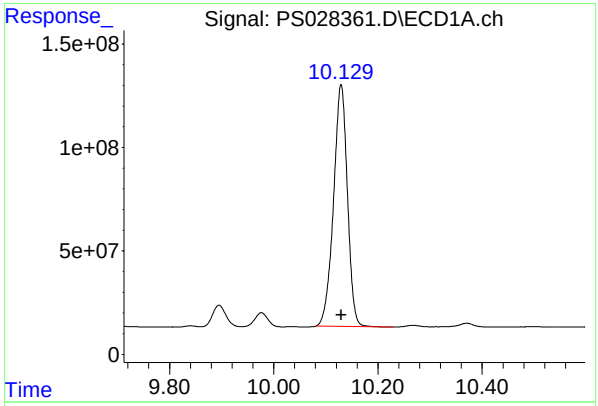
#12 2,4,5-T

R.T.: 9.553 min
Delta R.T.: 0.000 min
Response: 13622935092
Conc: 702.90 ng/ml



#12 2,4,5-T

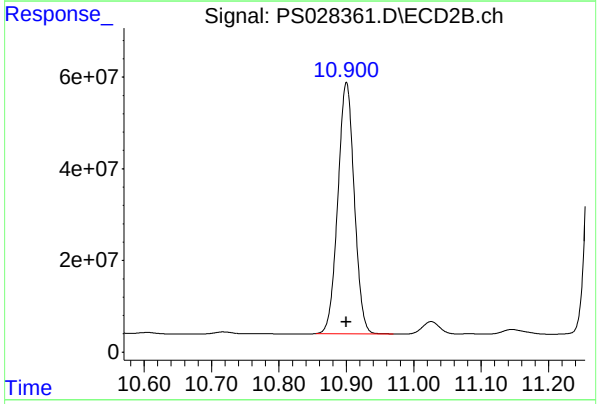
R.T.: 10.332 min
Delta R.T.: -0.001 min
Response: 7304595422
Conc: 703.99 ng/ml



#13 2,4-DB

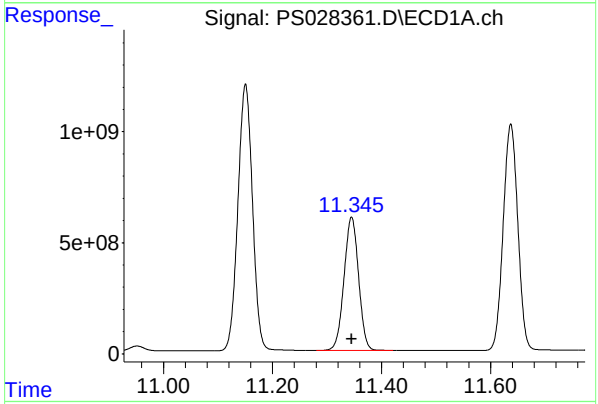
R.T.: 10.129 min
Delta R.T.: 0.000 min
Response: 2161484871
Conc: 699.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



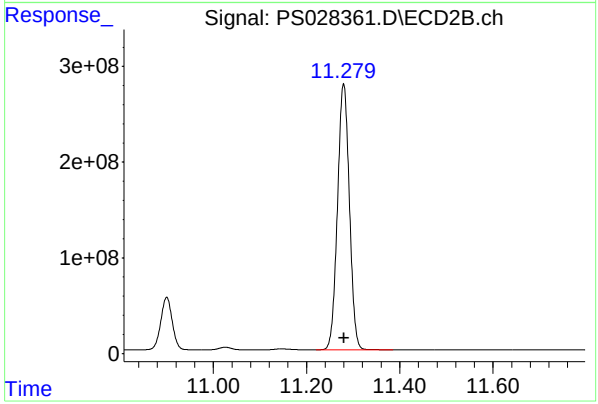
#13 2,4-DB

R.T.: 10.900 min
Delta R.T.: 0.000 min
Response: 928165950
Conc: 700.35 ng/ml



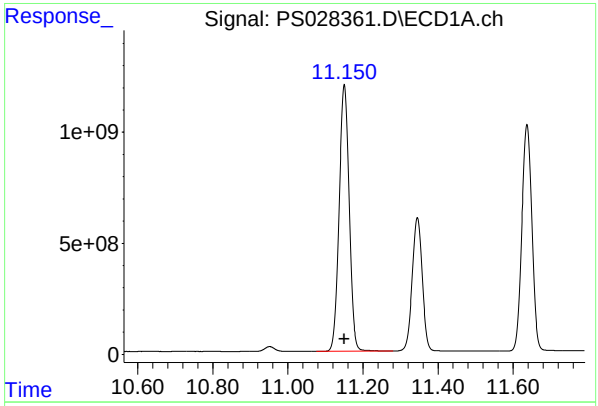
#14 DINOSEB

R.T.: 11.345 min
Delta R.T.: 0.000 min
Response: 11126846564
Conc: 686.28 ng/ml



#14 DINOSEB

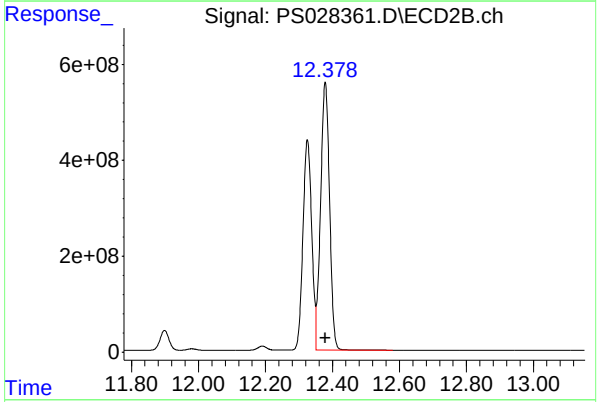
R.T.: 11.280 min
Delta R.T.: 0.000 min
Response: 4918734702
Conc: 685.31 ng/ml



#15 Picloram

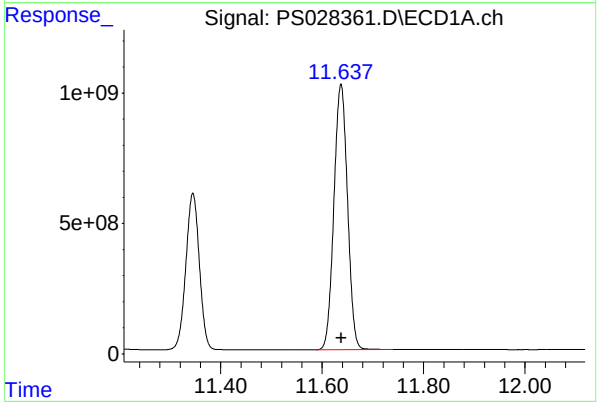
R.T.: 11.150 min
Delta R.T.: 0.000 min
Response: 22320924974
Conc: 710.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
ICVPS110924



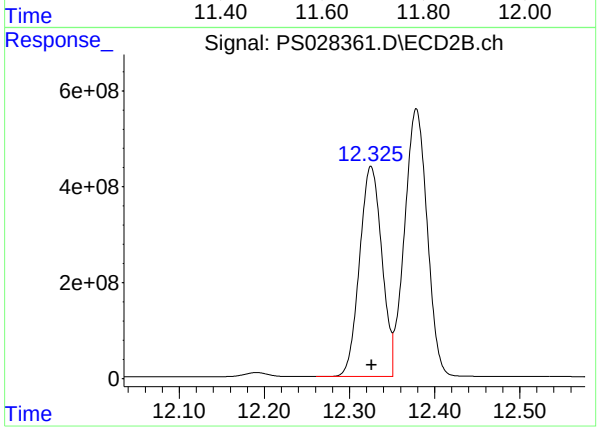
#15 Picloram

R.T.: 12.378 min
Delta R.T.: 0.000 min
Response: 10335029141
Conc: 718.08 ng/ml



#16 DCPA

R.T.: 11.637 min
Delta R.T.: 0.000 min
Response: 18930277579
Conc: 708.30 ng/ml



#16 DCPA

R.T.: 12.325 min
Delta R.T.: 0.000 min
Response: 7984398609
Conc: 712.25 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.45	7.45	7.35	7.55	0.00
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
DICHLORPROP	8.16	8.16	8.06	8.26	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01
2,4,5-T	9.57	9.57	9.47	9.67	0.00
2,4-DB	10.14	10.15	10.05	10.25	0.01
Dinoseb	11.36	11.36	11.26	11.46	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/06/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 23:03 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.68	8.58	8.78	0.00
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.34	10.24	10.44	0.00
2,4-DB	10.91	10.91	10.81	11.01	0.00
Dinoseb	11.29	11.29	11.19	11.39	0.00

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028284.D **Time Analyzed:** 23:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.567	9.469	9.669	767.920	712.500	7.8
2,4,5-TP(Silvex)	9.274	9.177	9.377	764.460	712.500	7.3
2,4-D	8.391	8.294	8.494	746.130	705.000	5.8
2,4-DB	10.144	10.047	10.247	761.720	712.500	6.9
2,4-DCAA	7.260	7.162	7.362	788.410	750.000	5.1
DICAMBA	7.449	7.351	7.551	747.530	705.000	6.0
DICHLORPROP	8.160	8.063	8.263	745.000	705.000	5.7
Dinoseb	11.361	11.264	11.464	760.470	705.000	7.9

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/06/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028284.D **Time Analyzed:** 23:03

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.342	10.244	10.444	716.510	712.500	0.6
2,4,5-TP(Silvex)	9.921	9.823	10.023	729.370	712.500	2.4
2,4-D	9.013	8.915	9.115	714.340	705.000	1.3
2,4-DB	10.909	10.812	11.012	703.300	712.500	-1.3
2,4-DCAA	7.763	7.665	7.865	773.710	750.000	3.2
DICAMBA	7.964	7.867	8.067	747.660	705.000	6.1
DICHLORPROP	8.682	8.584	8.784	725.580	705.000	2.9
Dinoseb	11.290	11.191	11.391	697.660	705.000	-1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 23:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:45:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.260	7.763	2019.5E6	1347.6E6	788.414	773.706
	Target Compounds						
1) T	Dalapon	2.655	2.712	2504.9E6	2001.4E6	703.776	680.185
2) T	3,5-DICHL...	6.428	6.713	2706.0E6	1850.3E6	721.824	731.101m
3) T	4-Nitroph...	7.059	7.289	1173.4E6	770.0E6	712.201	671.950
5) T	DICAMBA	7.449	7.964	8393.7E6	6005.6E6	747.535	747.660
6) T	MCPP	7.633	8.067	583.8E6	466.5E6	76.990	76.830
7) T	MCPA	7.784	8.313	777.8E6	615.1E6	74.706	73.760
8) T	DICHLORPROP	8.160	8.682	2100.4E6	1457.9E6	744.998	725.581
9) T	2,4-D	8.391	9.013	2354.9E6	1593.1E6	746.131	714.339
10) T	Pentachlo...	8.691	9.544	32738.7E6	21186.7E6	787.696	726.450
11) T	2,4,5-TP ...	9.274	9.921	13015.3E6	9075.3E6	764.456	729.366
12) T	2,4,5-T	9.567	10.342	13312.3E6	8789.3E6	767.923	716.514
13) T	2,4-DB	10.144	10.909	2153.0E6	1114.7E6	761.723	703.302
14) T	DINOSEB	11.361	11.290	10995.5E6	6084.8E6	760.465	697.664
15) T	Picloram	11.165	12.390	22106.0E6	12661.0E6	762.304	702.132
16) T	DCPA	11.654	12.337	18523.1E6	9888.2E6	779.616	705.774

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

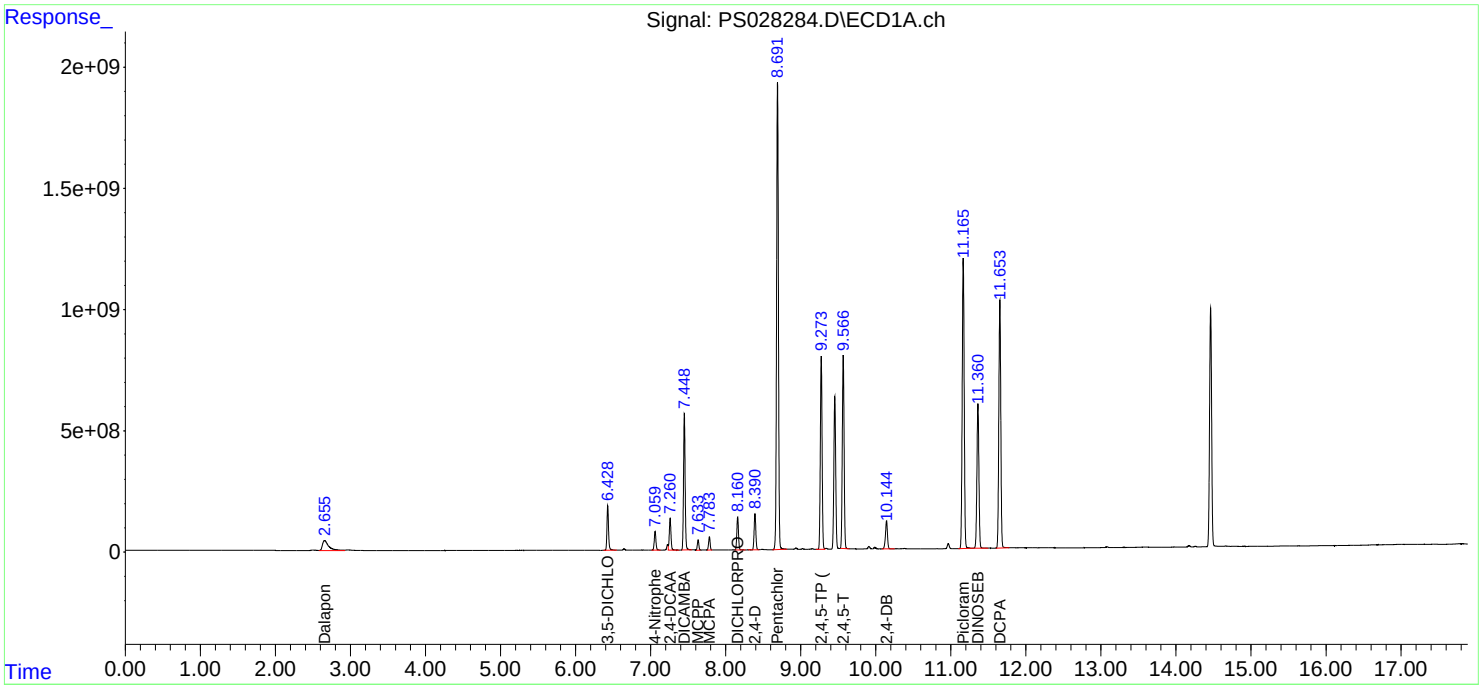
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028284.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 23:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

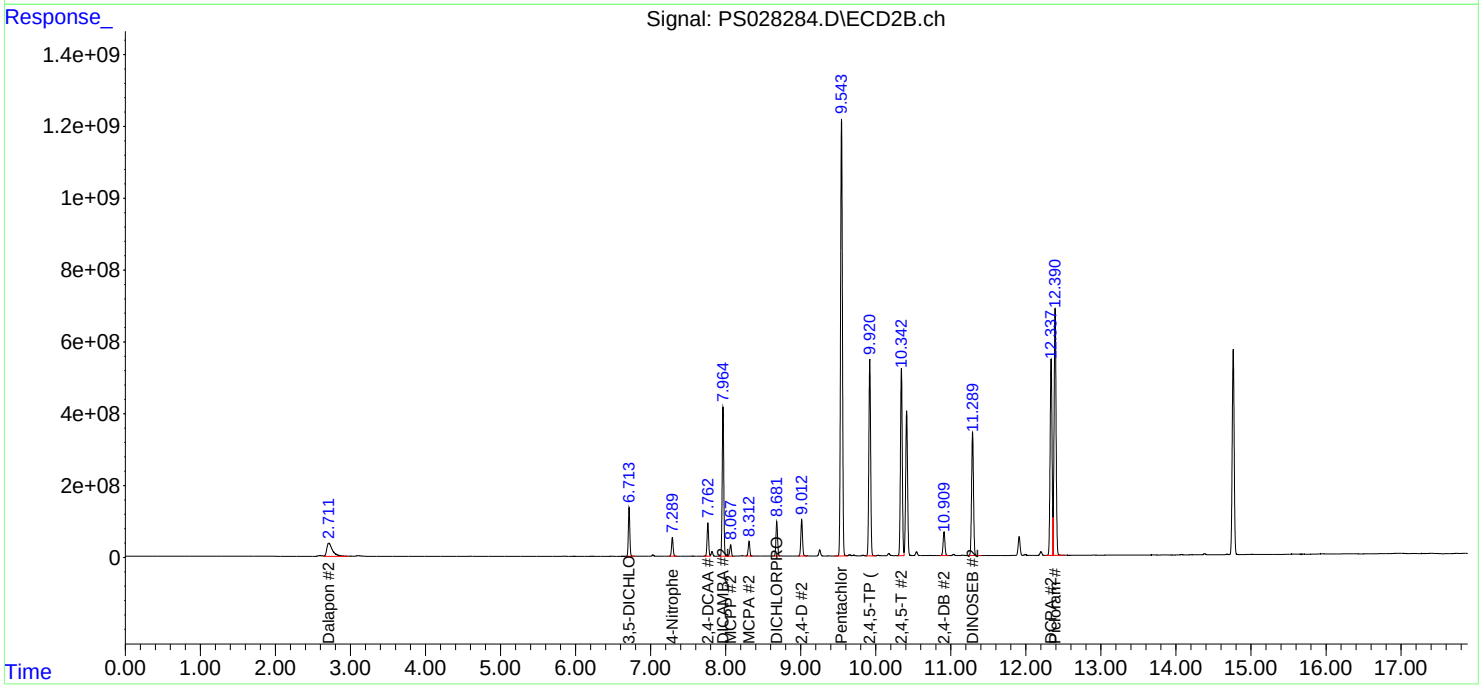
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

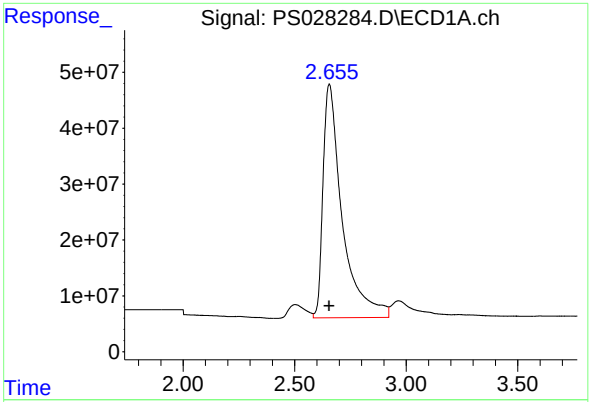
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:45:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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







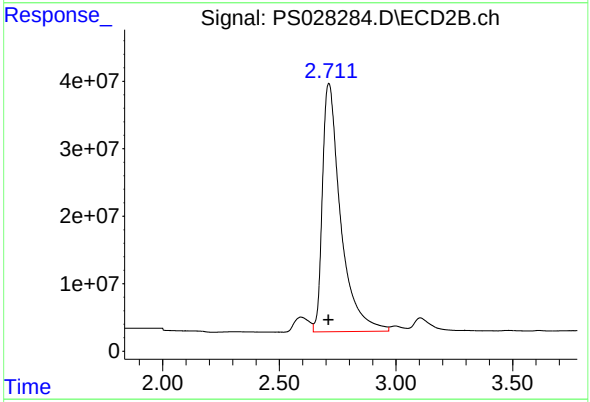
#1 Dalapon

R.T.: 2.655 min
Delta R.T.: 0.001 min
Response: 2504871778
Conc: 703.78 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

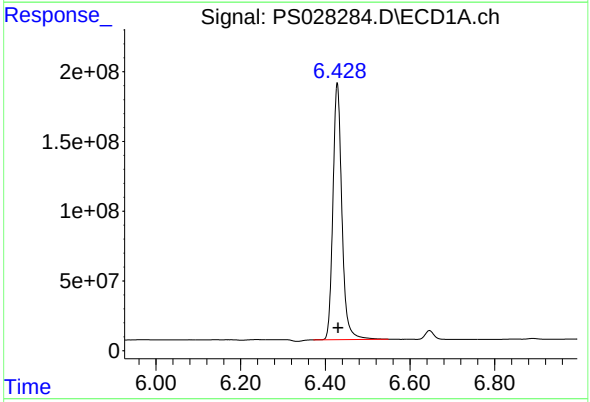
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



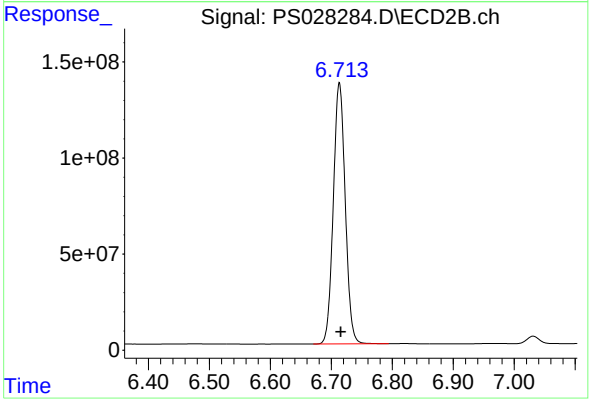
#1 Dalapon

R.T.: 2.712 min
Delta R.T.: 0.002 min
Response: 2001440284
Conc: 680.18 ng/ml



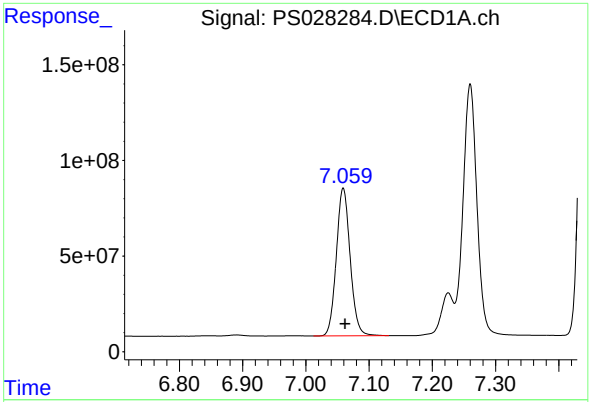
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.428 min
Delta R.T.: -0.002 min
Response: 2705957984
Conc: 721.82 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.003 min
Response: 1850347993
Conc: 731.10 ng/ml m



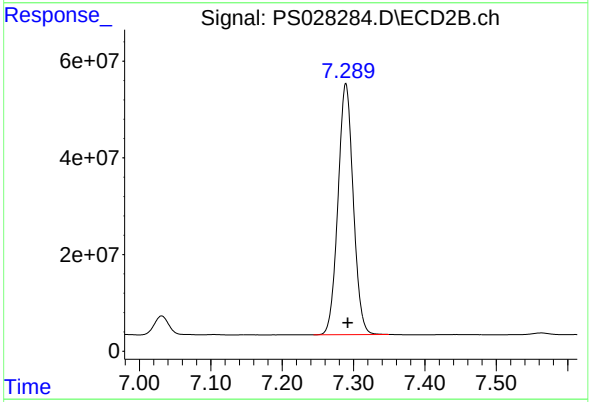
#3 4-Nitrophenol

R.T.: 7.059 min
Delta R.T.: -0.003 min
Response: 1173398543
Conc: 712.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

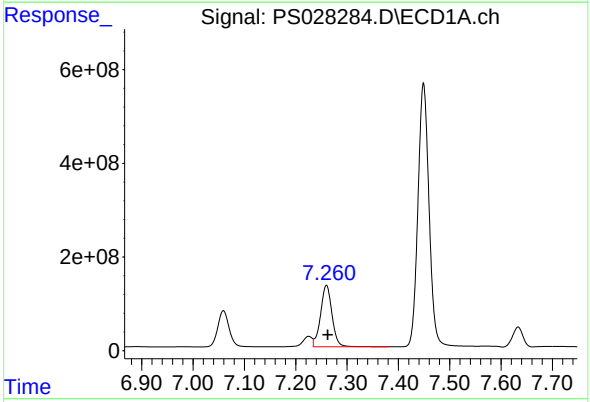
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



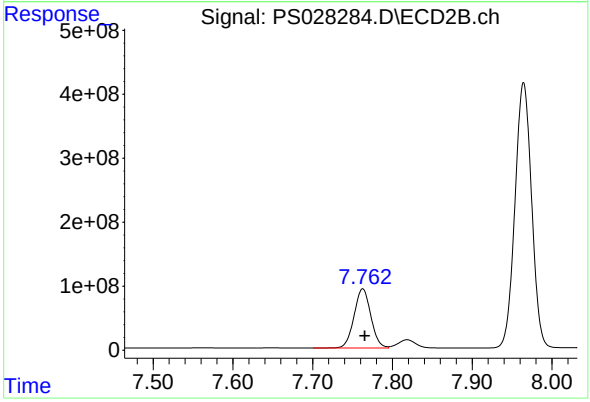
#3 4-Nitrophenol

R.T.: 7.289 min
Delta R.T.: -0.002 min
Response: 770018223
Conc: 671.95 ng/ml



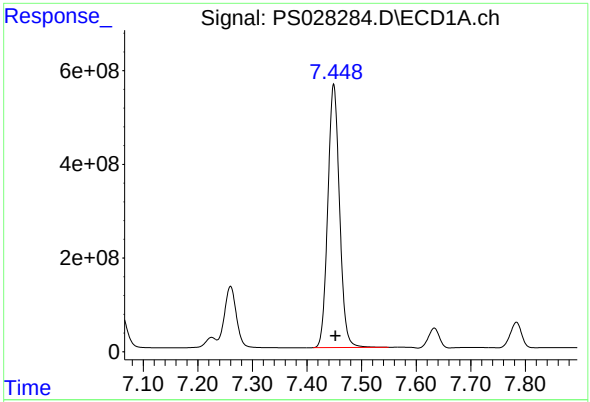
#4 2,4-DCAA

R.T.: 7.260 min
Delta R.T.: -0.003 min
Response: 2019453541
Conc: 788.41 ng/ml



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.002 min
Response: 1347625287
Conc: 773.71 ng/ml



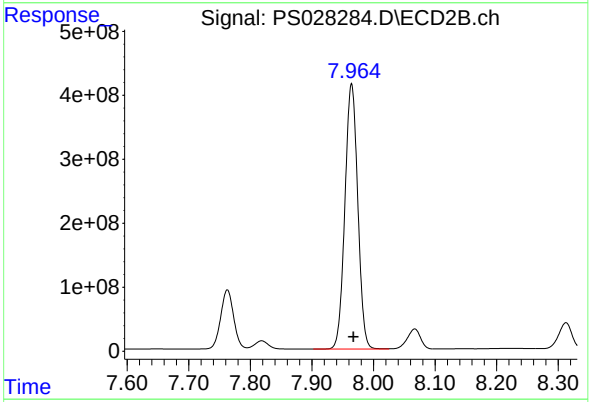
#5 DICAMBA

R.T.: 7.449 min
Delta R.T.: -0.003 min
Response: 8393721972
Conc: 747.53 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

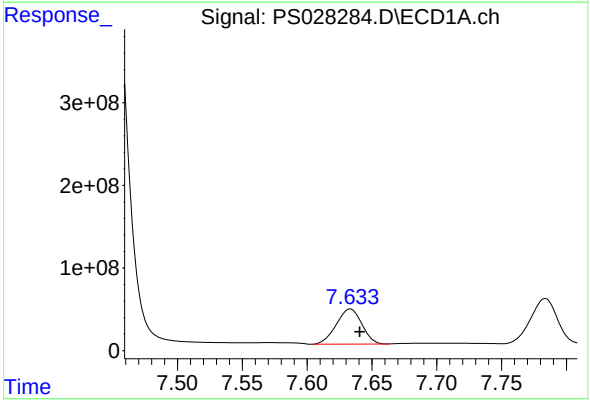
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



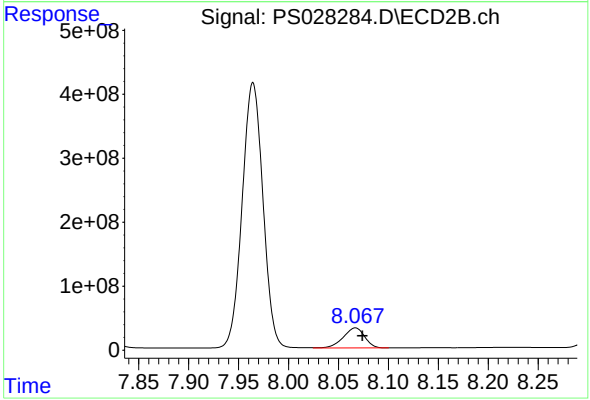
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: -0.003 min
Response: 6005630495
Conc: 747.66 ng/ml



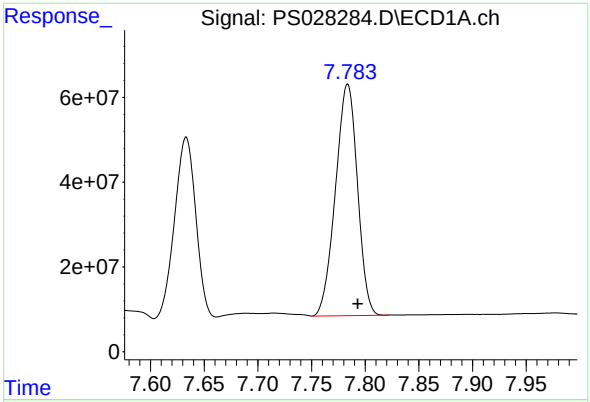
#6 MCPP

R.T.: 7.633 min
Delta R.T.: -0.007 min
Response: 583777347
Conc: 76.99 ug/ml



#6 MCPP

R.T.: 8.067 min
Delta R.T.: -0.007 min
Response: 466457076
Conc: 76.83 ug/ml



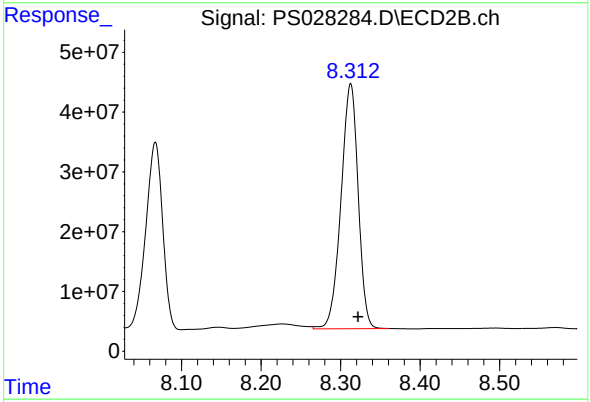
#7 MCPA

R.T.: 7.784 min
Delta R.T.: -0.009 min
Response: 777769100
Conc: 74.71 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

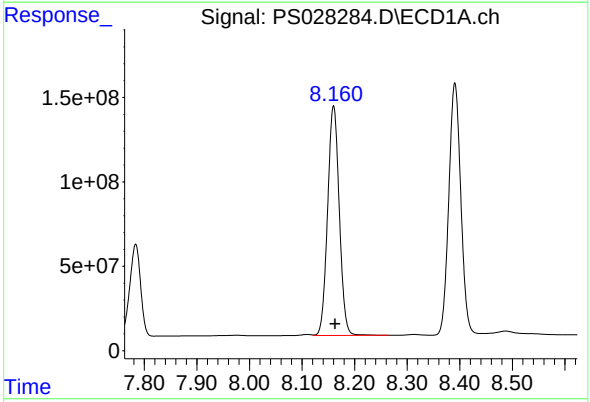
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



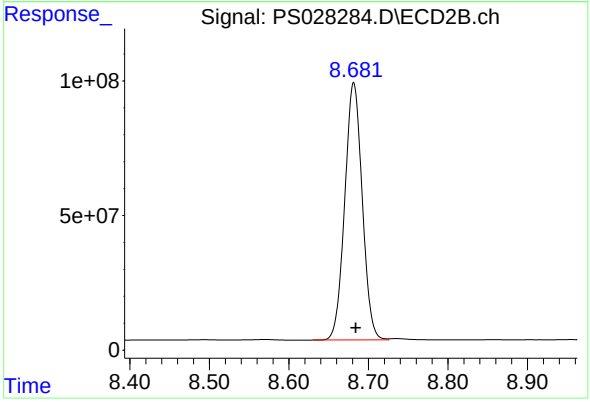
#7 MCPA

R.T.: 8.313 min
Delta R.T.: -0.009 min
Response: 615054934
Conc: 73.76 ug/ml



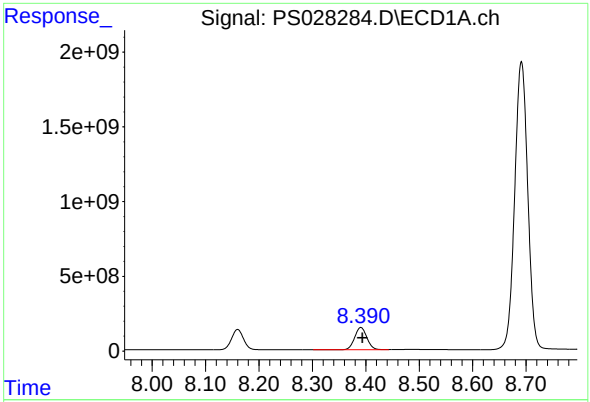
#8 DICHLORPROP

R.T.: 8.160 min
Delta R.T.: -0.003 min
Response: 2100358643
Conc: 745.00 ng/ml



#8 DICHLORPROP

R.T.: 8.682 min
Delta R.T.: -0.002 min
Response: 1457869171
Conc: 725.58 ng/ml



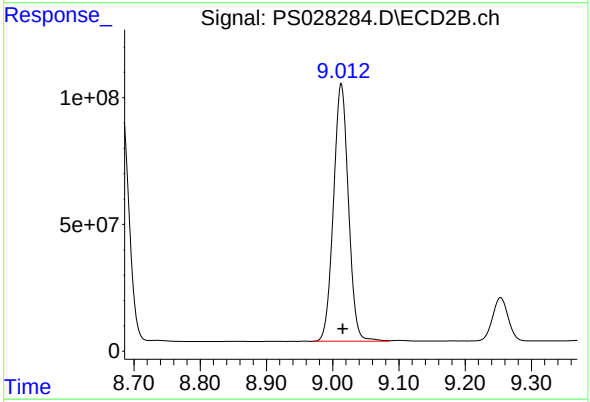
#9 2,4-D

R.T.: 8.391 min
Delta R.T.: -0.003 min
Response: 2354871541
Conc: 746.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

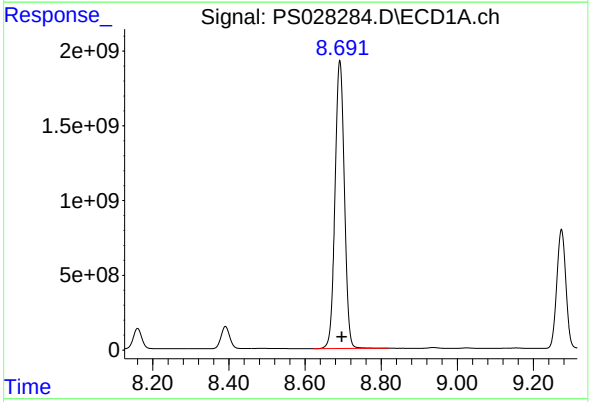
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



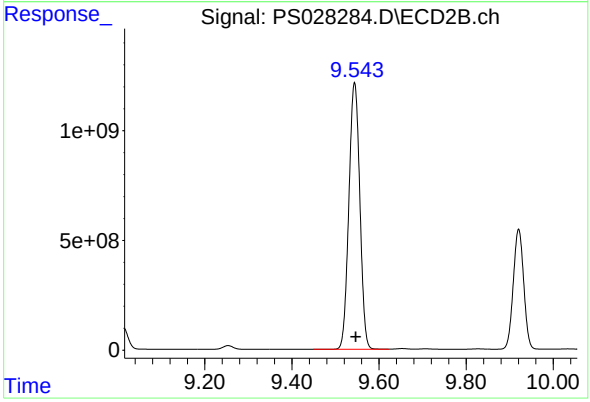
#9 2,4-D

R.T.: 9.013 min
Delta R.T.: -0.002 min
Response: 1593074283
Conc: 714.34 ng/ml



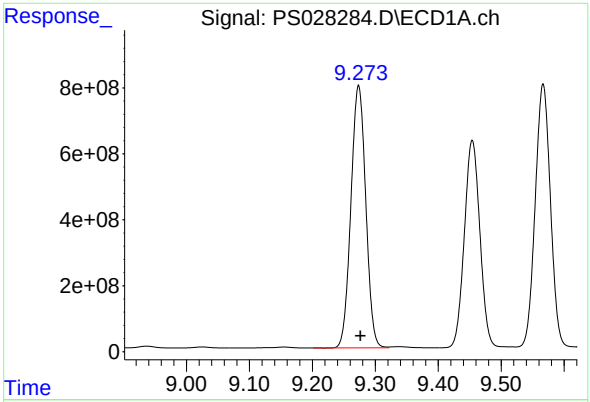
#10 Pentachlorophenol

R.T.: 8.691 min
Delta R.T.: -0.005 min
Response: 32738746769
Conc: 787.70 ng/ml



#10 Pentachlorophenol

R.T.: 9.544 min
Delta R.T.: -0.003 min
Response: 21186672843
Conc: 726.45 ng/ml



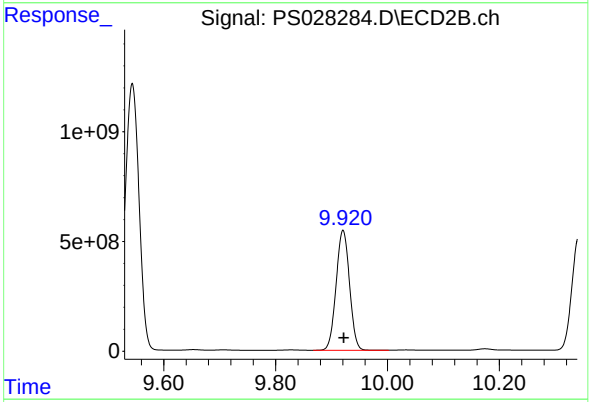
#11 2,4,5-TP (SILVEX)

R.T.: 9.274 min
Delta R.T.: -0.003 min
Response: 13015340182
Conc: 764.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

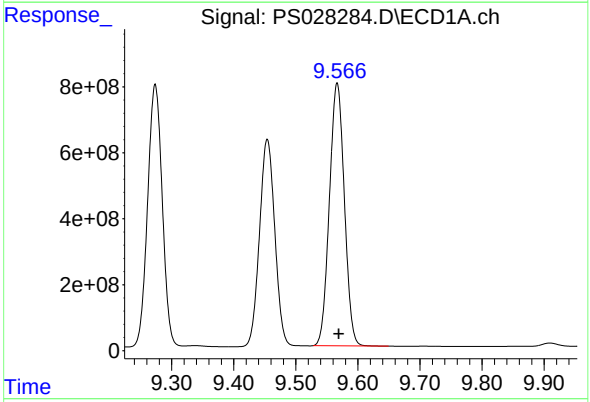
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



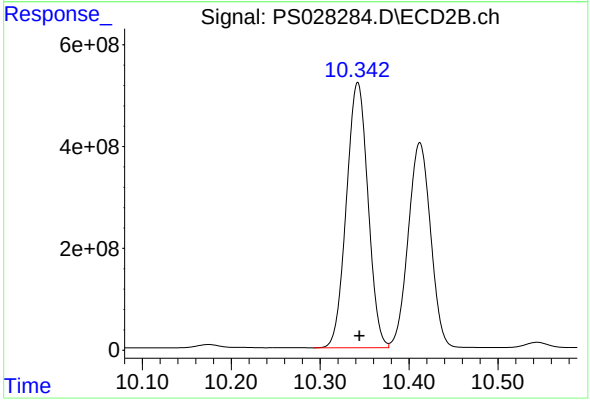
#11 2,4,5-TP (SILVEX)

R.T.: 9.921 min
Delta R.T.: -0.001 min
Response: 9075284445
Conc: 729.37 ng/ml



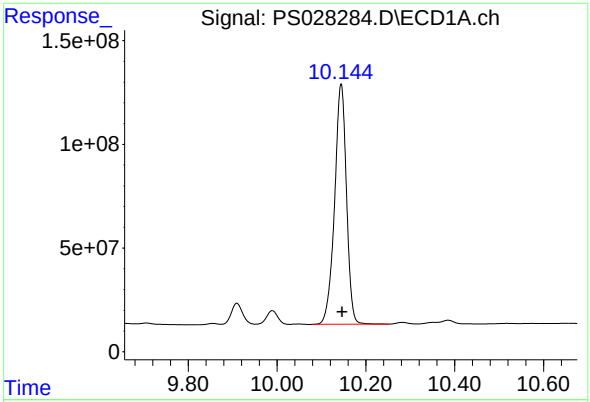
#12 2,4,5-T

R.T.: 9.567 min
Delta R.T.: -0.003 min
Response: 13312348193
Conc: 767.92 ng/ml



#12 2,4,5-T

R.T.: 10.342 min
Delta R.T.: -0.002 min
Response: 8789321583
Conc: 716.51 ng/ml



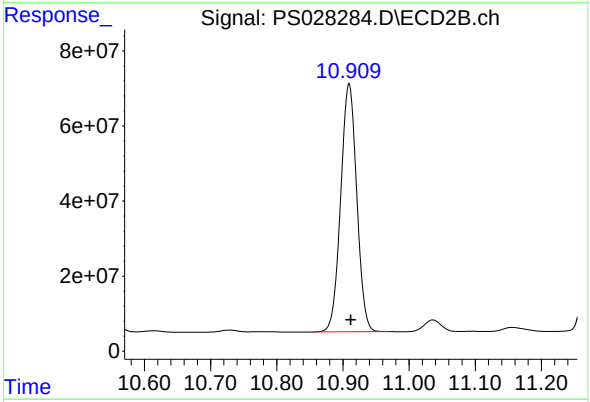
#13 2,4-DB

R.T.: 10.144 min
Delta R.T.: -0.002 min
Response: 2153037126
Conc: 761.72 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

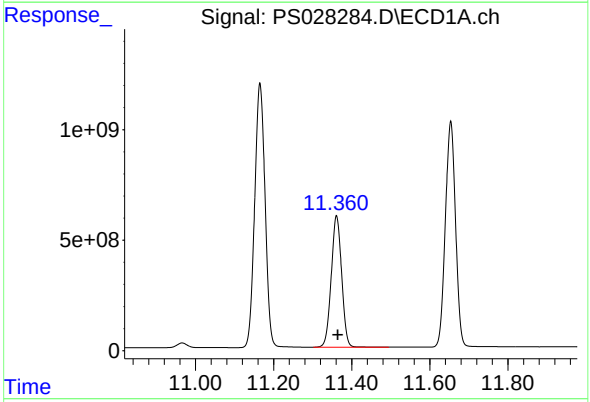
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



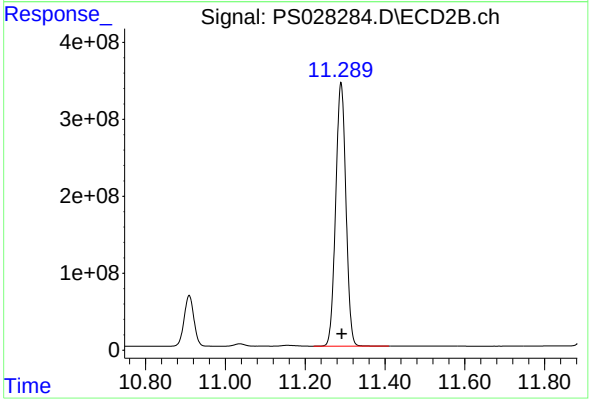
#13 2,4-DB

R.T.: 10.909 min
Delta R.T.: -0.003 min
Response: 1114663200
Conc: 703.30 ng/ml



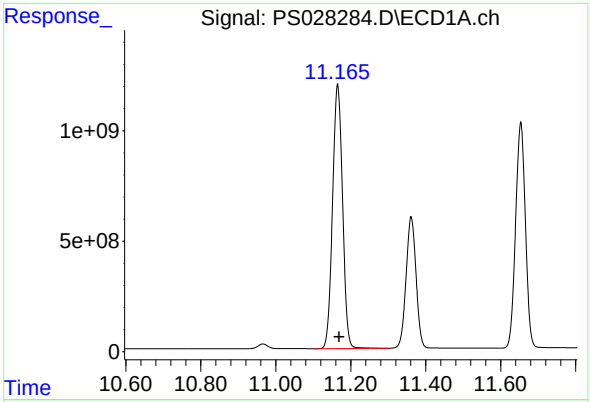
#14 DINOSEB

R.T.: 11.361 min
Delta R.T.: -0.003 min
Response: 10995543423
Conc: 760.47 ng/ml



#14 DINOSEB

R.T.: 11.290 min
Delta R.T.: -0.002 min
Response: 6084779705
Conc: 697.66 ng/ml



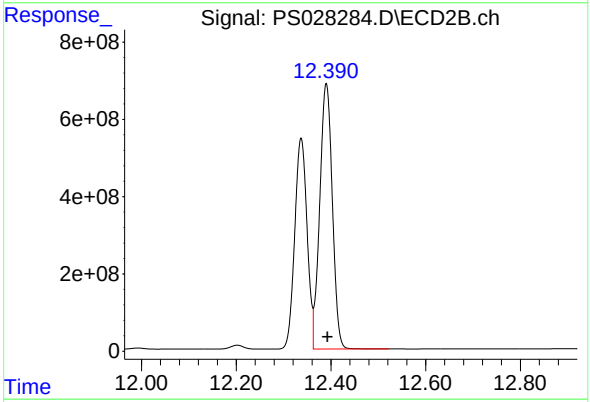
#15 Picloram

R.T.: 11.165 min
Delta R.T.: -0.004 min
Response: 22105968026
Conc: 762.30 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

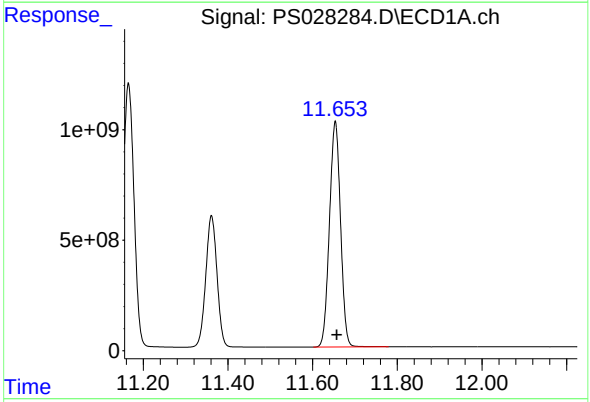
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



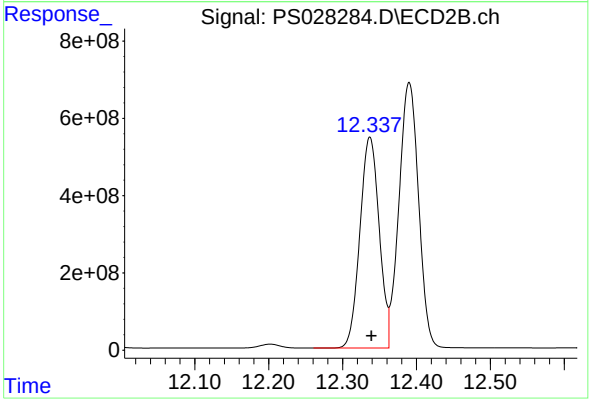
#15 Picloram

R.T.: 12.390 min
Delta R.T.: -0.002 min
Response: 12660958973
Conc: 702.13 ng/ml



#16 DCPA

R.T.: 11.654 min
Delta R.T.: -0.003 min
Response: 18523112930
Conc: 779.62 ng/ml



#16 DCPA

R.T.: 12.337 min
Delta R.T.: -0.002 min
Response: 9888239659
Conc: 705.77 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.45	7.45	7.35	7.55	0.00
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
DICHLORPROP	8.16	8.16	8.06	8.26	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01
2,4,5-T	9.56	9.57	9.47	9.67	0.01
2,4-DB	10.14	10.15	10.05	10.25	0.01
Dinoseb	11.36	11.36	11.26	11.46	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 04:40 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.68	8.58	8.78	0.00
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.34	10.24	10.44	0.00
2,4-DB	10.91	10.91	10.81	11.01	0.00
Dinoseb	11.29	11.29	11.19	11.39	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028297.D **Time Analyzed:** 04:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.563	9.469	9.669	769.290	712.500	8.0
2,4,5-TP(Silvex)	9.270	9.177	9.377	773.230	712.500	8.5
2,4-D	8.388	8.294	8.494	749.690	705.000	6.3
2,4-DB	10.141	10.047	10.247	767.890	712.500	7.8
2,4-DCAA	7.258	7.162	7.362	772.740	750.000	3.0
DICAMBA	7.447	7.351	7.551	749.460	705.000	6.3
DICHLORPROP	8.157	8.063	8.263	750.990	705.000	6.5
Dinoseb	11.358	11.264	11.464	757.790	705.000	7.5

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028297.D **Time Analyzed:** 04:40

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.340	10.244	10.444	706.210	712.500	-0.9
2,4,5-TP(Silvex)	9.918	9.823	10.023	718.100	712.500	0.8
2,4-D	9.011	8.915	9.115	700.360	705.000	-0.7
2,4-DB	10.908	10.812	11.012	688.940	712.500	-3.3
2,4-DCAA	7.761	7.665	7.865	760.410	750.000	1.4
DICAMBA	7.963	7.867	8.067	732.640	705.000	3.9
DICHLORPROP	8.680	8.584	8.784	712.320	705.000	1.0
Dinoseb	11.287	11.191	11.391	668.880	705.000	-5.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:40
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.258	7.761	1979.3E6	1324.5E6	772.735m	760.408
	Target Compounds						
1) T	Dalapon	2.651	2.711	2447.7E6	2017.8E6	687.715	685.759
2) T	3,5-DICHL...	6.426	6.712	2715.8E6	1813.9E6	724.456	716.703
3) T	4-Nitroph...	7.057	7.288	1173.7E6	754.7E6	712.370	658.588
5) T	DICAMBA	7.447	7.963	8415.3E6	5884.9E6	749.460	732.636
6) T	MCPP	7.631	8.065	587.9E6	457.1E6	77.532	75.284
7) T	MCPA	7.781	8.311	781.5E6	601.2E6	75.065	72.101
8) T	DICHLORPROP	8.157	8.680	2117.3E6	1431.2E6	750.992	712.315
9) T	2,4-D	8.388	9.011	2366.1E6	1561.9E6	749.692m	700.363
10) T	Pentachlo...	8.689	9.542	33059.9E6	20826.7E6	795.422	714.108
11) T	2,4,5-TP ...	9.270	9.918	13164.7E6	8935.0E6	773.230	718.096
12) T	2,4,5-T	9.563	10.340	13336.0E6	8662.9E6	769.288	706.208
13) T	2,4-DB	10.141	10.908	2170.5E6	1091.9E6	767.888	688.942
14) T	DINOSEB	11.358	11.287	10956.8E6	5833.7E6	757.789	668.875
15) T	Picloram	11.162	12.387	22210.9E6	12292.8E6	765.921	681.714
16) T	DCPA	11.650	12.334	18752.5E6	9655.6E6	789.271	689.171

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

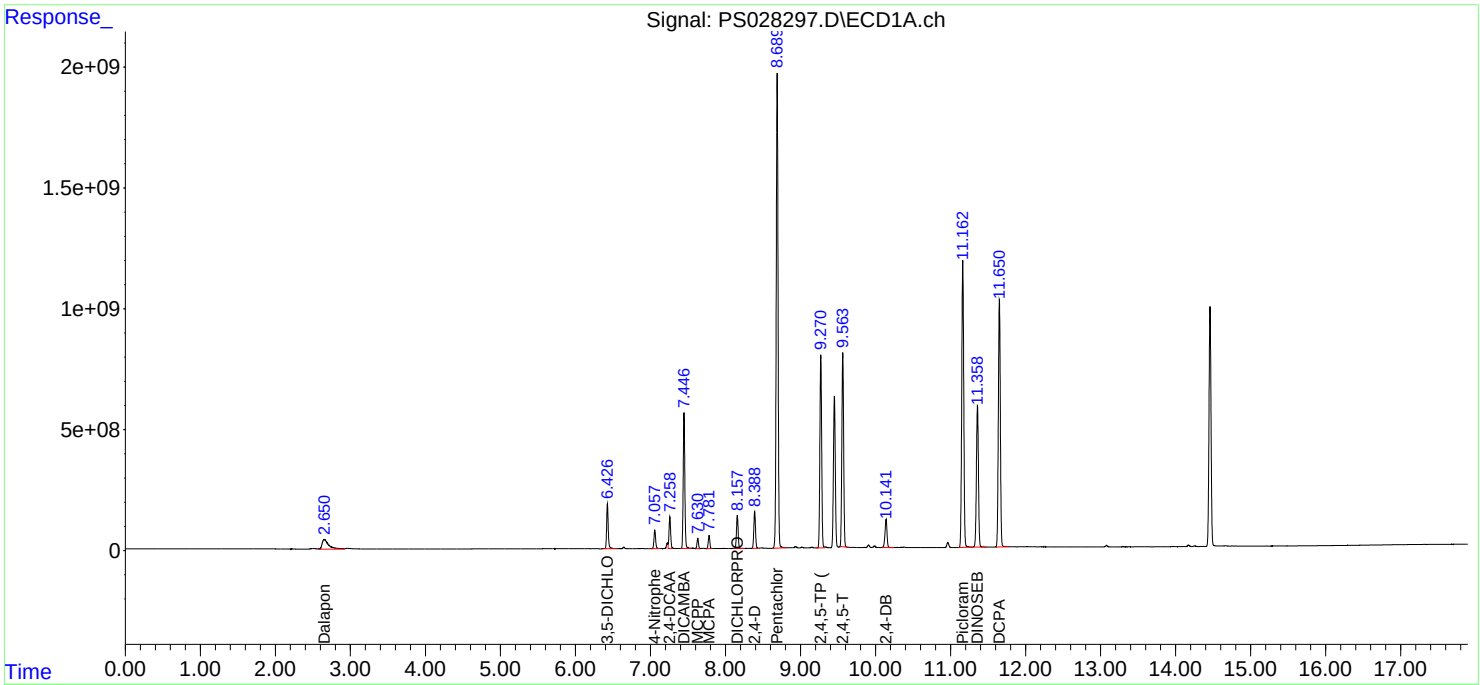
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028297.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:40
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

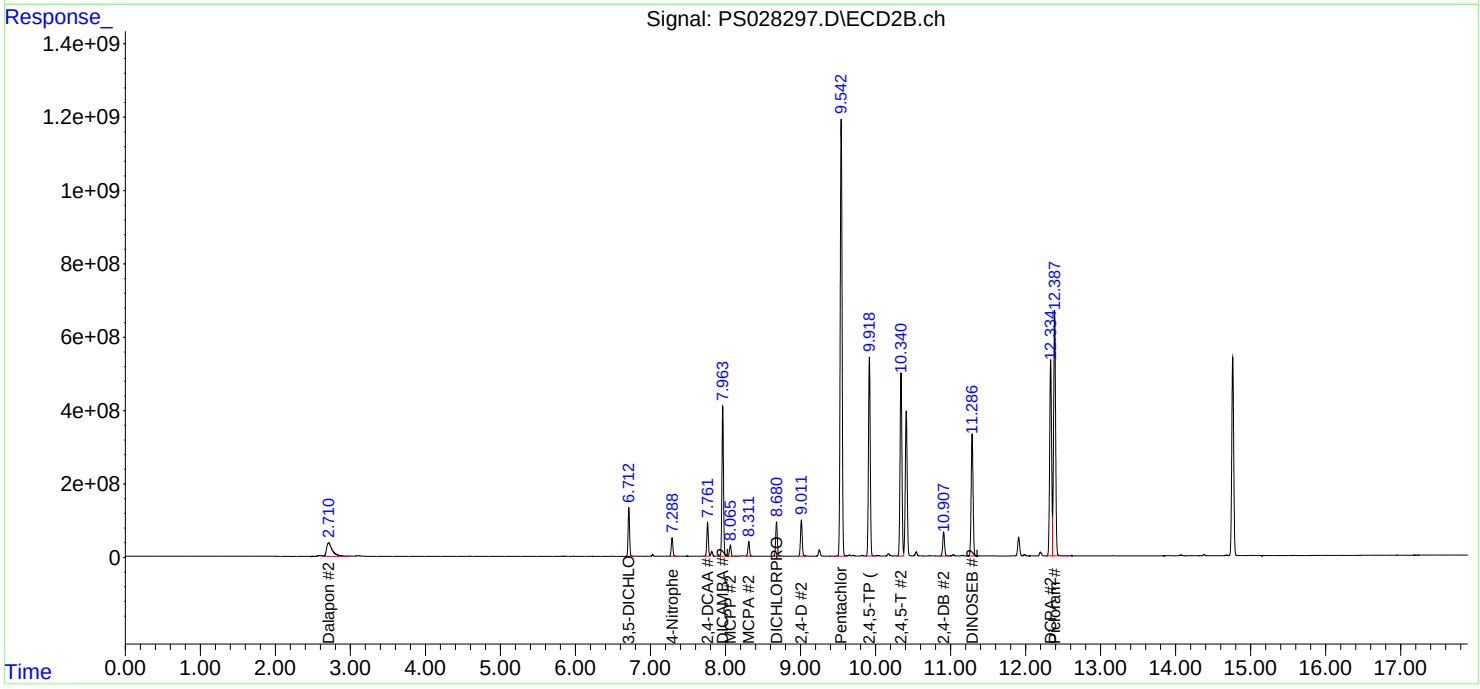
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

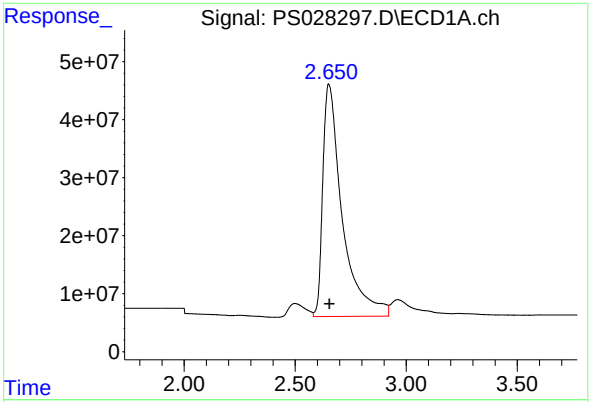
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:59:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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.: -0.003 min
Response: 2447708491
Conc: 687.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
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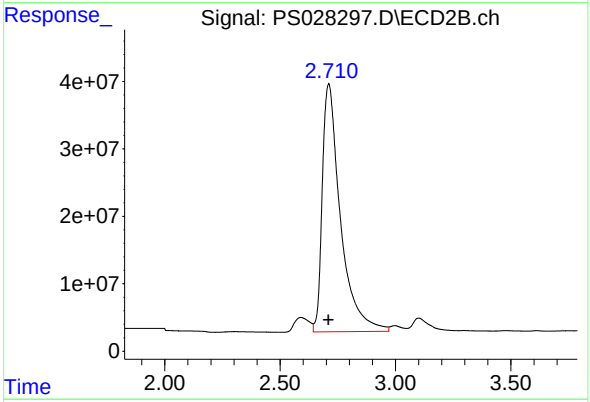
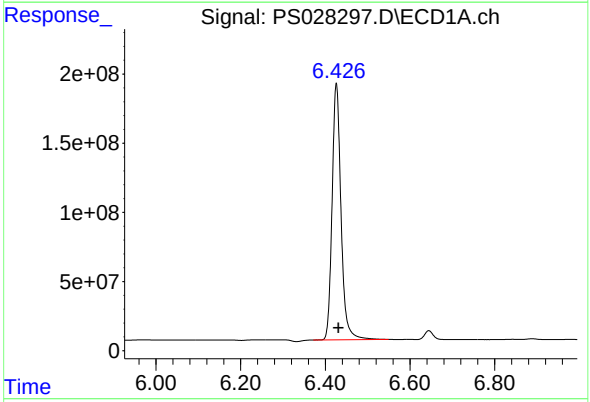


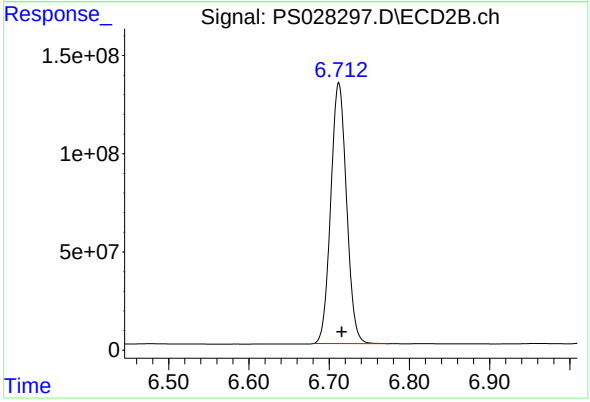
#1 Dalapon

R.T.: 2.711 min
Delta R.T.: 0.000 min
Response: 2017840879
Conc: 685.76 ng/ml



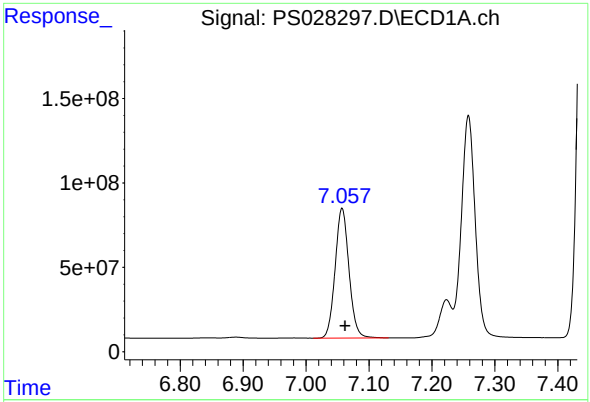
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.426 min
Delta R.T.: -0.004 min
Response: 2715827138
Conc: 724.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.712 min
Delta R.T.: -0.004 min
Response: 1813907703
Conc: 716.70 ng/ml



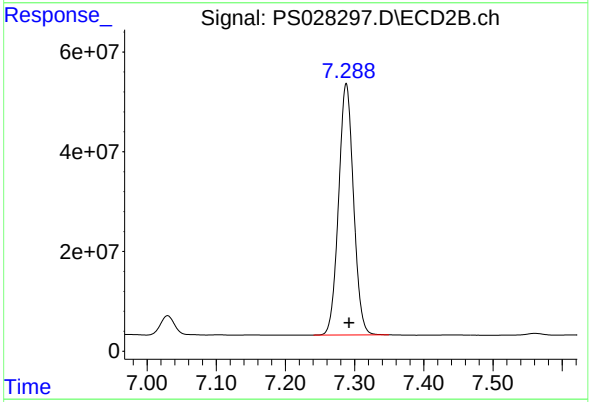
#3 4-Nitrophenol

R.T.: 7.057 min
Delta R.T.: -0.005 min
Response: 1173677049
Conc: 712.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

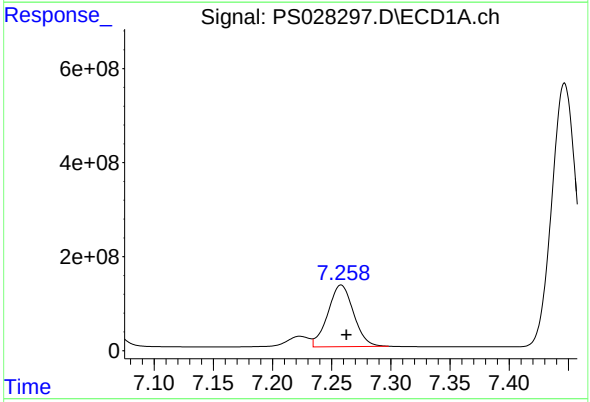
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



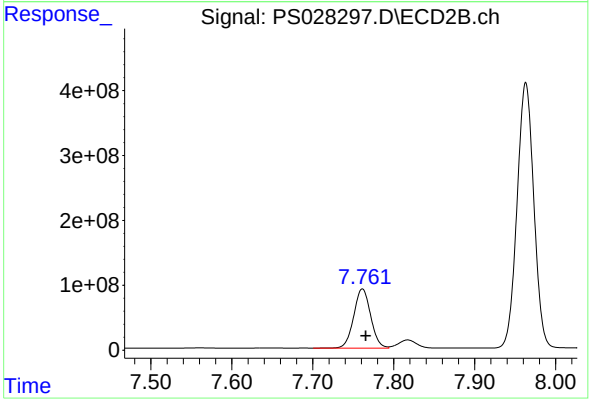
#3 4-Nitrophenol

R.T.: 7.288 min
Delta R.T.: -0.004 min
Response: 754706050
Conc: 658.59 ng/ml



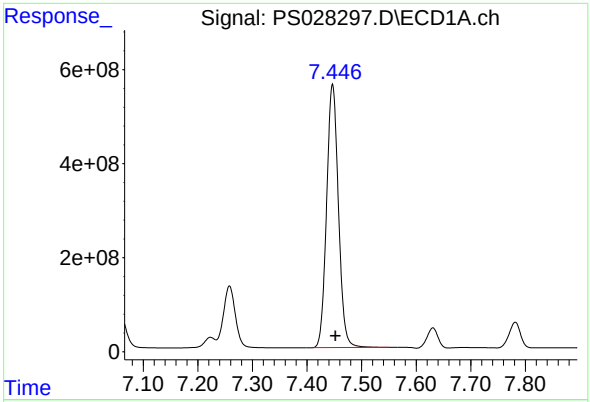
#4 2,4-DCAA

R.T.: 7.258 min
Delta R.T.: -0.005 min
Response: 1979294940
Conc: 772.74 ng/ml m



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.004 min
Response: 1324463824
Conc: 760.41 ng/ml



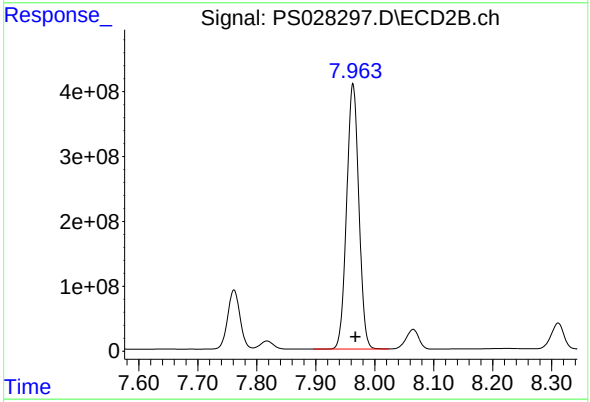
#5 DICAMBA

R.T.: 7.447 min
Delta R.T.: -0.005 min
Response: 8415345854
Conc: 749.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

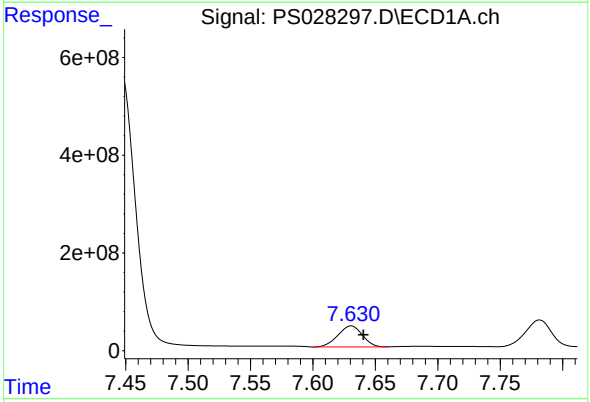
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



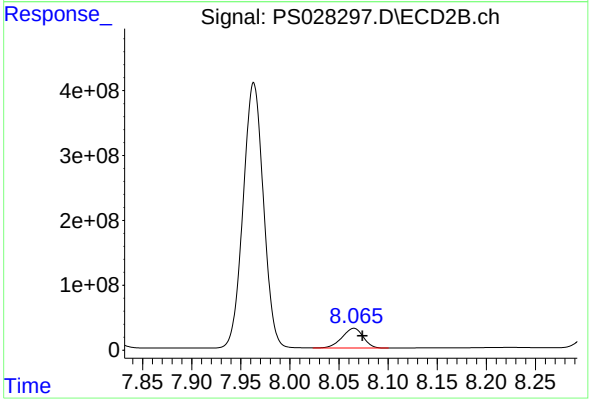
#5 DICAMBA

R.T.: 7.963 min
Delta R.T.: -0.004 min
Response: 5884942006
Conc: 732.64 ng/ml



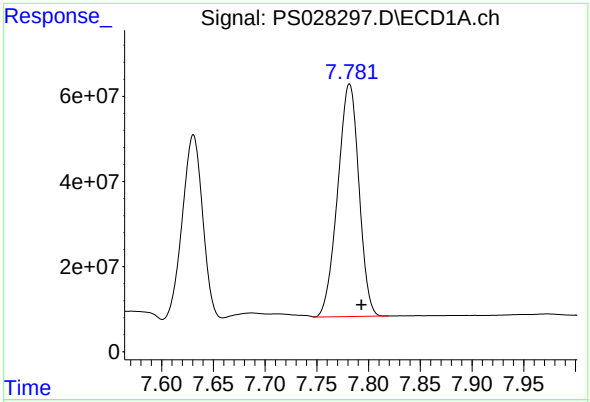
#6 MCPP

R.T.: 7.631 min
Delta R.T.: -0.010 min
Response: 587884296
Conc: 77.53 ug/ml



#6 MCPP

R.T.: 8.065 min
Delta R.T.: -0.009 min
Response: 457067997
Conc: 75.28 ug/ml



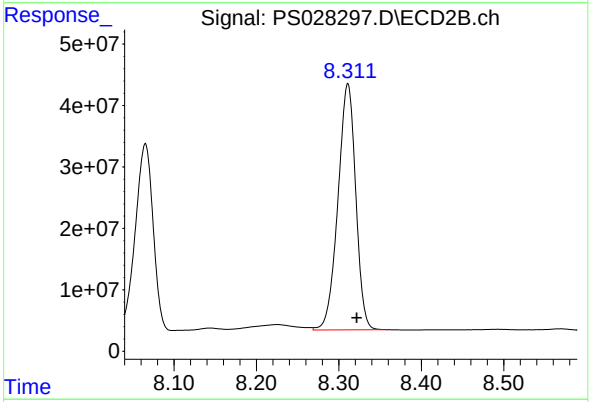
#7 MCPA

R.T.: 7.781 min
Delta R.T.: -0.011 min
Response: 781510807
Conc: 75.06 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

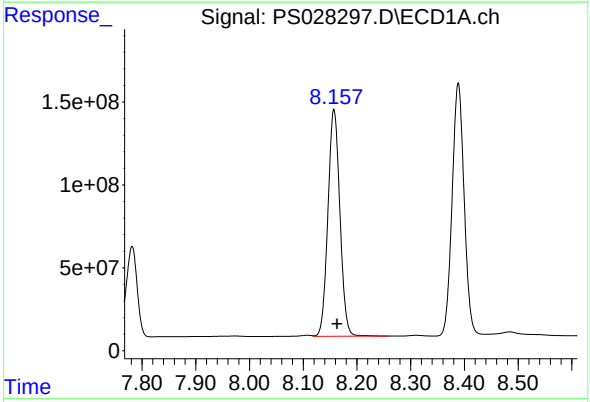
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



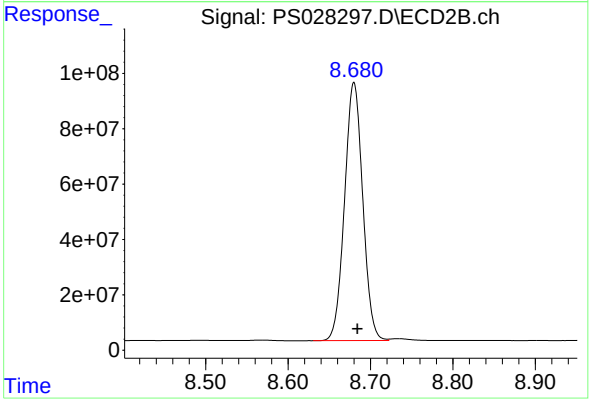
#7 MCPA

R.T.: 8.311 min
Delta R.T.: -0.011 min
Response: 601224981
Conc: 72.10 ug/ml



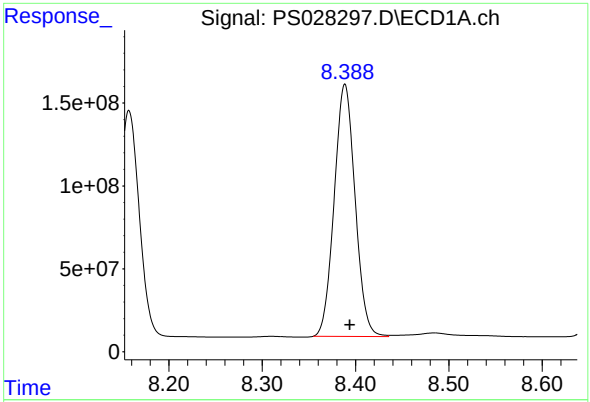
#8 DICHLORPROP

R.T.: 8.157 min
Delta R.T.: -0.006 min
Response: 2117256446
Conc: 750.99 ng/ml



#8 DICHLORPROP

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 1431214190
Conc: 712.32 ng/ml



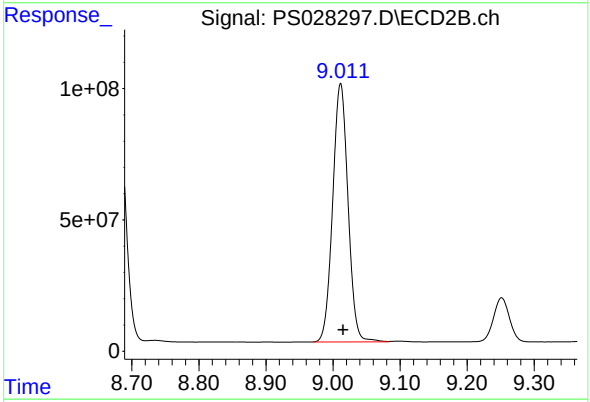
#9 2,4-D

R.T.: 8.388 min
Delta R.T.: -0.005 min
Response: 2366108448
Conc: 749.69 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

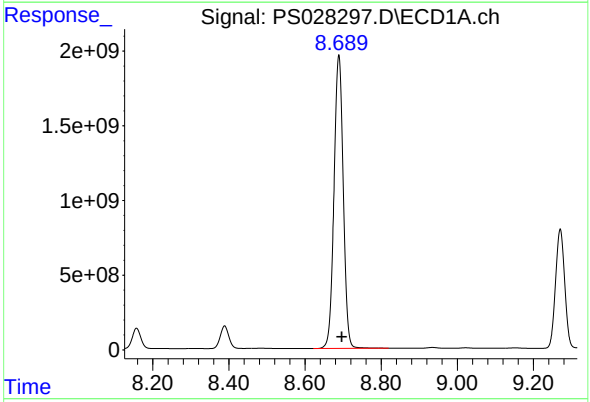
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



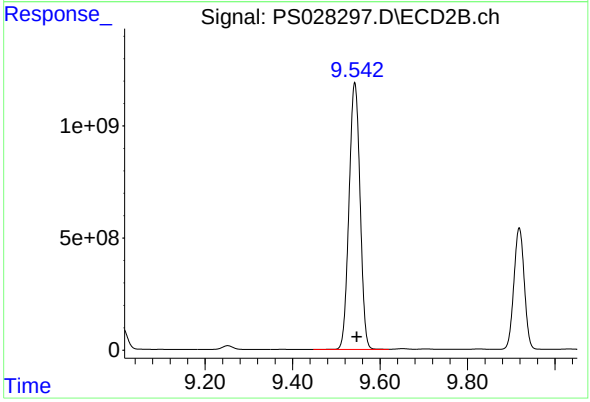
#9 2,4-D

R.T.: 9.011 min
Delta R.T.: -0.004 min
Response: 1561907684
Conc: 700.36 ng/ml



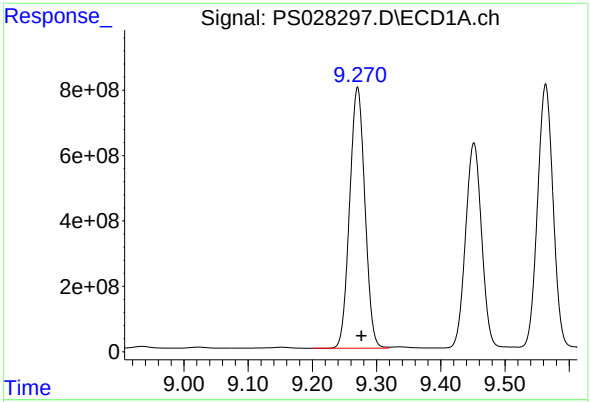
#10 Pentachlorophenol

R.T.: 8.689 min
Delta R.T.: -0.007 min
Response: 33059857293
Conc: 795.42 ng/ml



#10 Pentachlorophenol

R.T.: 9.542 min
Delta R.T.: -0.004 min
Response: 20826732704
Conc: 714.11 ng/ml



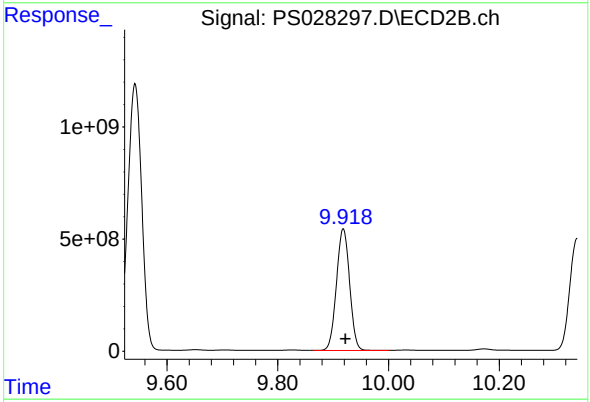
#11 2,4,5-TP (SILVEX)

R.T.: 9.270 min
Delta R.T.: -0.006 min
Response: 13164723446
Conc: 773.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

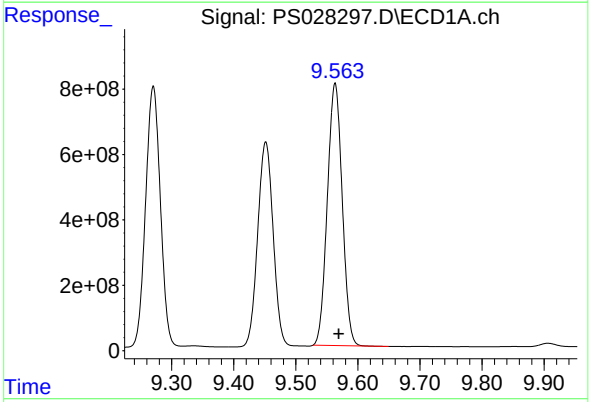
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



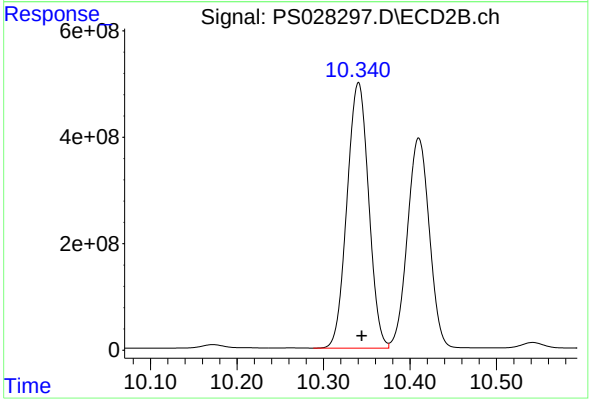
#11 2,4,5-TP (SILVEX)

R.T.: 9.918 min
Delta R.T.: -0.004 min
Response: 8935045430
Conc: 718.10 ng/ml



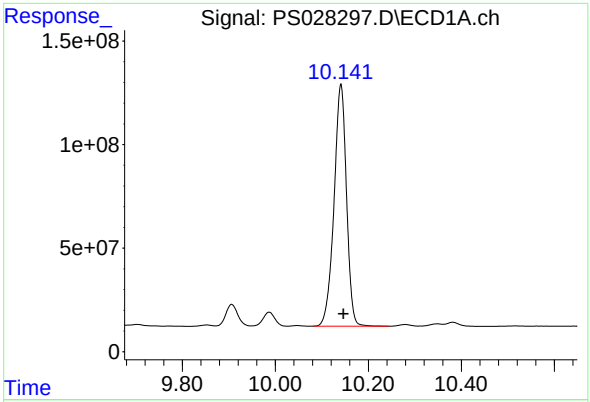
#12 2,4,5-T

R.T.: 9.563 min
Delta R.T.: -0.006 min
Response: 13336005465
Conc: 769.29 ng/ml



#12 2,4,5-T

R.T.: 10.340 min
Delta R.T.: -0.004 min
Response: 8662905196
Conc: 706.21 ng/ml



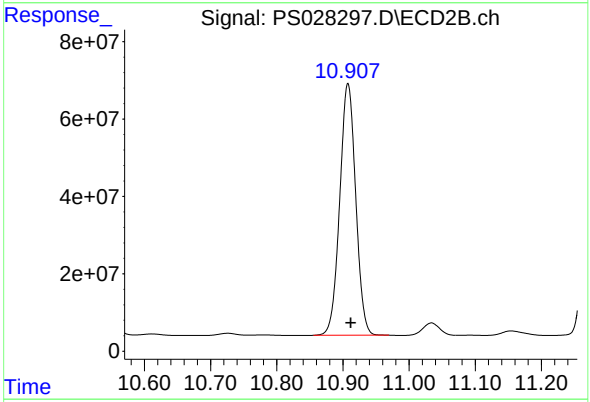
#13 2,4-DB

R.T.: 10.141 min
Delta R.T.: -0.006 min
Response: 2170462023
Conc: 767.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

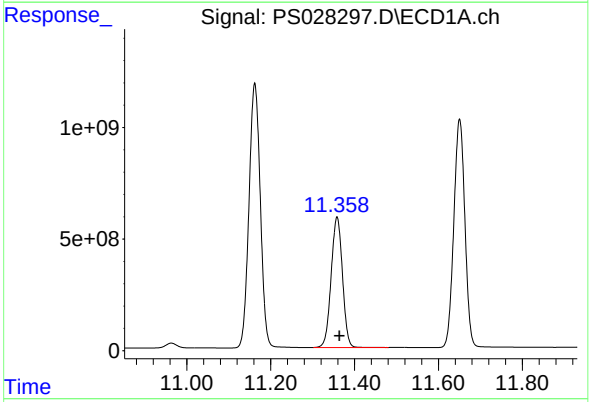
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



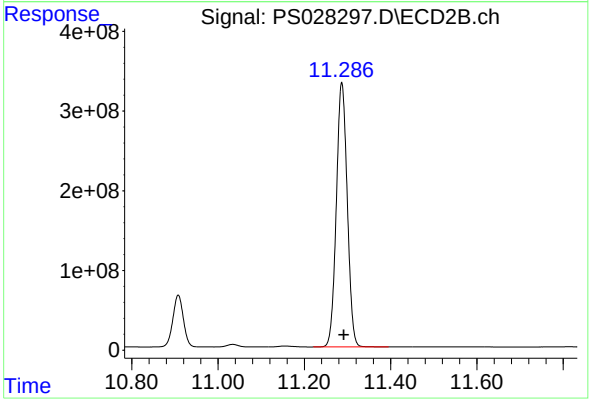
#13 2,4-DB

R.T.: 10.908 min
Delta R.T.: -0.004 min
Response: 1091903107
Conc: 688.94 ng/ml



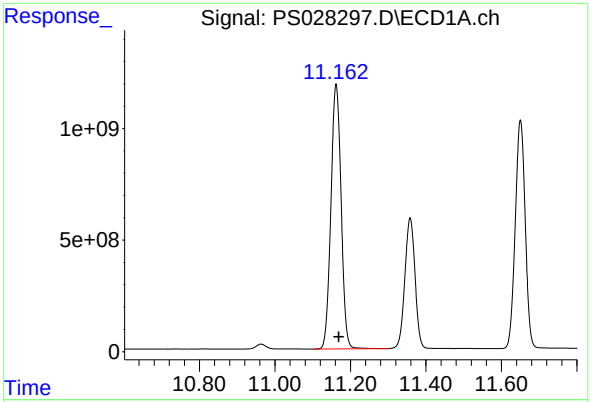
#14 DINOSEB

R.T.: 11.358 min
Delta R.T.: -0.006 min
Response: 10956846395
Conc: 757.79 ng/ml



#14 DINOSEB

R.T.: 11.287 min
Delta R.T.: -0.005 min
Response: 5833697774
Conc: 668.88 ng/ml



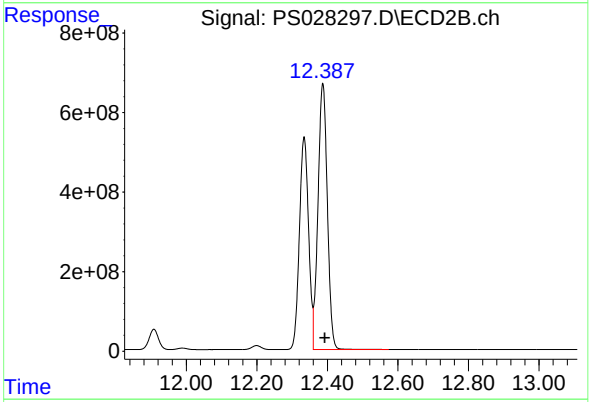
#15 Picloram

R.T.: 11.162 min
Delta R.T.: -0.007 min
Response: 22210875108
Conc: 765.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

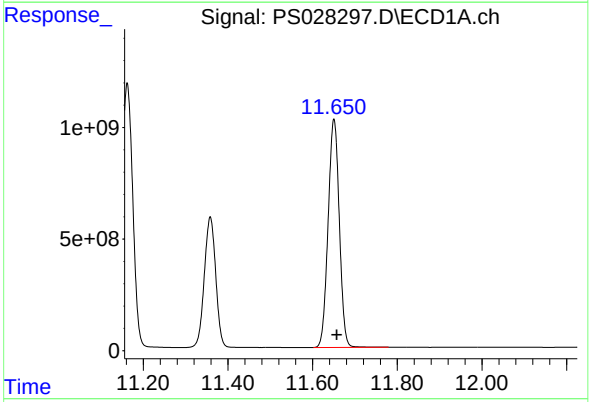
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



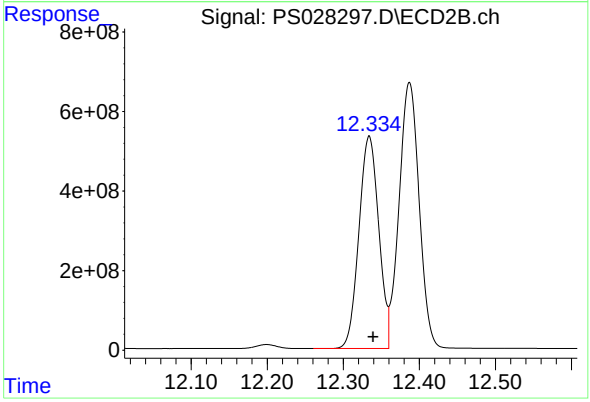
#15 Picloram

R.T.: 12.387 min
Delta R.T.: -0.005 min
Response: 12292771960
Conc: 681.71 ng/ml



#16 DCPA

R.T.: 11.650 min
Delta R.T.: -0.006 min
Response: 18752509291
Conc: 789.27 ng/ml



#16 DCPA

R.T.: 12.334 min
Delta R.T.: -0.005 min
Response: 9655633050
Conc: 689.17 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.45	7.45	7.35	7.55	0.00
2,4-DCAA	7.26	7.26	7.16	7.36	0.00
DICHLORPROP	8.16	8.16	8.06	8.26	0.00
2,4-D	8.39	8.39	8.29	8.49	0.00
2,4,5-TP(Silvex)	9.27	9.28	9.18	9.38	0.01
2,4,5-T	9.56	9.57	9.47	9.67	0.01
2,4-DB	10.14	10.15	10.05	10.25	0.01
Dinoseb	11.36	11.36	11.26	11.46	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/07/2024 **Initial Calibration Date(s):** 11/06/2024 11/06/2024

Continuing Calib Time: 09:52 **Initial Calibration Time(s):** 09:48 11:24

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.96	7.97	7.87	8.07	0.01
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.68	8.58	8.78	0.00
2,4-D	9.01	9.02	8.92	9.12	0.01
2,4,5-TP(Silvex)	9.92	9.92	9.82	10.02	0.00
2,4,5-T	10.34	10.34	10.24	10.44	0.00
2,4-DB	10.91	10.91	10.81	11.01	0.00
Dinoseb	11.29	11.29	11.19	11.39	0.00

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028309.D **Time Analyzed:** 09:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.560	9.469	9.669	779.290	712.500	9.4
2,4,5-TP(Silvex)	9.269	9.177	9.377	775.150	712.500	8.8
2,4-D	8.387	8.294	8.494	754.140	705.000	7.0
2,4-DB	10.138	10.047	10.247	770.820	712.500	8.2
2,4-DCAA	7.256	7.162	7.362	795.060	750.000	6.0
DICAMBA	7.446	7.351	7.551	753.900	705.000	6.9
DICHLORPROP	8.156	8.063	8.263	754.970	705.000	7.1
Dinoseb	11.355	11.264	11.464	777.250	705.000	10.2

Alliance TECHNICAL GROUP

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/06/2024 11/06/2024

Client Sample No.: CCAL03 **Date Analyzed:** 11/07/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028309.D **Time Analyzed:** 09:52

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.339	10.244	10.444	684.490	712.500	-3.9
2,4,5-TP(Silvex)	9.917	9.823	10.023	695.710	712.500	-2.4
2,4-D	9.010	8.915	9.115	678.350	705.000	-3.8
2,4-DB	10.906	10.812	11.012	661.020	712.500	-7.2
2,4-DCAA	7.761	7.665	7.865	740.370	750.000	-1.3
DICAMBA	7.962	7.867	8.067	714.890	705.000	1.4
DICHLORPROP	8.679	8.584	8.784	689.690	705.000	-2.2
Dinoseb	11.286	11.191	11.391	666.540	705.000	-5.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:52
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 10:27:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.256	7.761	2036.5E6	1289.6E6	795.059	740.371
	Target Compounds						
1) T	Dalapon	2.650	2.708	2423.5E6	2052.1E6	680.923	697.403
2) T	3,5-DICHL...	6.425	6.711	2723.8E6	1765.1E6	726.574	697.437
3) T	4-Nitroph...	7.056	7.287	1189.2E6	738.8E6	721.801	644.683
5) T	DICAMBA	7.446	7.962	8465.2E6	5742.4E6	753.898	714.887
6) T	MCPP	7.629	8.064	590.5E6	443.6E6	77.883	73.068
7) T	MCPA	7.780	8.310	785.9E6	584.4E6	75.486	70.089
8) T	DICHLORPROP	8.156	8.679	2128.5E6	1385.8E6	754.970	689.694
9) T	2,4-D	8.387	9.010	2380.2E6	1512.8E6	754.145	678.354
10) T	Pentachlo...	8.687	9.541	33121.5E6	20207.8E6	796.906	692.886
11) T	2,4,5-TP ...	9.269	9.917	13197.5E6	8656.5E6	775.152	695.706
12) T	2,4,5-T	9.560	10.339	13509.4E6	8396.5E6	779.291m	684.491
13) T	2,4-DB	10.138	10.906	2178.7E6	1047.6E6	770.818	661.017
14) T	DINOSEB	11.355	11.286	11238.2E6	5813.3E6	777.246	666.537
15) T	Picloram	11.160	12.386	22125.5E6	11844.6E6	762.978	656.859
16) T	DCPA	11.647	12.333	18767.9E6	9312.2E6	789.919	664.656

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

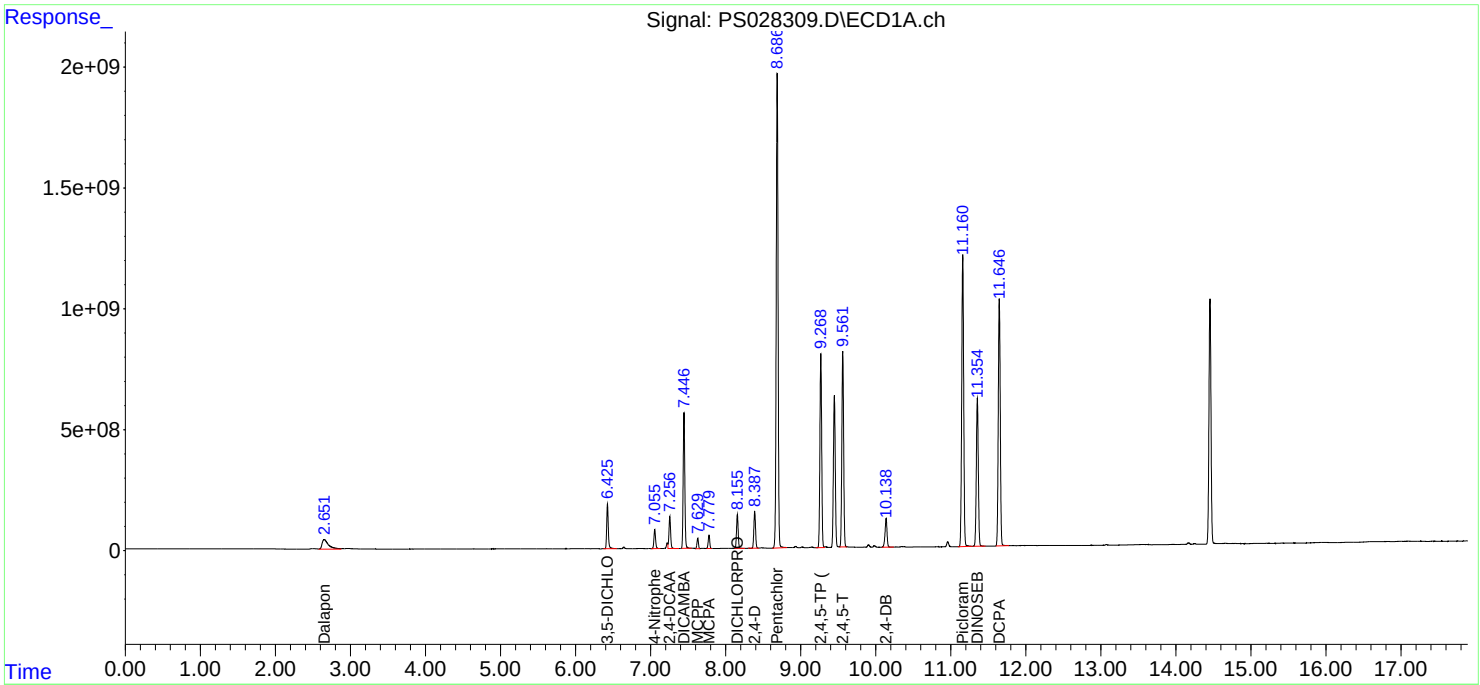
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028309.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:52
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

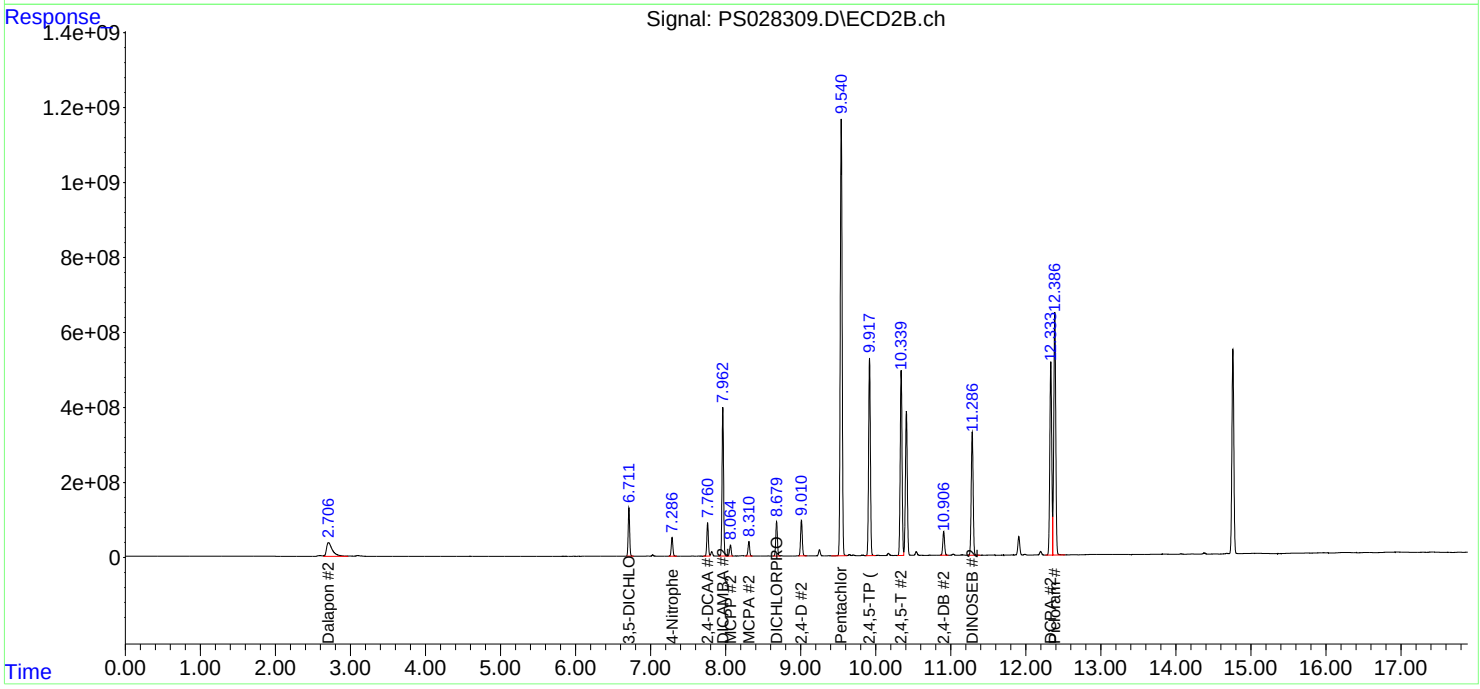
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

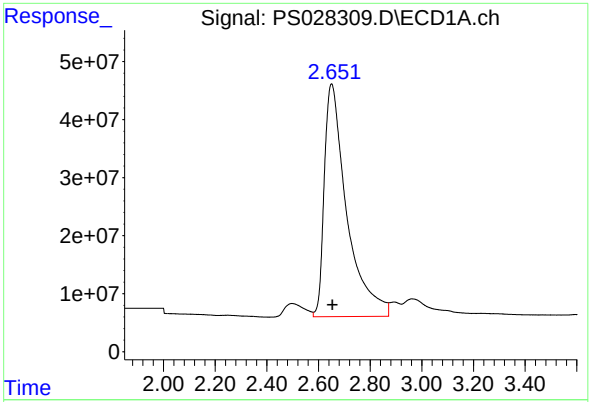
Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 10:27:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

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







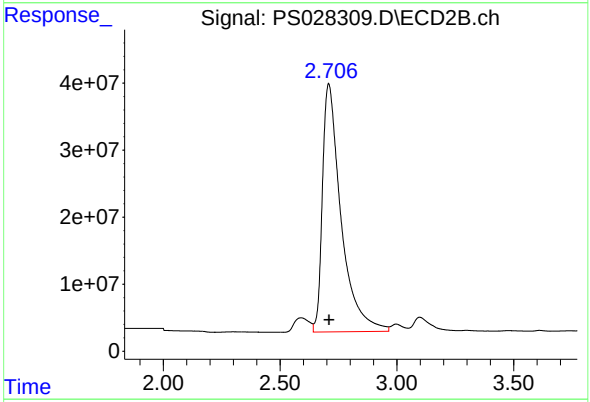
#1 Dalapon

R.T.: 2.650 min
Delta R.T.: -0.004 min
Response: 2423536413
Conc: 680.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

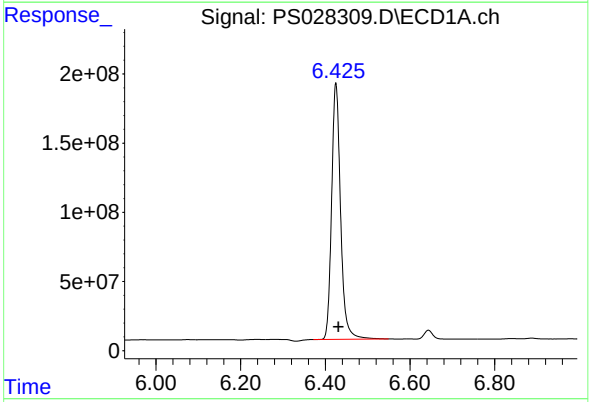
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



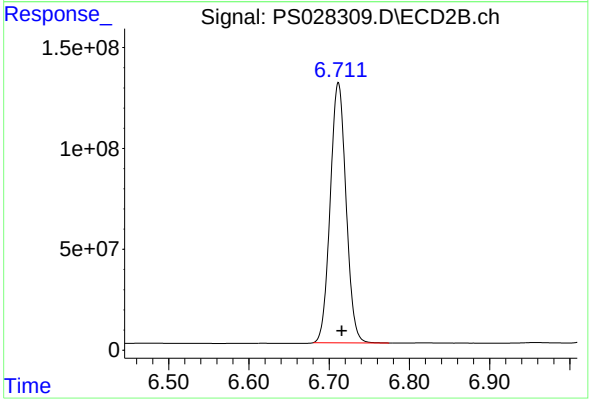
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: -0.002 min
Response: 2052104443
Conc: 697.40 ng/ml



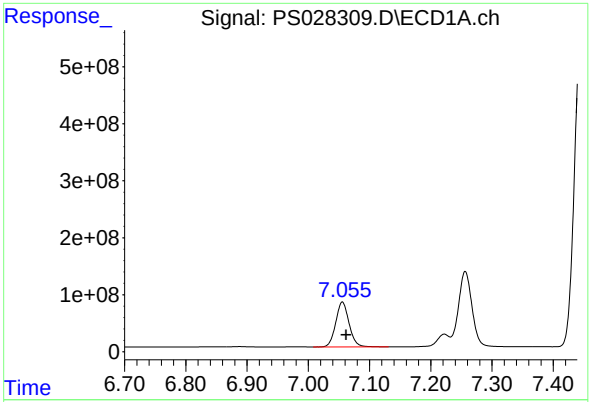
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.425 min
Delta R.T.: -0.005 min
Response: 2723764179
Conc: 726.57 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.711 min
Delta R.T.: -0.004 min
Response: 1765146834
Conc: 697.44 ng/ml



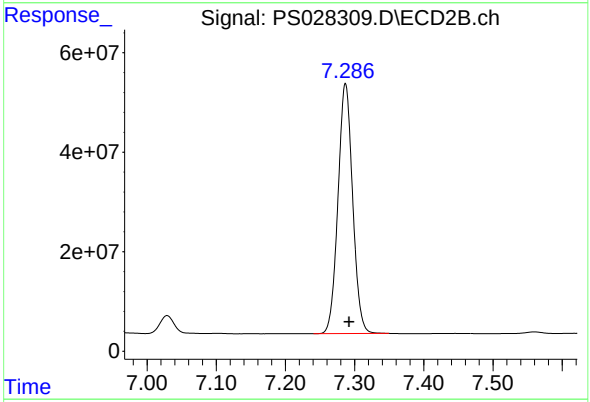
#3 4-Nitrophenol

R.T.: 7.056 min
Delta R.T.: -0.006 min
Response: 1189214773
Conc: 721.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

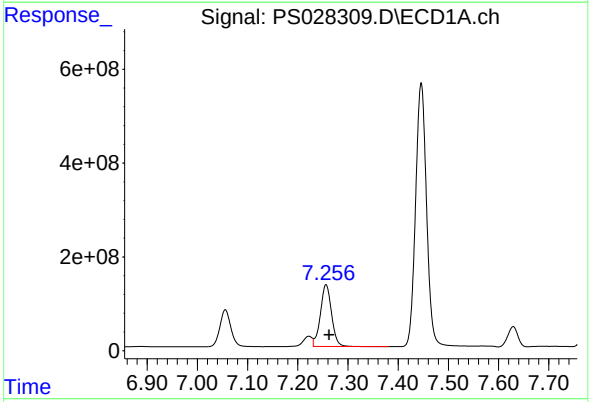
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



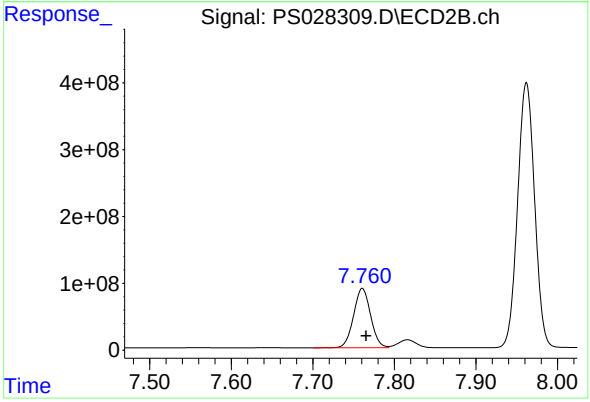
#3 4-Nitrophenol

R.T.: 7.287 min
Delta R.T.: -0.005 min
Response: 738771242
Conc: 644.68 ng/ml



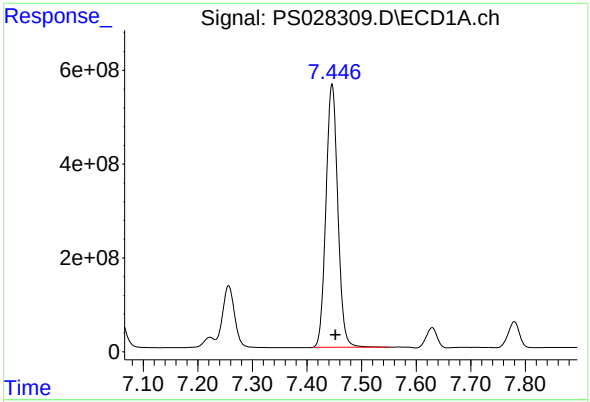
#4 2,4-DCAA

R.T.: 7.256 min
Delta R.T.: -0.006 min
Response: 2036475494
Conc: 795.06 ng/ml



#4 2,4-DCAA

R.T.: 7.761 min
Delta R.T.: -0.005 min
Response: 1289564201
Conc: 740.37 ng/ml



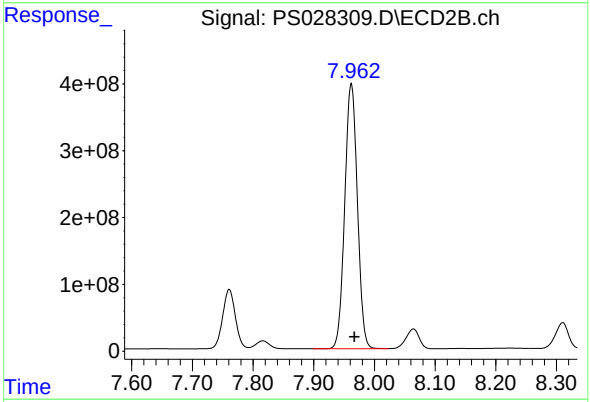
#5 DICAMBA

R.T.: 7.446 min
Delta R.T.: -0.006 min
Response: 8465177436
Conc: 753.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

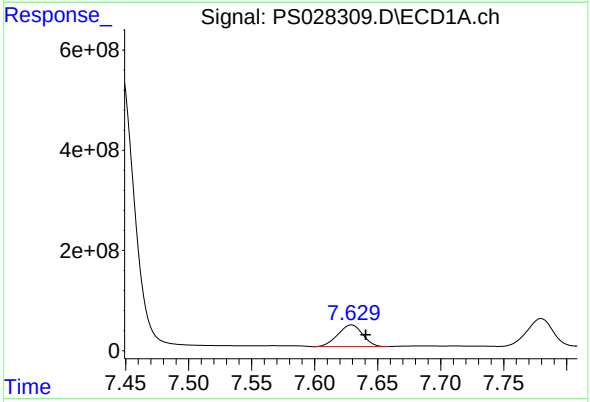
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



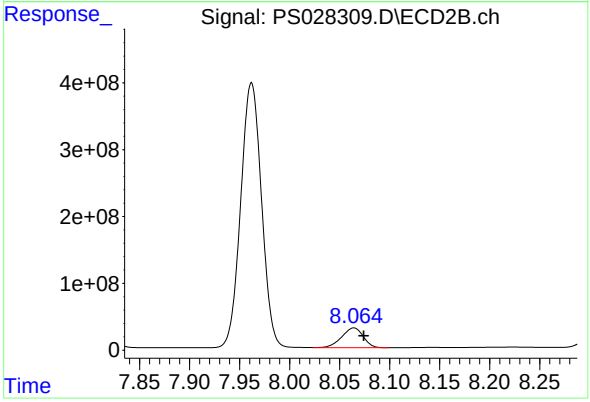
#5 DICAMBA

R.T.: 7.962 min
Delta R.T.: -0.005 min
Response: 5742374327
Conc: 714.89 ng/ml



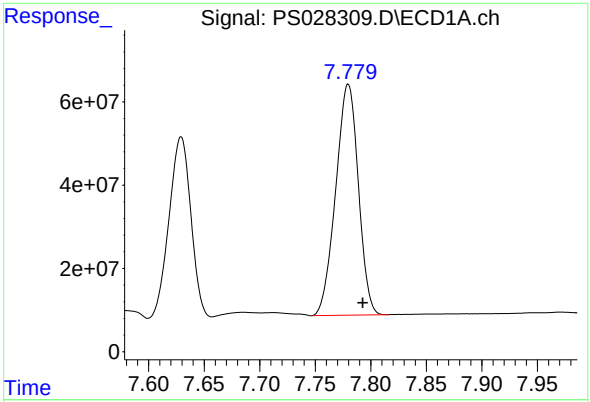
#6 MCPP

R.T.: 7.629 min
Delta R.T.: -0.012 min
Response: 590547557
Conc: 77.88 ug/ml



#6 MCPP

R.T.: 8.064 min
Delta R.T.: -0.010 min
Response: 443612773
Conc: 73.07 ug/ml



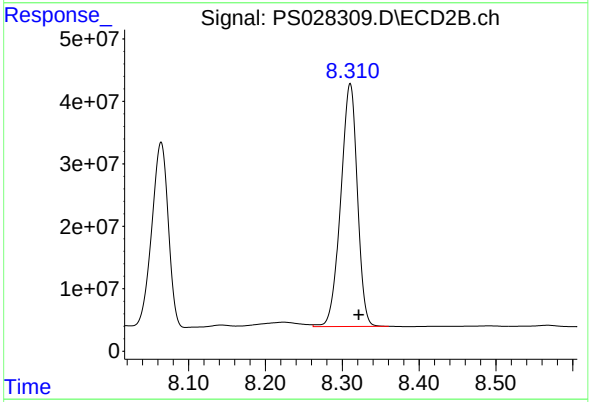
#7 MCPA

R.T.: 7.780 min
Delta R.T.: -0.013 min
Response: 785894252
Conc: 75.49 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

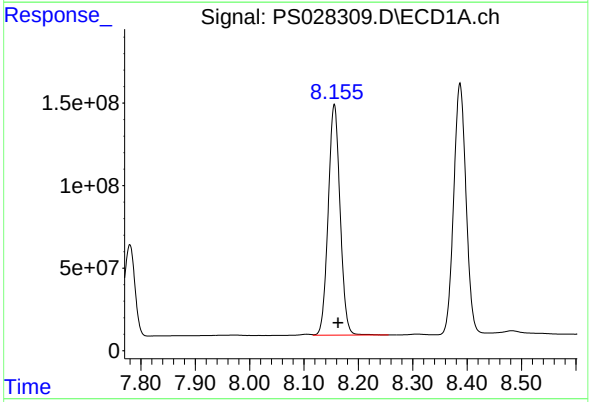
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



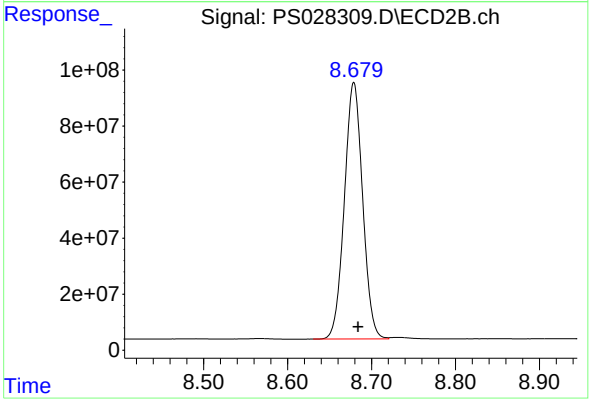
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.012 min
Response: 584443356
Conc: 70.09 ug/ml



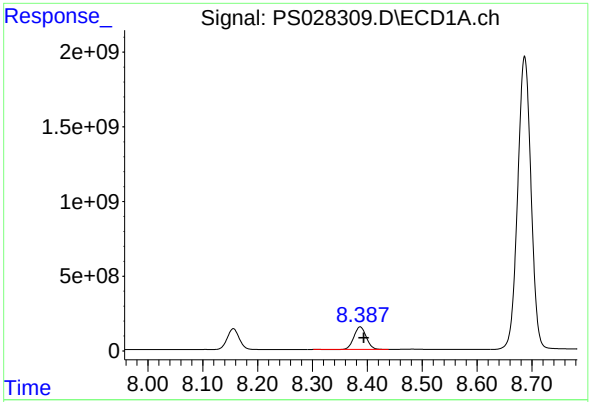
#8 DICHLORPROP

R.T.: 8.156 min
Delta R.T.: -0.007 min
Response: 2128470535
Conc: 754.97 ng/ml



#8 DICHLORPROP

R.T.: 8.679 min
Delta R.T.: -0.005 min
Response: 1385762770
Conc: 689.69 ng/ml



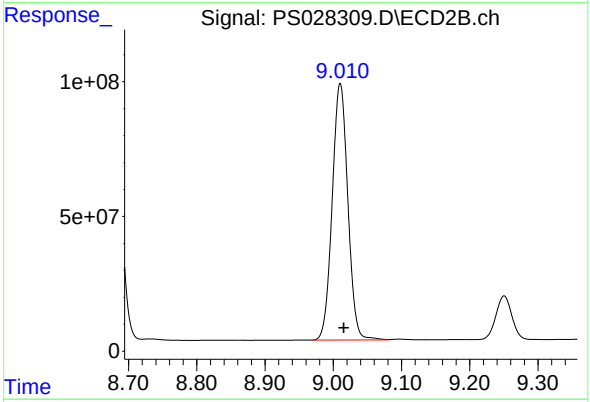
#9 2,4-D

R.T.: 8.387 min
Delta R.T.: -0.007 min
Response: 2380163299
Conc: 754.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

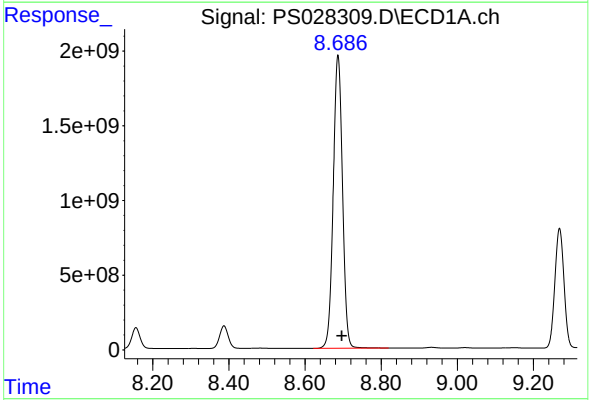
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



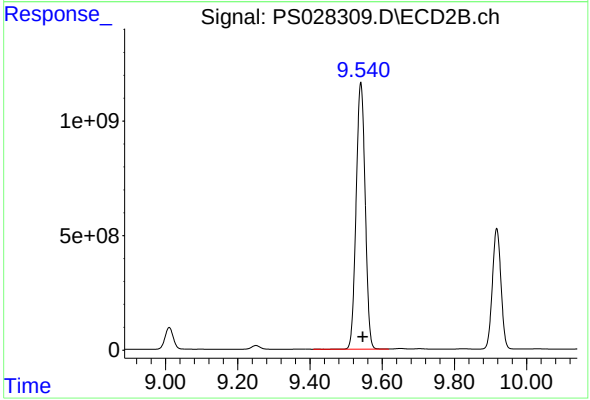
#9 2,4-D

R.T.: 9.010 min
Delta R.T.: -0.005 min
Response: 1512823247
Conc: 678.35 ng/ml



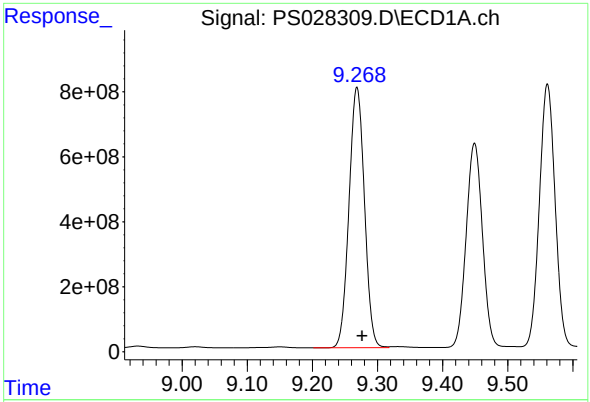
#10 Pentachlorophenol

R.T.: 8.687 min
Delta R.T.: -0.010 min
Response: 33121540305
Conc: 796.91 ng/ml



#10 Pentachlorophenol

R.T.: 9.541 min
Delta R.T.: -0.006 min
Response: 20207797390
Conc: 692.89 ng/ml



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

R.T.: 9.269 min
Delta R.T.: -0.008 min
Response: 13197456282
Conc: 775.15 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
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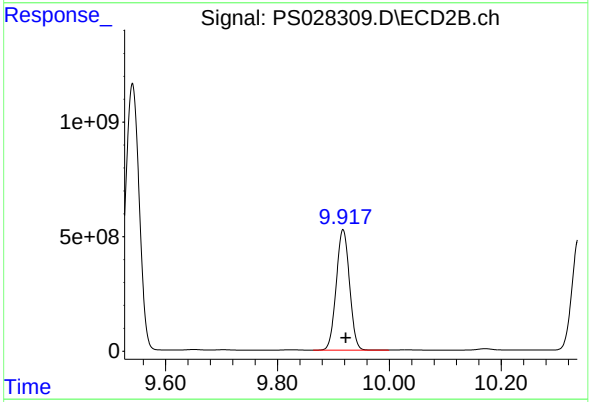
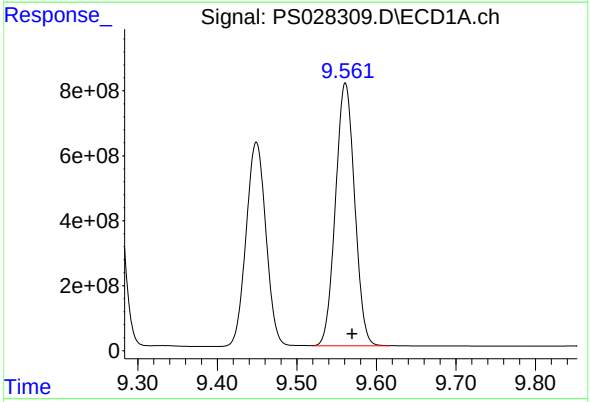


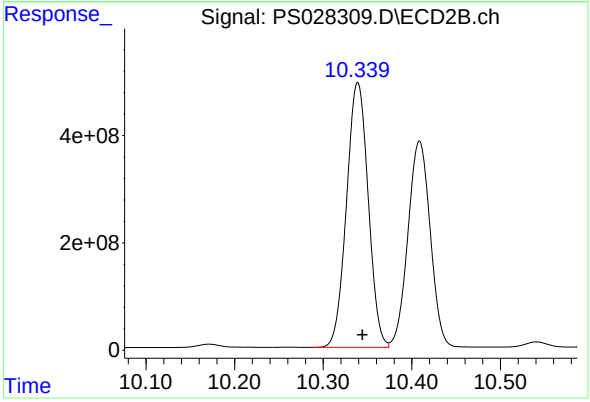
#11 2,4,5-TP (SILVEX)

R.T.: 9.917 min
Delta R.T.: -0.005 min
Response: 8656461475
Conc: 695.71 ng/ml



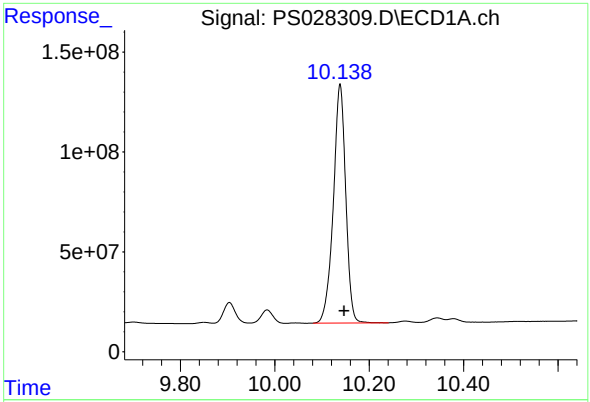
#12 2,4,5-T

R.T.: 9.560 min
Delta R.T.: -0.009 min
Response: 13509409918
Conc: 779.29 ng/ml m



#12 2,4,5-T

R.T.: 10.339 min
Delta R.T.: -0.005 min
Response: 8396505841
Conc: 684.49 ng/ml



#13 2,4-DB

R.T.: 10.138 min
Delta R.T.: -0.008 min
Response: 2178743018
Conc: 770.82 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
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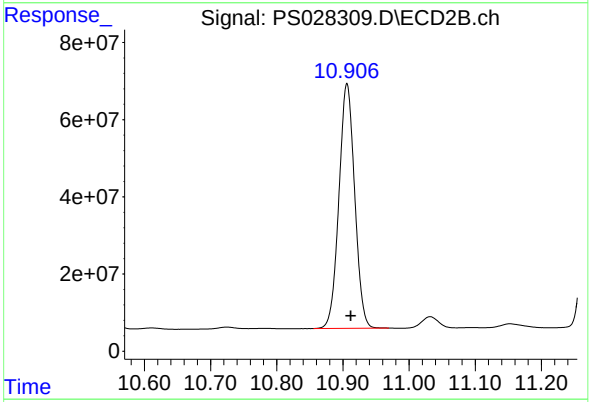
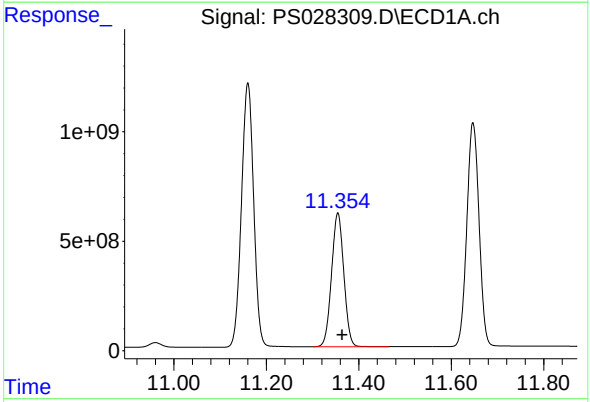


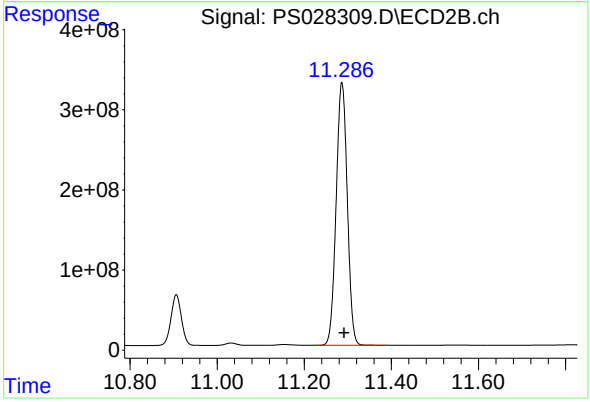
#13 2,4-DB

R.T.: 10.906 min
Delta R.T.: -0.006 min
Response: 1047645106
Conc: 661.02 ng/ml



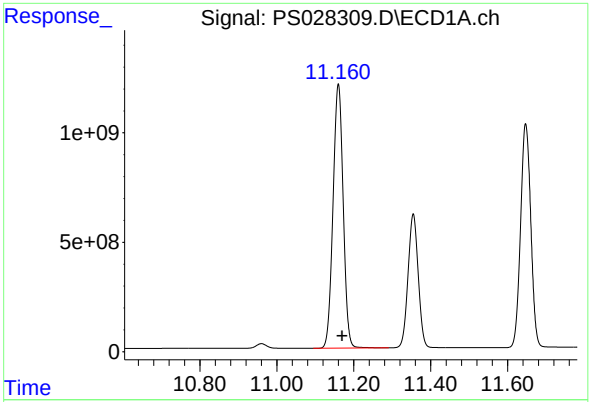
#14 DINOSEB

R.T.: 11.355 min
Delta R.T.: -0.009 min
Response: 11238178628
Conc: 777.25 ng/ml



#14 DINOSEB

R.T.: 11.286 min
Delta R.T.: -0.005 min
Response: 5813302087
Conc: 666.54 ng/ml



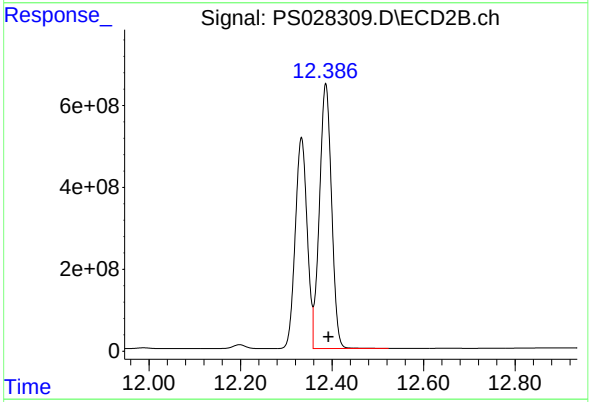
#15 Picloram

R.T.: 11.160 min
Delta R.T.: -0.009 min
Response: 22125533866
Conc: 762.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

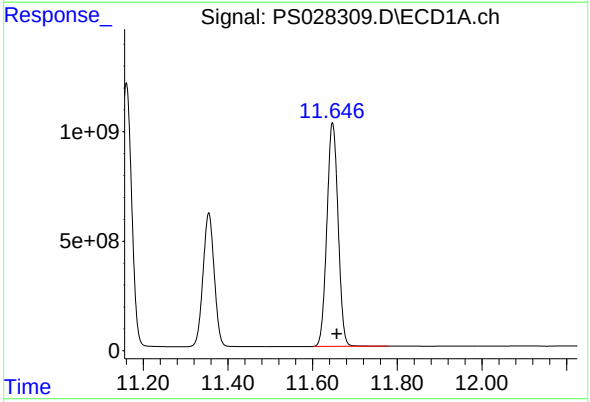
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



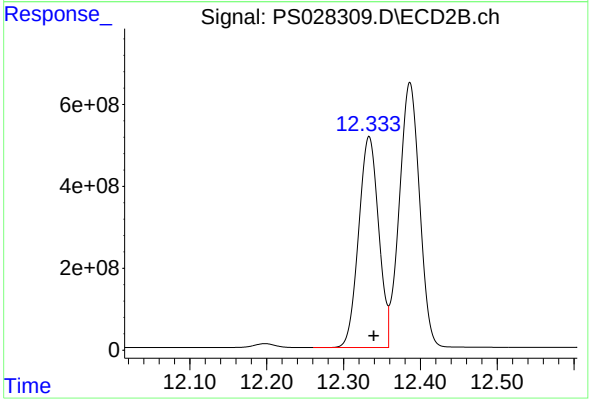
#15 Picloram

R.T.: 12.386 min
Delta R.T.: -0.006 min
Response: 11844583787
Conc: 656.86 ng/ml



#16 DCPA

R.T.: 11.647 min
Delta R.T.: -0.010 min
Response: 18767903682
Conc: 789.92 ng/ml



#16 DCPA

R.T.: 12.333 min
Delta R.T.: -0.006 min
Response: 9312153958
Conc: 664.66 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 10:48 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.44	7.44	7.34	7.54	0.01
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.15	8.15	8.05	8.25	0.00
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.13	10.13	10.03	10.23	0.00
Dinoseb	11.34	11.35	11.25	11.45	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 10:48 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028394.D **Time Analyzed:** 10:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.549	9.452	9.652	730.660	712.500	2.5
2,4,5-TP(Silvex)	9.256	9.160	9.360	734.350	712.500	3.1
2,4-D	8.376	8.279	8.479	710.050	705.000	0.7
2,4-DB	10.125	10.029	10.229	710.990	712.500	-0.2
2,4-DCAA	7.247	7.150	7.350	725.710	750.000	-3.2
DICAMBA	7.435	7.338	7.538	729.350	705.000	3.5
DICHLORPROP	8.145	8.048	8.248	716.330	705.000	1.6
Dinoseb	11.340	11.245	11.445	722.510	705.000	2.5

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL04 **Date Analyzed:** 11/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028394.D **Time Analyzed:** 10:48

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.329	10.233	10.433	681.690	712.500	-4.3
2,4,5-TP(Silvex)	9.907	9.811	10.011	684.040	712.500	-4.0
2,4-D	9.001	8.905	9.105	655.650	705.000	-7.0
2,4-DB	10.896	10.800	11.000	666.430	712.500	-6.5
2,4-DCAA	7.752	7.655	7.855	708.230	750.000	-5.6
DICAMBA	7.953	7.856	8.056	682.010	705.000	-3.3
DICHLORPROP	8.670	8.573	8.773	670.220	705.000	-4.9
Dinoseb	11.276	11.180	11.380	674.250	705.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 10:48
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:09:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.247	7.752	2003.5E6	1128.5E6	725.705m	708.225
	Target Compounds						
1) T	Dalapon	2.646	2.705	2506.6E6	1829.0E6	702.508	644.987
2) T	3,5-DICHL...	6.417	6.705	2818.8E6	1557.4E6	704.459	657.403
3) T	4-Nitroph...	7.046	7.278	1233.3E6	650.0E6	665.105	613.797
5) T	DICAMBA	7.435	7.953	8781.9E6	4889.6E6	729.347	682.005
6) T	MCPP	7.619	8.055	604.2E6	390.0E6	73.874	66.387
7) T	MCPA	7.770	8.301	799.0E6	521.9E6	71.258	65.175
8) T	DICHLORPROP	8.145	8.670	2220.4E6	1193.8E6	716.333	670.222
9) T	2,4-D	8.376	9.001	2495.3E6	1267.9E6	710.047	655.651
10) T	Pentachlo...	8.676	9.531	34677.7E6	17199.4E6	769.894	690.272
11) T	2,4,5-TP ...	9.256	9.907	13900.5E6	7245.5E6	734.351	684.038
12) T	2,4,5-T	9.549	10.329	14160.9E6	7073.2E6	730.659	681.686
13) T	2,4-DB	10.125	10.896	2197.6E6	883.2E6	710.988	666.430
14) T	DINOSEB	11.340	11.276	11714.3E6	4839.3E6	722.506	674.248
15) T	Picloram	11.146	12.374	22650.4E6	9789.4E6	721.212	680.174
16) T	DCPA	11.633	12.321	19633.6E6	7714.1E6	734.614	688.138

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

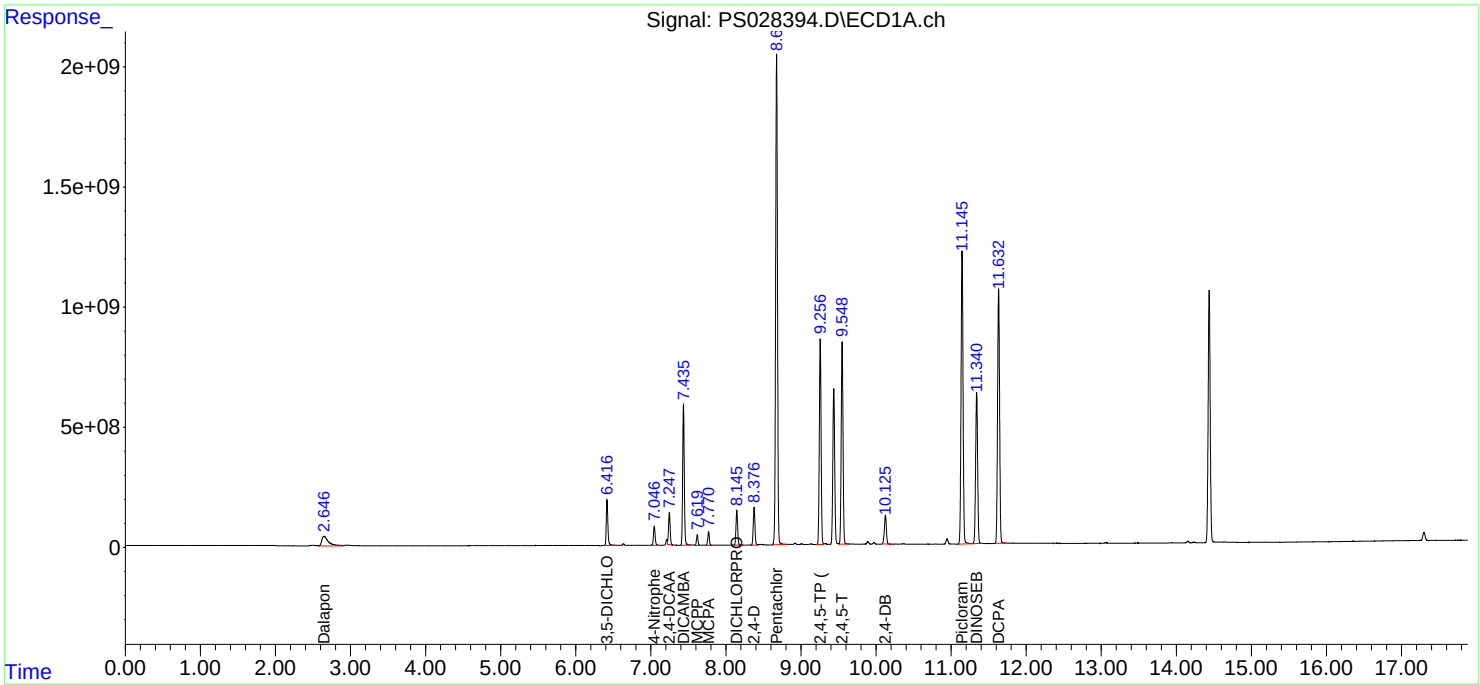
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028394.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 10:48
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

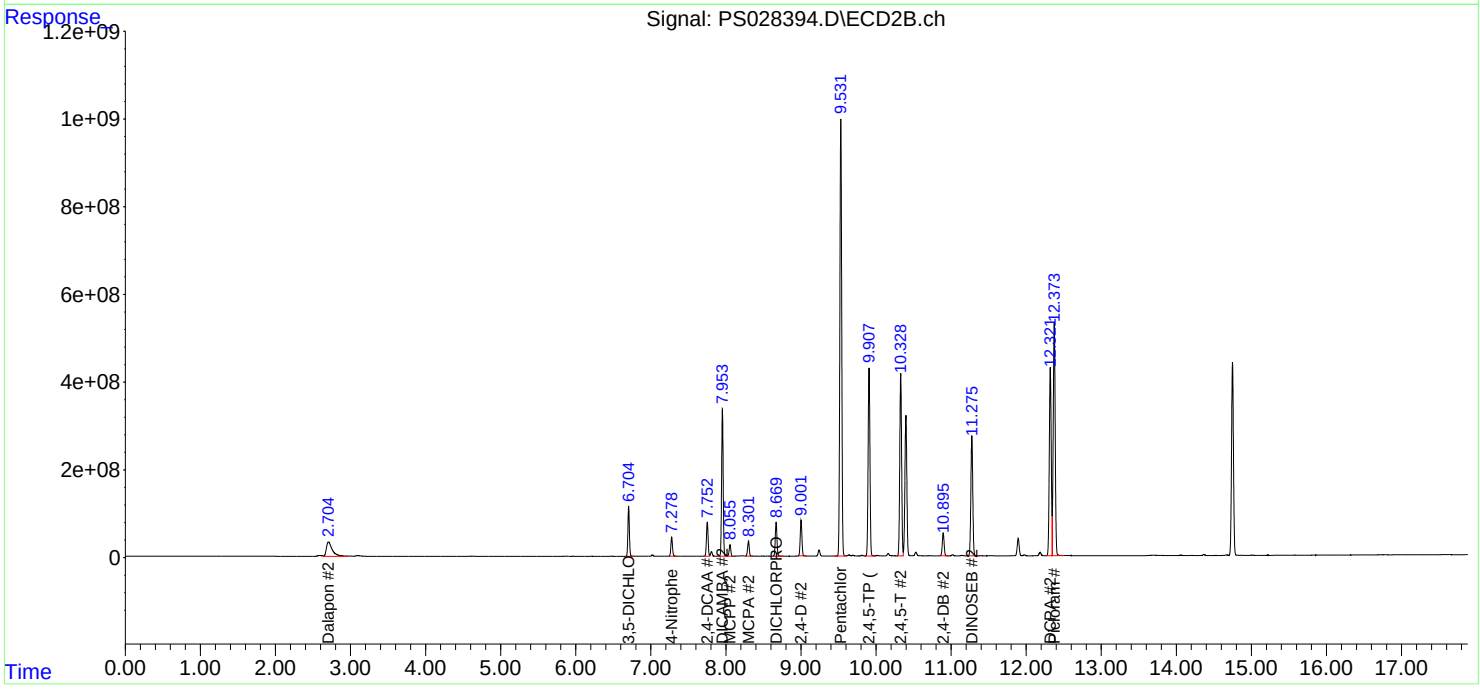
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

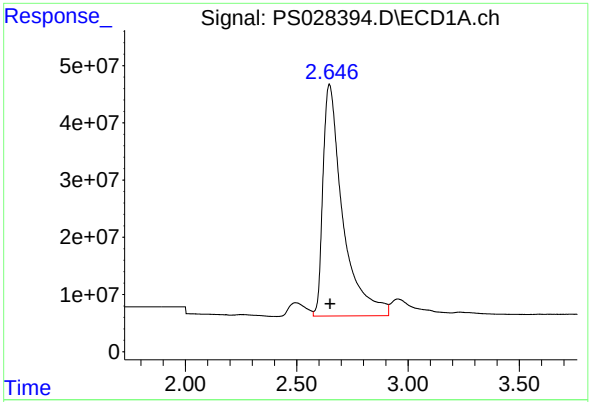
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:09:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
Response via : Initial Calibration
Integrator: ChemStation

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







#1 Dalapon

R.T.: 2.646 min
Delta R.T.: -0.004 min
Response: 2506635032
Conc: 702.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
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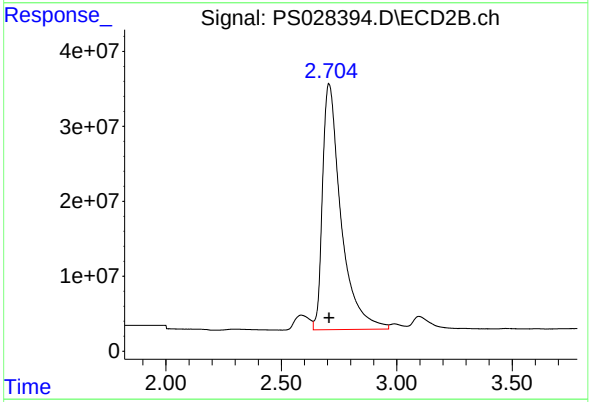
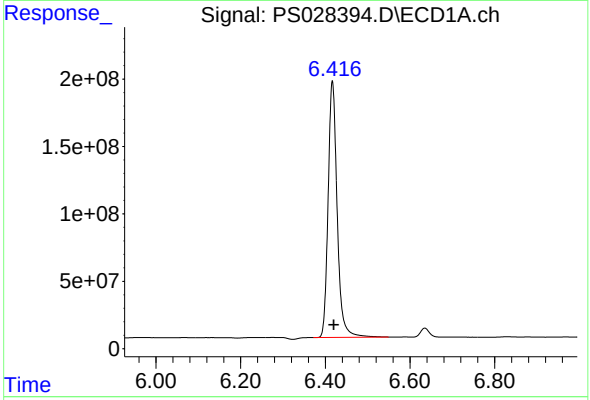


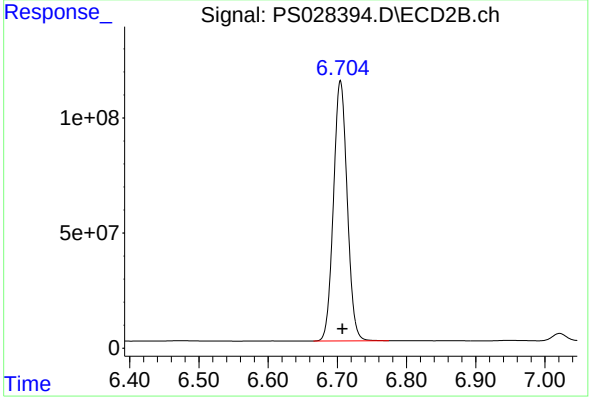
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.002 min
Response: 1828964731
Conc: 644.99 ng/ml



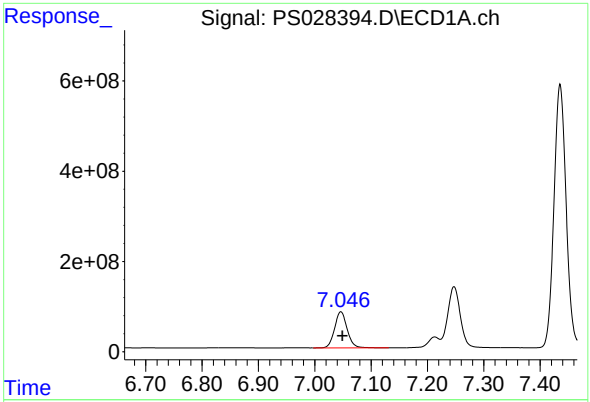
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.417 min
Delta R.T.: -0.003 min
Response: 2818812601
Conc: 704.46 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min
Delta R.T.: -0.003 min
Response: 1557417507
Conc: 657.40 ng/ml



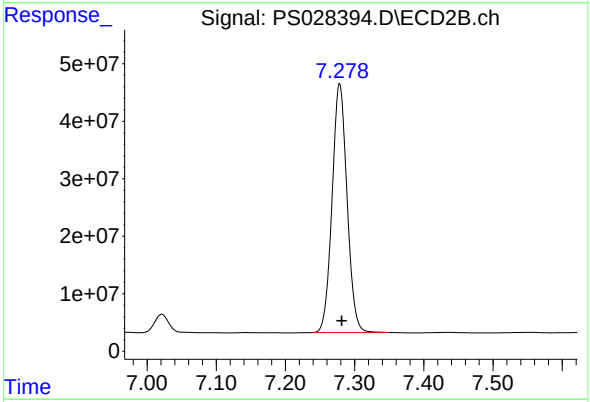
#3 4-Nitrophenol

R.T.: 7.046 min
Delta R.T.: -0.003 min
Response: 1233257327
Conc: 665.10 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

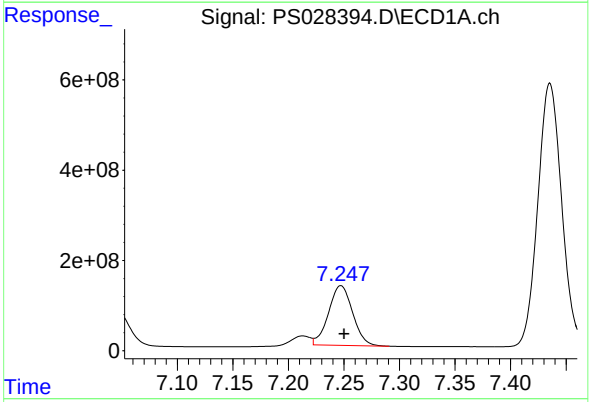
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



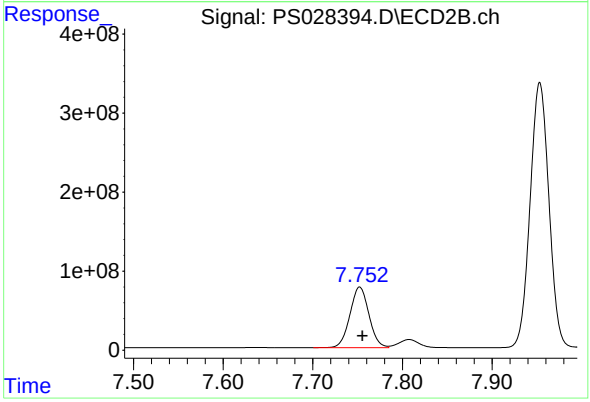
#3 4-Nitrophenol

R.T.: 7.278 min
Delta R.T.: -0.003 min
Response: 650014228
Conc: 613.80 ng/ml



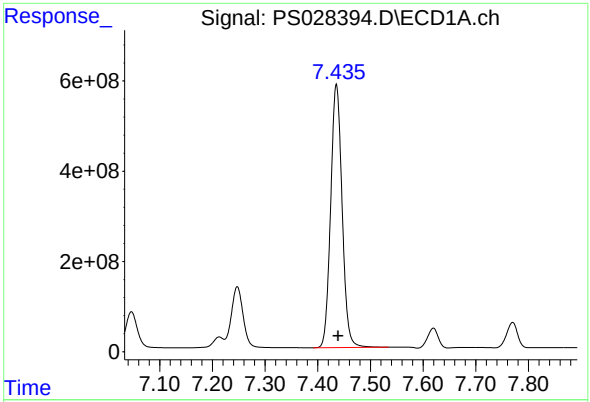
#4 2,4-DCAA

R.T.: 7.247 min
Delta R.T.: -0.003 min
Response: 2003494344
Conc: 725.71 ng/ml m



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.003 min
Response: 1128501238
Conc: 708.23 ng/ml



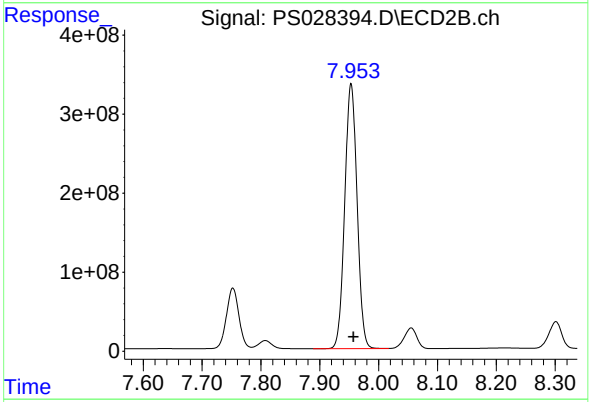
#5 DICAMBA

R.T.: 7.435 min
Delta R.T.: -0.003 min
Response: 8781881633
Conc: 729.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

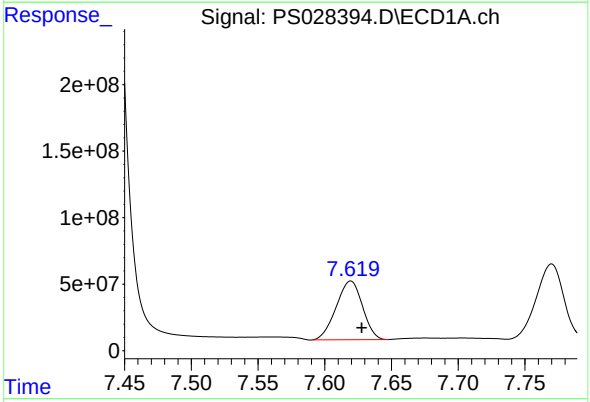
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



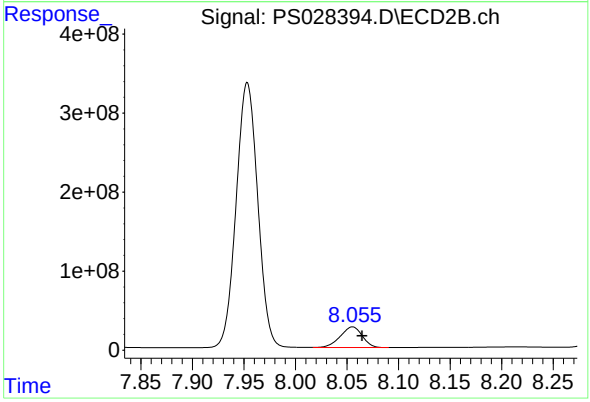
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.004 min
Response: 4889644930
Conc: 682.01 ng/ml



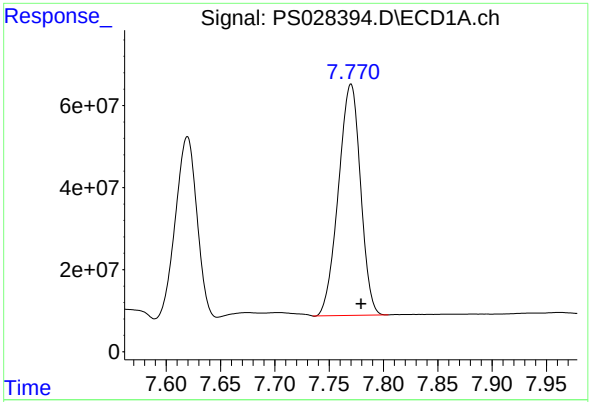
#6 MCPP

R.T.: 7.619 min
Delta R.T.: -0.008 min
Response: 604186720
Conc: 73.87 ug/ml



#6 MCPP

R.T.: 8.055 min
Delta R.T.: -0.009 min
Response: 389992898
Conc: 66.39 ug/ml



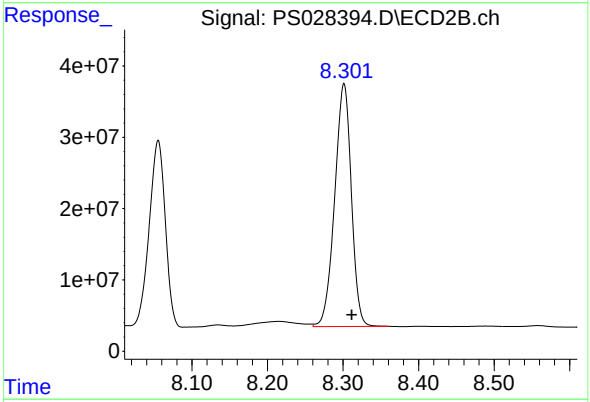
#7 MCPA

R.T.: 7.770 min
Delta R.T.: -0.010 min
Response: 798951513
Conc: 71.26 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

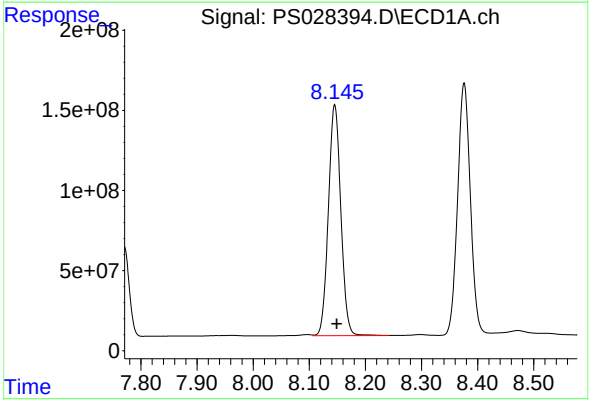
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



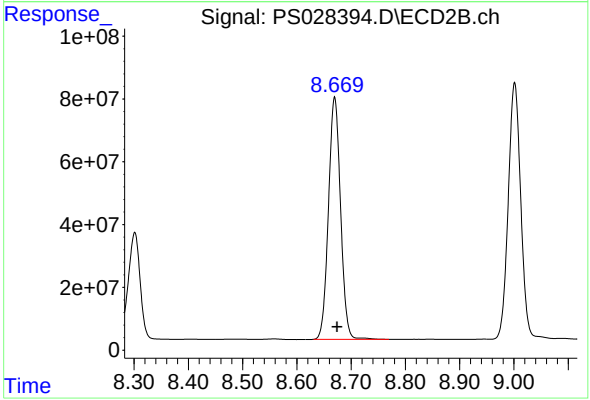
#7 MCPA

R.T.: 8.301 min
Delta R.T.: -0.010 min
Response: 521900841
Conc: 65.18 ug/ml



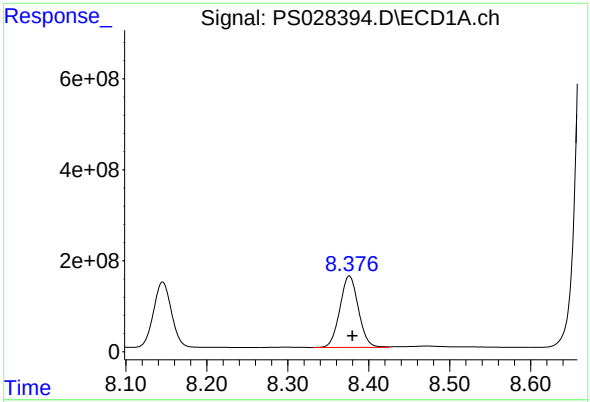
#8 DICHLORPROP

R.T.: 8.145 min
Delta R.T.: -0.004 min
Response: 2220374042
Conc: 716.33 ng/ml



#8 DICHLORPROP

R.T.: 8.670 min
Delta R.T.: -0.004 min
Response: 1193842338
Conc: 670.22 ng/ml



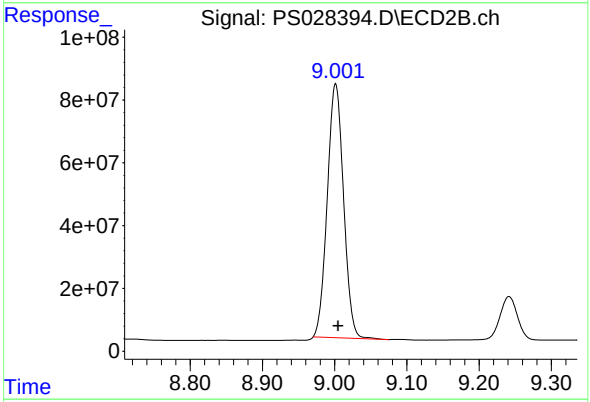
#9 2,4-D

R.T.: 8.376 min
Delta R.T.: -0.004 min
Response: 2495251356
Conc: 710.05 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

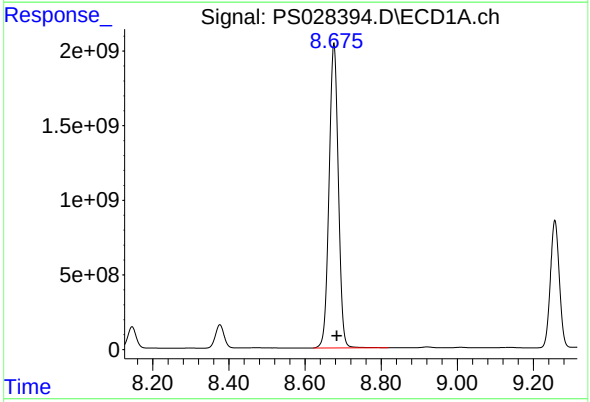
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



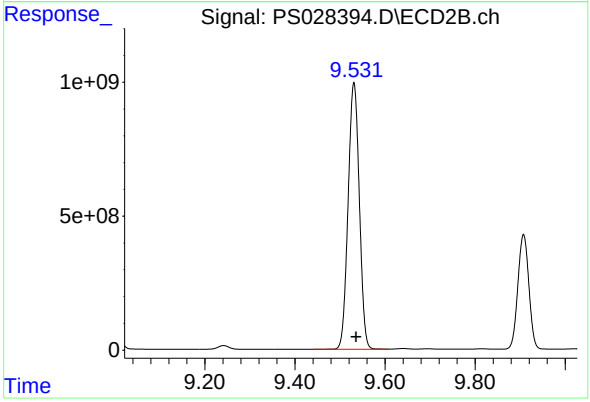
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: -0.004 min
Response: 1267908761
Conc: 655.65 ng/ml



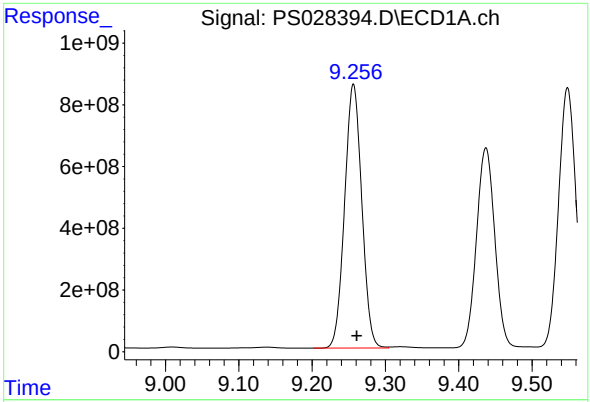
#10 Pentachlorophenol

R.T.: 8.676 min
Delta R.T.: -0.007 min
Response: 34677657557
Conc: 769.89 ng/ml



#10 Pentachlorophenol

R.T.: 9.531 min
Delta R.T.: -0.005 min
Response: 17199393646
Conc: 690.27 ng/ml



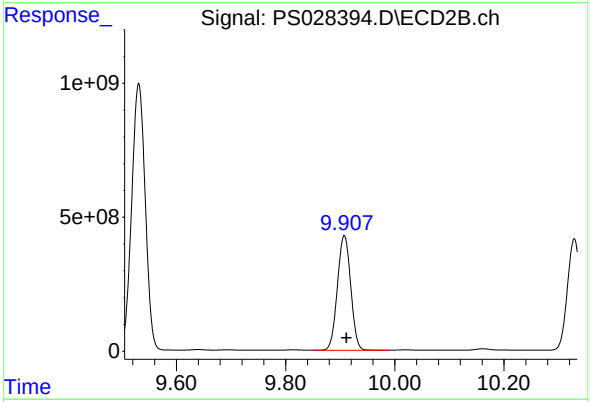
#11 2,4,5-TP (SILVEX)

R.T.: 9.256 min
Delta R.T.: -0.004 min
Response: 13900504514
Conc: 734.35 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

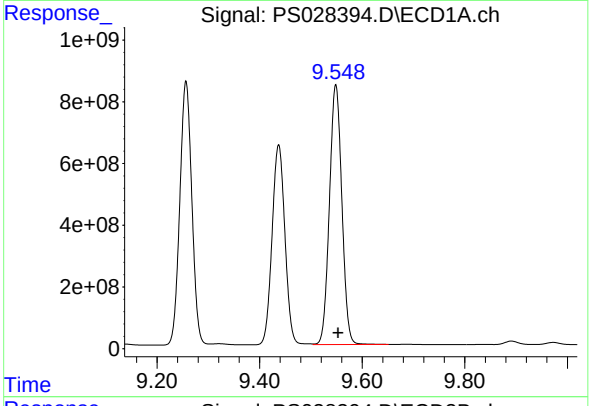
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



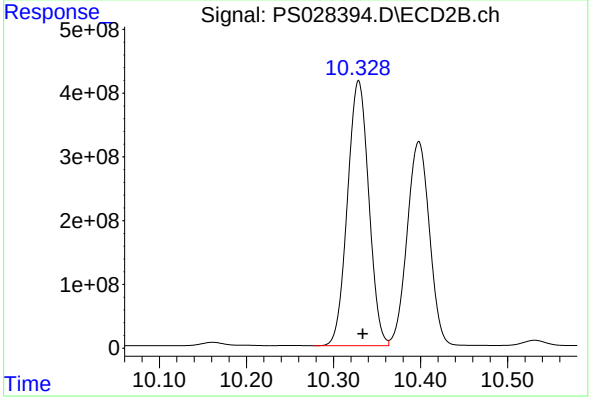
#11 2,4,5-TP (SILVEX)

R.T.: 9.907 min
Delta R.T.: -0.004 min
Response: 7245474972
Conc: 684.04 ng/ml



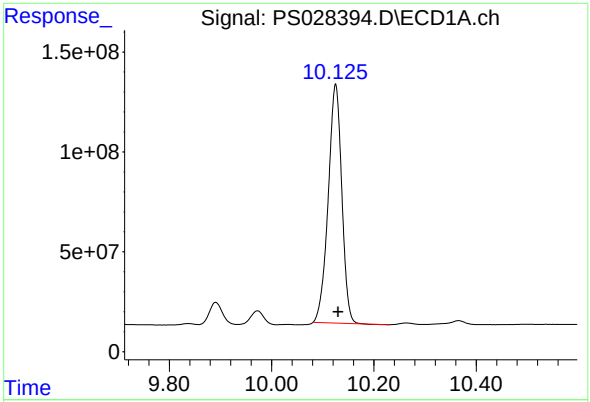
#12 2,4,5-T

R.T.: 9.549 min
Delta R.T.: -0.004 min
Response: 14160909750
Conc: 730.66 ng/ml



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: -0.005 min
Response: 7073192038
Conc: 681.69 ng/ml



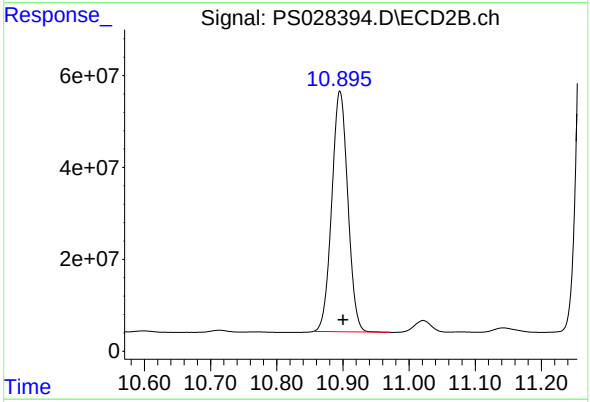
#13 2,4-DB

R.T.: 10.125 min
Delta R.T.: -0.005 min
Response: 2197581640
Conc: 710.99 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

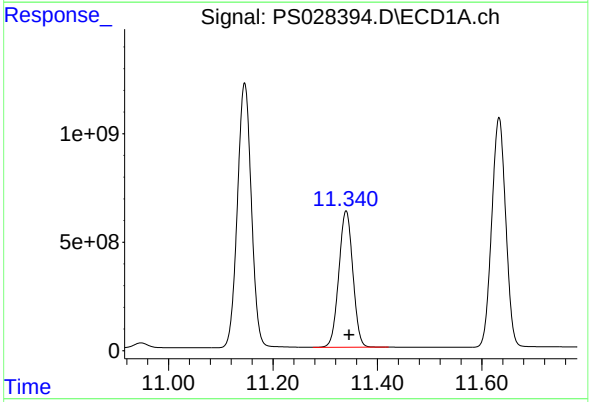
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



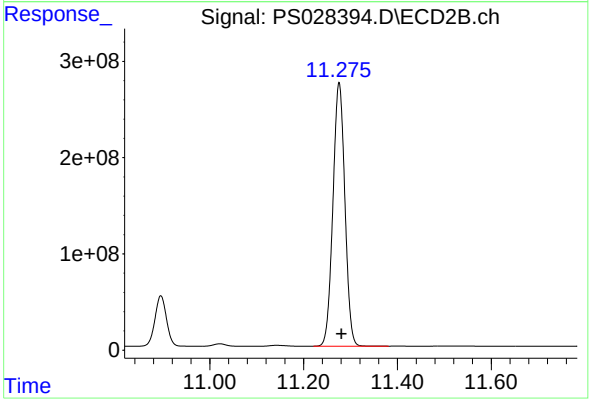
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: -0.005 min
Response: 883206685
Conc: 666.43 ng/ml



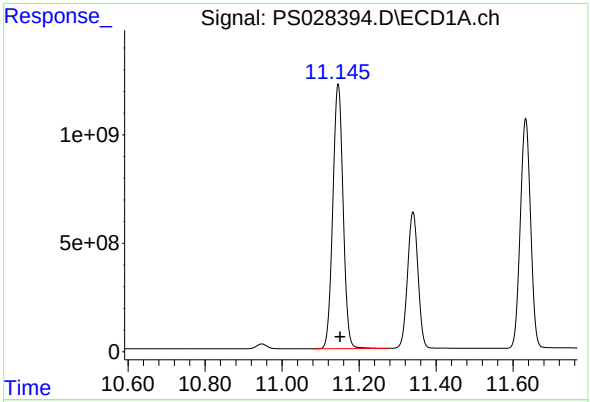
#14 DINOSEB

R.T.: 11.340 min
Delta R.T.: -0.005 min
Response: 11714255821
Conc: 722.51 ng/ml



#14 DINOSEB

R.T.: 11.276 min
Delta R.T.: -0.005 min
Response: 4839309867
Conc: 674.25 ng/ml



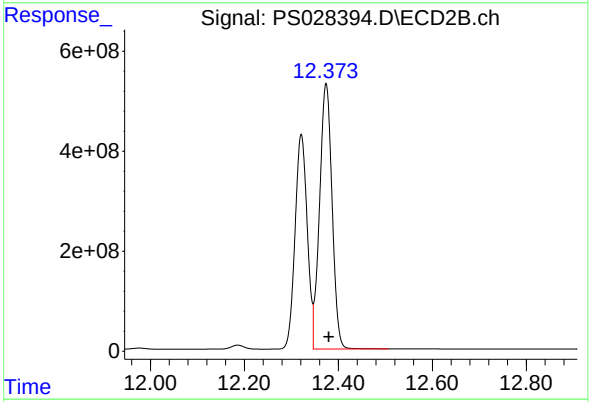
#15 Picloram

R.T.: 11.146 min
Delta R.T.: -0.005 min
Response: 22650371403
Conc: 721.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

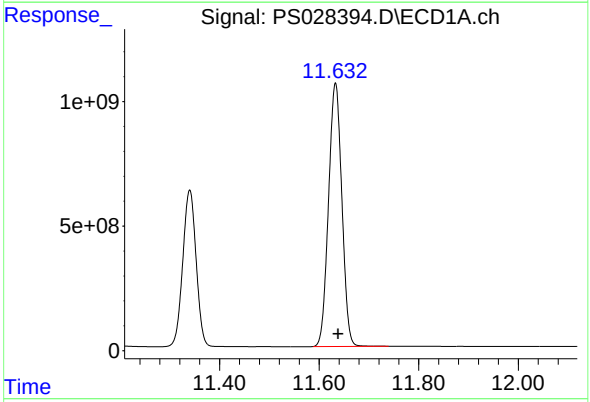
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



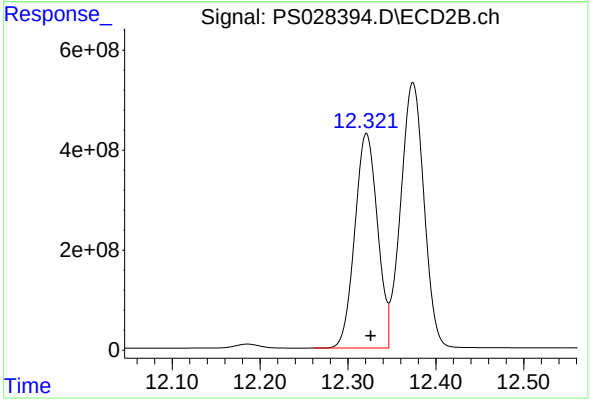
#15 Picloram

R.T.: 12.374 min
Delta R.T.: -0.005 min
Response: 9789410378
Conc: 680.17 ng/ml



#16 DCPA

R.T.: 11.633 min
Delta R.T.: -0.005 min
Response: 19633606021
Conc: 734.61 ng/ml



#16 DCPA

R.T.: 12.321 min
Delta R.T.: -0.005 min
Response: 7714127346
Conc: 688.14 ng/ml

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 16:33 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.43	7.44	7.34	7.54	0.01
2,4-DCAA	7.25	7.25	7.15	7.35	0.00
DICHLORPROP	8.14	8.15	8.05	8.25	0.01
2,4-D	8.38	8.38	8.28	8.48	0.00
2,4,5-TP(Silvex)	9.26	9.26	9.16	9.36	0.00
2,4,5-T	9.55	9.55	9.45	9.65	0.00
2,4-DB	10.12	10.13	10.03	10.23	0.01
Dinoseb	11.34	11.35	11.25	11.45	0.01

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

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Continuing Calib Date: 11/11/2024 **Initial Calibration Date(s):** 11/08/2024 11/08/2024

Continuing Calib Time: 16:33 **Initial Calibration Time(s):** 15:13 16:58

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
DICAMBA	7.95	7.96	7.86	8.06	0.01
2,4-DCAA	7.75	7.76	7.66	7.86	0.01
DICHLORPROP	8.67	8.67	8.57	8.77	0.00
2,4-D	9.00	9.01	8.91	9.11	0.01
2,4,5-TP(Silvex)	9.91	9.91	9.81	10.01	0.00
2,4,5-T	10.33	10.33	10.23	10.43	0.00
2,4-DB	10.90	10.90	10.80	11.00	0.00
Dinoseb	11.28	11.28	11.18	11.38	0.00

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL05 **Date Analyzed:** 11/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028406.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.547	9.452	9.652	727.150	712.500	2.1
2,4,5-TP(Silvex)	9.255	9.160	9.360	727.880	712.500	2.2
2,4-D	8.375	8.279	8.479	706.140	705.000	0.2
2,4-DB	10.124	10.029	10.229	698.650	712.500	-1.9
2,4-DCAA	7.246	7.150	7.350	749.600	750.000	-0.1
DICAMBA	7.434	7.338	7.538	723.500	705.000	2.6
DICHLORPROP	8.144	8.048	8.248	710.450	705.000	0.8
Dinoseb	11.339	11.245	11.445	715.780	705.000	1.5

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CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

GC Column: RTX-CLP2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 11/08/2024 11/08/2024

Client Sample No.: CCAL05 **Date Analyzed:** 11/11/2024

Lab Sample No.: HSTDCCC750 **Data File :** PS028406.D **Time Analyzed:** 16:33

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.328	10.233	10.433	676.610	712.500	-5.0
2,4,5-TP(Silvex)	9.908	9.811	10.011	676.600	712.500	-5.0
2,4-D	9.001	8.905	9.105	642.510	705.000	-8.9
2,4-DB	10.895	10.800	11.000	657.840	712.500	-7.7
2,4-DCAA	7.752	7.655	7.855	697.880	750.000	-6.9
DICAMBA	7.953	7.856	8.056	674.960	705.000	-4.3
DICHLORPROP	8.669	8.573	8.773	656.080	705.000	-6.9
Dinoseb	11.276	11.180	11.380	665.940	705.000	-5.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:33
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: Nov 11 23:19:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.246	7.752	2069.5E6	1112.0E6	749.602	697.878
	Target Compounds						
1) T	Dalapon	2.647	2.706	2488.3E6	1823.1E6	697.382	642.907
2) T	3,5-DICHL...	6.416	6.704	2797.4E6	1538.7E6	699.109	649.507
3) T	4-Nitroph...	7.045	7.278	1221.9E6	645.5E6	658.998	609.543
5) T	DICAMBA	7.434	7.953	8711.5E6	4839.2E6	723.502	674.963
6) T	MCPP	7.618	8.055	589.2E6	379.5E6	72.039	64.606
7) T	MCPA	7.768	8.301	788.6E6	509.9E6	70.336	63.682
8) T	DICHLORPROP	8.144	8.669	2202.1E6	1168.7E6	710.451	656.080
9) T	2,4-D	8.375	9.001	2481.5E6	1242.5E6	706.143	642.509
10) T	Pentachlo...	8.675	9.531	34206.6E6	16997.6E6	759.435	682.175
11) T	2,4,5-TP ...	9.255	9.908	13778.1E6	7166.6E6	727.883	676.596
12) T	2,4,5-T	9.547	10.328	14092.9E6	7020.5E6	727.151	676.611
13) T	2,4-DB	10.124	10.895	2159.4E6	871.8E6	698.646	657.840
14) T	DINOSEB	11.339	11.276	11605.2E6	4779.7E6	715.781	665.943
15) T	Picloram	11.144	12.373	22787.5E6	9898.5E6	725.579	687.757
16) T	DCPA	11.632	12.321	19401.4E6	7625.2E6	725.928	680.209

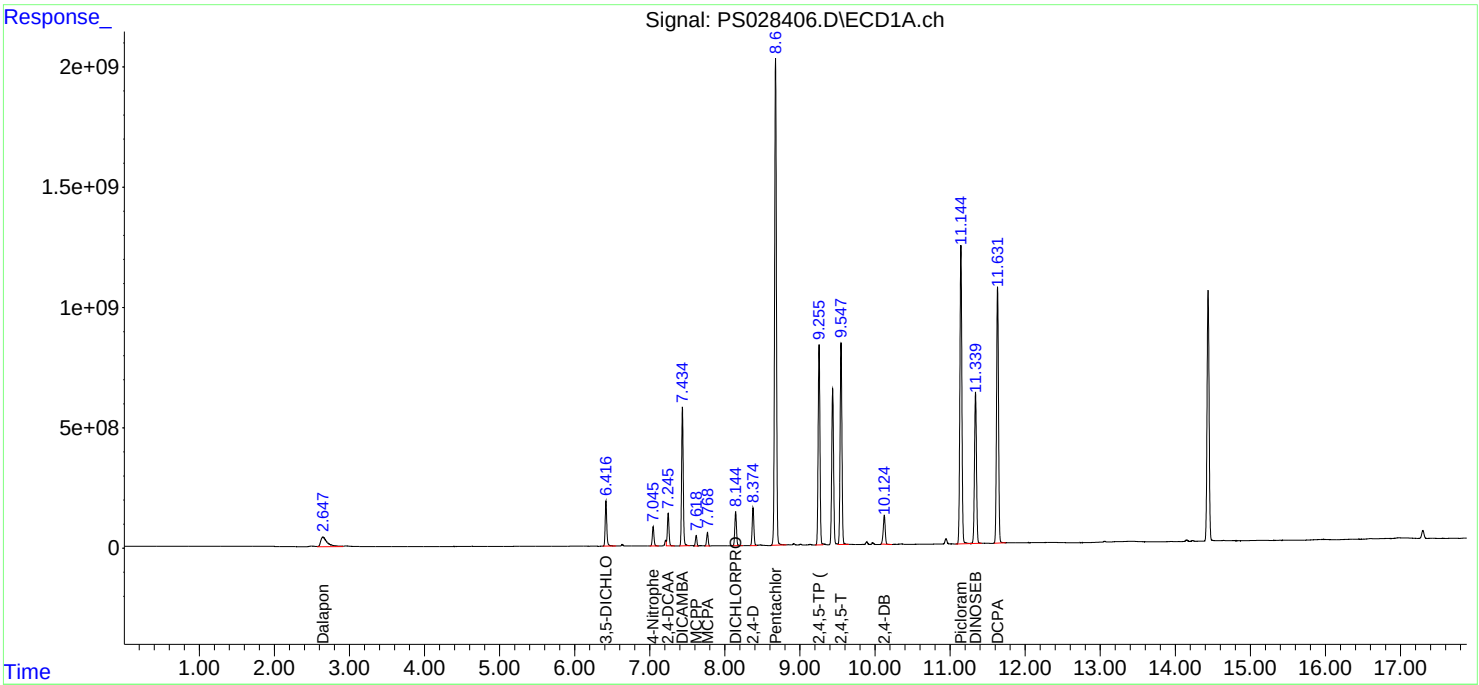
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

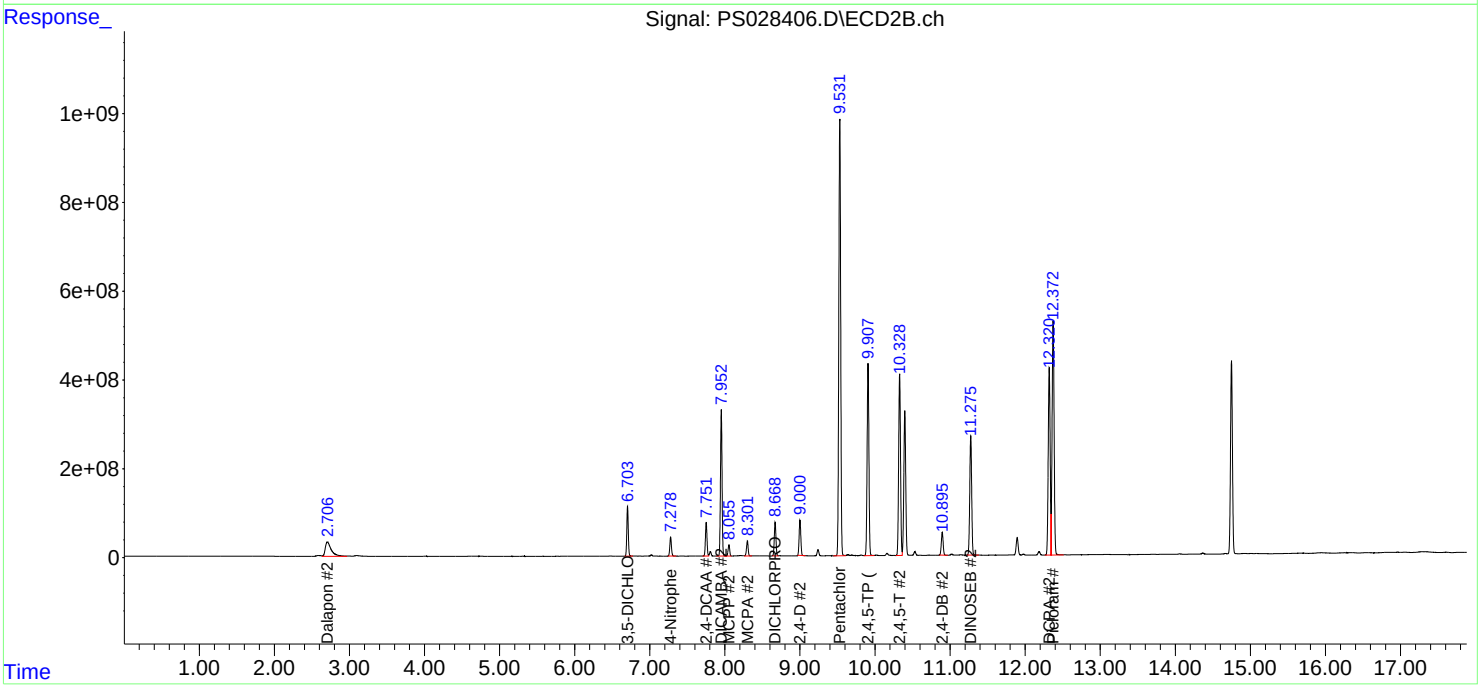
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:33
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

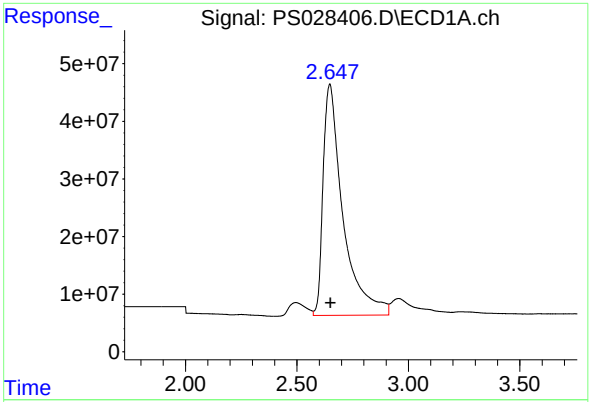
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:19:52 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



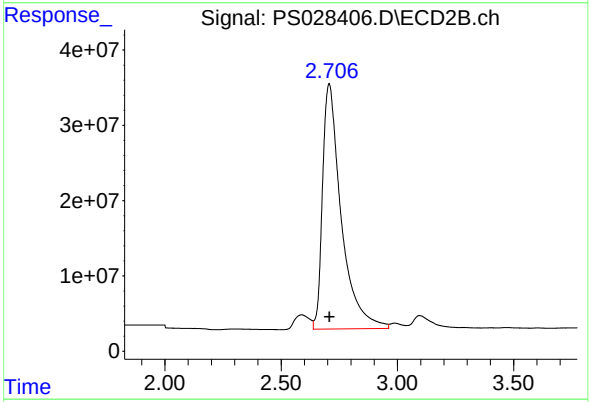




#1 Dalapon

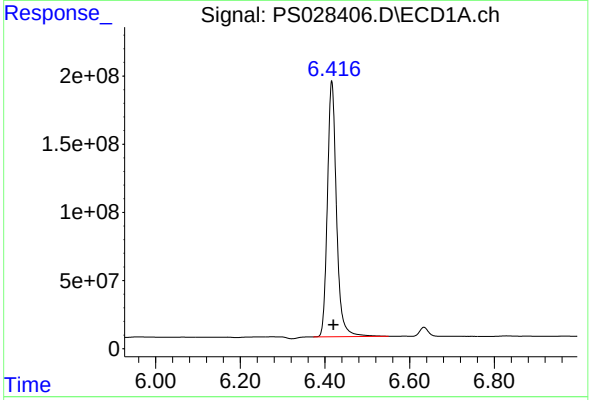
R.T.: 2.647 min
Delta R.T.: -0.003 min
Response: 2488344762
Conc: 697.38 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



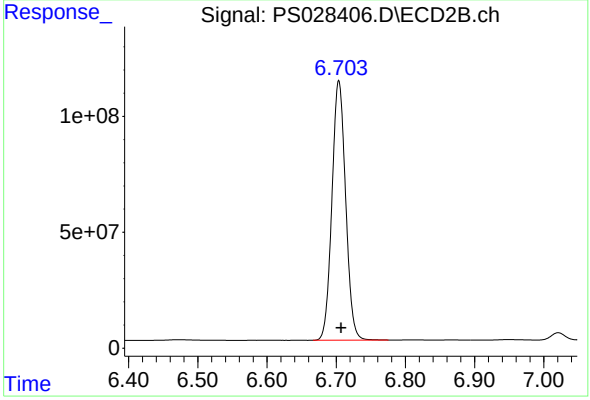
#1 Dalapon

R.T.: 2.706 min
Delta R.T.: 0.000 min
Response: 1823066770
Conc: 642.91 ng/ml



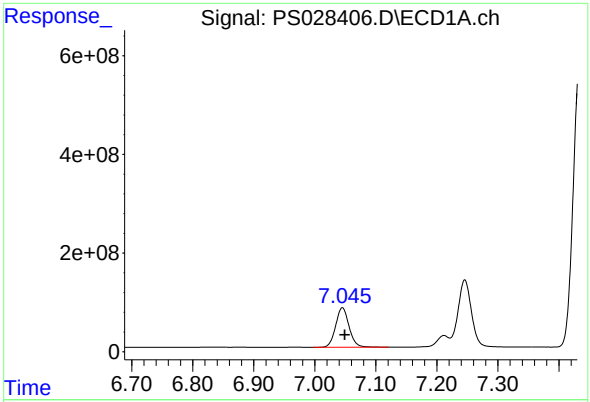
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.416 min
Delta R.T.: -0.004 min
Response: 2797402120
Conc: 699.11 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

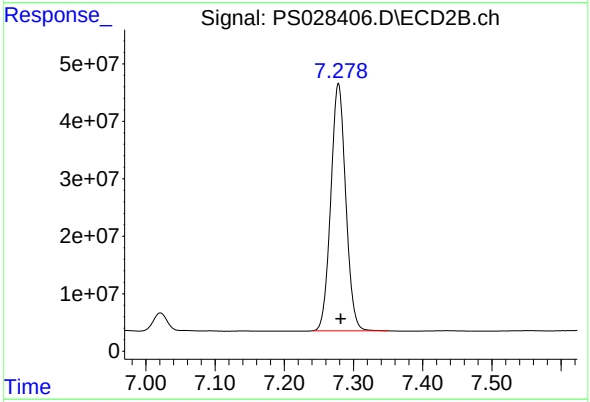
R.T.: 6.704 min
Delta R.T.: -0.003 min
Response: 1538711176
Conc: 649.51 ng/ml



#3 4-Nitrophenol

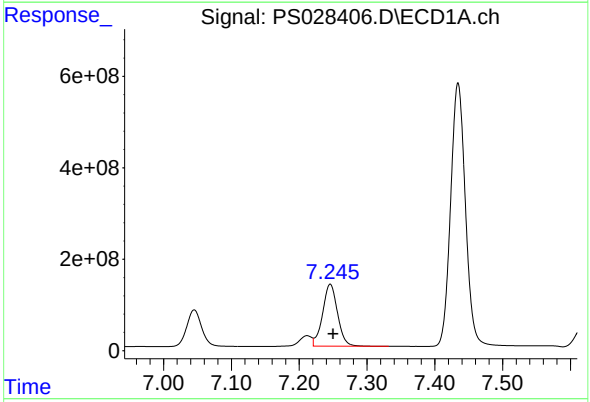
R.T.: 7.045 min
Delta R.T.: -0.004 min
Response: 1221934274
Conc: 659.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



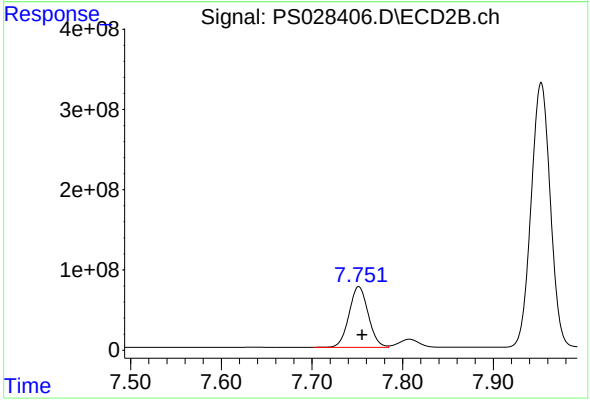
#3 4-Nitrophenol

R.T.: 7.278 min
Delta R.T.: -0.003 min
Response: 645508605
Conc: 609.54 ng/ml



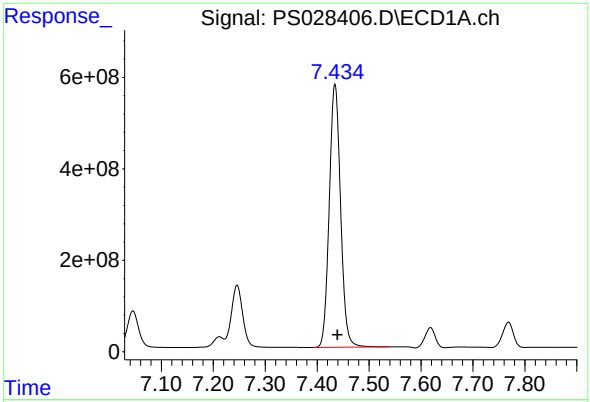
#4 2,4-DCAA

R.T.: 7.246 min
Delta R.T.: -0.004 min
Response: 2069467617
Conc: 749.60 ng/ml



#4 2,4-DCAA

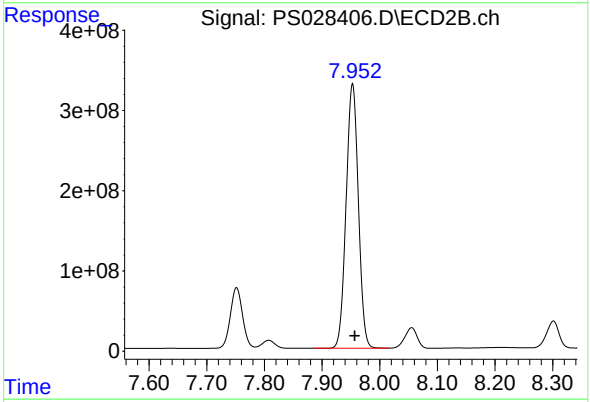
R.T.: 7.752 min
Delta R.T.: -0.004 min
Response: 1112013100
Conc: 697.88 ng/ml



#5 DICAMBA

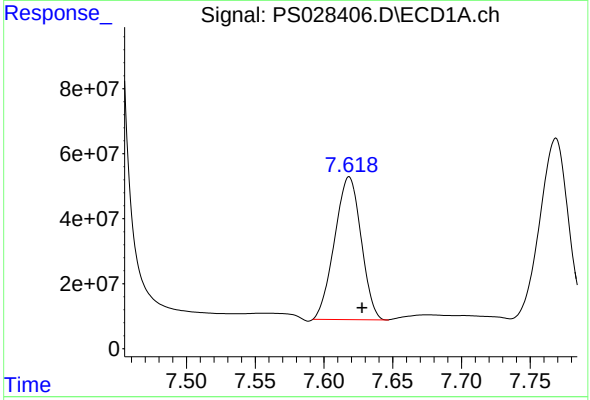
R.T.: 7.434 min
Delta R.T.: -0.004 min
Response: 8711506109
Conc: 723.50 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



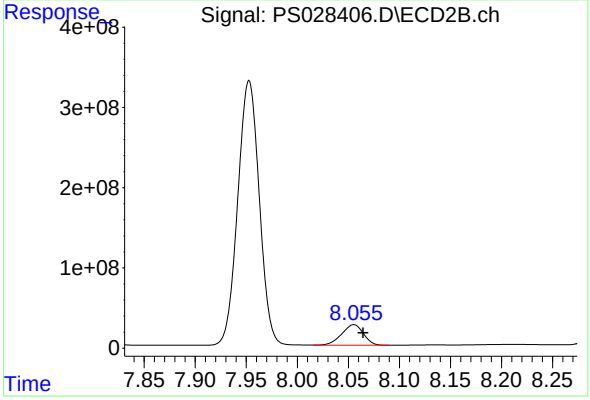
#5 DICAMBA

R.T.: 7.953 min
Delta R.T.: -0.004 min
Response: 4839153825
Conc: 674.96 ng/ml



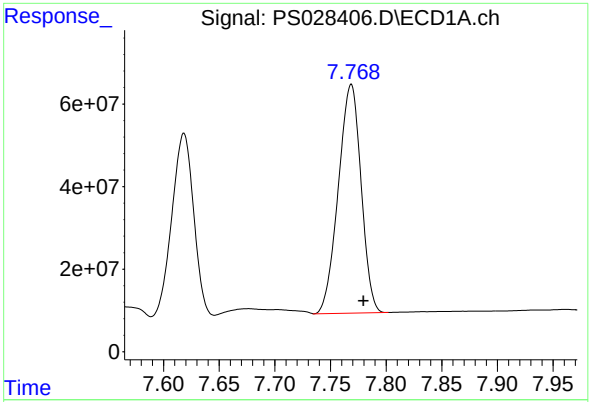
#6 MCPP

R.T.: 7.618 min
Delta R.T.: -0.009 min
Response: 589180507
Conc: 72.04 ug/ml



#6 MCPP

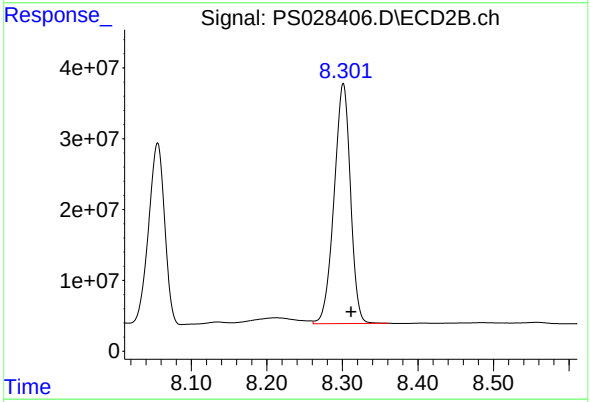
R.T.: 8.055 min
Delta R.T.: -0.009 min
Response: 379534569
Conc: 64.61 ug/ml



#7 MCPA

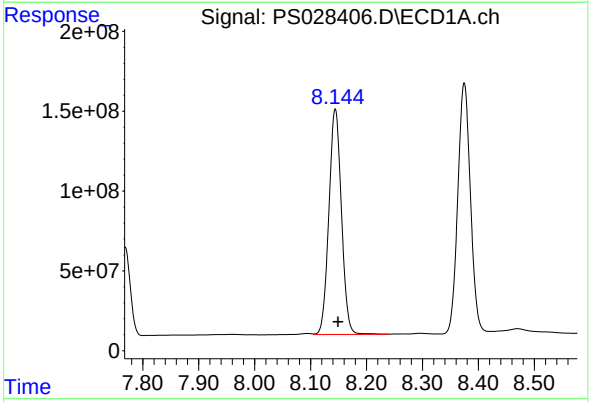
R.T.: 7.768 min
Delta R.T.: -0.011 min
Response: 788605310
Conc: 70.34 ug/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



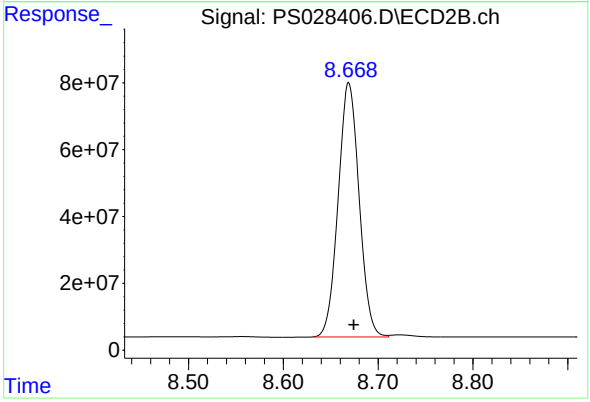
#7 MCPA

R.T.: 8.301 min
Delta R.T.: -0.011 min
Response: 509942729
Conc: 63.68 ug/ml



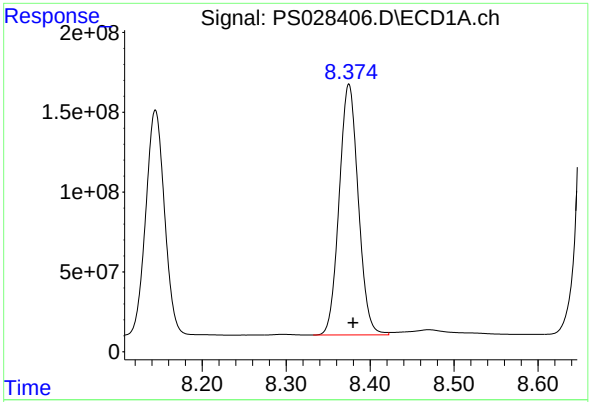
#8 DICHLORPROP

R.T.: 8.144 min
Delta R.T.: -0.005 min
Response: 2202141347
Conc: 710.45 ng/ml



#8 DICHLORPROP

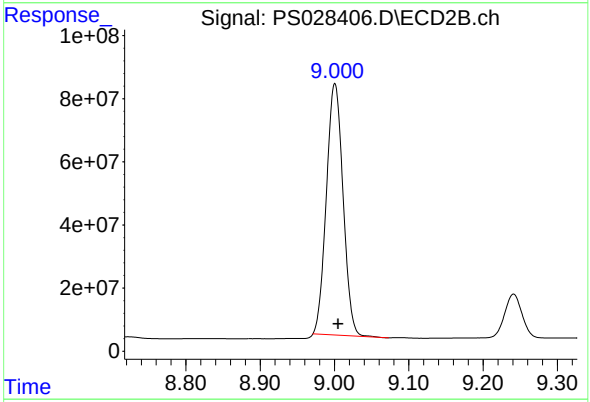
R.T.: 8.669 min
Delta R.T.: -0.005 min
Response: 1168651879
Conc: 656.08 ng/ml



#9 2,4-D

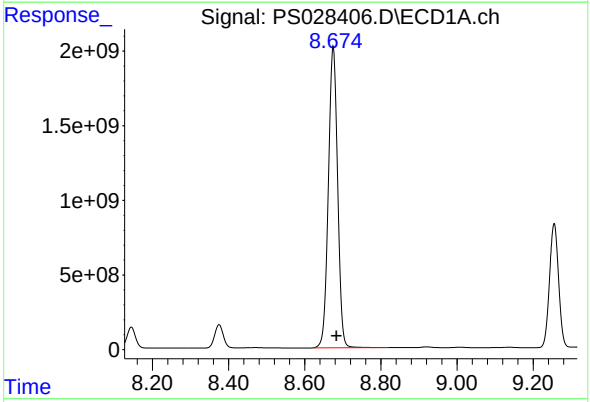
R.T.: 8.375 min
Delta R.T.: -0.005 min
Response: 2481530958
Conc: 706.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



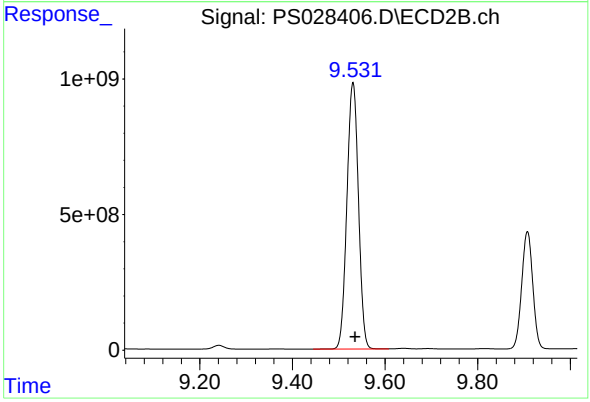
#9 2,4-D

R.T.: 9.001 min
Delta R.T.: -0.004 min
Response: 1242495459
Conc: 642.51 ng/ml



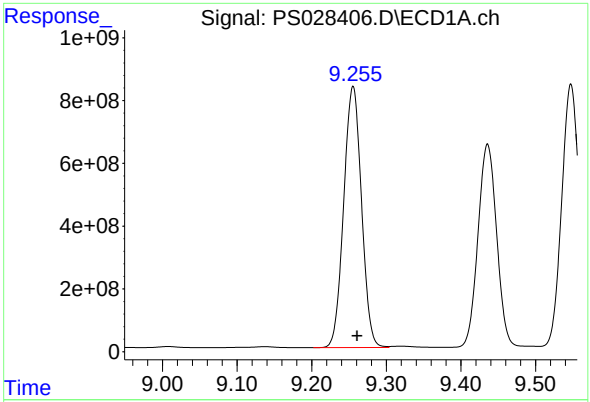
#10 Pentachlorophenol

R.T.: 8.675 min
Delta R.T.: -0.008 min
Response: 34206557891
Conc: 759.44 ng/ml



#10 Pentachlorophenol

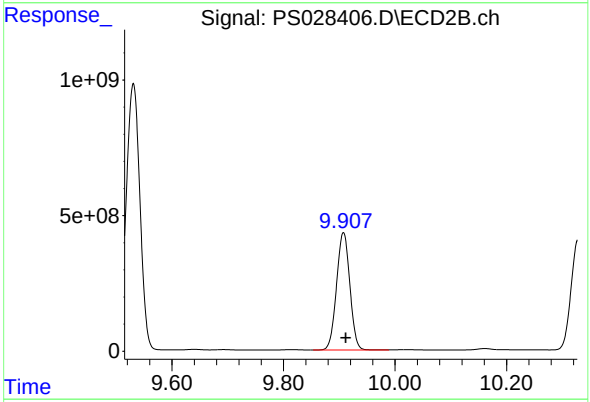
R.T.: 9.531 min
Delta R.T.: -0.005 min
Response: 16997647377
Conc: 682.18 ng/ml



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

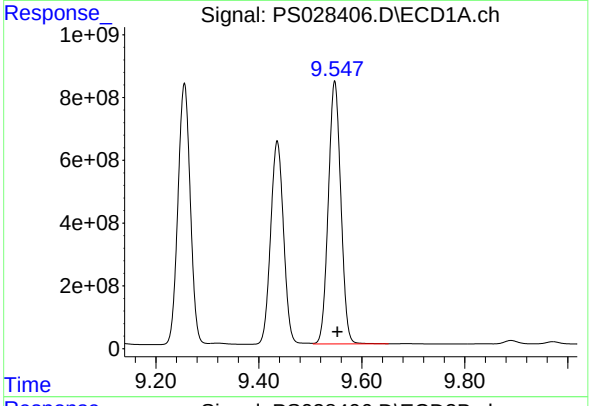
R.T.: 9.255 min
Delta R.T.: -0.006 min
Response: 13778060240
Conc: 727.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



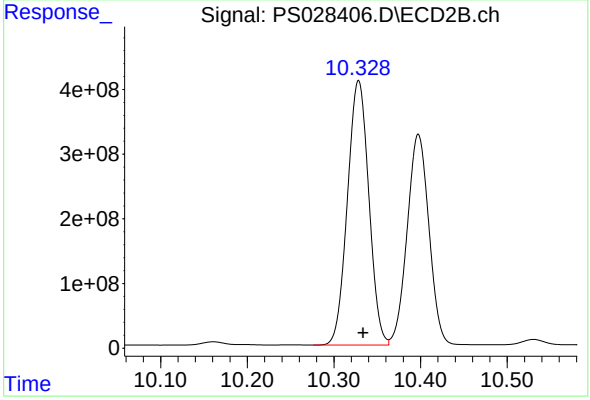
#11 2,4,5-TP (SILVEX)

R.T.: 9.908 min
Delta R.T.: -0.004 min
Response: 7166645161
Conc: 676.60 ng/ml



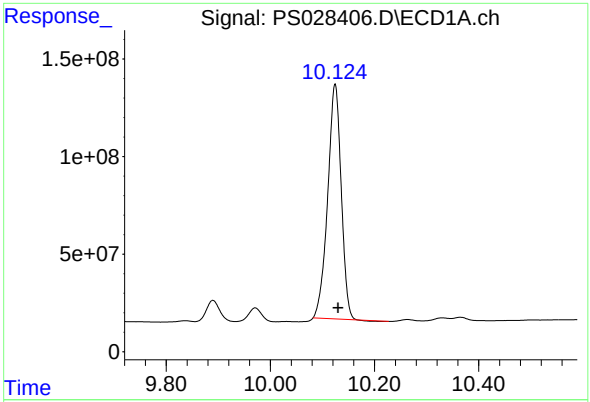
#12 2,4,5-T

R.T.: 9.547 min
Delta R.T.: -0.005 min
Response: 14092910021
Conc: 727.15 ng/ml



#12 2,4,5-T

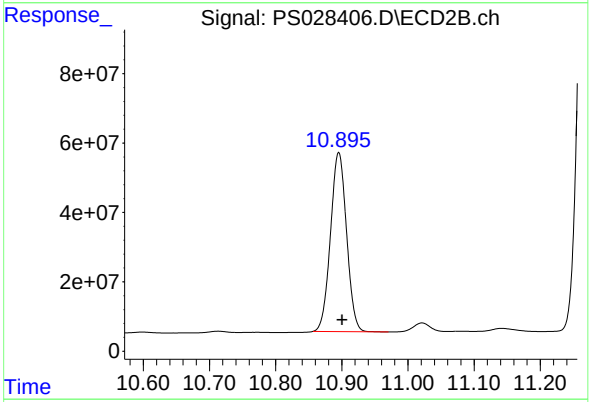
R.T.: 10.328 min
Delta R.T.: -0.005 min
Response: 7020540525
Conc: 676.61 ng/ml



#13 2,4-DB

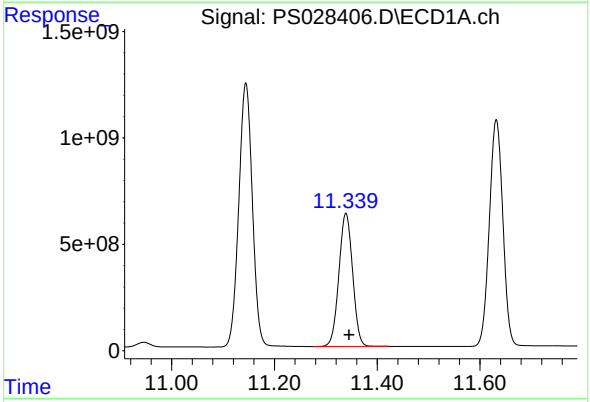
R.T.: 10.124 min
Delta R.T.: -0.006 min
Response: 2159433433
Conc: 698.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



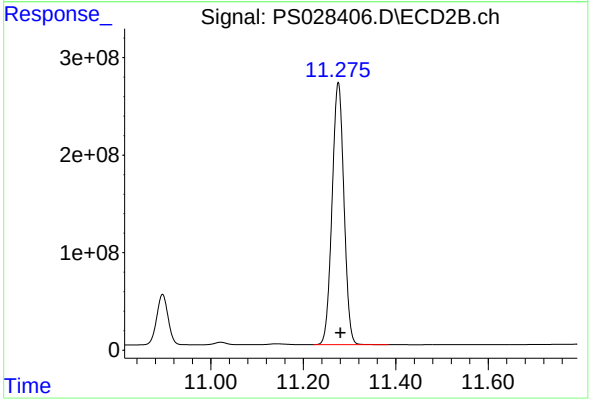
#13 2,4-DB

R.T.: 10.895 min
Delta R.T.: -0.005 min
Response: 871823133
Conc: 657.84 ng/ml



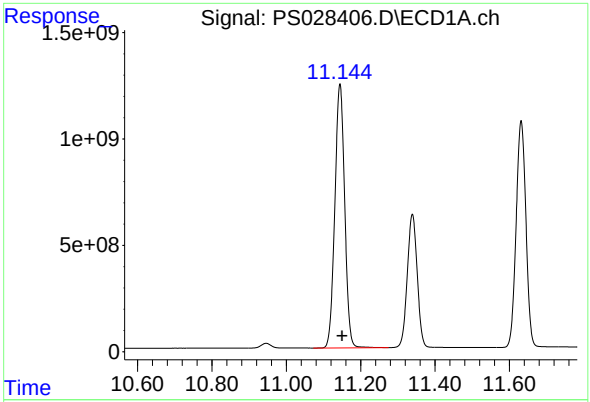
#14 DINOSEB

R.T.: 11.339 min
Delta R.T.: -0.006 min
Response: 11605214410
Conc: 715.78 ng/ml



#14 DINOSEB

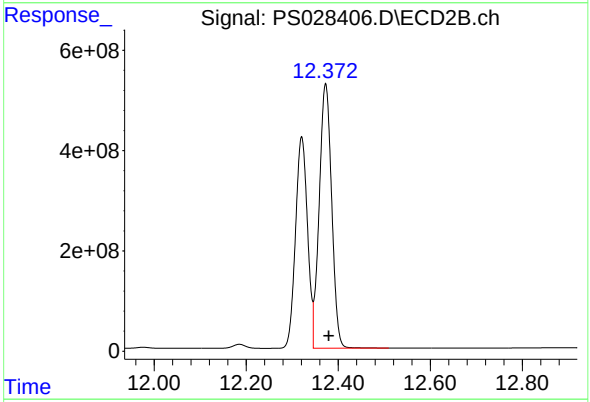
R.T.: 11.276 min
Delta R.T.: -0.005 min
Response: 4779698934
Conc: 665.94 ng/ml



#15 Picloram

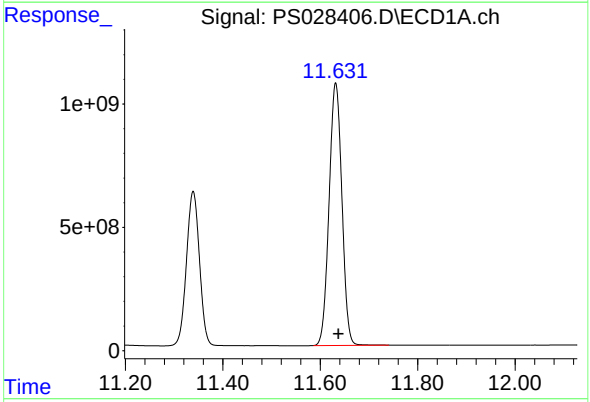
R.T.: 11.144 min
Delta R.T.: -0.006 min
Response: 22787496023
Conc: 725.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750



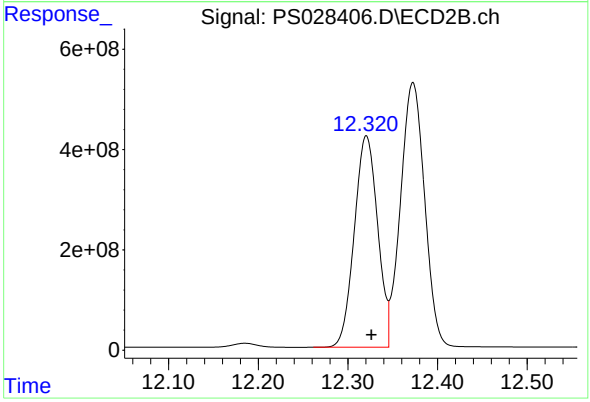
#15 Picloram

R.T.: 12.373 min
Delta R.T.: -0.007 min
Response: 9898546049
Conc: 687.76 ng/ml



#16 DCPA

R.T.: 11.632 min
Delta R.T.: -0.006 min
Response: 19401447379
Conc: 725.93 ng/ml



#16 DCPA

R.T.: 12.321 min
Delta R.T.: -0.006 min
Response: 7625243119
Conc: 680.21 ng/ml

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

Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4601

Project: R36704 **Instrument ID:** ECD_S

GC Column: RTX-CLP **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/06/2024 11/06/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.26	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.26	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.26	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.26	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.26	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.26	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.26	0.00
PB164559BL	PB164559BL	11/07/2024	03:28	PS028294.D	7.26	0.00
PB164559BS	PB164559BS	11/07/2024	03:52	PS028295.D	7.26	0.00
I.BLK	I.BLK	11/07/2024	04:16	PS028296.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.26	0.00
C0PI0	P4601-19	11/07/2024	05:28	PS028298.D	7.26	0.00
C0PI2	P4601-20	11/07/2024	05:52	PS028299.D	7.26	0.00
C0PI6	P4601-21	11/07/2024	06:16	PS028300.D	7.26	0.00
C0PI8	P4601-22	11/07/2024	06:40	PS028301.D	7.26	0.00
C0PI9	P4601-23	11/07/2024	07:04	PS028302.D	7.26	0.00
CC0P1	P4601-24	11/07/2024	07:28	PS028303.D	7.26	0.00
CC0P3	P4601-25	11/07/2024	07:52	PS028304.D	7.26	0.00
CC0P5	P4601-26	11/07/2024	08:16	PS028305.D	7.26	0.00
CC0P7	P4601-27	11/07/2024	08:40	PS028306.D	7.26	0.00
CC0P9	P4601-28	11/07/2024	09:04	PS028307.D	7.26	0.00
I.BLK	I.BLK	11/07/2024	09:28	PS028308.D	7.26	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.26	0.00
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.25	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.25	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.25	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.25	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.25	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.25	0.00
I.BLK	I.BLK	11/11/2024	10:24	PS028393.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	10:48	PS028394.D	7.25	0.00
CC0Q1	P4601-29	11/11/2024	12:05	PS028395.D	7.25	0.00
CC0Q6	P4601-30	11/11/2024	12:29	PS028396.D	7.25	0.00
CC0Q8	P4601-31	11/11/2024	12:56	PS028397.D	7.25	0.00
CC0R3	P4601-32	11/11/2024	13:20	PS028398.D	7.25	0.00
CC0R4	P4601-33	11/11/2024	13:44	PS028399.D	7.25	0.00
CC0R5	P4601-34	11/11/2024	14:08	PS028400.D	7.25	0.00
CC0R6	P4601-35	11/11/2024	14:32	PS028401.D	7.25	0.00
CC0R7	P4601-36	11/11/2024	14:57	PS028402.D	7.25	0.00
CC0R7MS	P4601-37MS	11/11/2024	15:21	PS028403.D	7.25	0.00
CC0R7MSD	P4601-38MSD	11/11/2024	15:45	PS028404.D	7.25	0.00

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Analytical Sequence

I.BLK	I.BLK	11/11/2024	16:09	PS028405.D	7.25	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.25	0.00

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Analytical Sequence

Client: Tetra Tech, EMI **SDG No.:** P4601

Project: R36704 **Instrument ID:** ECD_S

GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 11/06/2024 11/06/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
I.BLK	I.BLK	11/06/2024	09:24	PS028252.D	7.76	0.00
HSTDICC200	HSTDICC200	11/06/2024	09:48	PS028253.D	7.77	0.00
HSTDICC500	HSTDICC500	11/06/2024	10:12	PS028254.D	7.77	0.00
HSTDICC750	HSTDICC750	11/06/2024	10:36	PS028255.D	7.77	0.00
HSTDICC1000	HSTDICC1000	11/06/2024	11:00	PS028256.D	7.77	0.00
HSTDICC1500	HSTDICC1500	11/06/2024	11:24	PS028257.D	7.77	0.00
I.BLK	I.BLK	11/06/2024	22:39	PS028283.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/06/2024	23:03	PS028284.D	7.76	0.00
PB164559BL	PB164559BL	11/07/2024	03:28	PS028294.D	7.76	0.00
PB164559BS	PB164559BS	11/07/2024	03:52	PS028295.D	7.76	0.00
I.BLK	I.BLK	11/07/2024	04:16	PS028296.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	04:40	PS028297.D	7.76	0.00
C0PI0	P4601-19	11/07/2024	05:28	PS028298.D	7.76	0.00
C0PI2	P4601-20	11/07/2024	05:52	PS028299.D	7.76	0.00
C0PI6	P4601-21	11/07/2024	06:16	PS028300.D	7.76	0.00
C0PI8	P4601-22	11/07/2024	06:40	PS028301.D	7.76	0.00
C0PI9	P4601-23	11/07/2024	07:04	PS028302.D	7.76	0.00
CC0P1	P4601-24	11/07/2024	07:28	PS028303.D	7.76	0.00
CC0P3	P4601-25	11/07/2024	07:52	PS028304.D	7.76	0.00
CC0P5	P4601-26	11/07/2024	08:16	PS028305.D	7.76	0.00
CC0P7	P4601-27	11/07/2024	08:40	PS028306.D	7.76	0.00
CC0P9	P4601-28	11/07/2024	09:04	PS028307.D	7.76	0.00
I.BLK	I.BLK	11/07/2024	09:28	PS028308.D	7.76	0.00
HSTDCCC750	HSTDCCC750	11/07/2024	09:52	PS028309.D	7.76	0.00
I.BLK	I.BLK	11/08/2024	14:25	PS028355.D	7.76	0.00
HSTDICC200	HSTDICC200	11/08/2024	15:13	PS028356.D	7.76	0.00
HSTDICC500	HSTDICC500	11/08/2024	15:46	PS028357.D	7.75	0.00
HSTDICC750	HSTDICC750	11/08/2024	16:10	PS028358.D	7.76	0.00
HSTDICC1000	HSTDICC1000	11/08/2024	16:34	PS028359.D	7.76	0.00
HSTDICC1500	HSTDICC1500	11/08/2024	16:58	PS028360.D	7.76	0.00
I.BLK	I.BLK	11/11/2024	10:24	PS028393.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	10:48	PS028394.D	7.75	0.00
CC0Q1	P4601-29	11/11/2024	12:05	PS028395.D	7.75	0.00
CC0Q6	P4601-30	11/11/2024	12:29	PS028396.D	7.75	0.00
CC0Q8	P4601-31	11/11/2024	12:56	PS028397.D	7.75	0.00
CC0R3	P4601-32	11/11/2024	13:20	PS028398.D	7.75	0.00
CC0R4	P4601-33	11/11/2024	13:44	PS028399.D	7.75	0.00
CC0R5	P4601-34	11/11/2024	14:08	PS028400.D	7.75	0.00
CC0R6	P4601-35	11/11/2024	14:32	PS028401.D	7.75	0.00
CC0R7	P4601-36	11/11/2024	14:57	PS028402.D	7.75	0.00
CC0R7MS	P4601-37MS	11/11/2024	15:21	PS028403.D	7.76	0.00
CC0R7MSD	P4601-38MSD	11/11/2024	15:45	PS028404.D	7.75	0.00

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Analytical Sequence

I.BLK	I.BLK	11/11/2024	16:09	PS028405.D	7.75	0.00
HSTDCCC750	HSTDCCC750	11/11/2024	16:33	PS028406.D	7.75	0.00

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MS

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Lab Sample ID: P4601-37MS **Date(s) Analyzed:** 11/11/2024 11/11/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.15	8.10	8.20	175	9
	2	8.67	8.62	8.72	160	
2,4-D	1	8.38	8.33	8.43	235	24.6
	2	9.00	8.95	9.05	301	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	159	61.4
	2	9.91	9.86	9.96	300	
2,4,5-T	1	9.55	9.50	9.60	182	4.5
	2	10.33	10.28	10.38	174	
2,4-DB	1	10.13	10.08	10.18	176	2.2
	2	10.90	10.85	10.95	180	
DICAMBA	1	7.44	7.39	7.49	165	6.3
	2	7.95	7.90	8.00	155	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

CC0R7MSD

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Lab Sample ID: P4601-38MSD **Date(s) Analyzed:** 11/11/2024 11/11/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.15	8.10	8.20	173	8.4
	2	8.67	8.62	8.72	159	
2,4-D	1	8.38	8.33	8.43	235	28.5
	2	9.00	8.95	9.05	313	
2,4,5-TP(Silvex)	1	9.26	9.21	9.31	158	61.4
	2	9.91	9.86	9.96	298	
2,4,5-T	1	9.55	9.50	9.60	180	4
	2	10.33	10.28	10.38	173	
2,4-DB	1	10.13	10.08	10.18	175	1.1
	2	10.90	10.85	10.95	177	
DICAMBA	1	7.44	7.39	7.49	164	7.6
	2	7.95	7.90	8.00	152	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164559BS

Contract: TETR16

Lab Code: CHEM **Case No.:** P4601 **SAS No.:** P4601 **SDG NO.:** P4601

Lab Sample ID: PB164559BS **Date(s) Analyzed:** 11/07/2024 11/07/2024

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
DICHLORPROP	1	8.16	8.11	8.21	173	7.8
	2	8.68	8.63	8.73	160	
2,4-D	1	8.39	8.34	8.44	174	9.6
	2	9.01	8.96	9.06	158	
2,4,5-TP(Silvex)	1	9.27	9.22	9.32	178	9.4
	2	9.92	9.87	9.97	162	
2,4,5-T	1	9.56	9.51	9.61	177	10.7
	2	10.34	10.29	10.39	159	
2,4-DB	1	10.14	10.09	10.19	173	12.3
	2	10.91	10.86	10.96	153	
Dinoseb	1	11.36	11.31	11.41	172	13
	2	11.29	11.24	11.34	151	
DICAMBA	1	7.45	7.40	7.50	170	4.8
	2	7.96	7.91	8.01	162	

QC SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164559BL		SDG No.:	P4601	
Lab Sample ID:	PB164559BL		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01 Units:	g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028294.D	1	10/31/24 10:00	11/07/24 03:28	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	67.0	U	8.70	67.0	ug/Kg
120-36-5	DICHLORPROP	67.0	U	9.50	67.0	ug/Kg
94-75-7	2,4-D	67.0	U	12.1	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	67.0	U	9.40	67.0	ug/Kg
93-76-5	2,4,5-T	67.0	U	10.1	67.0	ug/Kg
94-82-6	2,4-DB	67.0	U	18.3	67.0	ug/Kg
88-85-7	DINOSEB	67.0	U	12.4	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	560		10 - 141	112%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:28
Operator : AR\AJ
Sample : PB164559BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164559BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:56:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.258	7.762	1433.8E6	898.8E6	559.752m	516.028m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028294.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:28
Operator : AR\AJ
Sample : PB164559BL
Misc :
ALS Vial : 31 Sample Multiplier: 1

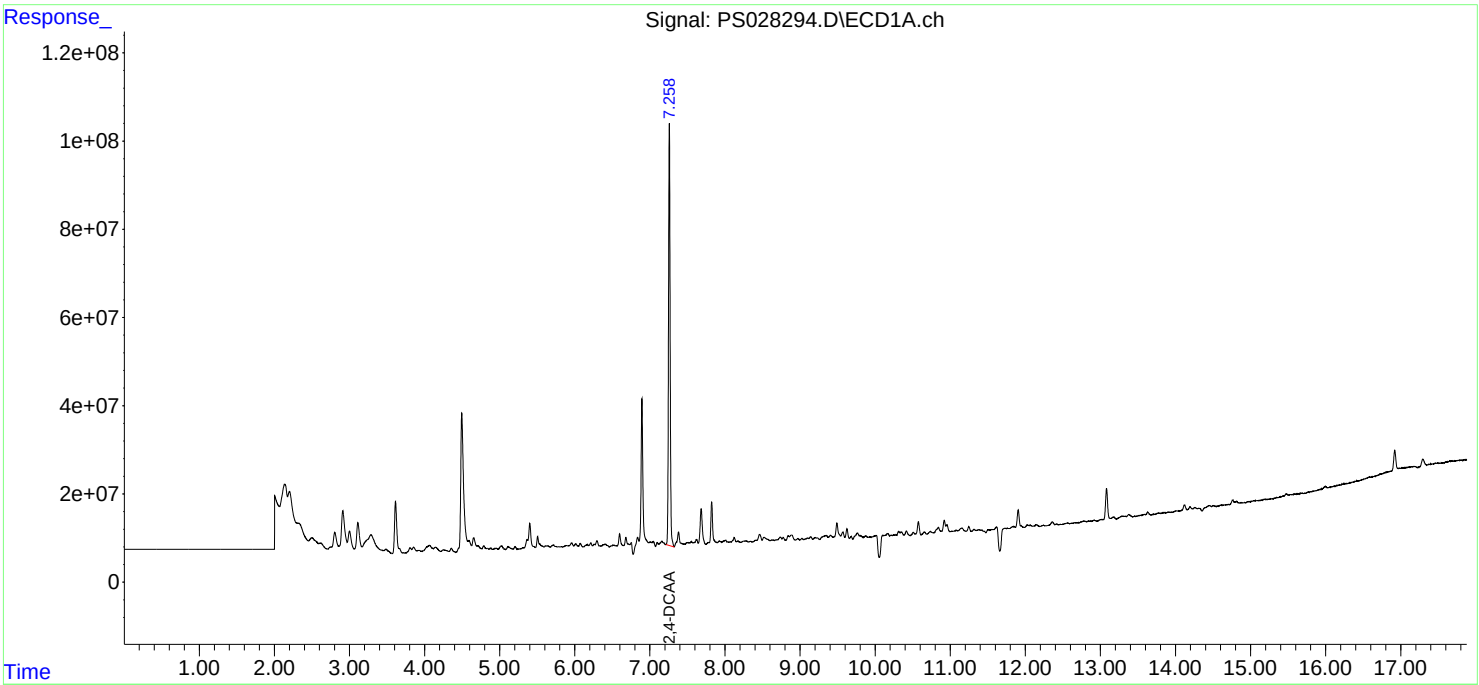
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:56:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
Response via : Initial Calibration
Integrator: ChemStation

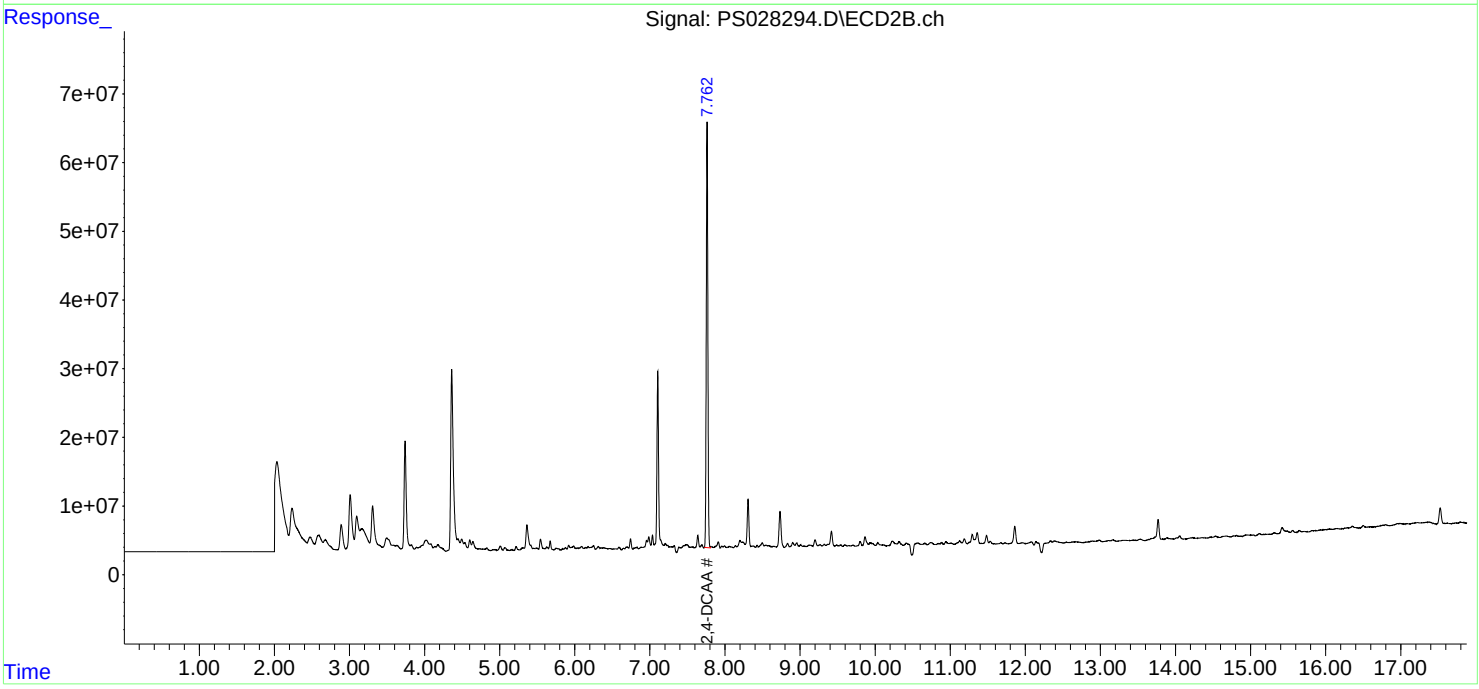
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

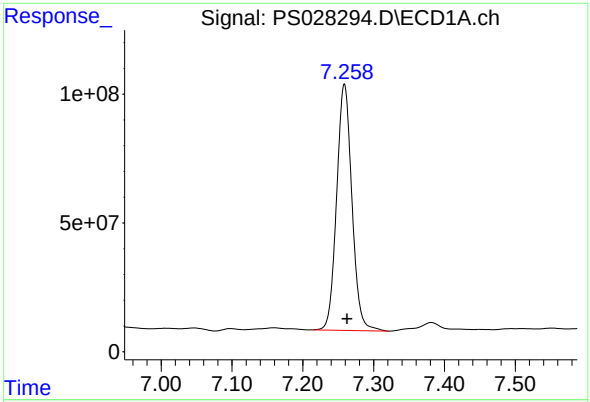
Instrument :
ECD_S
ClientSampleId :
PB164559BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024







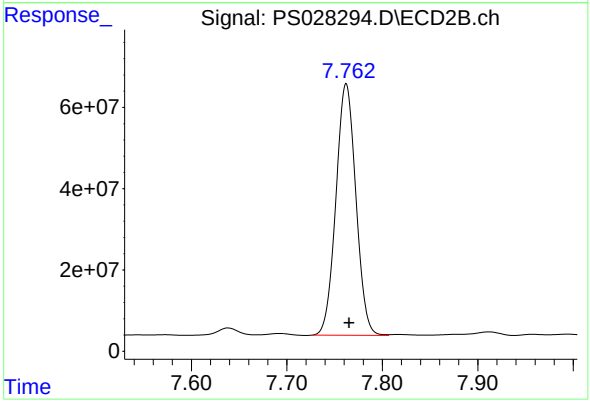
#4 2,4-DCAA

R.T.: 7.258 min
Delta R.T.: -0.004 min
Response: 1433755402
Conc: 559.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 898807433
Conc: 516.03 ng/ml m

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/06/24
Project:	R36704	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028252.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028252.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028252.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	491		39 - 175	98%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:24
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: Nov 06 11:48:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.262	7.764	1253.5E6	855.9E6	489.362	491.394
	Target Compounds						

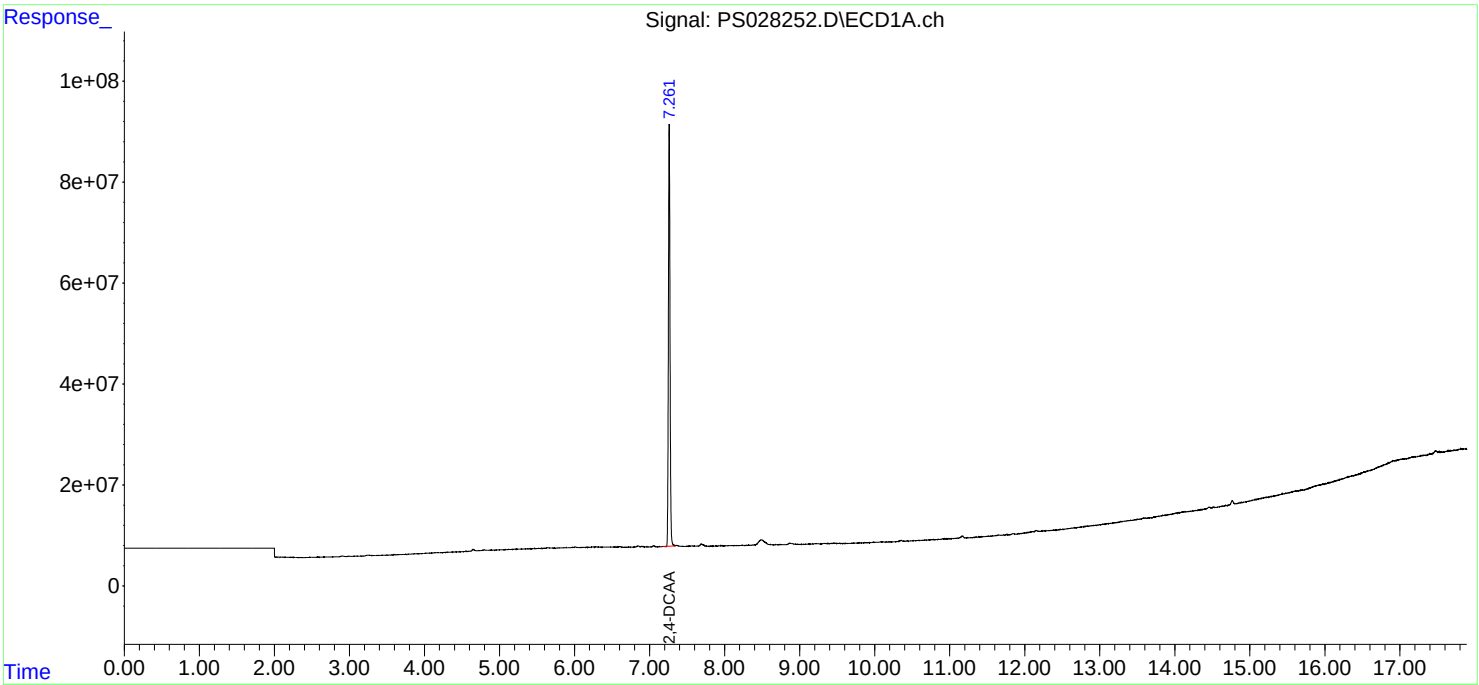
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

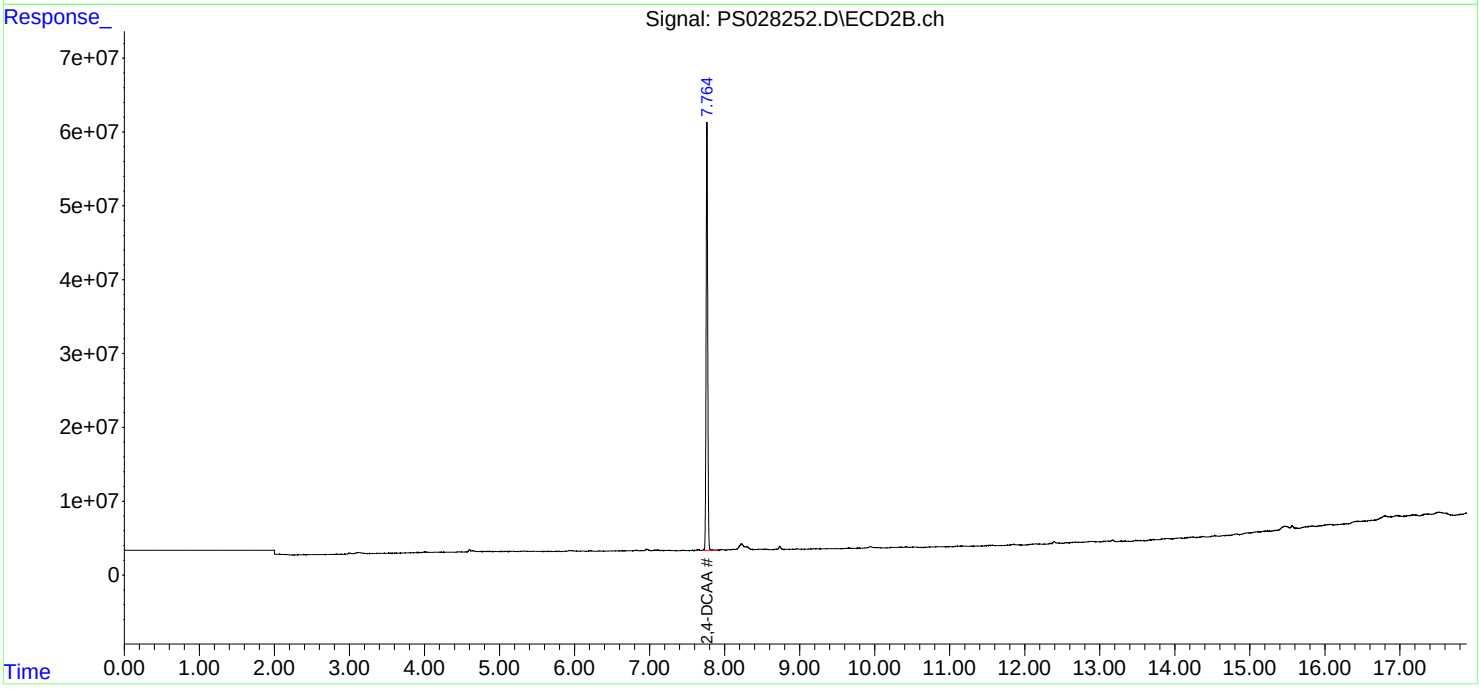
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028252.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 09:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

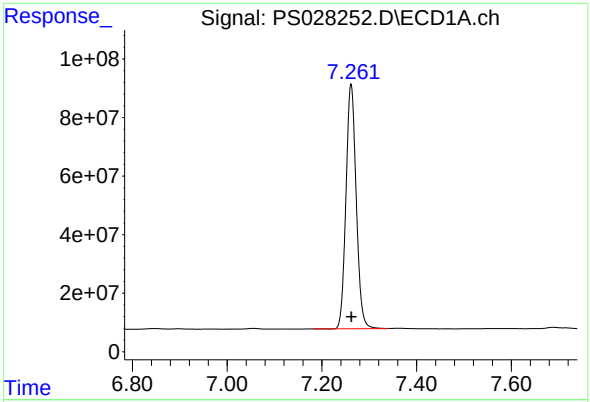
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 11:48:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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 0.25µm



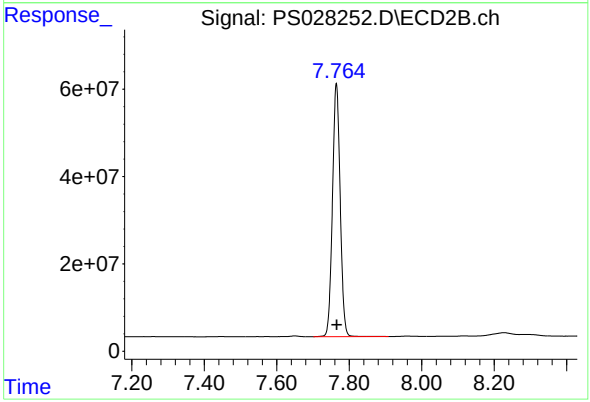




#4 2,4-DCAA

R.T.: 7.262 min
Delta R.T.: 0.000 min
Response: 1253458597
Conc: 489.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: 0.000 min
Response: 855899732
Conc: 491.39 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/06/24
Project:	R36704	Date Received:	11/06/24
Client Sample ID:	PIBLK-PS028283.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028283.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028283.D	1		11/06/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	529		39 - 175	106%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 22:39
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 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:54:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.260	7.763	1355.0E6	899.1E6	529.013m	516.170
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028283.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Nov 2024 22:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

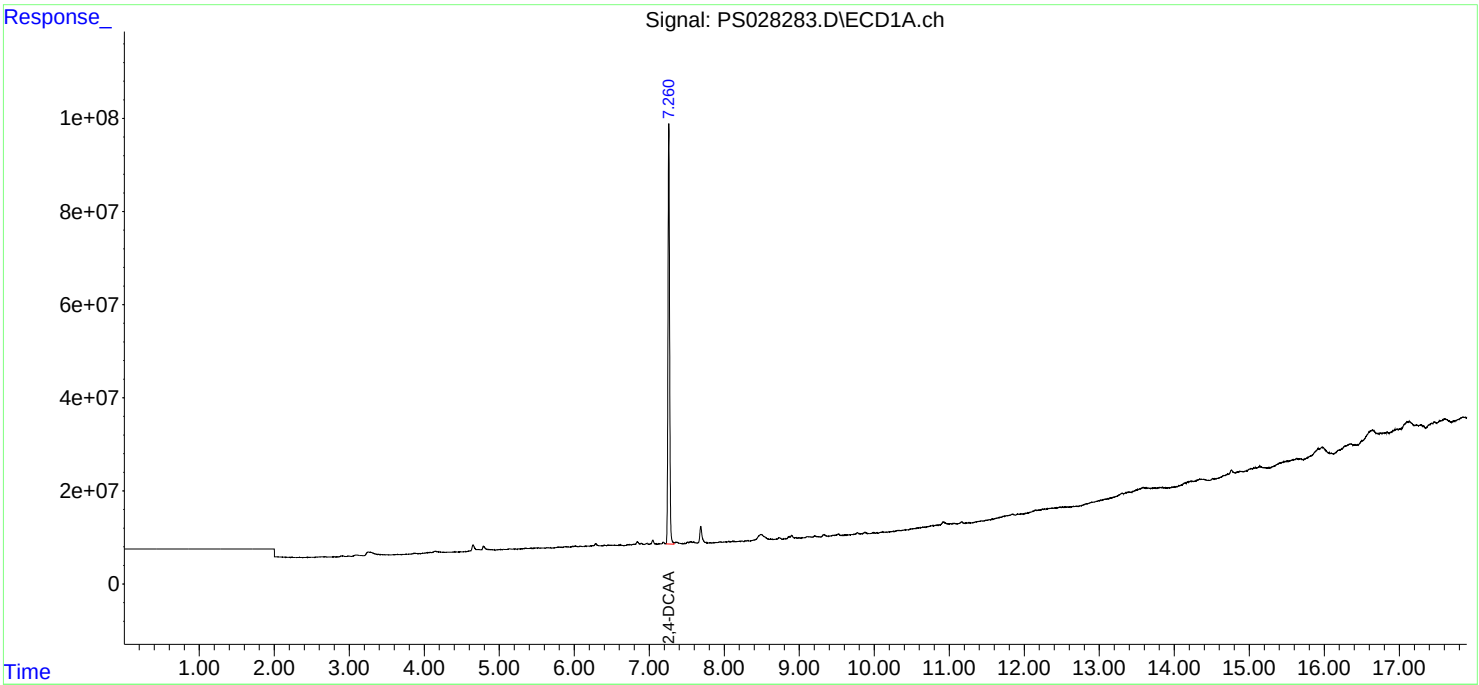
Instrument :
ECD_S
ClientSampleId :
I.BLK

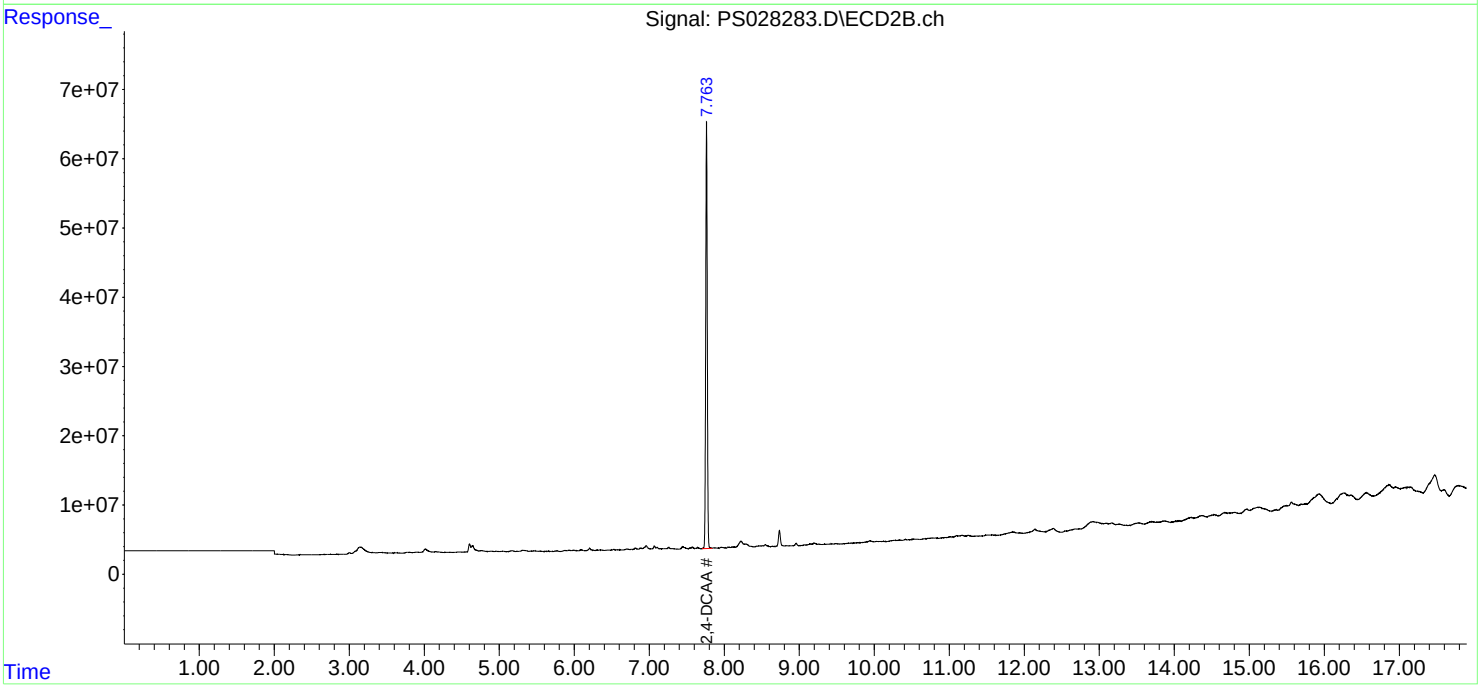
Manual Integrations APPROVED

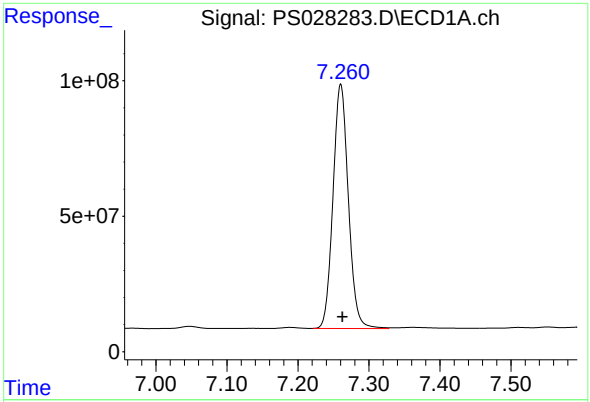
Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 00:54:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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







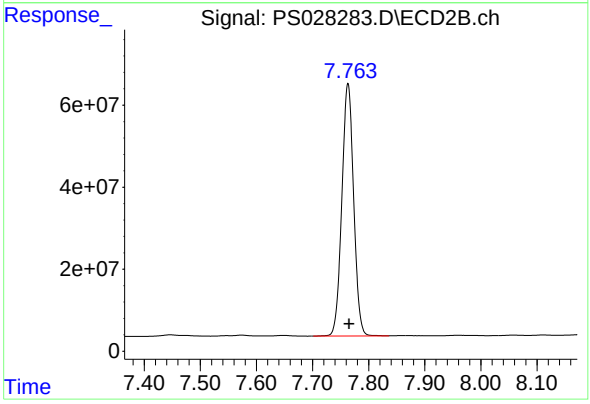
#4 2,4-DCAA

R.T.: 7.260 min
Delta R.T.: -0.003 min
Response: 1355020064
Conc: 529.01 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.002 min
Response: 899054821
Conc: 516.17 ng/ml

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/07/24
Project:	R36704	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028296.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028296.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028296.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	530		39 - 175	106%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:16
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: Nov 07 09:06:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.258	7.762	1356.6E6	885.4E6	529.635	508.347
	Target Compounds						

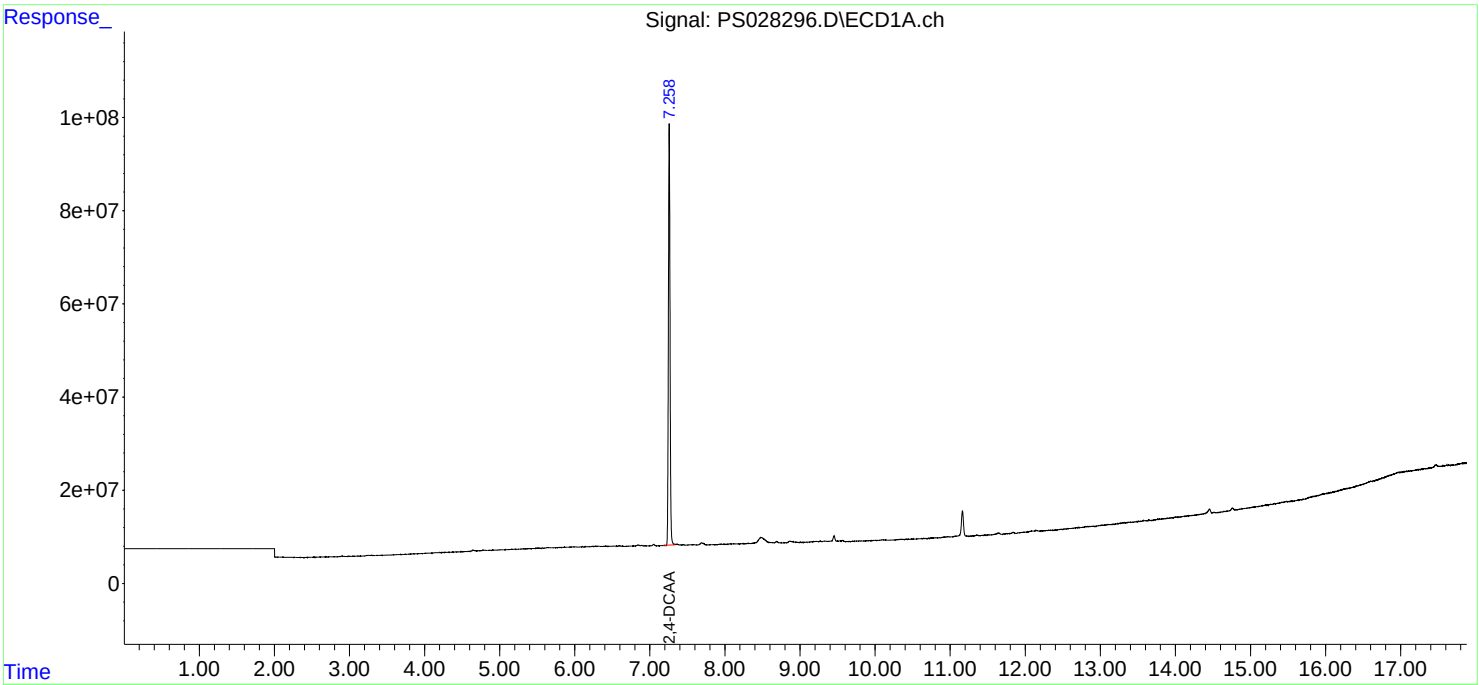
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

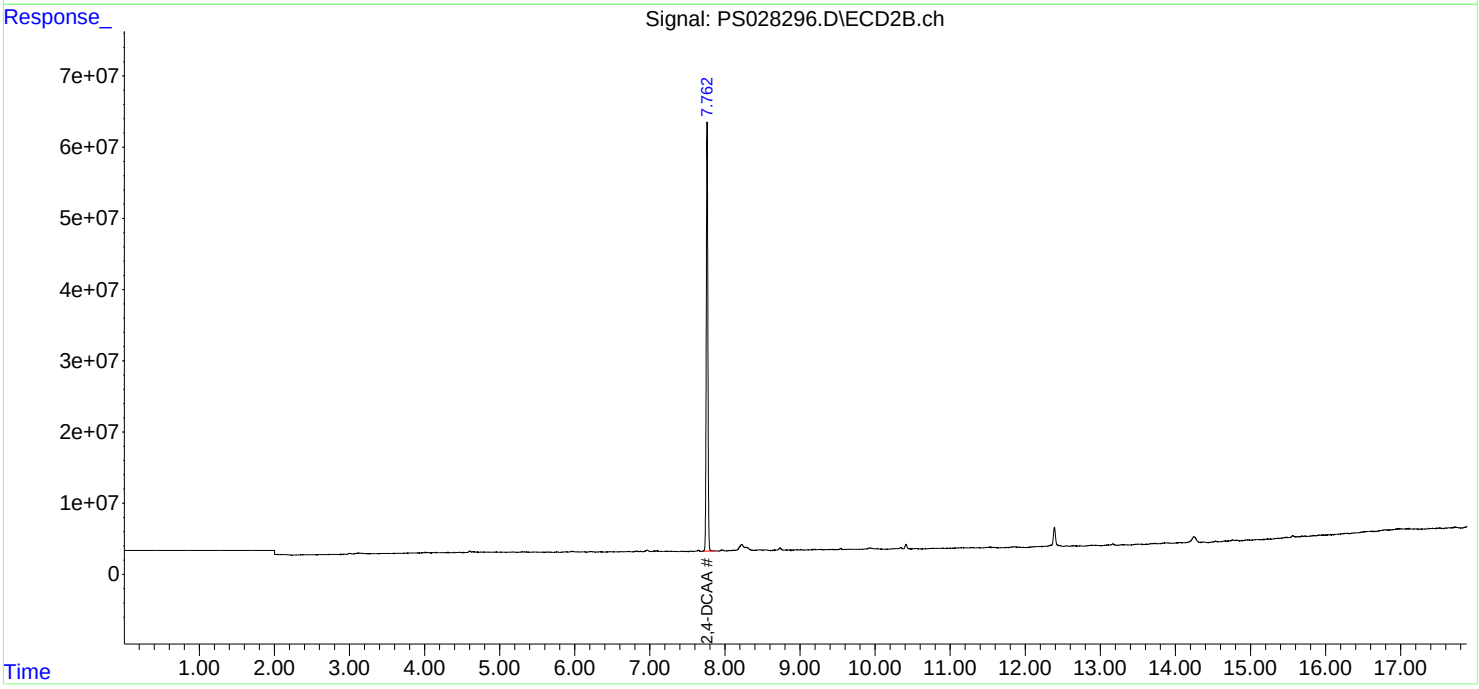
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028296.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 04:16
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

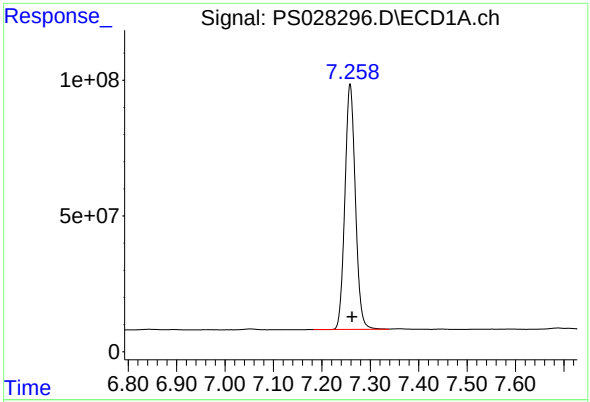
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 09:06:47 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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



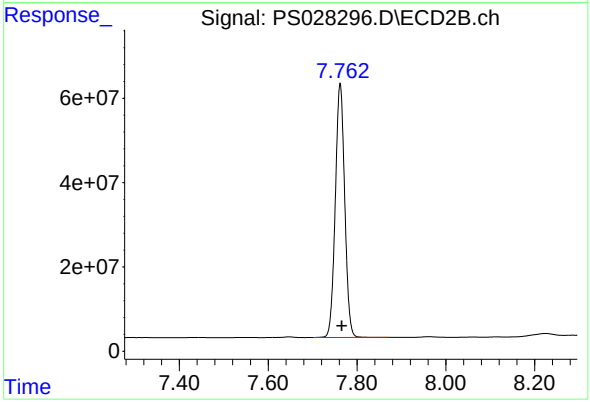




#4 2,4-DCAA

R.T.: 7.258 min
Delta R.T.: -0.004 min
Response: 1356615264
Conc: 529.64 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 885429243
Conc: 508.35 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/07/24
Project:	R36704	Date Received:	11/07/24
Client Sample ID:	PIBLK-PS028308.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028308.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028308.D	1		11/07/24	PS110624

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	526		39 - 175	105%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:28
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: Nov 07 10:27:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.257	7.760	1346.1E6	851.9E6	525.516	489.123
	Target Compounds						

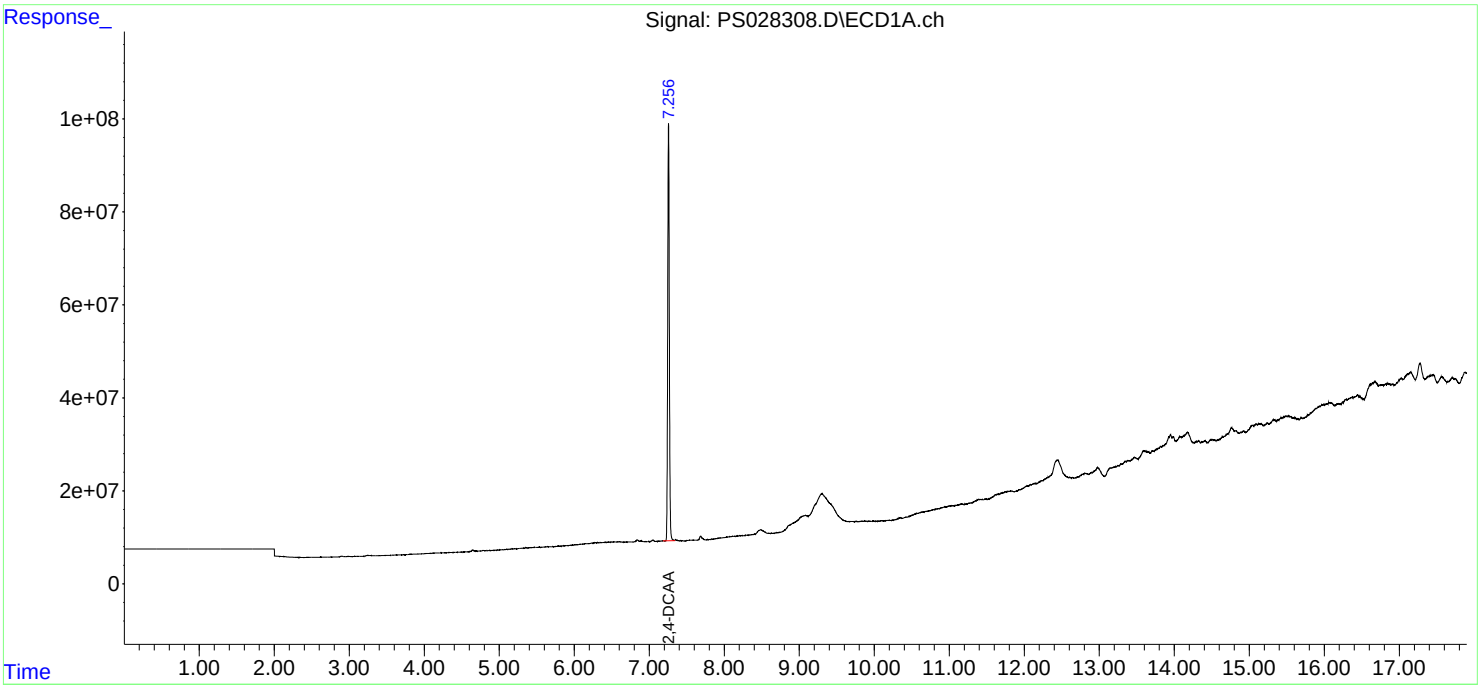
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

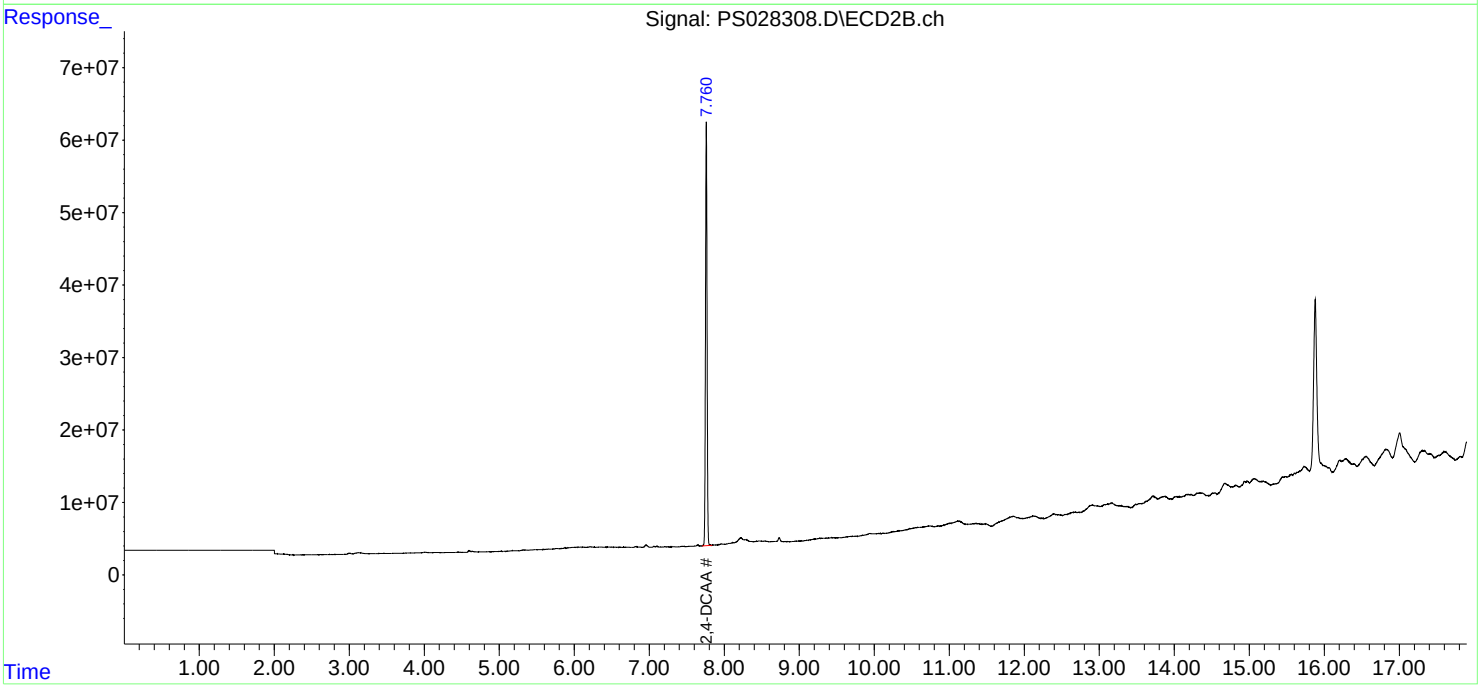
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028308.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 09:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

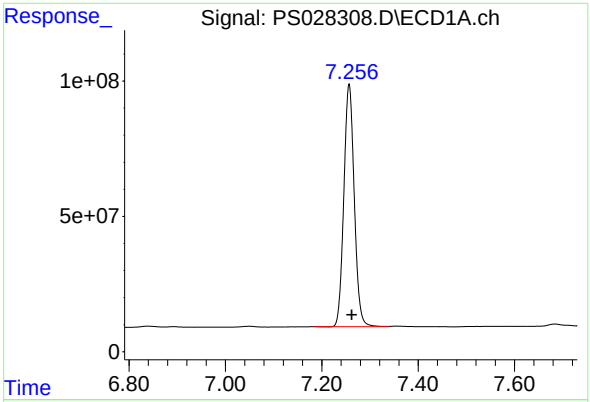
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 10:27:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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 0.25µm



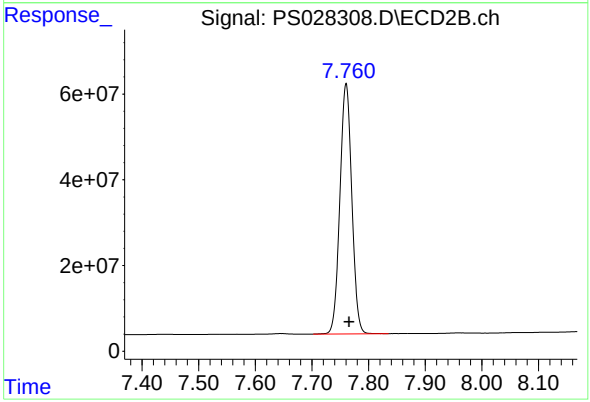




#4 2,4-DCAA

R.T.: 7.257 min
Delta R.T.: -0.006 min
Response: 1346064203
Conc: 525.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.760 min
Delta R.T.: -0.005 min
Response: 851944014
Conc: 489.12 ng/ml

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Fax : 908 789 8922

Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/08/24
Project:	R36704	Date Received:	11/08/24
Client Sample ID:	PIBLK-PS028355.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028355.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028355.D	1		11/08/24	PS110924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	503		39 - 175	101%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 14:25
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: Nov 08 17:51:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.250	7.756	1382.7E6	801.6E6	500.845	503.062
	Target Compounds						

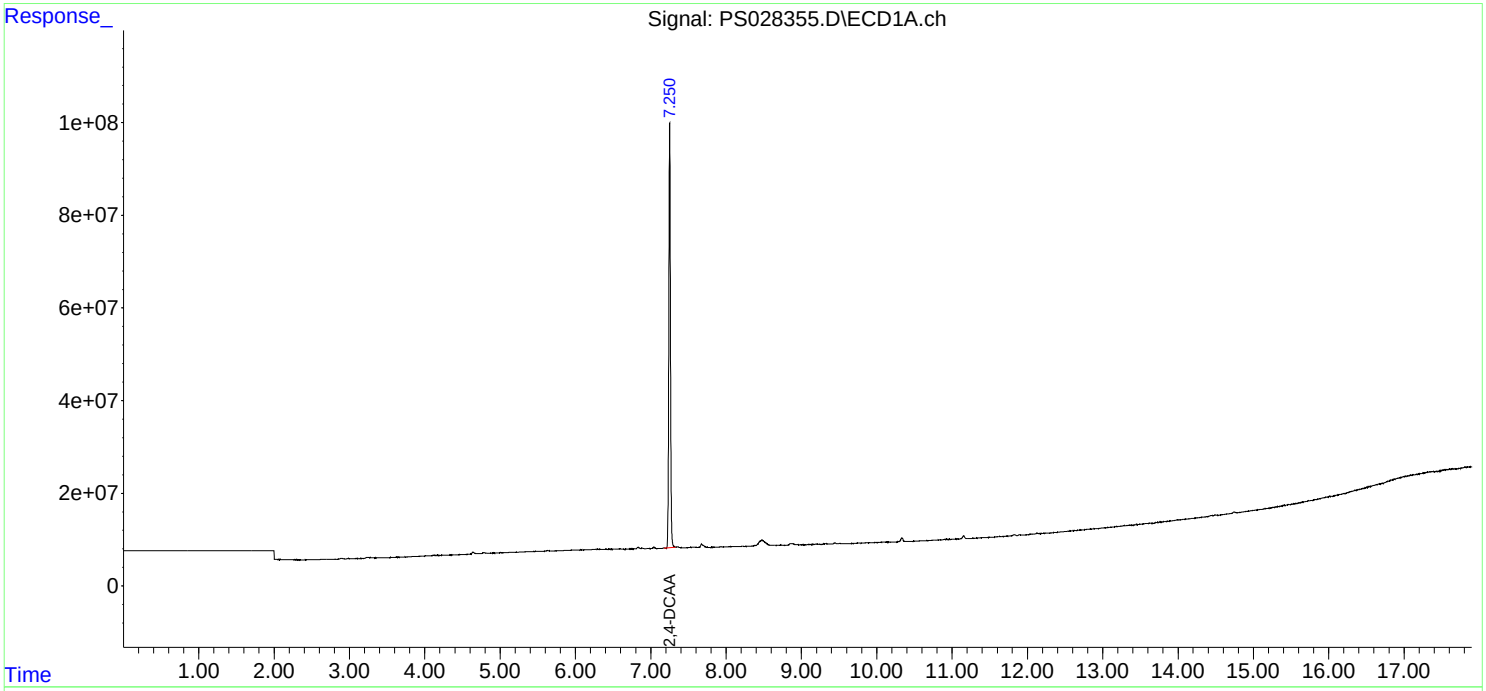
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

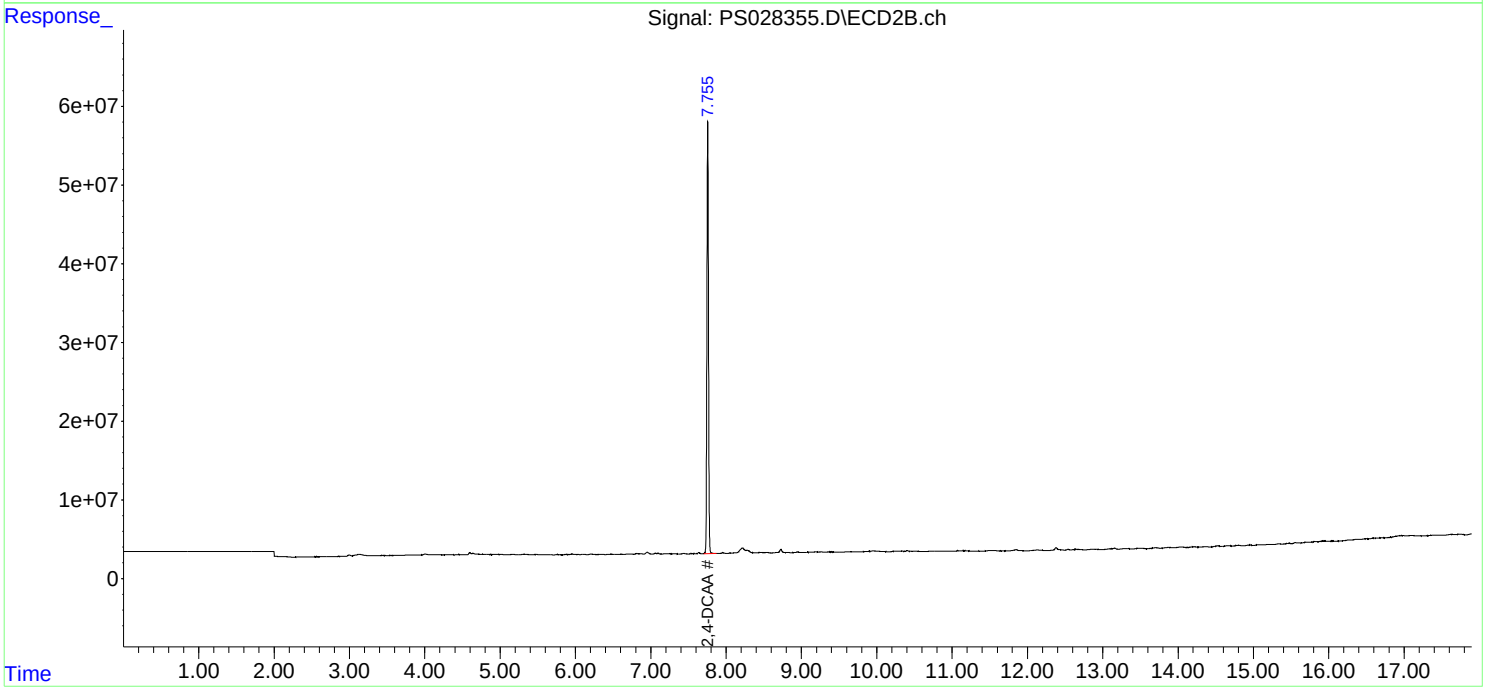
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110924\
Data File : PS028355.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Nov 2024 14:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

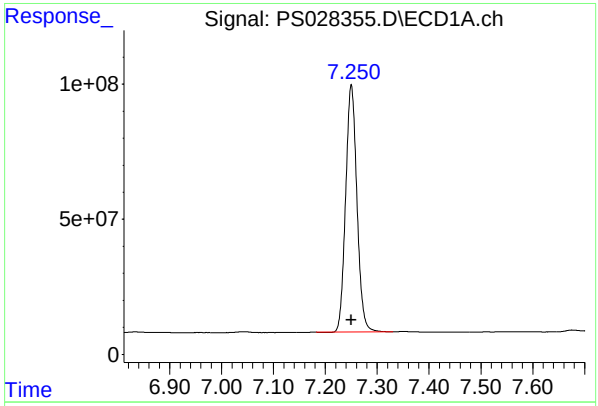
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 08 17:51:55 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



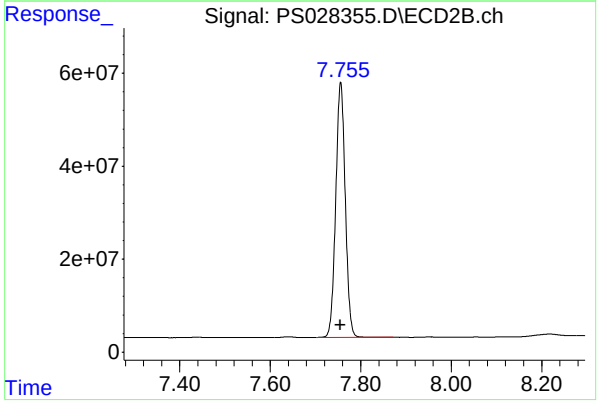




#4 2,4-DCAA

R.T.: 7.250 min
Delta R.T.: 0.000 min
Response: 1382710493
Conc: 500.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.756 min
Delta R.T.: 0.000 min
Response: 801589716
Conc: 503.06 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/11/24
Project:	R36704	Date Received:	11/11/24
Client Sample ID:	PIBLK-PS028393.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028393.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028393.D	1		11/11/24	ps111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	511		39 - 175	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 10:24
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: Nov 11 23:08:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.247	7.752	1410.8E6	752.2E6	511.038	472.080
	Target Compounds						

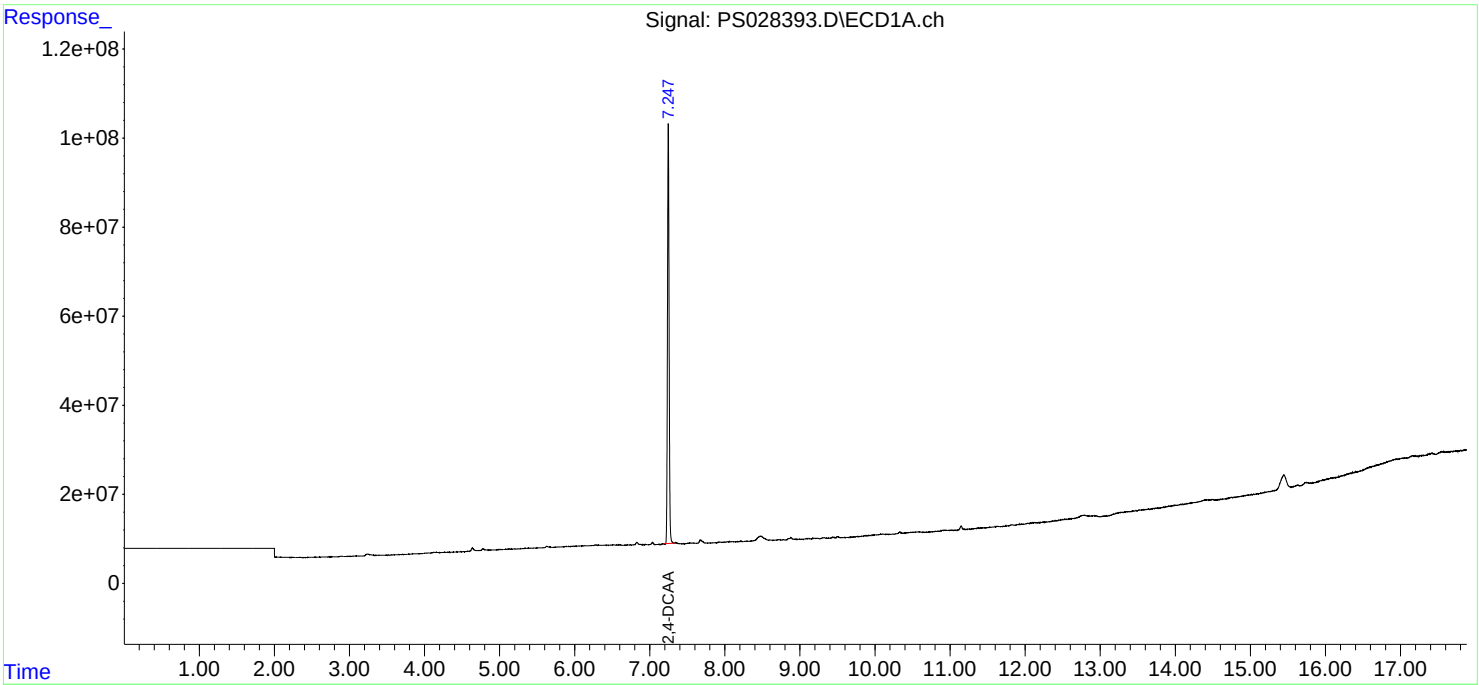
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

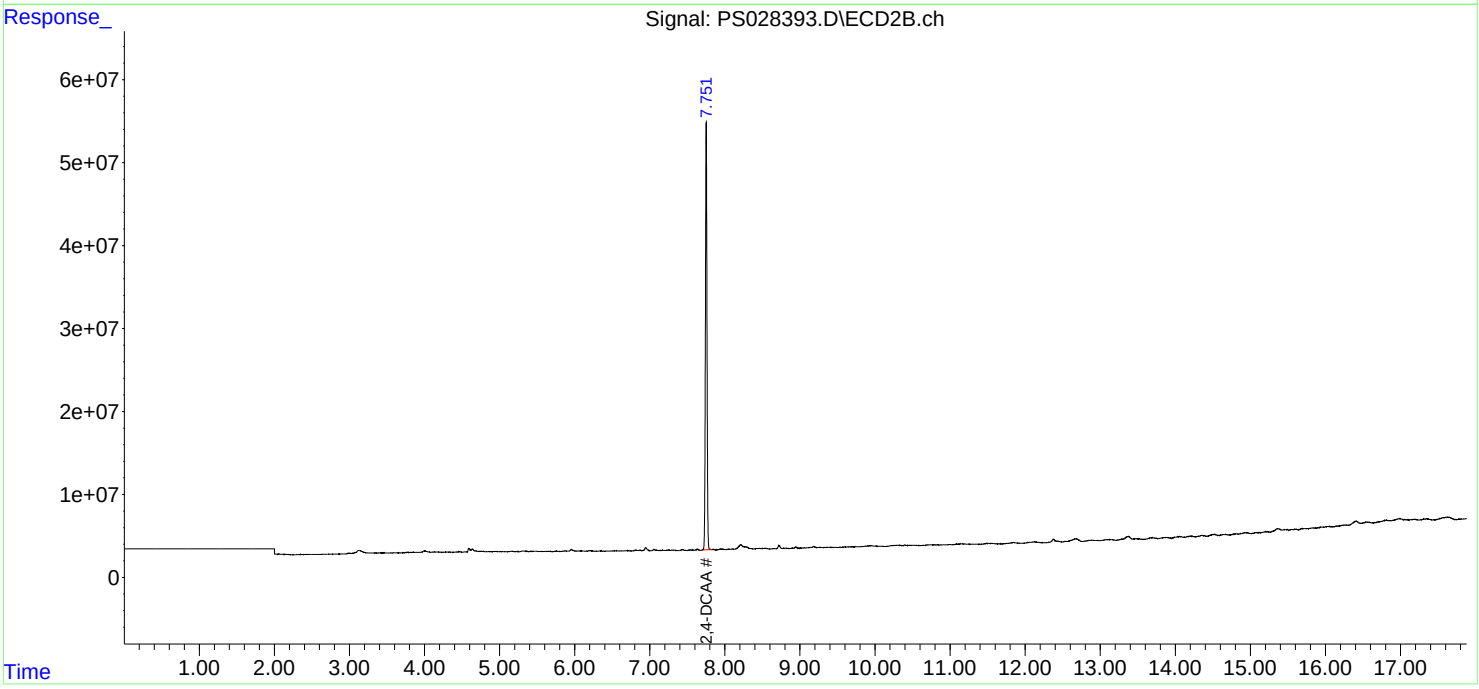
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028393.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 10:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

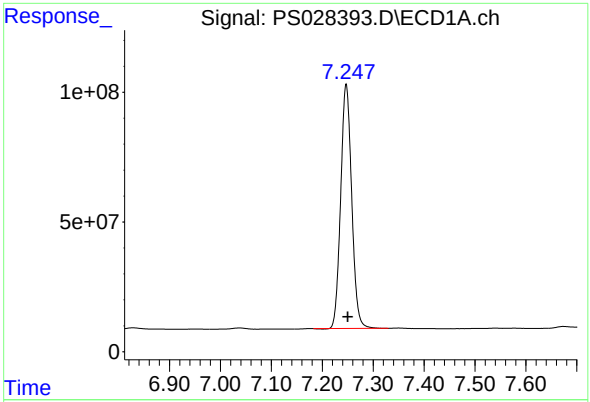
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:08:28 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



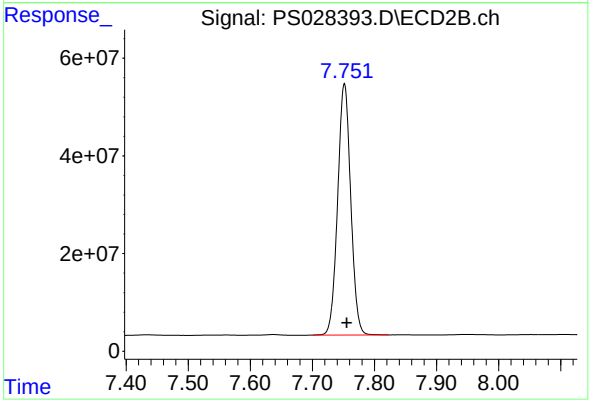




#4 2,4-DCAA

R.T.: 7.247 min
Delta R.T.: -0.003 min
Response: 1410849503
Conc: 511.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.004 min
Response: 752222628
Conc: 472.08 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI	Date Collected:	11/11/24
Project:	R36704	Date Received:	11/11/24
Client Sample ID:	PIBLK-PS028405.D	SDG No.:	P4601
Lab Sample ID:	I.BLK-PS028405.D	Matrix:	WATER
Analytical Method:	SW8151A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028405.D	1		11/11/24	ps111124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	2.00	U	0.42	2.00	ug/L
120-36-5	DICHLORPROP	2.00	U	0.43	2.00	ug/L
94-75-7	2,4-D	2.00	U	0.49	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	2.00	U	0.45	2.00	ug/L
93-76-5	2,4,5-T	2.00	U	0.50	2.00	ug/L
94-82-6	2,4-DB	2.00	U	0.57	2.00	ug/L
88-85-7	DINOSEB	2.00	U	0.55	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	511		39 - 175	102%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:09
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: Nov 11 23:19:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.247	7.752	1410.9E6	751.7E6	511.039	471.753
	Target Compounds						

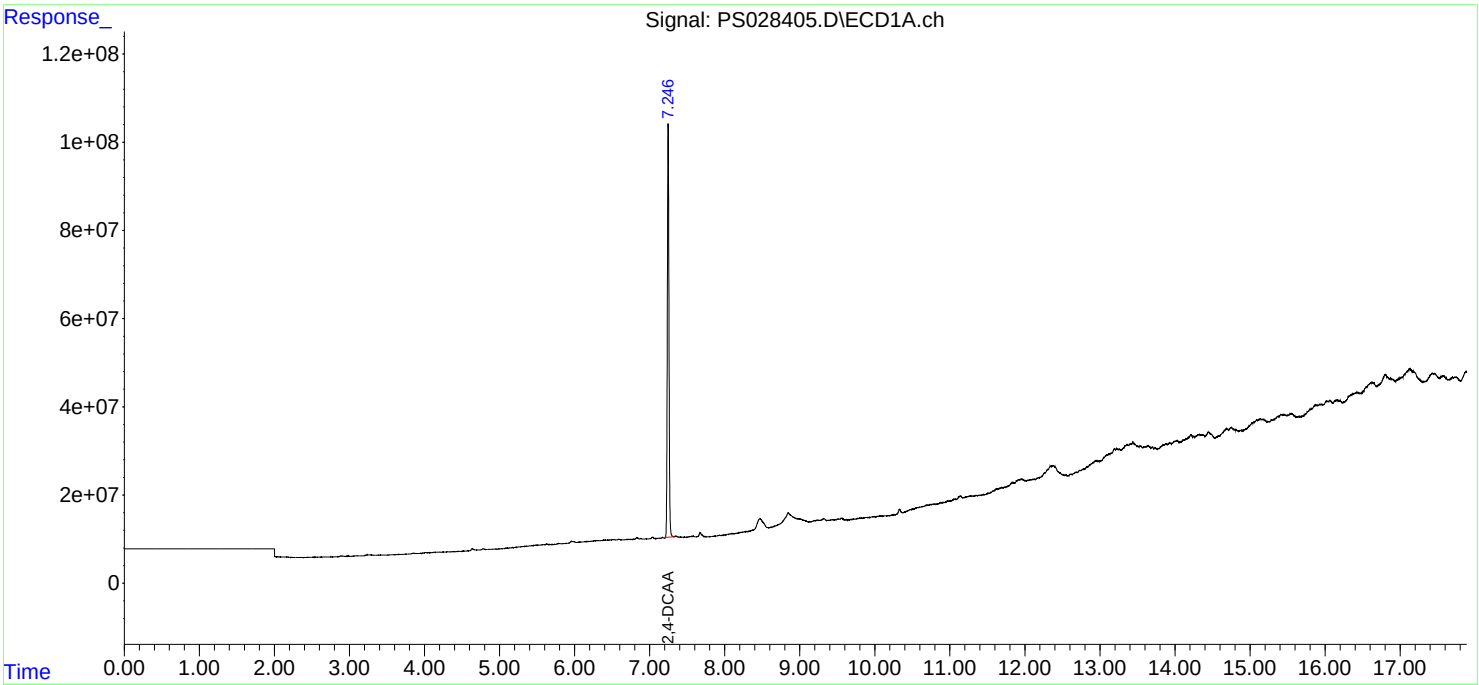
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

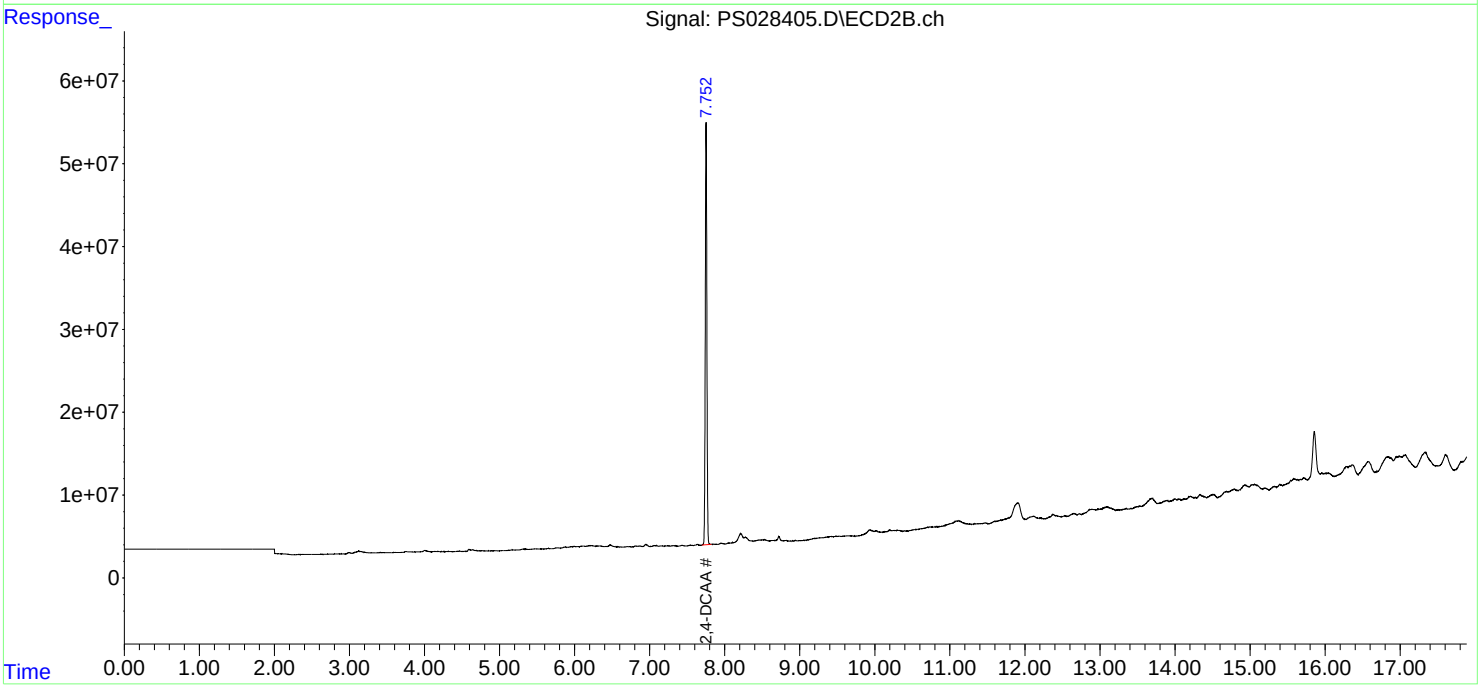
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028405.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 16:09
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

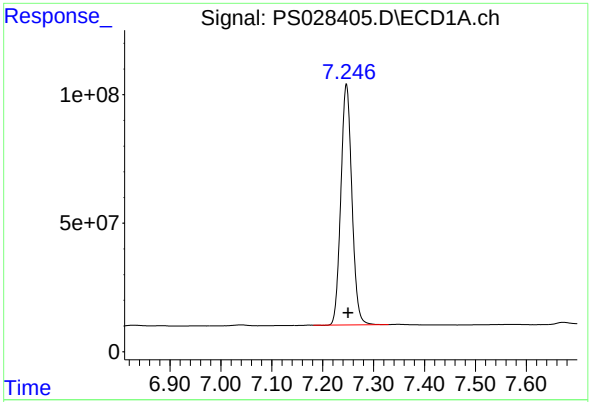
Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:19:06 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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



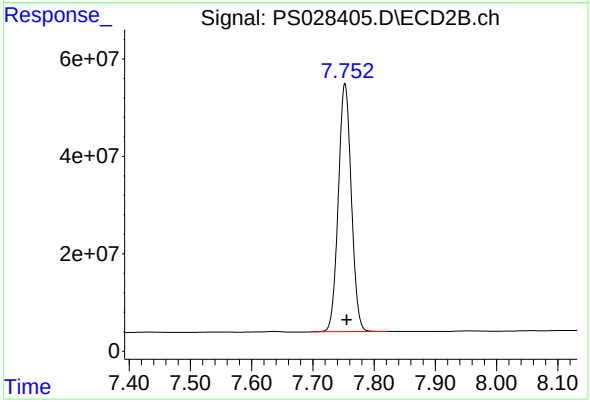




#4 2,4-DCAA

R.T.: 7.247 min
Delta R.T.: -0.003 min
Response: 1410854111
Conc: 511.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.752 min
Delta R.T.: -0.003 min
Response: 751701019
Conc: 471.75 ng/ml

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36704		Date Received:		
Client Sample ID:	PB164559BS		SDG No.:	P4601	
Lab Sample ID:	PB164559BS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028295.D	1	10/31/24 10:00	11/07/24 03:52	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	170		8.70	66.9	ug/Kg
120-36-5	DICHLORPROP	173		9.50	66.9	ug/Kg
94-75-7	2,4-D	174		12.1	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	178		9.40	66.9	ug/Kg
93-76-5	2,4,5-T	177		10.1	66.9	ug/Kg
94-82-6	2,4-DB	173		18.3	66.9	ug/Kg
88-85-7	DINOSEB	172		12.4	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	552		10 - 141	110%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:52
Operator : AR\AJ
Sample : PB164559BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB164559BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:57:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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	7.258	7.762	1413.1E6	900.6E6	551.685	517.069
	Target Compounds						
1) T	Dalapon	2.652	2.708	1526.3E6	1297.6E6	428.829	440.985
2) T	3,5-DICHL...	6.427	6.713	1882.6E6	1232.8E6	502.188	487.106
3) T	4-Nitroph...	7.058	7.288	797.6E6	511.8E6	484.137	446.594
5) T	DICAMBA	7.448	7.964	5732.8E6	3917.6E6	510.557	487.717
6) T	MCPP	7.630	8.064	378.2E6	302.3E6	49.878	49.799
7) T	MCPA	7.780	8.310	515.7E6	405.3E6	49.533	48.607
8) T	DICHLORPROP	8.158	8.680	1466.0E6	967.6E6	520.004	481.572
9) T	2,4-D	8.389	9.012	1647.7E6	1059.7E6	522.065m	475.184
10) T	Pentachlo...	8.690	9.543	22966.4E6	14356.7E6	552.572	492.265
11) T	2,4,5-TP ...	9.272	9.919	9075.9E6	6059.4E6	533.070	486.987
12) T	2,4,5-T	9.564	10.341	9209.5E6	5850.4E6	531.252	476.930
13) T	2,4-DB	10.142	10.908	1465.4E6	725.9E6	518.431	458.023
14) T	DINOSEB	11.359	11.288	7455.2E6	3944.2E6	515.609	452.235
15) T	Picloram	11.164	12.388	14724.9E6	8011.5E6	507.774	444.289
16) T	DCPA	11.651	12.335	12859.1E6	6574.3E6	541.226	469.243

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS110624\
Data File : PS028295.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Nov 2024 03:52
Operator : AR\AJ
Sample : PB164559BS
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 07 04:57:59 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110624.M
Quant Title : 8080.M
QLast Update : Wed Nov 06 11:48:19 2024
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

Instrument :
ECD_S
ClientSampleId :
PB164559BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
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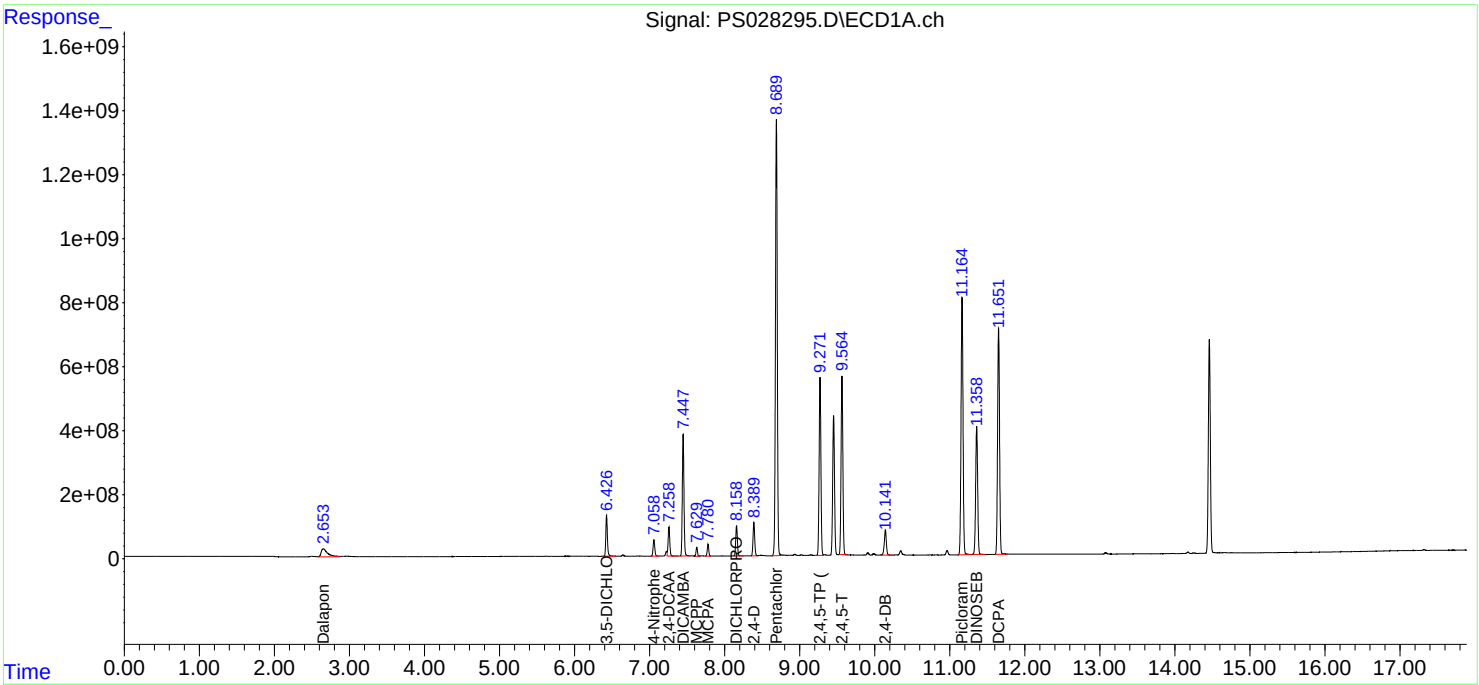
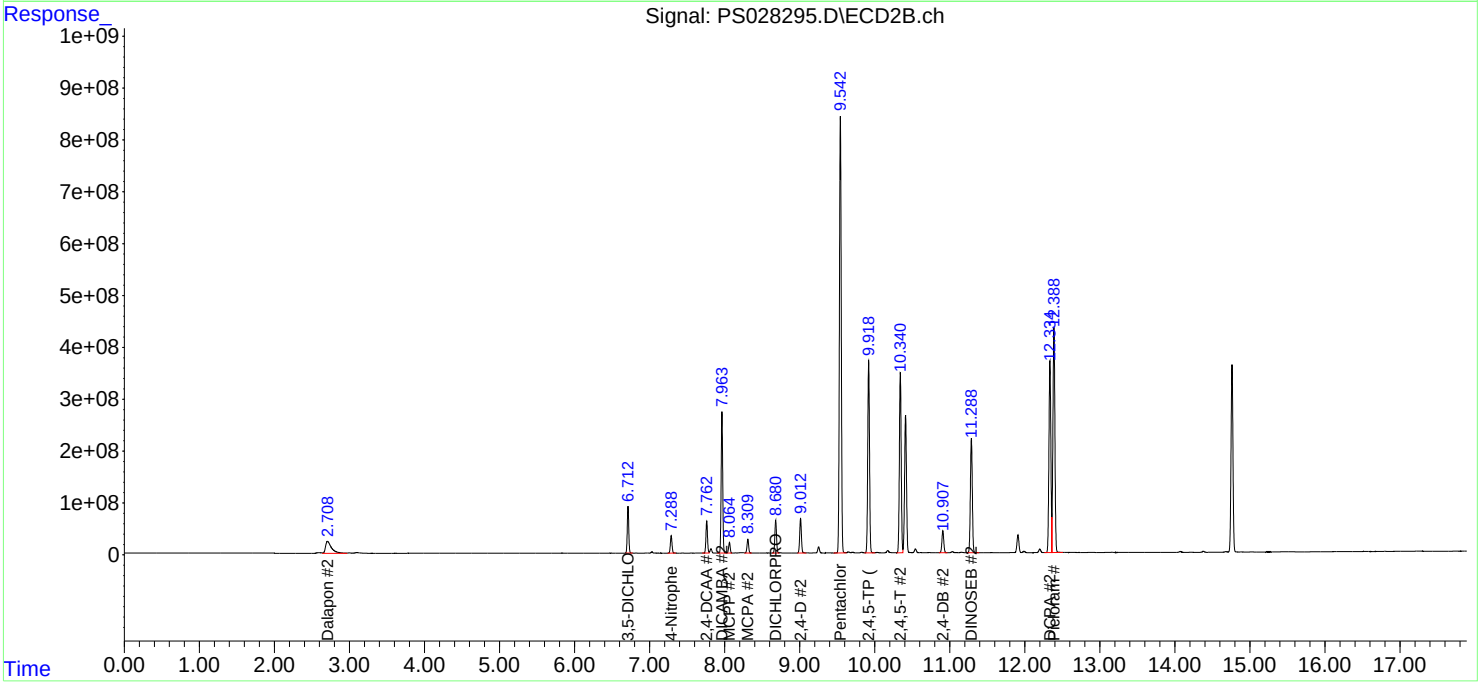
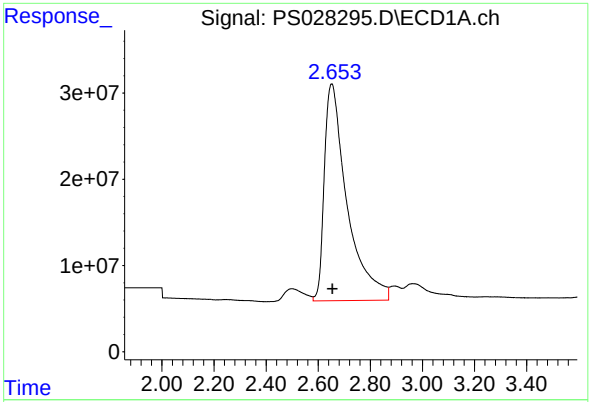






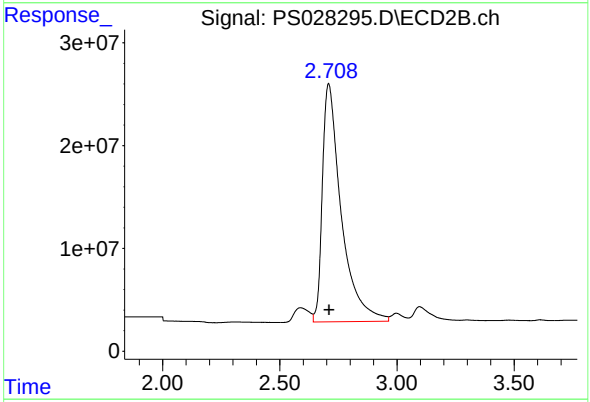
#1 Dalapon

R.T.: 2.652 min
Delta R.T.: -0.002 min
Response: 1526286035
Conc: 428.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

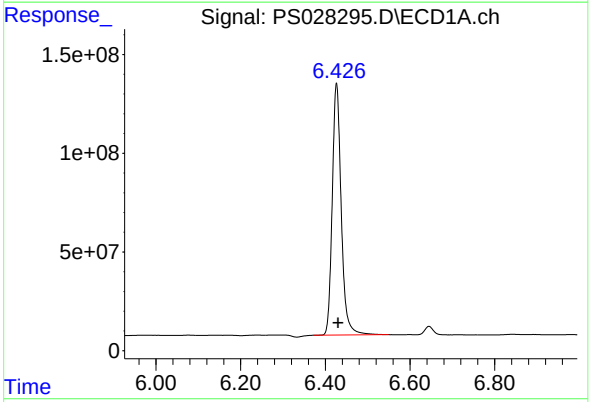
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



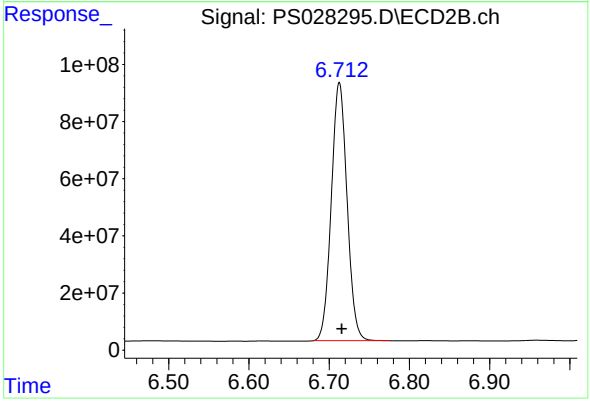
#1 Dalapon

R.T.: 2.708 min
Delta R.T.: -0.002 min
Response: 1297596072
Conc: 440.99 ng/ml



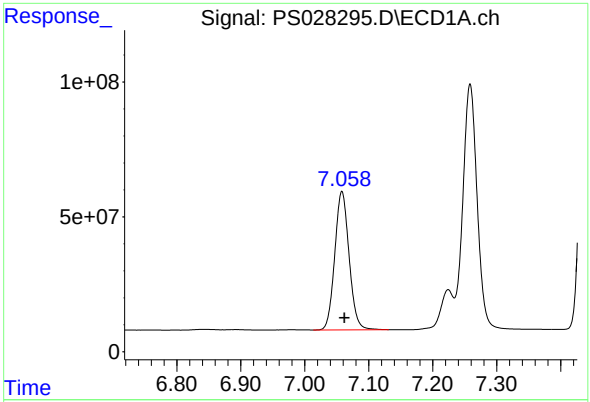
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.427 min
Delta R.T.: -0.004 min
Response: 1882590989
Conc: 502.19 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.713 min
Delta R.T.: -0.003 min
Response: 1232819831
Conc: 487.11 ng/ml



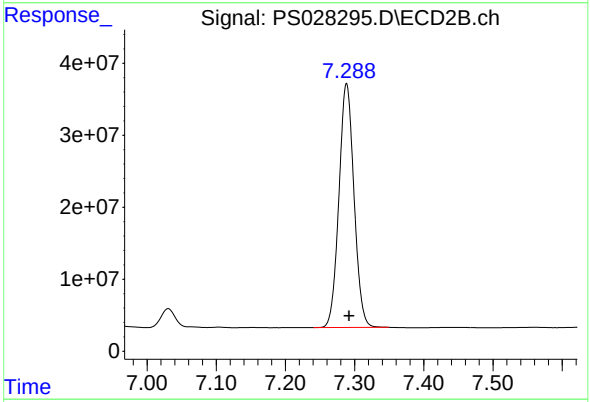
#3 4-Nitrophenol

R.T.: 7.058 min
Delta R.T.: -0.004 min
Response: 797648791
Conc: 484.14 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

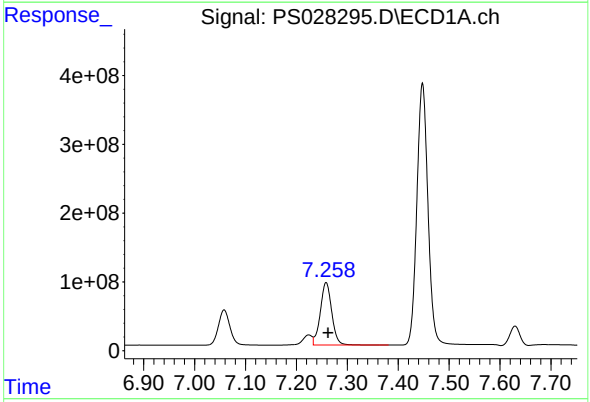
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



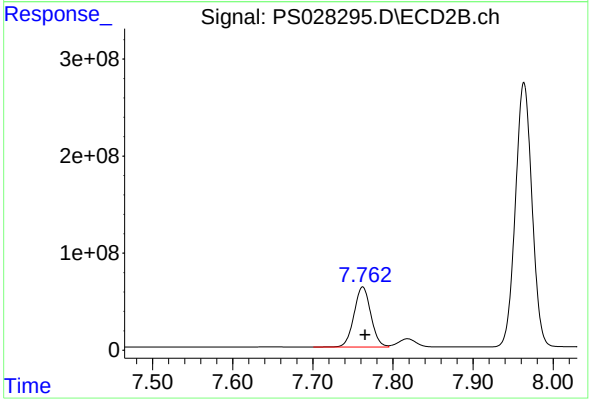
#3 4-Nitrophenol

R.T.: 7.288 min
Delta R.T.: -0.003 min
Response: 511772692
Conc: 446.59 ng/ml



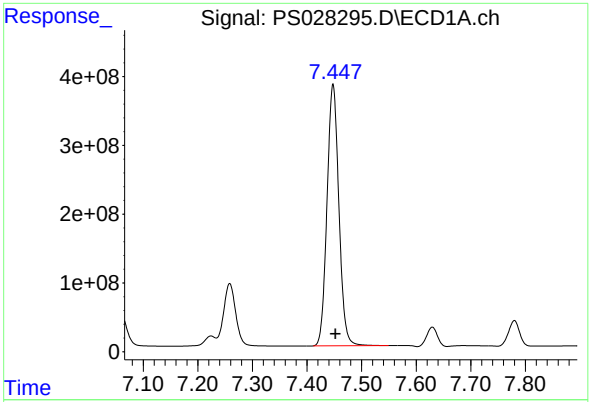
#4 2,4-DCAA

R.T.: 7.258 min
Delta R.T.: -0.004 min
Response: 1413094034
Conc: 551.69 ng/ml



#4 2,4-DCAA

R.T.: 7.762 min
Delta R.T.: -0.003 min
Response: 900620101
Conc: 517.07 ng/ml



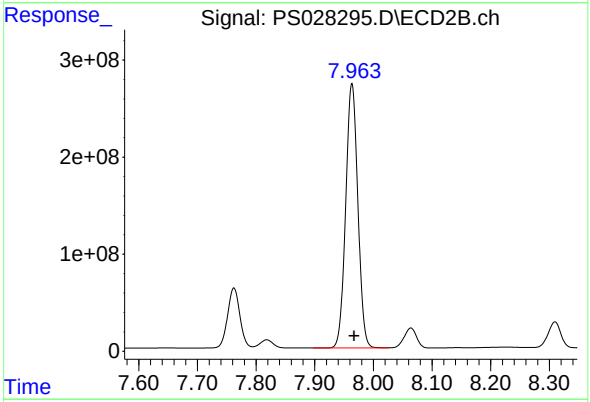
#5 DICAMBA

R.T.: 7.448 min
Delta R.T.: -0.005 min
Response: 5732810021
Conc: 510.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

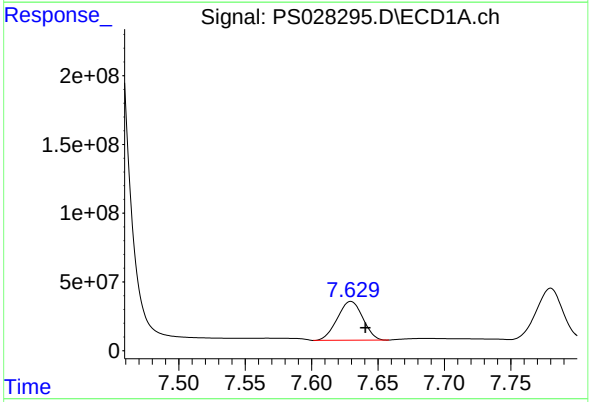
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



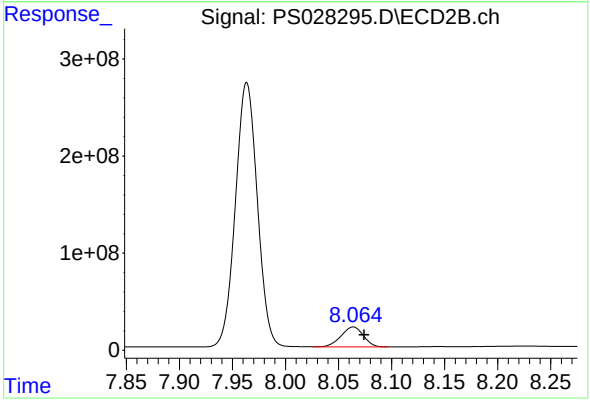
#5 DICAMBA

R.T.: 7.964 min
Delta R.T.: -0.004 min
Response: 3917619361
Conc: 487.72 ng/ml



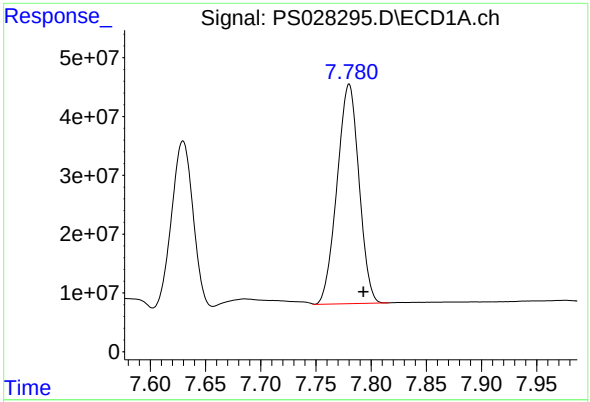
#6 MCPP

R.T.: 7.630 min
Delta R.T.: -0.011 min
Response: 378197665
Conc: 49.88 ug/ml



#6 MCPP

R.T.: 8.064 min
Delta R.T.: -0.010 min
Response: 302340920
Conc: 49.80 ug/ml



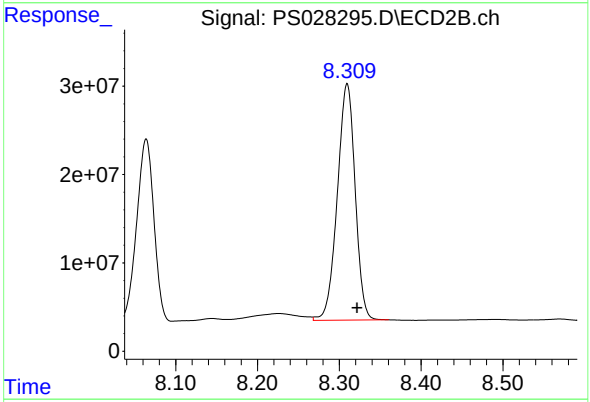
#7 MCPA

R.T.: 7.780 min
Delta R.T.: -0.013 min
Response: 515689910
Conc: 49.53 ug/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

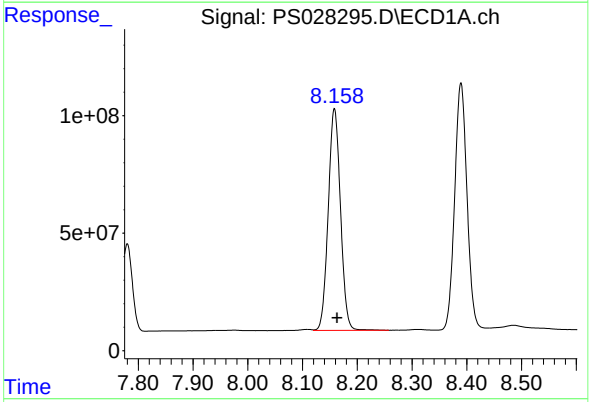
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



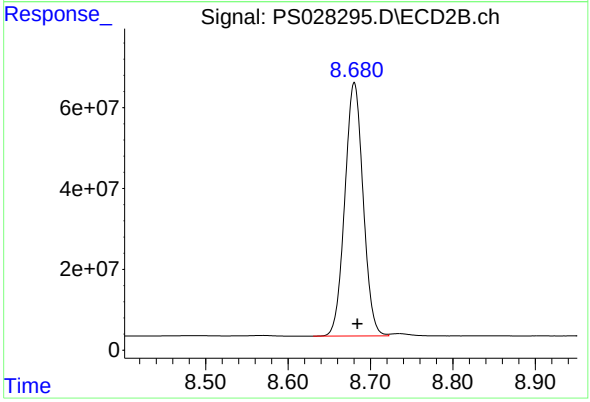
#7 MCPA

R.T.: 8.310 min
Delta R.T.: -0.012 min
Response: 405314601
Conc: 48.61 ug/ml



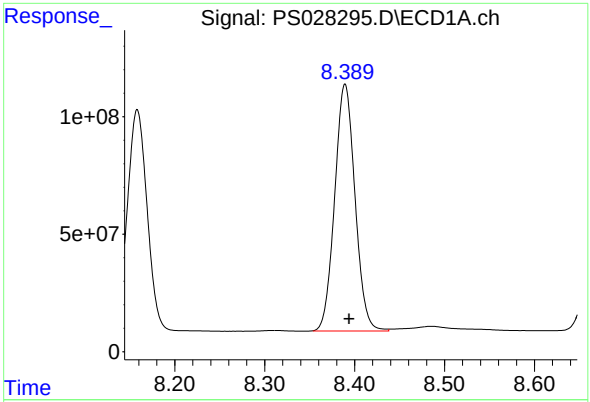
#8 DICHLORPROP

R.T.: 8.158 min
Delta R.T.: -0.005 min
Response: 1466036575
Conc: 520.00 ng/ml



#8 DICHLORPROP

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 967595327
Conc: 481.57 ng/ml



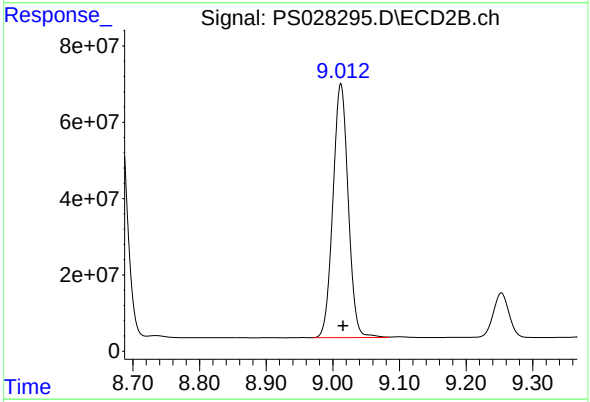
#9 2,4-D

R.T.: 8.389 min
Delta R.T.: -0.005 min
Response: 1647694054
Conc: 522.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

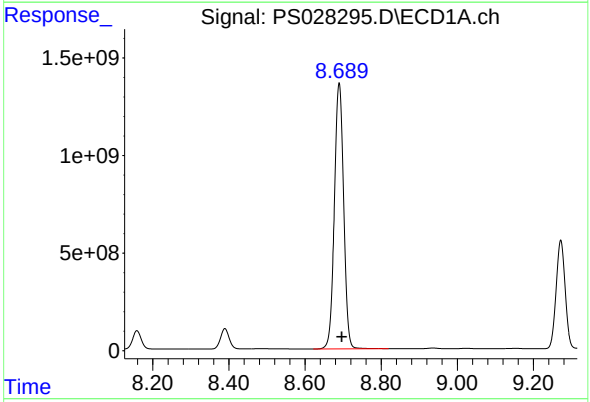
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/08/2024
Supervised By :Ankita Jodhani 11/08/2024



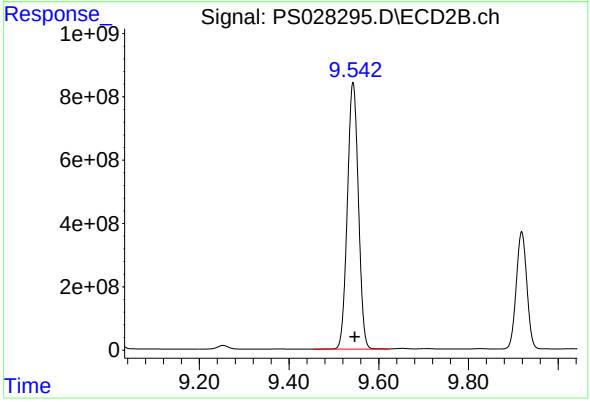
#9 2,4-D

R.T.: 9.012 min
Delta R.T.: -0.003 min
Response: 1059726953
Conc: 475.18 ng/ml



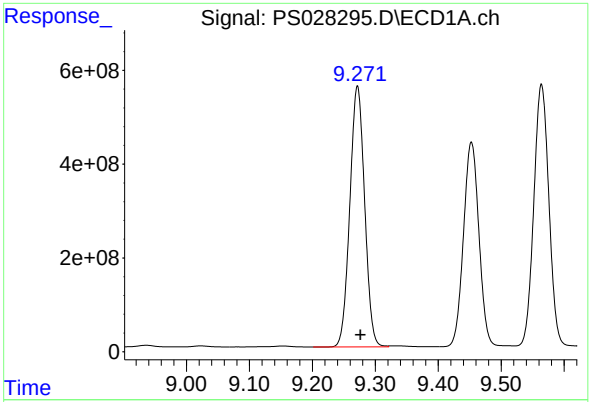
#10 Pentachlorophenol

R.T.: 8.690 min
Delta R.T.: -0.007 min
Response: 22966396143
Conc: 552.57 ng/ml



#10 Pentachlorophenol

R.T.: 9.543 min
Delta R.T.: -0.004 min
Response: 14356743270
Conc: 492.26 ng/ml



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

R.T.: 9.272 min
Delta R.T.: -0.005 min
Response: 9075861422
Conc: 533.07 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

Manual Integrations APPROVED

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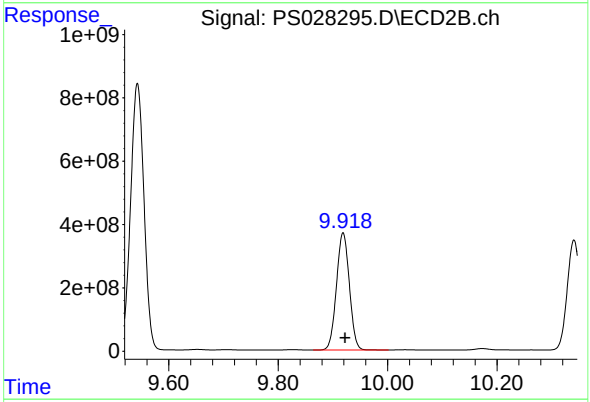
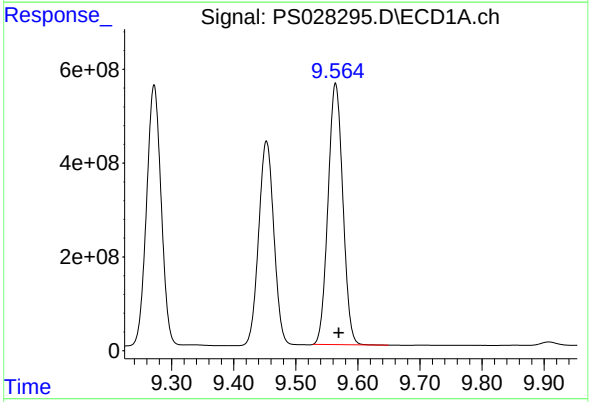


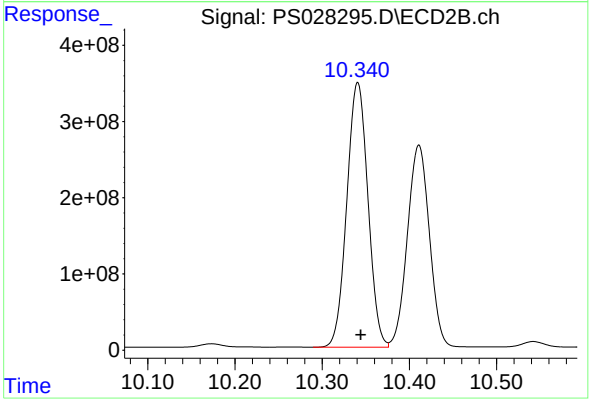
#11 2,4,5-TP (SILVEX)

R.T.: 9.919 min
Delta R.T.: -0.003 min
Response: 6059433744
Conc: 486.99 ng/ml



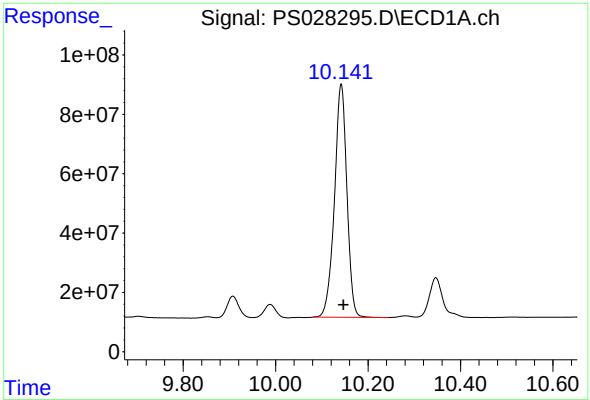
#12 2,4,5-T

R.T.: 9.564 min
Delta R.T.: -0.005 min
Response: 9209526109
Conc: 531.25 ng/ml



#12 2,4,5-T

R.T.: 10.341 min
Delta R.T.: -0.003 min
Response: 5850391719
Conc: 476.93 ng/ml



#13 2,4-DB

R.T.: 10.142 min
Delta R.T.: -0.005 min
Response: 1465362760
Conc: 518.43 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

Manual Integrations APPROVED

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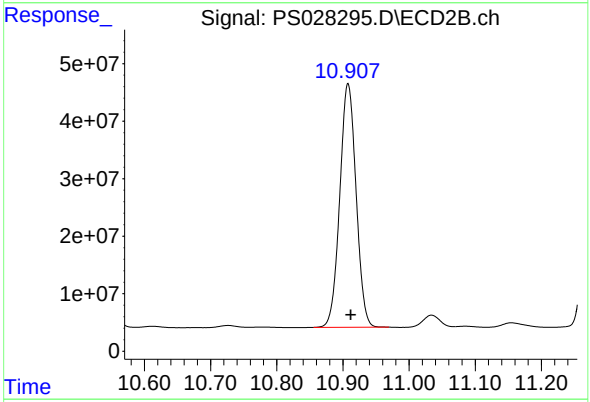
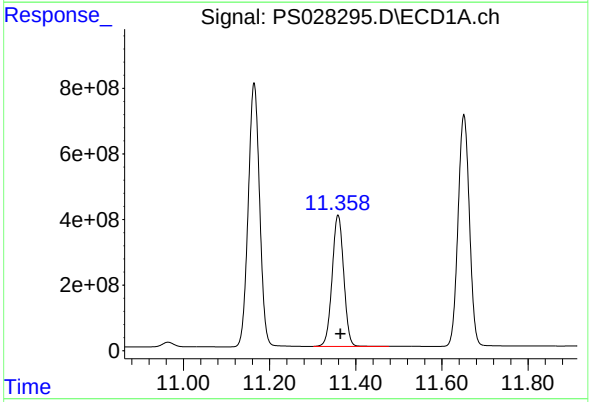


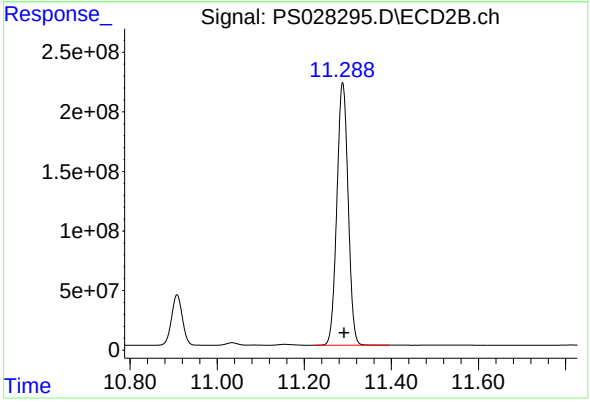
#13 2,4-DB

R.T.: 10.908 min
Delta R.T.: -0.004 min
Response: 725919715
Conc: 458.02 ng/ml



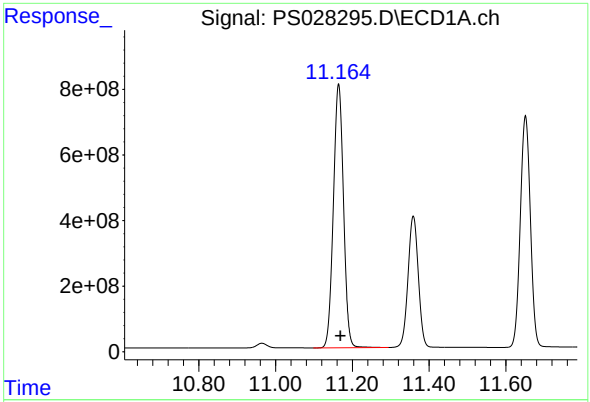
#14 DINOSEB

R.T.: 11.359 min
Delta R.T.: -0.005 min
Response: 7455181346
Conc: 515.61 ng/ml



#14 DINOSEB

R.T.: 11.288 min
Delta R.T.: -0.003 min
Response: 3944234338
Conc: 452.23 ng/ml



#15 Picloram

R.T.: 11.164 min
Delta R.T.: -0.005 min
Response: 14724882588
Conc: 507.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB164559BS

Manual Integrations APPROVED

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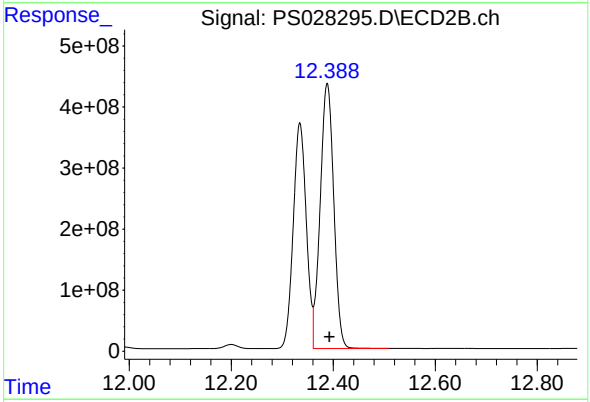
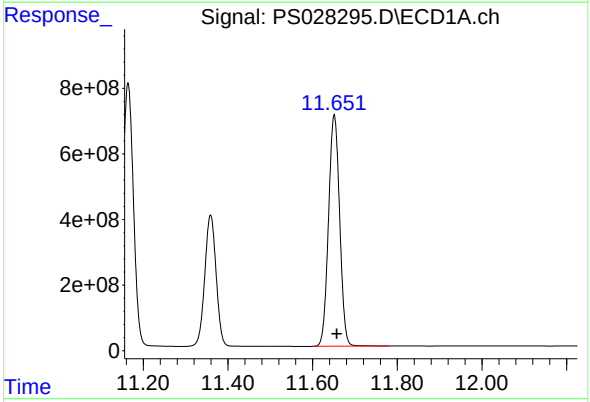


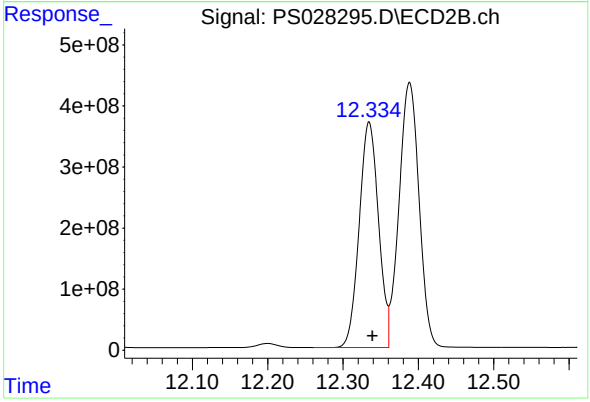
#15 Picloram

R.T.: 12.388 min
Delta R.T.: -0.004 min
Response: 8011495637
Conc: 444.29 ng/ml



#16 DCPA

R.T.: 11.651 min
Delta R.T.: -0.006 min
Response: 12859130187
Conc: 541.23 ng/ml



#16 DCPA

R.T.: 12.335 min
Delta R.T.: -0.005 min
Response: 6574328527
Conc: 469.24 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R7MS		SDG No.:	P4601	
Lab Sample ID:	P4601-37MS		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028403.D	1	10/31/24 10:00	11/11/24 15:21	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	165		10.6	82.3	ug/Kg
120-36-5	DICHLORPROP	175		11.7	82.3	ug/Kg
94-75-7	2,4-D	301		14.9	82.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	300	P	11.5	82.3	ug/Kg
93-76-5	2,4,5-T	182		12.4	82.3	ug/Kg
94-82-6	2,4-DB	180		22.5	82.3	ug/Kg
88-85-7	DINOSEB	82.3	U	15.2	82.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	619		10 - 141	124%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 15:21
Operator : AR\AJ
Sample : P4601-37MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:17:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.245	7.755	1709.5E6	824.3E6	619.211	517.306
	Target Compounds						
1) T	Dalapon	2.647	2.709	862.7E6	812.3E6	241.769	286.451m
2) T	3,5-DICHL...	6.417	6.705	1557.5E6	821.8E6	389.250	346.907
3) T	4-Nitroph...	7.046	7.279	511.1E6	286.6E6	275.647	270.628m
5) T	DICAMBA	7.435	7.954	4866.1E6	2709.6E6	404.133	377.928
6) T	MCPP	7.616	8.054	301.5E6	221.7E6	36.869	37.744
7) T	MCPA	7.767	8.300	559.8E6	411.4E6	49.925	51.379
8) T	DICHLORPROP	8.145	8.671	1327.5E6	696.6E6	428.285	391.054
9) T	2,4-D	8.376	9.003	2018.3E6	1423.2E6	574.330	735.971 #
10) T	Pentachlo...	8.676	9.532	10437.0E6	5230.4E6	231.716	209.912
11) T	2,4,5-TP ...	9.256	9.914	7329.2E6	7761.4E6	387.195	732.748 #
12) T	2,4,5-T	9.548	10.329	8604.1E6	4417.3E6	443.946	425.717
13) T	2,4-DB	10.125	10.896	1327.1E6	582.7E6	429.366	439.658
14) T	DINOSEB	11.339	11.278	555.5E6	181.0E6	34.264m	25.216m#
15) T	Picloram	11.145	12.375	11660.7E6	4769.7E6	371.289	331.403
16) T	DCPA	11.631	12.323	11848.7E6	5602.0E6	443.331	499.728

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 15:21
Operator : AR\AJ
Sample : P4601-37MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:17:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

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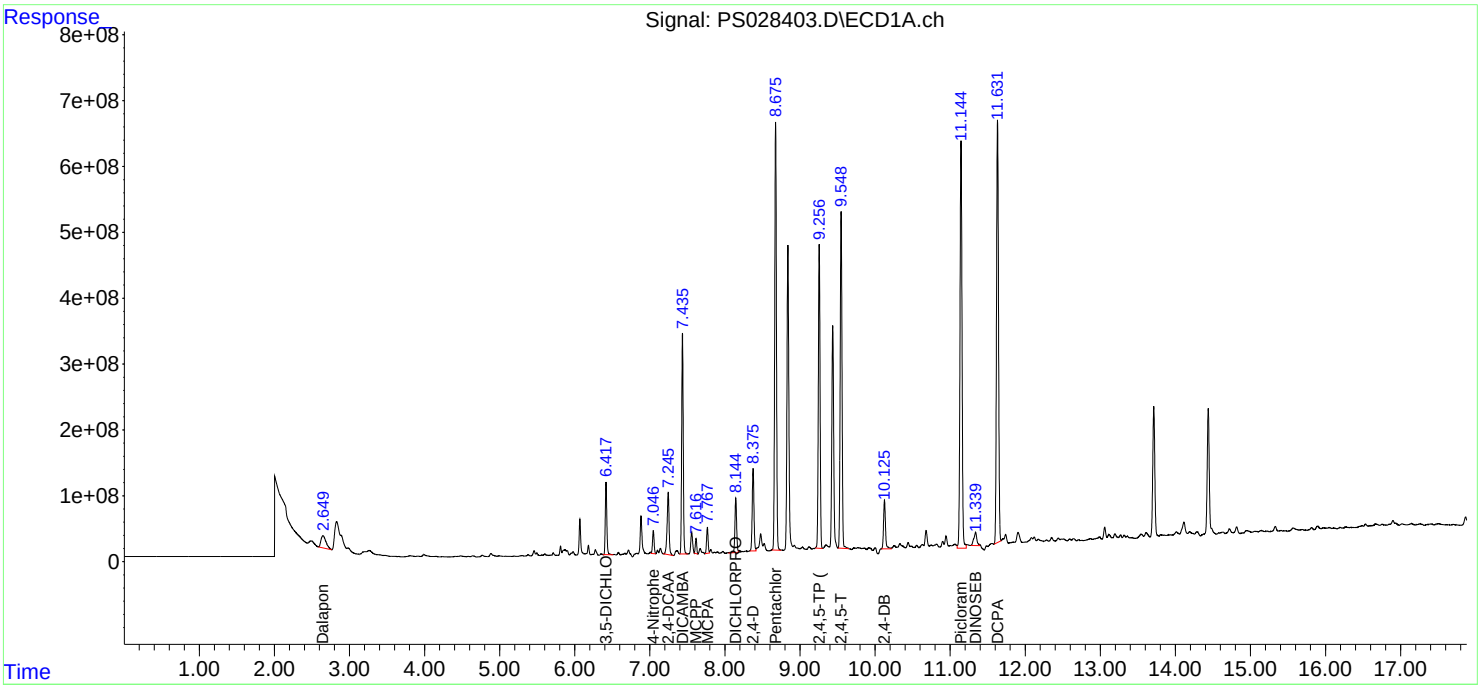

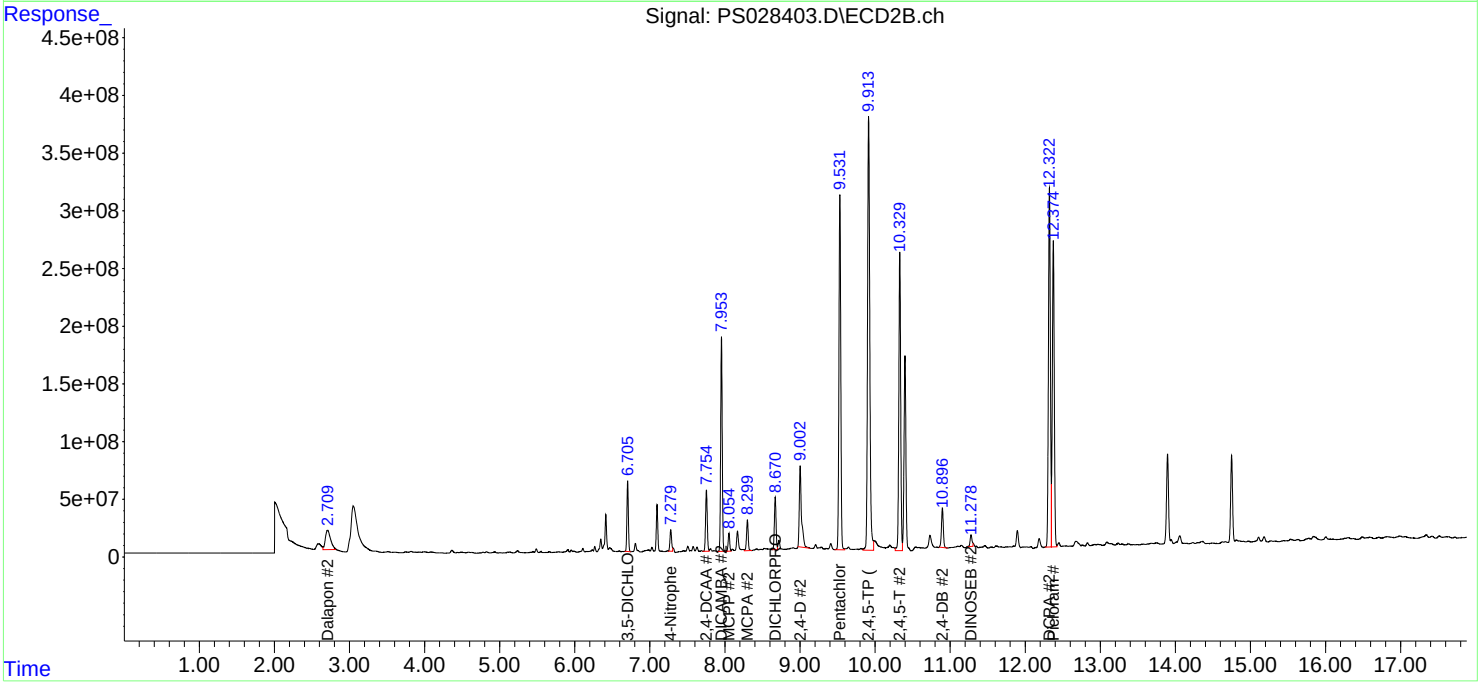

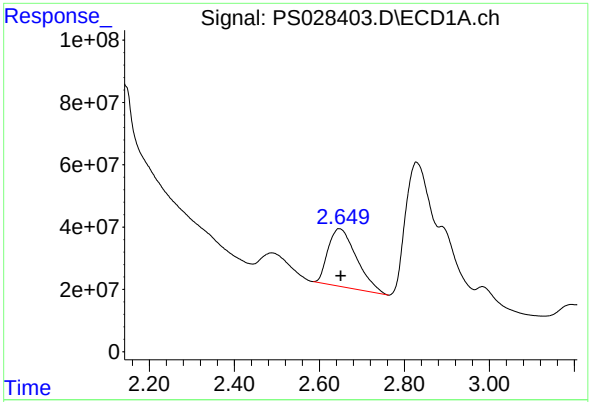

#1 Dalapon

R.T.: 2.647 min
Delta R.T.: -0.003 min
Response: 862662932
Conc: 241.77 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

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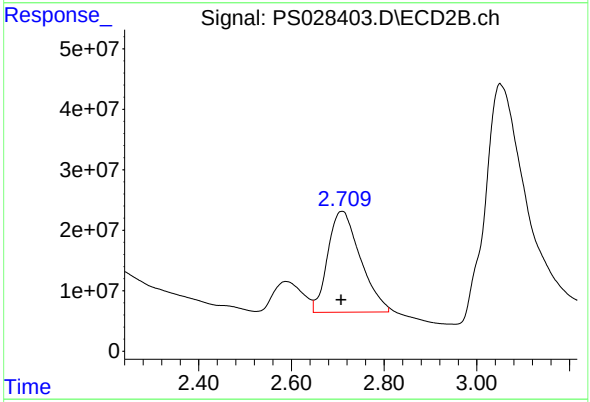
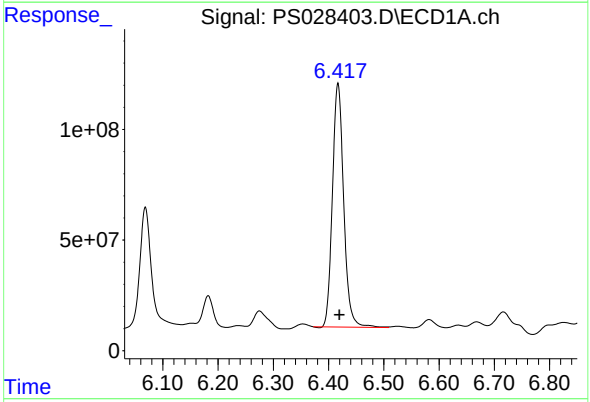
Supervised By :Ankita Jodhani 11/12/2024



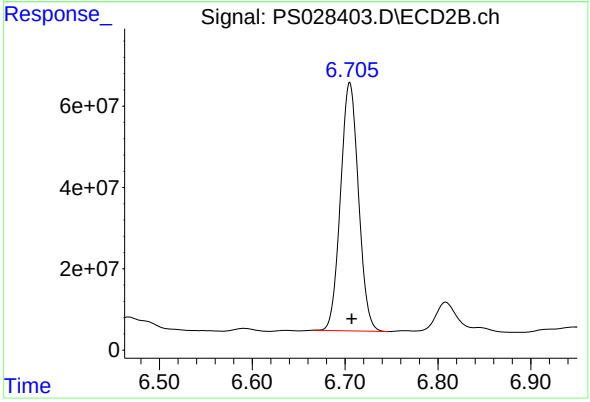
#1 Dalapon

R.T.: 2.709 min
Delta R.T.: 0.002 min
Response: 812278786
Conc: 286.45 ng/ml m



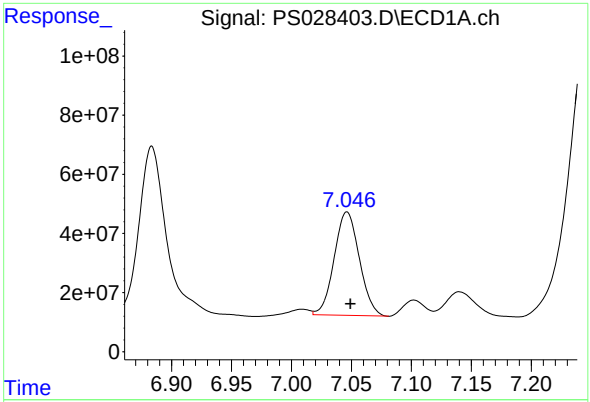
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.417 min
Delta R.T.: -0.003 min
Response: 1557537135
Conc: 389.25 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min
Delta R.T.: -0.002 min
Response: 821837764
Conc: 346.91 ng/ml



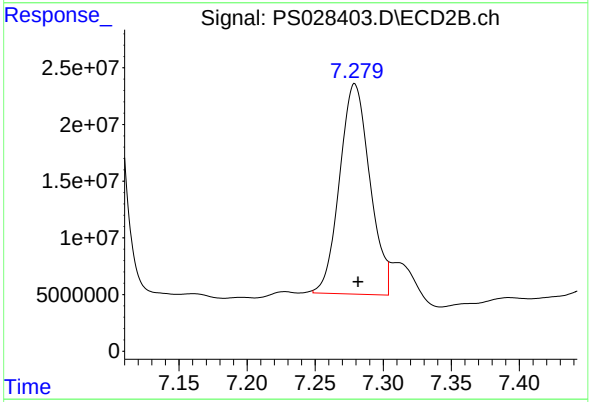
#3 4-Nitrophenol

R.T.: 7.046 min
Delta R.T.: -0.003 min
Response: 511113574
Conc: 275.65 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

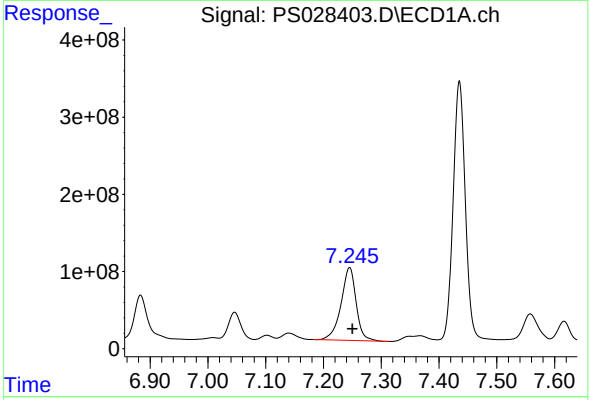
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



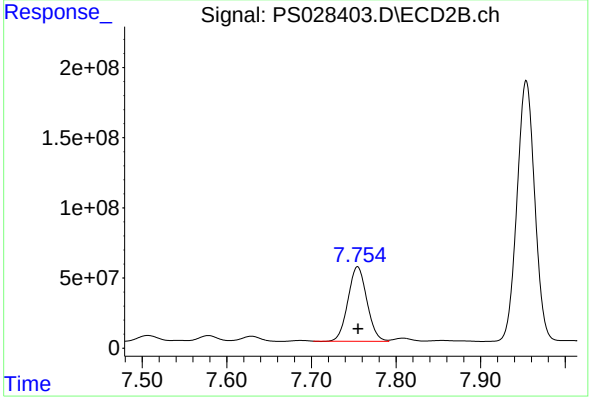
#3 4-Nitrophenol

R.T.: 7.279 min
Delta R.T.: -0.003 min
Response: 286596279
Conc: 270.63 ng/ml m



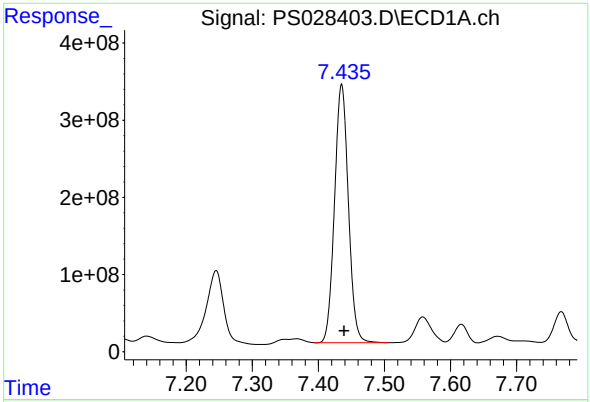
#4 2,4-DCAA

R.T.: 7.245 min
Delta R.T.: -0.005 min
Response: 1709489269
Conc: 619.21 ng/ml



#4 2,4-DCAA

R.T.: 7.755 min
Delta R.T.: 0.000 min
Response: 824286099
Conc: 517.31 ng/ml



#5 DICAMBA

R.T.: 7.435 min
Delta R.T.: -0.004 min
Response: 4866068593
Conc: 404.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
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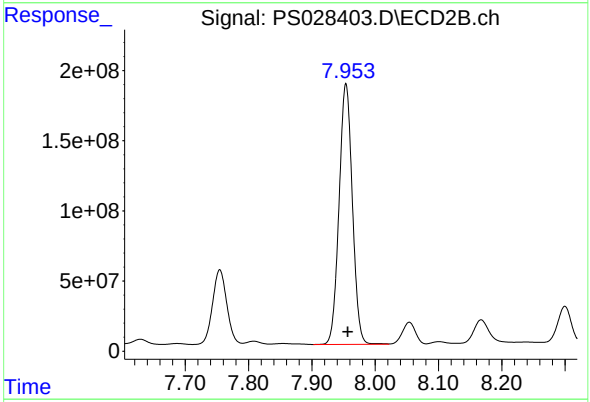
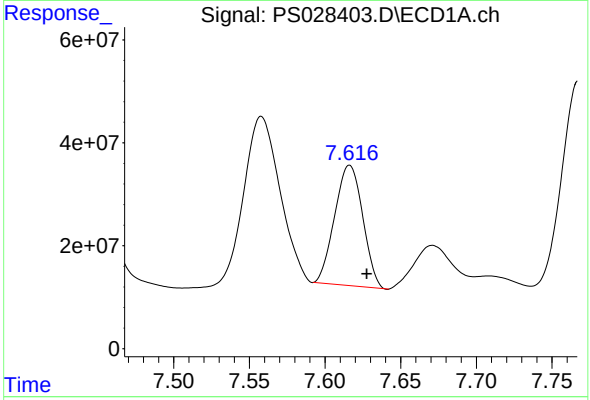


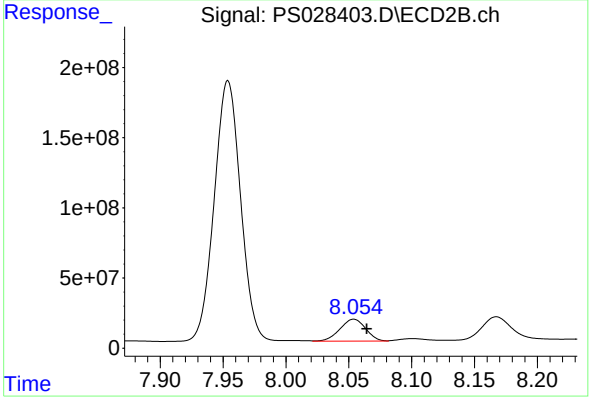
#5 DICAMBA

R.T.: 7.954 min
Delta R.T.: -0.003 min
Response: 2709561100
Conc: 377.93 ng/ml



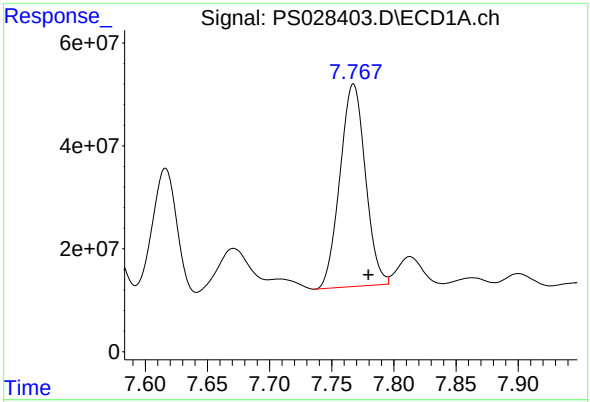
#6 MCPP

R.T.: 7.616 min
Delta R.T.: -0.011 min
Response: 301538743
Conc: 36.87 ug/ml



#6 MCPP

R.T.: 8.054 min
Delta R.T.: -0.010 min
Response: 221731973
Conc: 37.74 ug/ml



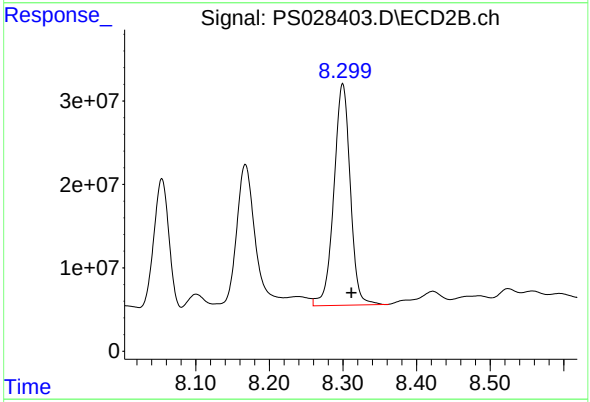
#7 MCPA

R.T.: 7.767 min
Delta R.T.: -0.012 min
Response: 559760141
Conc: 49.92 ug/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

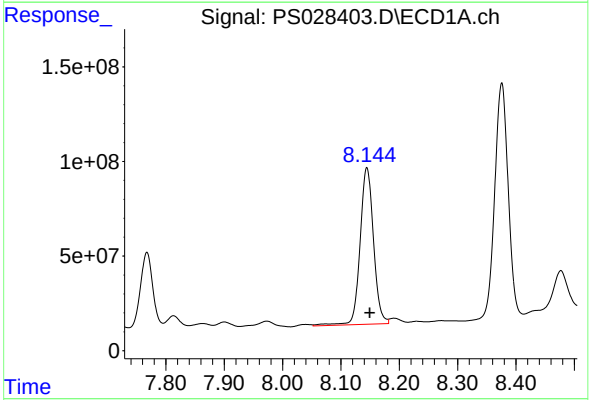
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



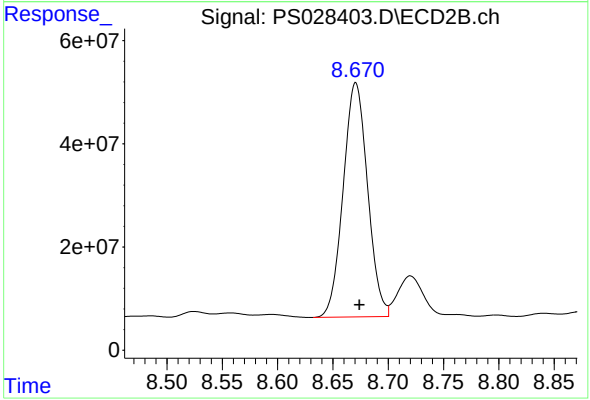
#7 MCPA

R.T.: 8.300 min
Delta R.T.: -0.012 min
Response: 411421309
Conc: 51.38 ug/ml



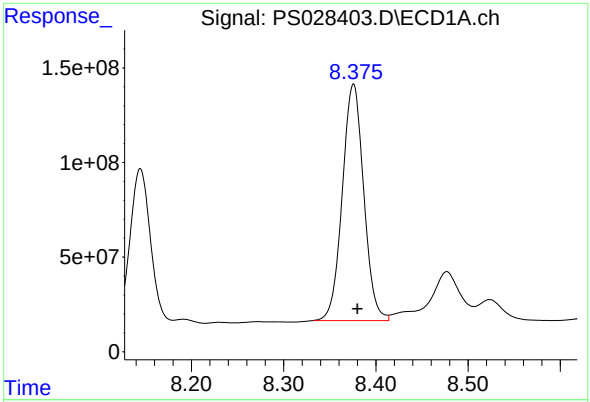
#8 DICHLORPROP

R.T.: 8.145 min
Delta R.T.: -0.004 min
Response: 1327530015
Conc: 428.29 ng/ml



#8 DICHLORPROP

R.T.: 8.671 min
Delta R.T.: -0.003 min
Response: 696570683
Conc: 391.05 ng/ml



#9 2,4-D

R.T.: 8.376 min
Delta R.T.: -0.004 min
Response: 2018312731
Conc: 574.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

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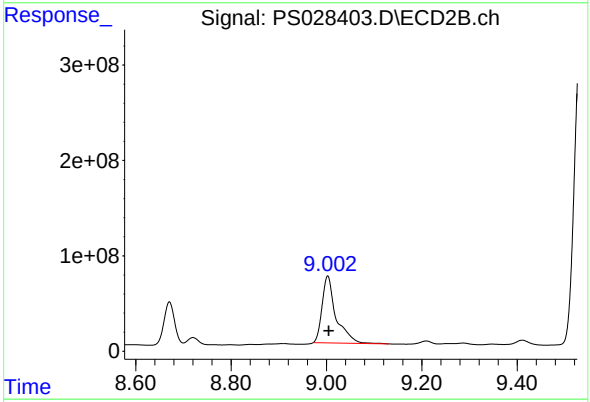
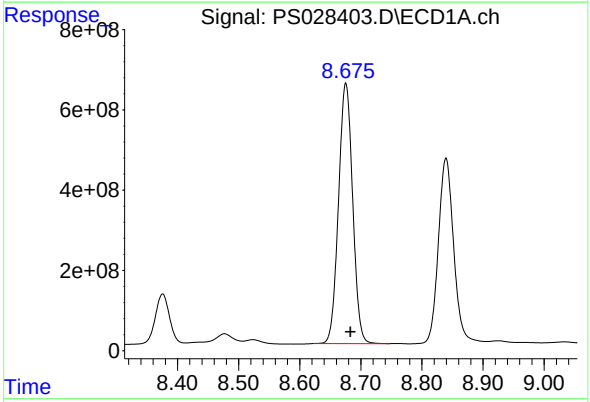


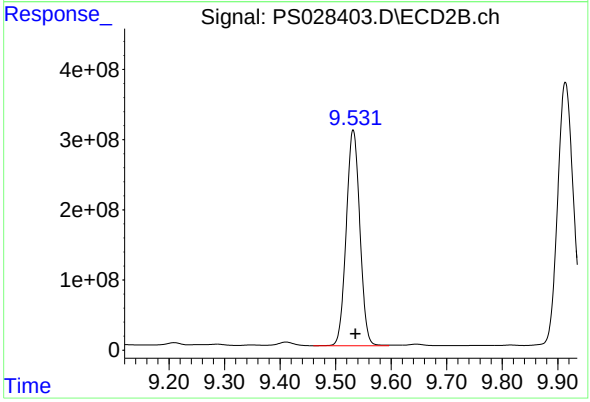
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: -0.002 min
Response: 1423232308
Conc: 735.97 ng/ml



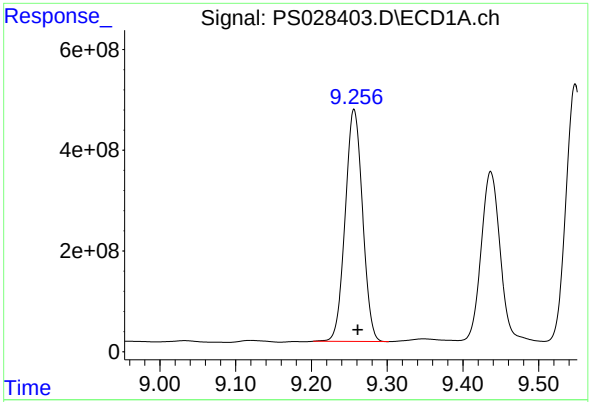
#10 Pentachlorophenol

R.T.: 8.676 min
Delta R.T.: -0.007 min
Response: 10436968838
Conc: 231.72 ng/ml



#10 Pentachlorophenol

R.T.: 9.532 min
Delta R.T.: -0.004 min
Response: 5230354063
Conc: 209.91 ng/ml



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

R.T.: 9.256 min
Delta R.T.: -0.005 min
Response: 7329189733
Conc: 387.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

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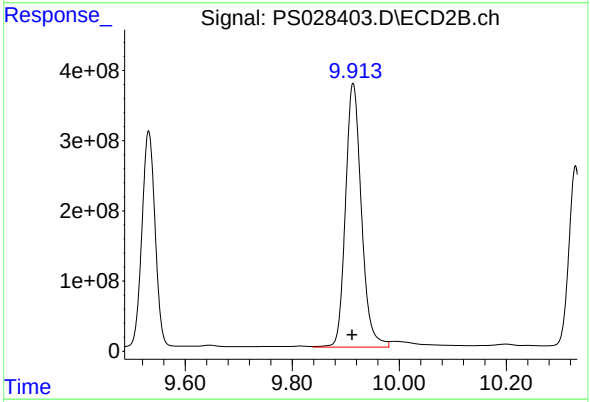
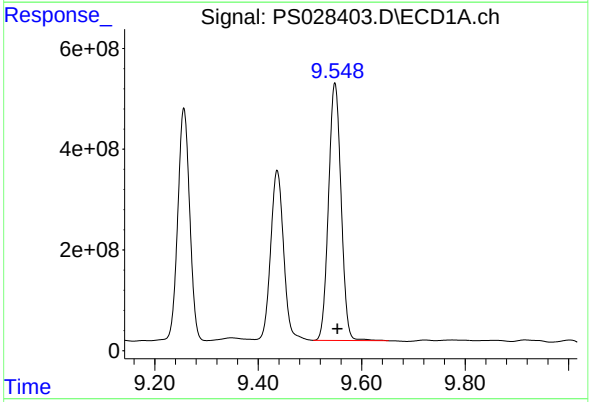


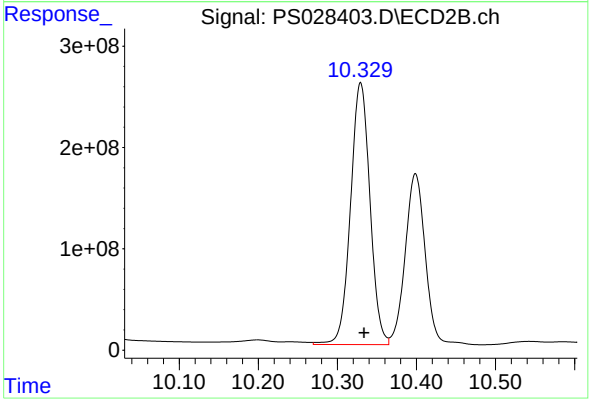
#11 2,4,5-TP (SILVEX)

R.T.: 9.914 min
Delta R.T.: 0.002 min
Response: 7761413357
Conc: 732.75 ng/ml



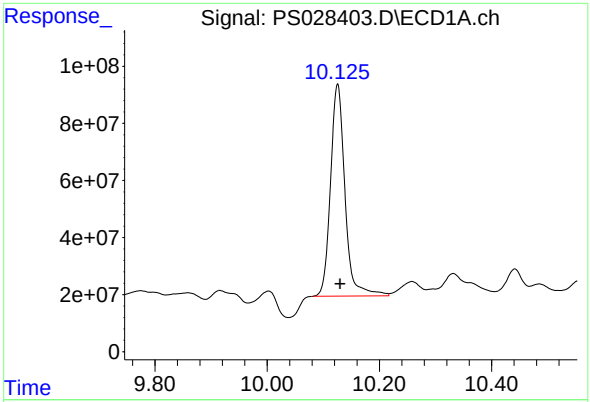
#12 2,4,5-T

R.T.: 9.548 min
Delta R.T.: -0.004 min
Response: 8604116650
Conc: 443.95 ng/ml



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: -0.004 min
Response: 4417252742
Conc: 425.72 ng/ml



#13 2,4-DB

R.T.: 10.125 min
Delta R.T.: -0.004 min
Response: 1327121534
Conc: 429.37 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

Manual Integrations APPROVED

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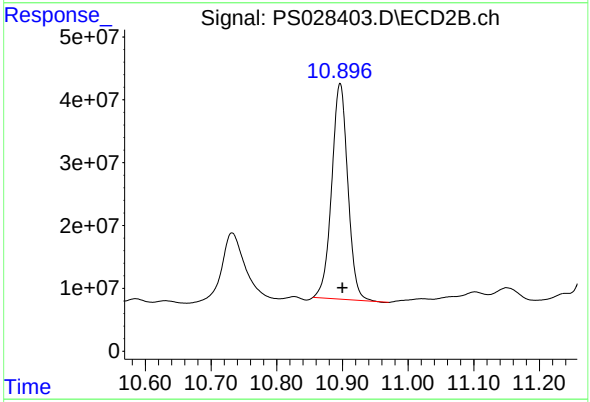
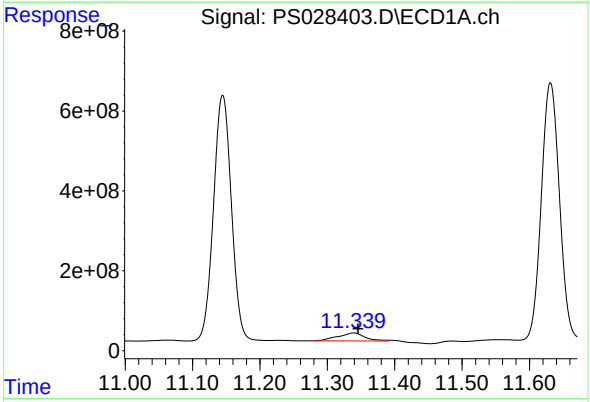


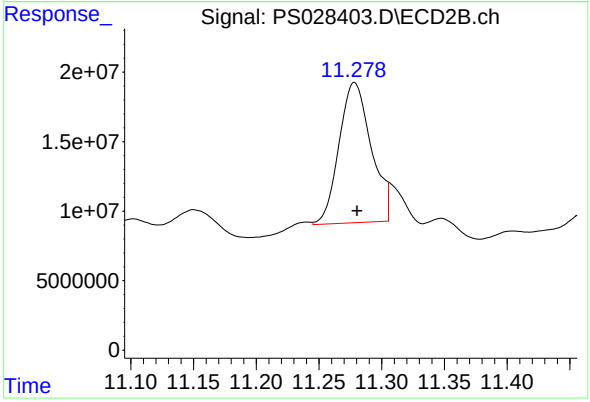
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: -0.004 min
Response: 582670423
Conc: 439.66 ng/ml



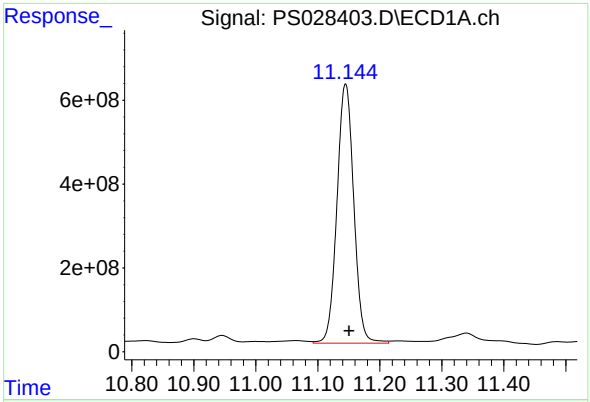
#14 DINOSEB

R.T.: 11.339 min
Delta R.T.: -0.006 min
Response: 555534008
Conc: 34.26 ng/ml m



#14 DINOSEB

R.T.: 11.278 min
Delta R.T.: -0.003 min
Response: 180986723
Conc: 25.22 ng/ml m



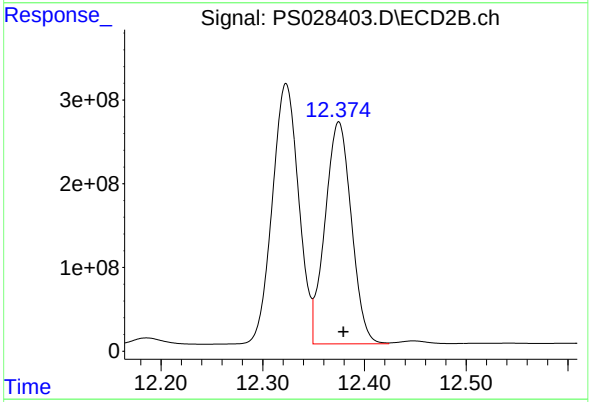
#15 Picloram

R.T.: 11.145 min
Delta R.T.: -0.006 min
Response: 11660700201
Conc: 371.29 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MS

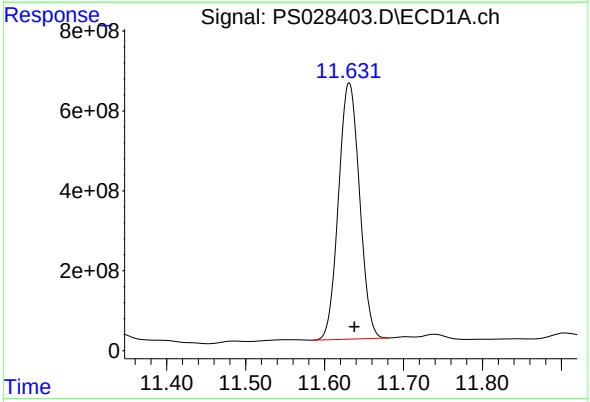
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



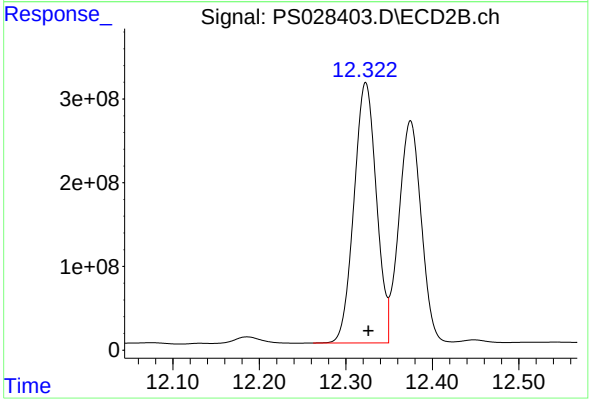
#15 Picloram

R.T.: 12.375 min
Delta R.T.: -0.004 min
Response: 4769714407
Conc: 331.40 ng/ml



#16 DCPA

R.T.: 11.631 min
Delta R.T.: -0.006 min
Response: 11848662220
Conc: 443.33 ng/ml



#16 DCPA

R.T.: 12.323 min
Delta R.T.: -0.003 min
Response: 5602016935
Conc: 499.73 ng/ml

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

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	10/23/24	
Project:	R36704		Date Received:	10/29/24	
Client Sample ID:	CC0R7MSD		SDG No.:	P4601	
Lab Sample ID:	P4601-38MSD		Matrix:	SOIL	
Analytical Method:	SW8151A		% Solid:	81.2	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Herbicide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	8151A				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS028404.D	1	10/31/24 10:00	11/11/24 15:45	PB164559

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	164		10.6	82.2	ug/Kg
120-36-5	DICHLORPROP	173		11.7	82.2	ug/Kg
94-75-7	2,4-D	313	P	14.9	82.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	298	P	11.5	82.2	ug/Kg
93-76-5	2,4,5-T	180		12.4	82.2	ug/Kg
94-82-6	2,4-DB	177		22.5	82.2	ug/Kg
88-85-7	DINOSEB	82.2	U	15.2	82.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	617		10 - 141	123%	SPK: 500

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 15:45
Operator : AR\AJ
Sample : P4601-38MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:18:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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	7.245	7.754	1703.8E6	822.6E6	617.153	516.258
	Target Compounds						
1) T	Dalapon	2.645	2.705	859.6E6	782.5E6	240.912	275.938m
2) T	3,5-DICHL...	6.417	6.705	1544.1E6	813.4E6	385.886	343.325
3) T	4-Nitroph...	7.046	7.278	513.1E6	294.8E6	276.710	278.364m
5) T	DICAMBA	7.435	7.954	4823.7E6	2672.2E6	400.615	372.723
6) T	MCPP	7.616	8.054	297.4E6	217.7E6	36.367	37.063
7) T	MCPA	7.768	8.299	551.9E6	410.4E6	49.224	51.257
8) T	DICHLORPROP	8.145	8.670	1314.4E6	692.4E6	424.049	388.685
9) T	2,4-D	8.375	9.003	2018.3E6	1479.3E6	574.319	764.951 #
10) T	Pentachlo...	8.675	9.531	10367.4E6	5194.7E6	230.172	208.481
11) T	2,4,5-TP ...	9.256	9.913	7317.0E6	7716.9E6	386.550	728.541 #
12) T	2,4,5-T	9.548	10.329	8548.7E6	4386.4E6	441.086	422.743
13) T	2,4-DB	10.125	10.896	1319.2E6	573.1E6	426.795	432.447
14) T	DINOSEB	11.340	11.277	564.8E6	190.7E6	34.835m	26.567m
15) T	Picloram	11.145	12.374	11533.1E6	4718.7E6	367.225	327.861
16) T	DCPA	11.631	12.322	11722.2E6	5505.8E6	438.600	491.141

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

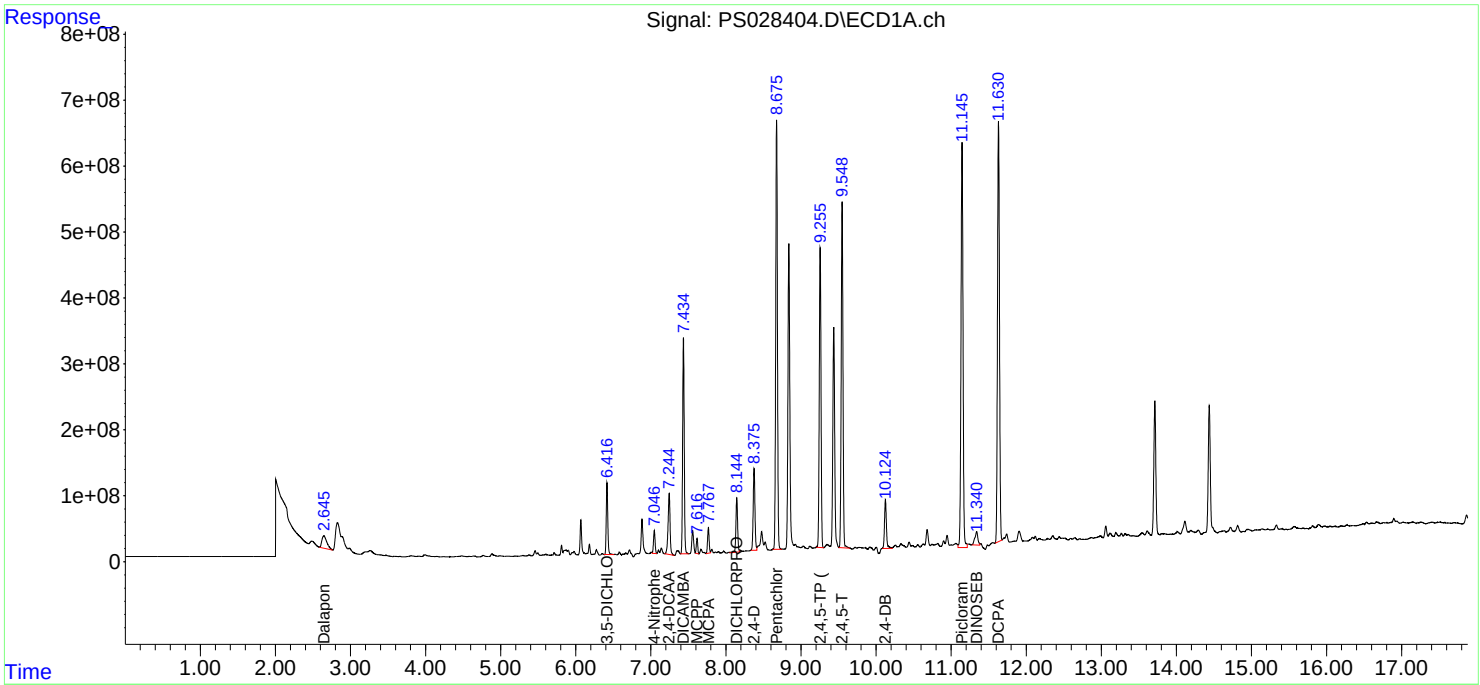
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS111124\
Data File : PS028404.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Nov 2024 15:45
Operator : AR\AJ
Sample : P4601-38MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

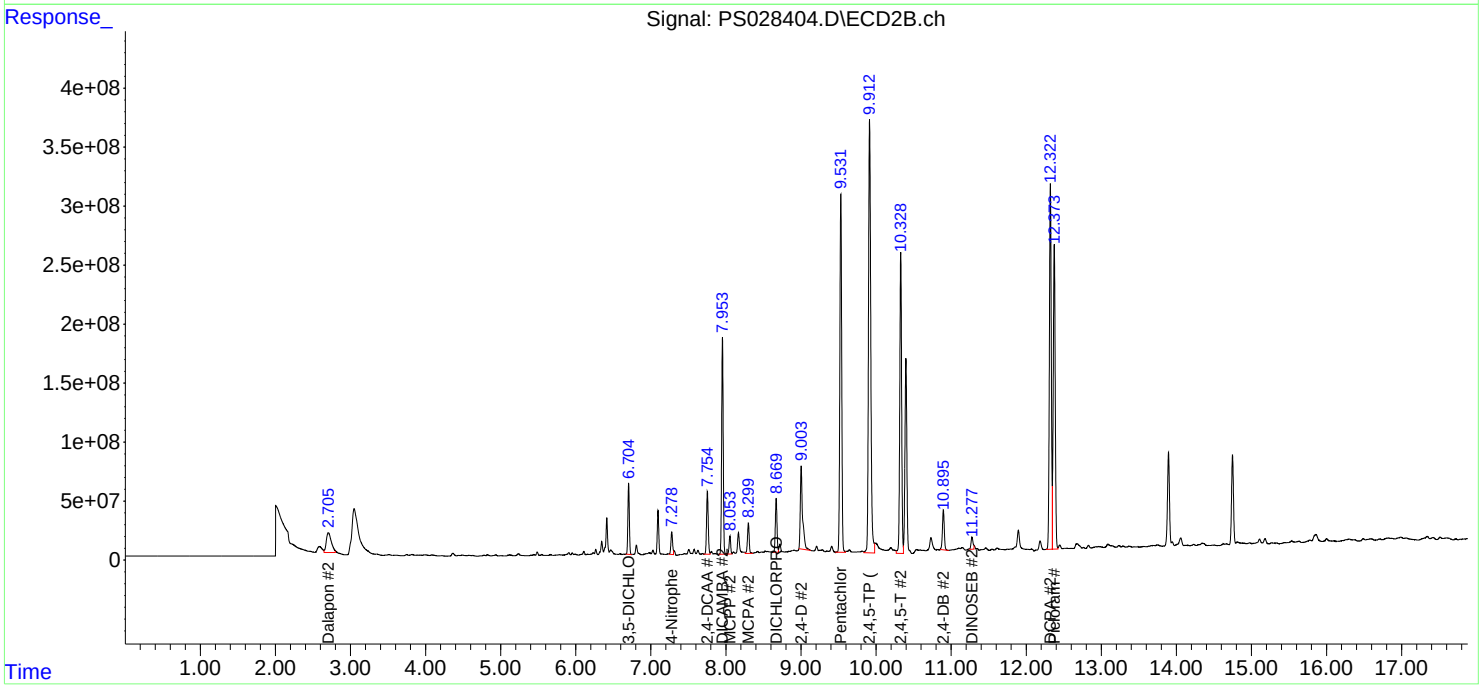
Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

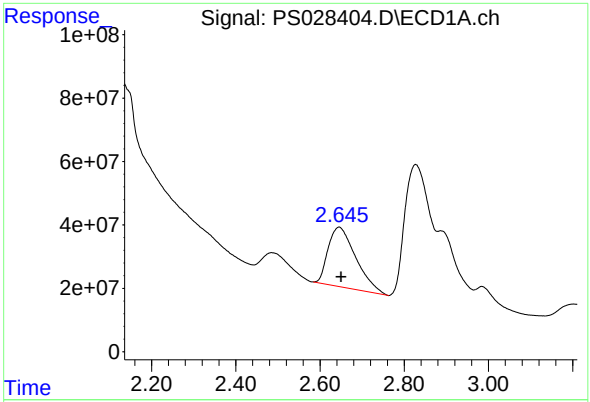
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 11 23:18:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS110924.M
Quant Title : 8080.M
QLast Update : Fri Nov 08 17:46:43 2024
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.: 2.645 min
Delta R.T.: -0.005 min
Response: 859604525
Conc: 240.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
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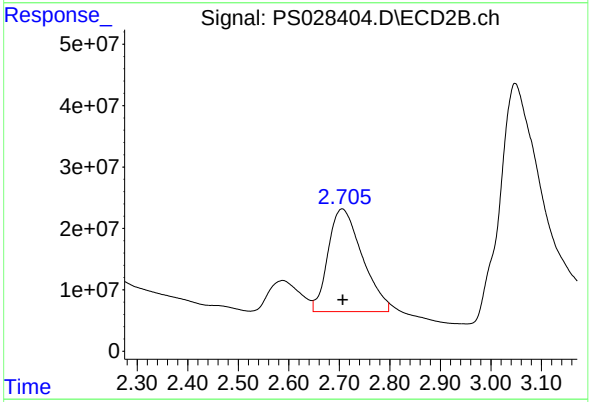
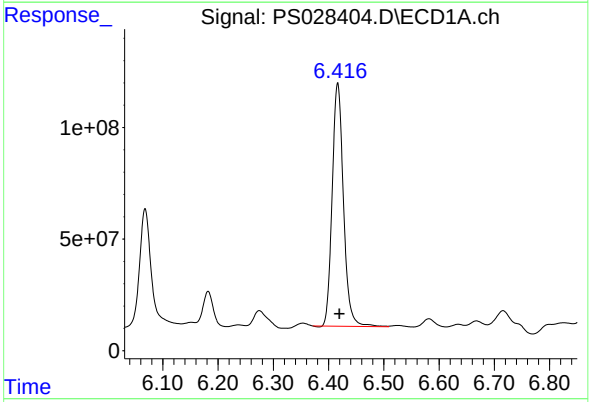


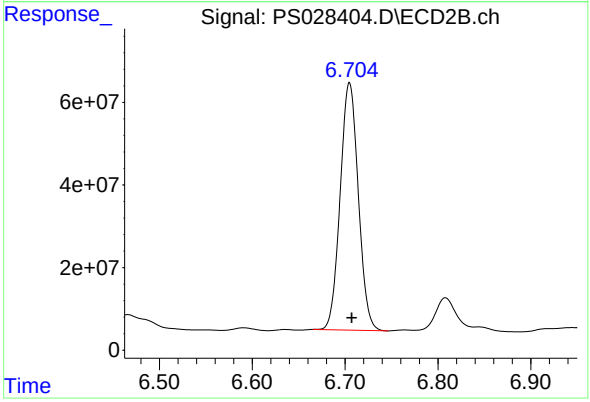
#1 Dalapon

R.T.: 2.705 min
Delta R.T.: -0.002 min
Response: 782467689
Conc: 275.94 ng/ml m



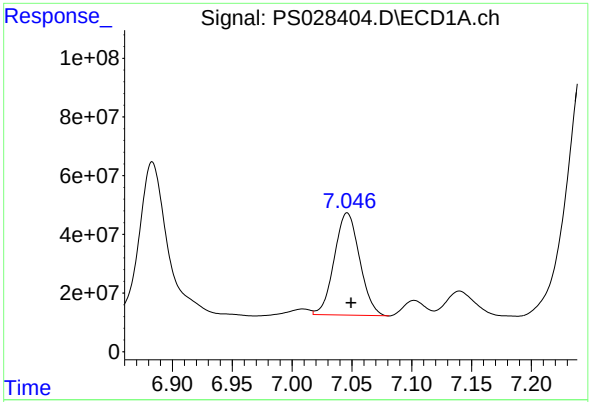
#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.417 min
Delta R.T.: -0.003 min
Response: 1544076853
Conc: 385.89 ng/ml



#2 3,5-DICHLOROBENZOIC ACID

R.T.: 6.705 min
Delta R.T.: -0.002 min
Response: 813353219
Conc: 343.33 ng/ml



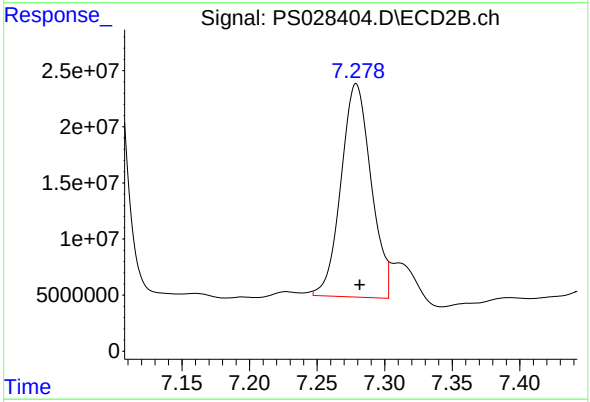
#3 4-Nitrophenol

R.T.: 7.046 min
Delta R.T.: -0.003 min
Response: 513083826
Conc: 276.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

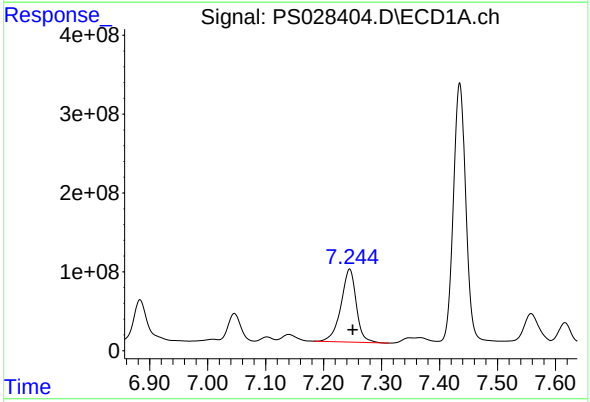
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



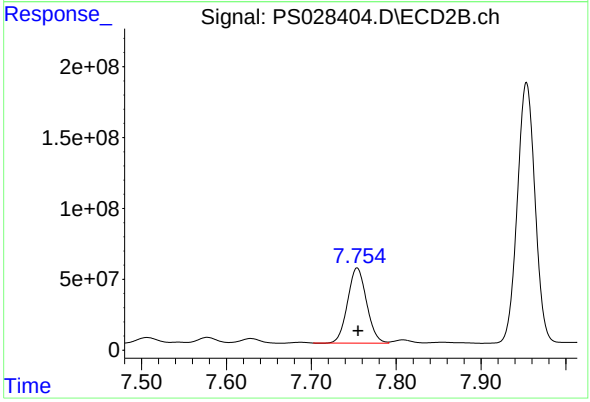
#3 4-Nitrophenol

R.T.: 7.278 min
Delta R.T.: -0.003 min
Response: 294788391
Conc: 278.36 ng/ml m



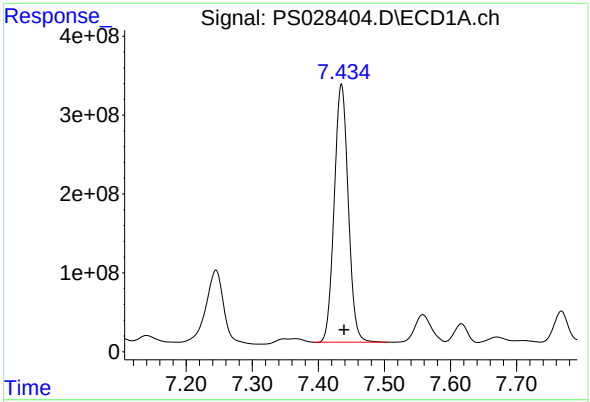
#4 2,4-DCAA

R.T.: 7.245 min
Delta R.T.: -0.005 min
Response: 1703808973
Conc: 617.15 ng/ml



#4 2,4-DCAA

R.T.: 7.754 min
Delta R.T.: -0.001 min
Response: 822616071
Conc: 516.26 ng/ml



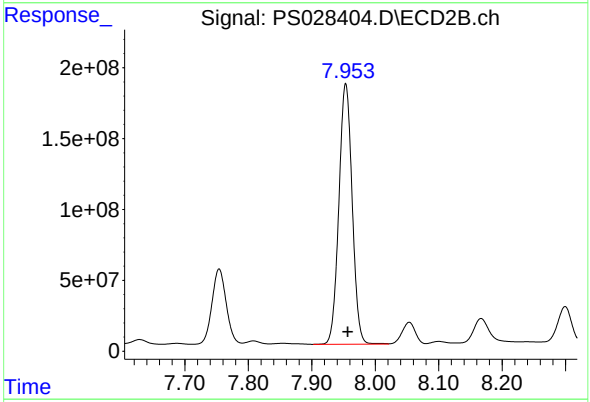
#5 DICAMBA

R.T.: 7.435 min
Delta R.T.: -0.004 min
Response: 4823705494
Conc: 400.62 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

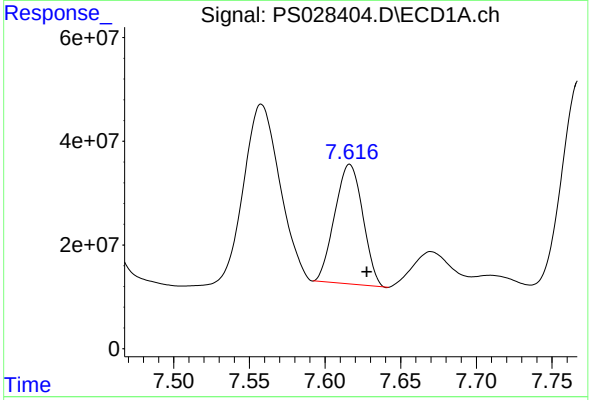
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



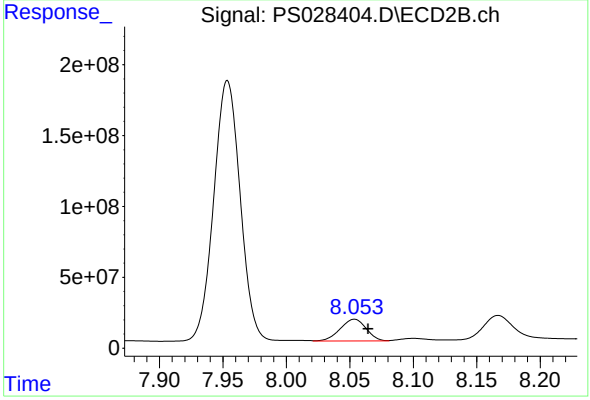
#5 DICAMBA

R.T.: 7.954 min
Delta R.T.: -0.003 min
Response: 2672240587
Conc: 372.72 ng/ml



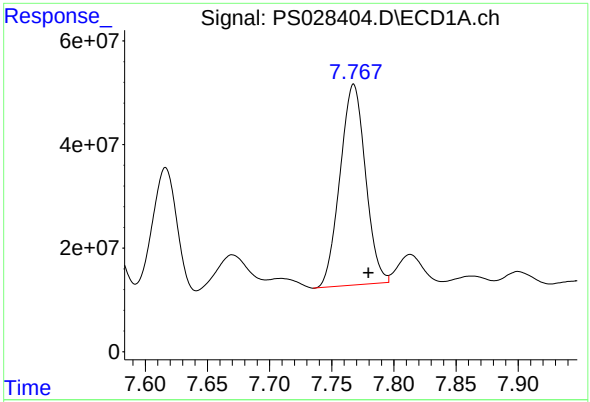
#6 MCPP

R.T.: 7.616 min
Delta R.T.: -0.011 min
Response: 297434246
Conc: 36.37 ug/ml



#6 MCPP

R.T.: 8.054 min
Delta R.T.: -0.011 min
Response: 217731717
Conc: 37.06 ug/ml



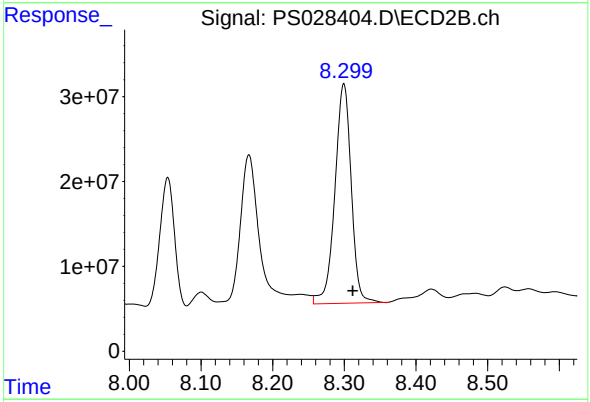
#7 MCPA

R.T.: 7.768 min
Delta R.T.: -0.012 min
Response: 551898084
Conc: 49.22 ug/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

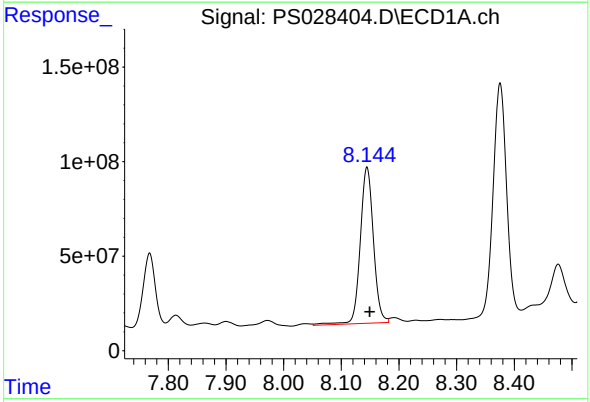
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



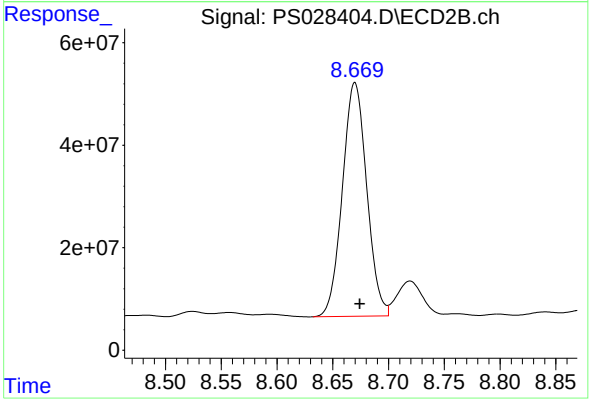
#7 MCPA

R.T.: 8.299 min
Delta R.T.: -0.012 min
Response: 410449103
Conc: 51.26 ug/ml



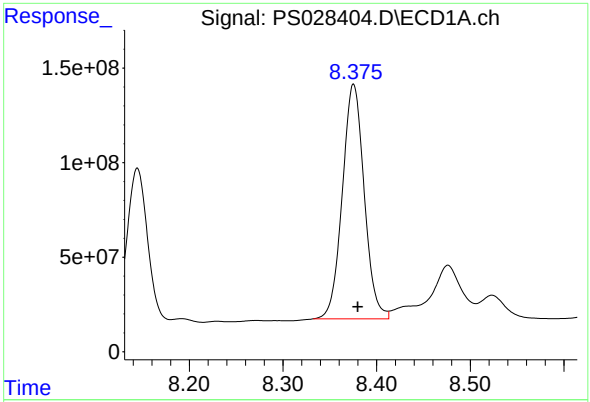
#8 DICHLORPROP

R.T.: 8.145 min
Delta R.T.: -0.004 min
Response: 1314398135
Conc: 424.05 ng/ml



#8 DICHLORPROP

R.T.: 8.670 min
Delta R.T.: -0.004 min
Response: 692351475
Conc: 388.69 ng/ml



#9 2,4-D

R.T.: 8.375 min
Delta R.T.: -0.004 min
Response: 2018276981
Conc: 574.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
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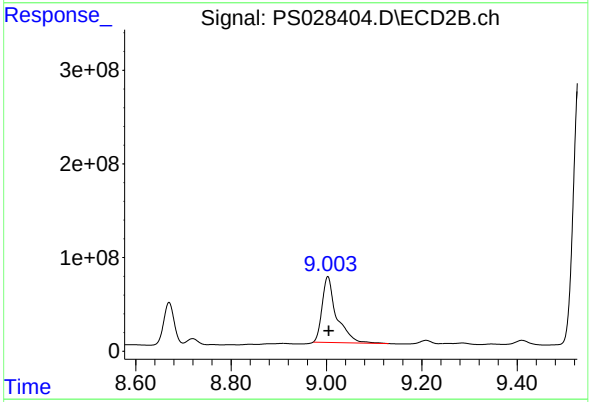
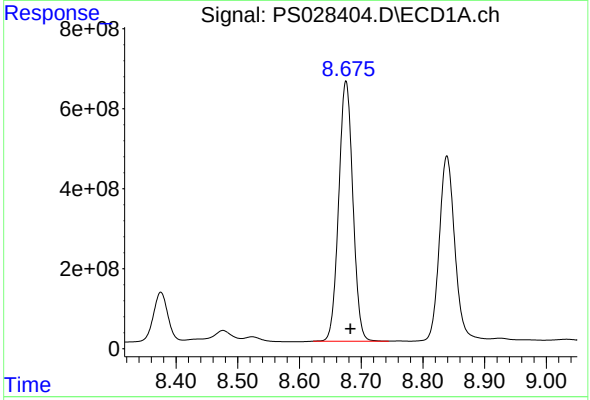


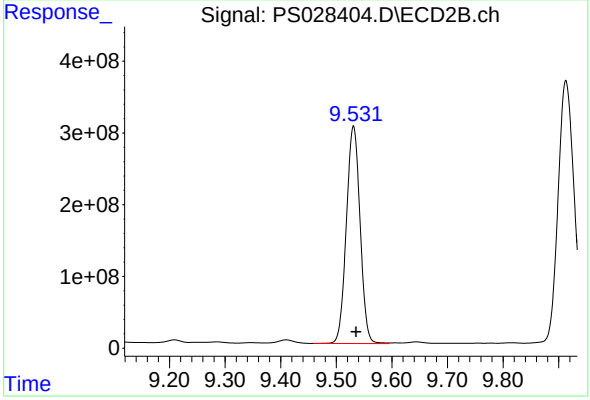
#9 2,4-D

R.T.: 9.003 min
Delta R.T.: -0.002 min
Response: 1479274284
Conc: 764.95 ng/ml



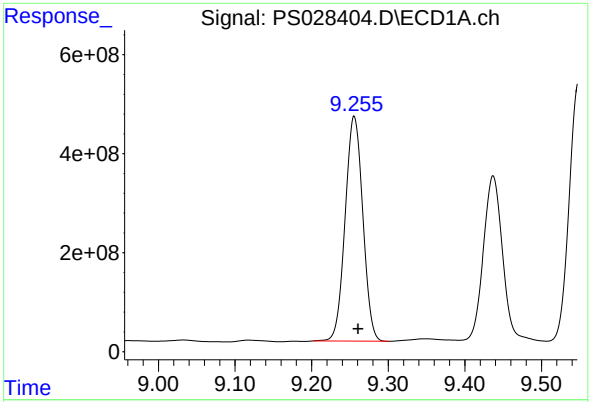
#10 Pentachlorophenol

R.T.: 8.675 min
Delta R.T.: -0.008 min
Response: 10367421875
Conc: 230.17 ng/ml



#10 Pentachlorophenol

R.T.: 9.531 min
Delta R.T.: -0.005 min
Response: 5194674001
Conc: 208.48 ng/ml



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

R.T.: 9.256 min
Delta R.T.: -0.005 min
Response: 7316990811
Conc: 386.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
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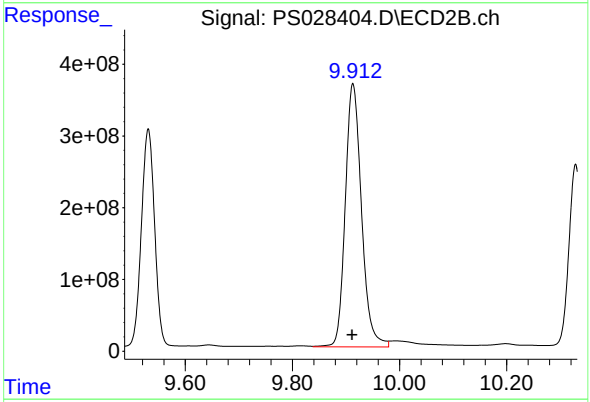
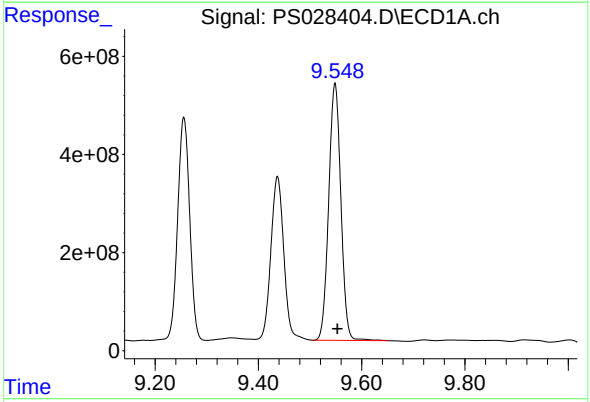


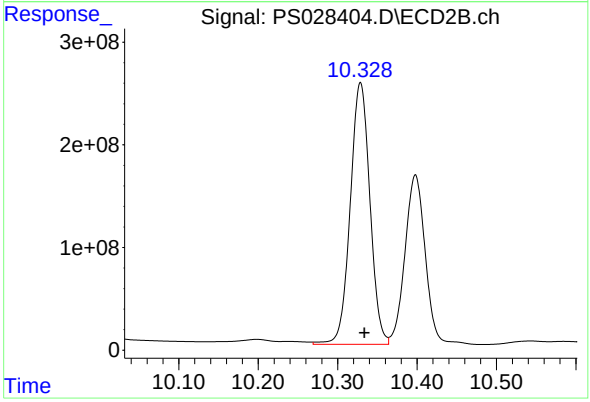
#11 2,4,5-TP (SILVEX)

R.T.: 9.913 min
Delta R.T.: 0.001 min
Response: 7716861307
Conc: 728.54 ng/ml



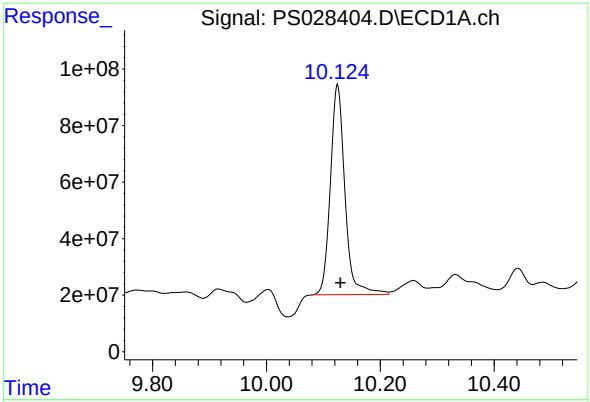
#12 2,4,5-T

R.T.: 9.548 min
Delta R.T.: -0.004 min
Response: 8548692361
Conc: 441.09 ng/ml



#12 2,4,5-T

R.T.: 10.329 min
Delta R.T.: -0.005 min
Response: 4386399591
Conc: 422.74 ng/ml



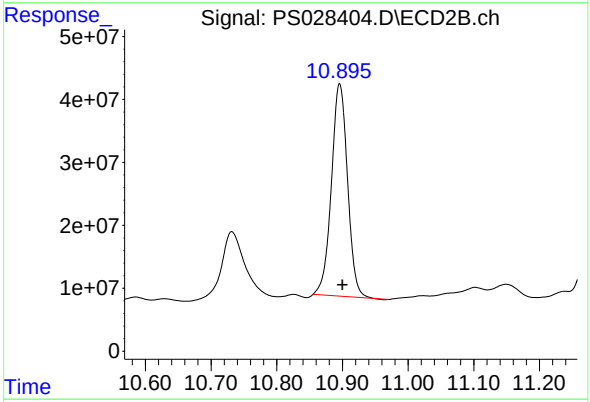
#13 2,4-DB

R.T.: 10.125 min
Delta R.T.: -0.005 min
Response: 1319175135
Conc: 426.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

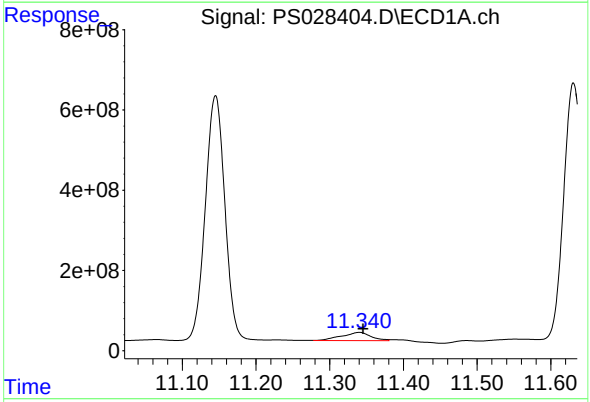
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



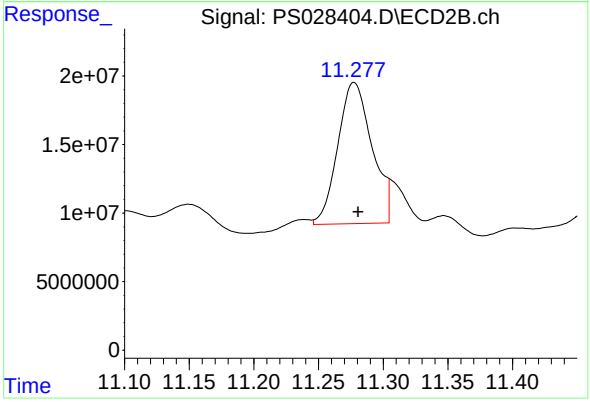
#13 2,4-DB

R.T.: 10.896 min
Delta R.T.: -0.004 min
Response: 573113755
Conc: 432.45 ng/ml



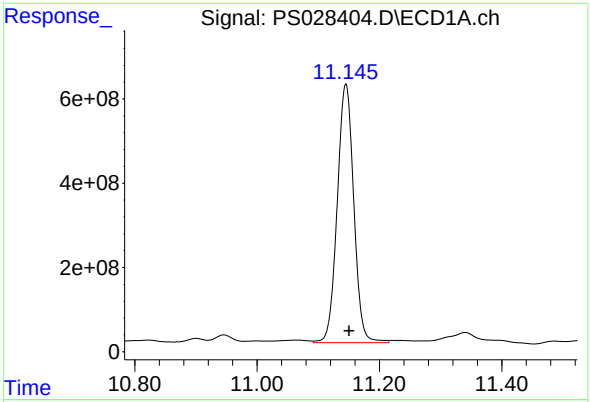
#14 DINOSEB

R.T.: 11.340 min
Delta R.T.: -0.006 min
Response: 564790064
Conc: 34.83 ng/ml m



#14 DINOSEB

R.T.: 11.277 min
Delta R.T.: -0.003 min
Response: 190679052
Conc: 26.57 ng/ml m



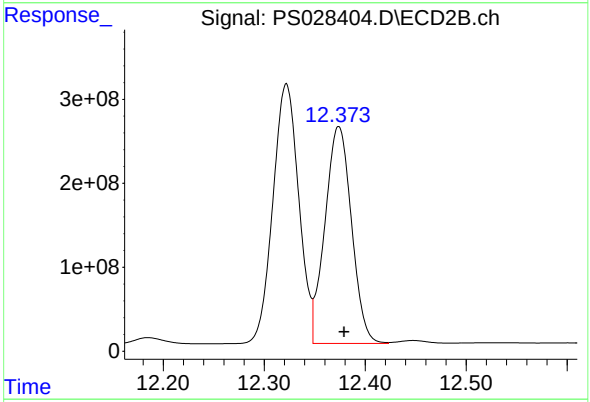
#15 Picloram

R.T.: 11.145 min
Delta R.T.: -0.005 min
Response: 11533069948
Conc: 367.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
CC0R7MSD

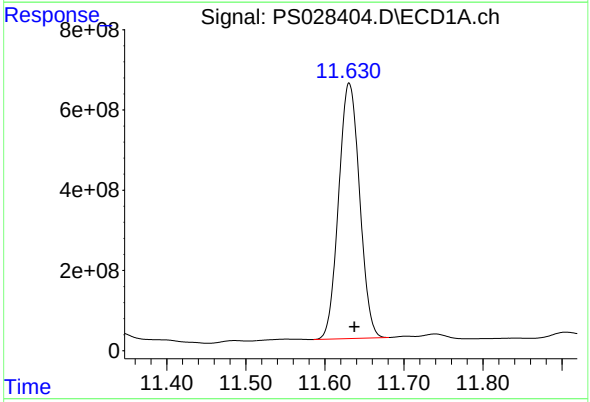
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 11/12/2024
Supervised By :Ankita Jodhani 11/12/2024



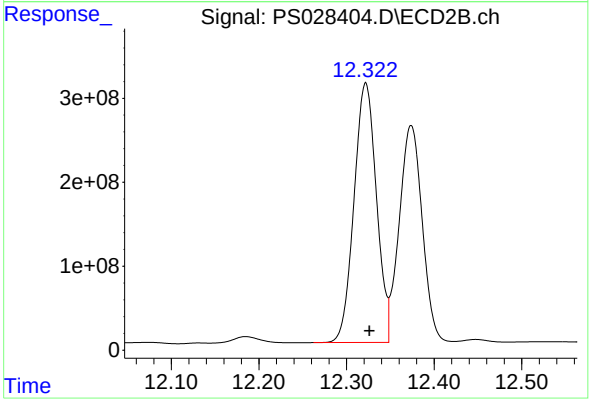
#15 Picloram

R.T.: 12.374 min
Delta R.T.: -0.005 min
Response: 4718744216
Conc: 327.86 ng/ml



#16 DCPA

R.T.: 11.631 min
Delta R.T.: -0.007 min
Response: 11722206811
Conc: 438.60 ng/ml



#16 DCPA

R.T.: 12.322 min
Delta R.T.: -0.004 min
Response: 5505753751
Conc: 491.14 ng/ml

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Manual Integration Report

Sequence:	PS110624	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS028254.D	2,4-DCAA	Abdul	11/8/2024 10:55:51 AM	Ankita	11/8/2024 11:03:48	Peak Integrated by Software
HSTDICC1000	PS028256.D	2,4-DCAA	Abdul	11/8/2024 10:55:55 AM	Ankita	11/8/2024 11:03:51	Peak Integrated by Software
HSTDICV750	PS028258.D	2,4-DCAA	Abdul	11/8/2024 10:55:59 AM	Ankita	11/8/2024 11:03:53	Peak Integrated by Software
I.BLK	PS028271.D	2,4-DCAA	Abdul	11/8/2024 10:59:56 AM	Ankita	11/8/2024 11:04:10	Peak Integrated by Software
HSTDCCC750	PS028272.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	11/8/2024 11:00:02 AM	Ankita	11/8/2024 11:04:13	Peak Integrated by Software
I.BLK	PS028283.D	2,4-DCAA	Abdul	11/8/2024 10:57:34 AM	Ankita	11/8/2024 11:04:56	Peak Integrated by Software
HSTDCCC750	PS028284.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	11/8/2024 11:01:14 AM	Ankita	11/8/2024 11:04:58	Peak Integrated by Software
PB164559BL	PS028294.D	2,4-DCAA	Abdul	11/8/2024 10:58:00 AM	Ankita	11/8/2024 11:05:16	Peak Integrated by Software
PB164559BL	PS028294.D	2,4-DCAA #2	Abdul	11/8/2024 10:58:00 AM	Ankita	11/8/2024 11:05:16	Peak Integrated by Software
PB164559BS	PS028295.D	2,4-D	Abdul	11/8/2024 10:43:20 AM	Ankita	11/8/2024 10:46:45	Peak Integrated by Software
HSTDCCC750	PS028297.D	2,4-D	Abdul	11/8/2024 10:43:24 AM	Ankita	11/8/2024 10:46:46	Peak Integrated by Software
HSTDCCC750	PS028297.D	2,4-DCAA	Abdul	11/8/2024 10:43:24 AM	Ankita	11/8/2024 10:46:46	Peak Integrated by Software
P4601-19	PS028298.D	2,4-DCAA #2	Abdul	11/8/2024 10:43:27 AM	Ankita	11/8/2024 10:46:48	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS110624	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4601-20	PS028299.D	2,4-DCAA	Abdul	11/8/2024 10:43:31 AM	Ankita	11/8/2024 10:46:50	Peak Integrated by Software
P4601-20	PS028299.D	2,4-DCAA #2	Abdul	11/8/2024 10:43:31 AM	Ankita	11/8/2024 10:46:50	Peak Integrated by Software
P4601-21	PS028300.D	2,4-DCAA	Abdul	11/8/2024 10:58:17 AM	Ankita	11/8/2024 11:05:36	Peak Integrated by Software
P4601-21	PS028300.D	2,4-DCAA #2	Abdul	11/8/2024 10:58:17 AM	Ankita	11/8/2024 11:05:36	Peak Integrated by Software
P4601-22	PS028301.D	2,4-DCAA	Abdul	11/8/2024 10:42:06 AM	Ankita	11/8/2024 10:46:51	Peak Integrated by Software
P4601-22	PS028301.D	2,4-DCAA #2	Abdul	11/8/2024 10:42:06 AM	Ankita	11/8/2024 10:46:51	Peak Integrated by Software
P4601-23	PS028302.D	2,4-DCAA	Abdul	11/8/2024 10:42:09 AM	Ankita	11/8/2024 10:46:53	Peak Integrated by Software
P4601-23	PS028302.D	2,4-DCAA #2	Abdul	11/8/2024 10:42:09 AM	Ankita	11/8/2024 10:46:53	Peak Integrated by Software
P4601-24	PS028303.D	2,4-DCAA #2	Abdul	11/8/2024 10:42:13 AM	Ankita	11/8/2024 10:46:54	Peak Integrated by Software
P4601-25	PS028304.D	2,4-DCAA	Abdul	11/8/2024 10:58:24 AM	Ankita	11/8/2024 11:05:38	Peak Integrated by Software
P4601-25	PS028304.D	2,4-DCAA #2	Abdul	11/8/2024 10:58:24 AM	Ankita	11/8/2024 11:05:38	Peak Integrated by Software
P4601-26	PS028305.D	2,4-DCAA	Abdul	11/8/2024 10:58:28 AM	Ankita	11/8/2024 11:05:39	Peak Integrated by Software
P4601-26	PS028305.D	2,4-DCAA #2	Abdul	11/8/2024 10:58:28 AM	Ankita	11/8/2024 11:05:39	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS110624	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4601-27	PS028306.D	2,4-DCAA	Abdul	11/8/2024 10:43:36 AM	Ankita	11/8/2024 10:46:56	Peak Integrated by Software
P4601-27	PS028306.D	2,4-DCAA #2	Abdul	11/8/2024 10:43:36 AM	Ankita	11/8/2024 10:46:56	Peak Integrated by Software
P4601-28	PS028307.D	2,4-DCAA	Abdul	11/8/2024 10:58:32 AM	Ankita	11/8/2024 11:05:41	Peak Integrated by Software
P4601-28	PS028307.D	2,4-DCAA #2	Abdul	11/8/2024 10:58:32 AM	Ankita	11/8/2024 11:05:41	Peak Integrated by Software
HSTDCCC750	PS028309.D	2,4,5-T	Abdul	11/8/2024 10:43:50 AM	Ankita	11/8/2024 10:46:57	Peak Integrated by Software
HSTDCCC750	PS028320.D	2,4,5-T	Abdul	11/8/2024 10:44:46 AM	Ankita	11/8/2024 10:46:10	Peak Integrated by Software
HSTDCCC750	PS028320.D	2,4-D	Abdul	11/8/2024 10:44:46 AM	Ankita	11/8/2024 10:46:10	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4,5-T	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4-D	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software
HSTDCCC750	PS028332.D	2,4-DCAA	Abdul	11/8/2024 10:59:13 AM	Ankita	11/8/2024 11:05:48	Peak Integrated by Software

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Manual Integration Report

Sequence:	PS110924	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC500	PS028357.D	2,4-DCAA	Abdul	11/11/2024 5:06:04 PM	Ankita	11/12/2024 8:58:43	Peak Integrated by Software
I.BLK	PS028362.D	2,4-DCAA	Abdul	11/11/2024 5:06:07 PM	Ankita	11/12/2024 8:58:45	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps111124	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS028394.D	2,4-DCAA	yogesh	11/12/2024 5:14:37 AM	Ankita	11/12/2024 9:00:00	Peak Integrated by Software
P4601-33	PS028399.D	2,4-DCAA #2	yogesh	11/12/2024 5:14:39 AM	Ankita	11/12/2024 9:00:02	Peak Integrated by Software
P4601-34	PS028400.D	2,4-DCAA #2	yogesh	11/12/2024 5:14:40 AM	Ankita	11/12/2024 9:00:03	Peak Integrated by Software
P4601-35	PS028401.D	2,4-DCAA	yogesh	11/12/2024 5:14:42 AM	Ankita	11/12/2024 9:00:06	Peak Integrated by Software
P4601-36	PS028402.D	2,4-DCAA #2	yogesh	11/12/2024 5:14:44 AM	Ankita	11/12/2024 9:00:07	Peak Integrated by Software
P4601-37MS	PS028403.D	4-Nitrophenol #2	yogesh	11/12/2024 5:14:46 AM	Ankita	11/12/2024 9:00:09	Peak Integrated by Software
P4601-37MS	PS028403.D	Dalapon #2	yogesh	11/12/2024 5:14:46 AM	Ankita	11/12/2024 9:00:09	Peak Integrated by Software
P4601-37MS	PS028403.D	DINOSEB	yogesh	11/12/2024 5:14:46 AM	Ankita	11/12/2024 9:00:09	Peak Integrated by Software
P4601-37MS	PS028403.D	DINOSEB #2	yogesh	11/12/2024 5:14:46 AM	Ankita	11/12/2024 9:00:09	Peak Integrated by Software
P4601-38MSD	PS028404.D	4-Nitrophenol #2	yogesh	11/12/2024 5:14:49 AM	Ankita	11/12/2024 9:00:10	Peak Integrated by Software
P4601-38MSD	PS028404.D	Dalapon #2	yogesh	11/12/2024 5:14:49 AM	Ankita	11/12/2024 9:00:10	Peak Integrated by Software
P4601-38MSD	PS028404.D	DINOSEB	yogesh	11/12/2024 5:14:49 AM	Ankita	11/12/2024 9:00:10	Peak Integrated by Software
P4601-38MSD	PS028404.D	DINOSEB #2	yogesh	11/12/2024 5:14:49 AM	Ankita	11/12/2024 9:00:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	ps111124	Instrument	ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS028406.D	2,4-D #2	Abdul	11/12/2024 3:48:55 PM	Ankita	11/12/2024 4:00:08	Peak Integrated by Software
HSTDCCC750	PS028418.D	2,4-DB #2	Abdul	11/12/2024 3:48:58 PM	Ankita	11/12/2024 4:00:10	Peak Integrated by Software
HSTDCCC750	PS028418.D	2,4-DCAA	Abdul	11/12/2024 3:48:58 PM	Ankita	11/12/2024 4:00:10	Peak Integrated by Software
HSTDCCC750	PS028442.D	2,4-D #2	Abdul	11/12/2024 3:50:02 PM	Ankita	11/12/2024 4:00:20	Peak Integrated by Software
HSTDCCC750	PS028442.D	2,4-DB #2	Abdul	11/12/2024 3:50:02 PM	Ankita	11/12/2024 4:00:20	Peak Integrated by Software
HSTDCCC750	PS028442.D	4-Nitrophenol #2	Abdul	11/12/2024 3:50:02 PM	Ankita	11/12/2024 4:00:20	Peak Integrated by Software
HSTDCCC750	PS028442.D	DCPA	Abdul	11/12/2024 3:50:02 PM	Ankita	11/12/2024 4:00:20	Peak Integrated by Software
HSTDCCC750	PS028448.D	2,4-D #2	Abdul	11/12/2024 3:50:20 PM	Ankita	11/12/2024 4:00:24	Peak Integrated by Software
HSTDCCC750	PS028448.D	4-Nitrophenol #2	Abdul	11/12/2024 3:50:20 PM	Ankita	11/12/2024 4:00:24	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028251.D	06 Nov 2024 09:00	AR\AJ	Ok
2	I.BLK	PS028252.D	06 Nov 2024 09:24	AR\AJ	Ok
3	HSTDICC200	PS028253.D	06 Nov 2024 09:48	AR\AJ	Ok
4	HSTDICC500	PS028254.D	06 Nov 2024 10:12	AR\AJ	Ok,M
5	HSTDICC750	PS028255.D	06 Nov 2024 10:36	AR\AJ	Ok
6	HSTDICC1000	PS028256.D	06 Nov 2024 11:00	AR\AJ	Ok,M
7	HSTDICC1500	PS028257.D	06 Nov 2024 11:24	AR\AJ	Ok
8	HSTDICV750	PS028258.D	06 Nov 2024 11:48	AR\AJ	Ok,M
9	I.BLK	PS028259.D	06 Nov 2024 12:14	AR\AJ	Ok
10	HSTDCCC750	PS028260.D	06 Nov 2024 12:38	AR\AJ	Ok
11	P4643-09RE	PS028261.D	06 Nov 2024 13:02	AR\AJ	Confirms
12	PB164519BL	PS028262.D	06 Nov 2024 13:26	AR\AJ	Ok,M
13	PB164519BS	PS028263.D	06 Nov 2024 13:50	AR\AJ	Ok
14	PB164393TB	PS028264.D	06 Nov 2024 14:14	AR\AJ	Not Ok
15	P4578-06	PS028265.D	06 Nov 2024 15:23	AR\AJ	Ok,M
16	P4682-01	PS028266.D	06 Nov 2024 15:50	AR\AJ	Ok,M
17	P4667-01	PS028267.D	06 Nov 2024 16:14	AR\AJ	Ok,M
18	P4667-05	PS028268.D	06 Nov 2024 16:39	AR\AJ	Ok,M
19	P4667-09	PS028269.D	06 Nov 2024 17:03	AR\AJ	Ok,M
20	P4667-13	PS028270.D	06 Nov 2024 17:27	AR\AJ	Ok,M
21	I.BLK	PS028271.D	06 Nov 2024 17:51	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	HSTDCCC750	PS028272.D	06 Nov 2024 18:15	AR\AJ	Ok,M
23	P4679-01	PS028273.D	06 Nov 2024 18:39	AR\AJ	Ok,M
24	P4680-01	PS028274.D	06 Nov 2024 19:03	AR\AJ	Ok,M
25	P4680-05	PS028275.D	06 Nov 2024 19:27	AR\AJ	Ok,M
26	P4695-01	PS028276.D	06 Nov 2024 19:51	AR\AJ	Ok,M
27	P4693-01	PS028277.D	06 Nov 2024 20:15	AR\AJ	Ok,M
28	P4693-05	PS028278.D	06 Nov 2024 20:39	AR\AJ	Ok,M
29	P4711-01	PS028279.D	06 Nov 2024 21:03	AR\AJ	Ok,M
30	P4711-06	PS028280.D	06 Nov 2024 21:27	AR\AJ	Ok,M
31	P4719-01	PS028281.D	06 Nov 2024 21:51	AR\AJ	Ok,M
32	PB164703BL	PS028282.D	06 Nov 2024 22:15	AR\AJ	Ok,M
33	I.BLK	PS028283.D	06 Nov 2024 22:39	AR\AJ	Ok,M
34	HSTDCCC750	PS028284.D	06 Nov 2024 23:03	AR\AJ	Ok,M
35	PB164703BS	PS028285.D	06 Nov 2024 23:51	AR\AJ	Ok
36	PB164494BS	PS028286.D	07 Nov 2024 00:15	AR\AJ	Ok,M
37	PB164494BSD	PS028287.D	07 Nov 2024 00:39	AR\AJ	Ok,M
38	PB164578BS	PS028288.D	07 Nov 2024 01:04	AR\AJ	Ok,M
39	P4694-01	PS028289.D	07 Nov 2024 01:28	AR\AJ	Ok,M
40	P4694-05	PS028290.D	07 Nov 2024 01:52	AR\AJ	Ok,M
41	P4578-06MS	PS028291.D	07 Nov 2024 02:16	AR\AJ	Ok,M
42	P4578-06MSD	PS028292.D	07 Nov 2024 02:40	AR\AJ	Ok,M
43	P4578-08	PS028293.D	07 Nov 2024 03:04	AR\AJ	Ok,M
44	PB164559BL	PS028294.D	07 Nov 2024 03:28	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	PB164559BS	PS028295.D	07 Nov 2024 03:52	AR\AJ	Ok,M
46	I.BLK	PS028296.D	07 Nov 2024 04:16	AR\AJ	Ok
47	HSTDCCC750	PS028297.D	07 Nov 2024 04:40	AR\AJ	Ok,M
48	P4601-19	PS028298.D	07 Nov 2024 05:28	AR\AJ	Ok,M
49	P4601-20	PS028299.D	07 Nov 2024 05:52	AR\AJ	Ok,M
50	P4601-21	PS028300.D	07 Nov 2024 06:16	AR\AJ	Ok,M
51	P4601-22	PS028301.D	07 Nov 2024 06:40	AR\AJ	Ok,M
52	P4601-23	PS028302.D	07 Nov 2024 07:04	AR\AJ	Ok,M
53	P4601-24	PS028303.D	07 Nov 2024 07:28	AR\AJ	Ok,M
54	P4601-25	PS028304.D	07 Nov 2024 07:52	AR\AJ	Ok,M
55	P4601-26	PS028305.D	07 Nov 2024 08:16	AR\AJ	Ok,M
56	P4601-27	PS028306.D	07 Nov 2024 08:40	AR\AJ	Ok,M
57	P4601-28	PS028307.D	07 Nov 2024 09:04	AR\AJ	Ok,M
58	I.BLK	PS028308.D	07 Nov 2024 09:28	AR\AJ	Ok
59	HSTDCCC750	PS028309.D	07 Nov 2024 09:52	AR\AJ	Ok,M
60	P4660-03	PS028310.D	07 Nov 2024 10:16	AR\AJ	Ok
61	P4660-07	PS028311.D	07 Nov 2024 10:40	AR\AJ	Ok,M
62	P4660-11	PS028312.D	07 Nov 2024 11:04	AR\AJ	Ok,M
63	P4660-03MS	PS028313.D	07 Nov 2024 11:28	AR\AJ	Ok,M
64	P4660-03MSD	PS028314.D	07 Nov 2024 11:52	AR\AJ	Ok,M
65	PB164752BL	PS028315.D	07 Nov 2024 12:16	AR\AJ	Ok,M
66	PB164752BS	PS028316.D	07 Nov 2024 12:40	AR\AJ	Ok
67	PB164560TB	PS028317.D	07 Nov 2024 13:04	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

68	P4368-07	PS028318.D	07 Nov 2024 13:28	AR\AJ	Ok,M
69	I.BLK	PS028319.D	07 Nov 2024 13:52	AR\AJ	Ok
70	HSTDCCC750	PS028320.D	07 Nov 2024 14:16	AR\AJ	Ok,M
71	P4601-29	PS028321.D	07 Nov 2024 14:40	AR\AJ	Not Ok
72	P4601-30	PS028322.D	07 Nov 2024 15:05	AR\AJ	Not Ok
73	P4601-31	PS028323.D	07 Nov 2024 15:29	AR\AJ	Not Ok
74	P4601-32	PS028324.D	07 Nov 2024 15:53	AR\AJ	Not Ok
75	P4601-33	PS028325.D	07 Nov 2024 16:17	AR\AJ	Not Ok
76	P4601-34	PS028326.D	07 Nov 2024 16:41	AR\AJ	Not Ok
77	P4601-35	PS028327.D	07 Nov 2024 17:05	AR\AJ	Not Ok
78	P4601-36	PS028328.D	07 Nov 2024 17:29	AR\AJ	Not Ok
79	P4601-37MS	PS028329.D	07 Nov 2024 17:53	AR\AJ	Not Ok
80	P4601-37MSD	PS028330.D	07 Nov 2024 18:17	AR\AJ	Not Ok
81	I.BLK	PS028331.D	07 Nov 2024 18:41	AR\AJ	Not Ok
82	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110924

Review By	Abdul	Review On	11/11/2024 5:07:36 PM		
Supervise By	Ankita	Supervise On	11/12/2024 8:59:40 AM		
SubDirectory	PS110924	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028354.D	08 Nov 2024 14:00	AR\AJ	Ok
2	I.BLK	PS028355.D	08 Nov 2024 14:25	AR\AJ	Ok
3	HSTDICC200	PS028356.D	08 Nov 2024 15:13	AR\AJ	Ok
4	HSTDICC500	PS028357.D	08 Nov 2024 15:46	AR\AJ	Ok,M
5	HSTDICC750	PS028358.D	08 Nov 2024 16:10	AR\AJ	Ok
6	HSTDICC1000	PS028359.D	08 Nov 2024 16:34	AR\AJ	Ok
7	HSTDICC1500	PS028360.D	08 Nov 2024 16:58	AR\AJ	Ok
8	HSTDICV750	PS028361.D	08 Nov 2024 17:22	AR\AJ	Ok
9	I.BLK	PS028362.D	08 Nov 2024 17:46	AR\AJ	Ok,M
10	HSTDCCC750	PS028363.D	08 Nov 2024 18:10	AR\AJ	Ok
11	P4700-01	PS028364.D	08 Nov 2024 18:34	AR\AJ	Ok,M
12	P4701-01	PS028365.D	08 Nov 2024 18:58	AR\AJ	Ok,M
13	P4701-05	PS028366.D	08 Nov 2024 19:22	AR\AJ	Ok
14	PB164754BL	PS028367.D	08 Nov 2024 19:46	AR\AJ	Ok
15	PB164754BS	PS028368.D	08 Nov 2024 20:10	AR\AJ	Ok,M
16	P4722-03	PS028369.D	08 Nov 2024 20:34	AR\AJ	Not Ok
17	P4722-08	PS028370.D	08 Nov 2024 20:58	AR\AJ	Ok,M
18	P4722-13	PS028371.D	08 Nov 2024 21:22	AR\AJ	Not Ok
19	P4739-01	PS028372.D	08 Nov 2024 21:46	AR\AJ	Ok,M
20	P4739-01MS	PS028373.D	08 Nov 2024 22:10	AR\AJ	Ok,M
21	P4739-01MSD	PS028374.D	08 Nov 2024 22:34	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110924

Review By	Abdul	Review On	11/11/2024 5:07:36 PM		
Supervise By	Ankita	Supervise On	11/12/2024 8:59:40 AM		
SubDirectory	PS110924	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4739-05	PS028375.D	08 Nov 2024 22:58	AR\AJ	Ok
23	P4739-09	PS028376.D	08 Nov 2024 23:22	AR\AJ	Ok,M
24	P4739-13	PS028377.D	08 Nov 2024 23:46	AR\AJ	Ok,M
25	I.BLK	PS028378.D	09 Nov 2024 00:10	AR\AJ	Ok
26	HSTDCCC750	PS028379.D	09 Nov 2024 00:34	AR\AJ	Ok
27	P4601-24RE	PS028380.D	09 Nov 2024 00:58	AR\AJ	Not Ok
28	P4601-25RE	PS028381.D	09 Nov 2024 01:22	AR\AJ	Not Ok
29	P4601-26RE	PS028382.D	09 Nov 2024 01:46	AR\AJ	Not Ok
30	P4602-43	PS028383.D	09 Nov 2024 02:10	AR\AJ	Not Ok
31	P4602-44MS	PS028384.D	09 Nov 2024 02:34	AR\AJ	Not Ok
32	P4602-45MSD	PS028385.D	09 Nov 2024 02:58	AR\AJ	Not Ok
33	P4602-40	PS028386.D	09 Nov 2024 03:22	AR\AJ	Not Ok
34	P4602-41MS	PS028387.D	09 Nov 2024 03:46	AR\AJ	Not Ok
35	P4602-42MSD	PS028388.D	09 Nov 2024 04:10	AR\AJ	Not Ok
36	PB164393TB	PS028389.D	09 Nov 2024 04:34	AR\AJ	Not Ok
37	I.BLK	PS028390.D	09 Nov 2024 04:58	AR\AJ	Not Ok
38	HSTDCCC750	PS028391.D	09 Nov 2024 05:22	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS028392.D	11 Nov 2024 10:00	AR\AJ	Ok
2	I.BLK	PS028393.D	11 Nov 2024 10:24	AR\AJ	Ok
3	HSTDCCC750	PS028394.D	11 Nov 2024 10:48	AR\AJ	Ok,M
4	P4601-29	PS028395.D	11 Nov 2024 12:05	AR\AJ	Ok
5	P4601-30	PS028396.D	11 Nov 2024 12:29	AR\AJ	Ok
6	P4601-31	PS028397.D	11 Nov 2024 12:56	AR\AJ	Ok
7	P4601-32	PS028398.D	11 Nov 2024 13:20	AR\AJ	Ok
8	P4601-33	PS028399.D	11 Nov 2024 13:44	AR\AJ	Ok,M
9	P4601-34	PS028400.D	11 Nov 2024 14:08	AR\AJ	Ok,M
10	P4601-35	PS028401.D	11 Nov 2024 14:32	AR\AJ	Ok,M
11	P4601-36	PS028402.D	11 Nov 2024 14:57	AR\AJ	Ok,M
12	P4601-37MS	PS028403.D	11 Nov 2024 15:21	AR\AJ	Ok,M
13	P4601-38MSD	PS028404.D	11 Nov 2024 15:45	AR\AJ	Ok,M
14	I.BLK	PS028405.D	11 Nov 2024 16:09	AR\AJ	Ok
15	HSTDCCC750	PS028406.D	11 Nov 2024 16:33	AR\AJ	Ok,M
16	P4602-43	PS028407.D	11 Nov 2024 16:57	AR\AJ	Ok
17	P4602-44MS	PS028408.D	11 Nov 2024 17:21	AR\AJ	Ok,M
18	P4602-45MSD	PS028409.D	11 Nov 2024 17:45	AR\AJ	Ok,M
19	P4602-40	PS028410.D	11 Nov 2024 18:10	AR\AJ	Ok
20	P4602-41MS	PS028411.D	11 Nov 2024 18:34	AR\AJ	Ok,M
21	P4602-42MSD	PS028412.D	11 Nov 2024 18:58	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PB164393TB	PS028413.D	11 Nov 2024 19:22	AR\AJ	Ok
23	PB164725BL	PS028414.D	11 Nov 2024 19:46	AR\AJ	Ok
24	PB164725BS	PS028415.D	11 Nov 2024 20:10	AR\AJ	Ok,M
25	P4602-19	PS028416.D	11 Nov 2024 20:34	AR\AJ	Ok,M
26	I.BLK	PS028417.D	11 Nov 2024 20:58	AR\AJ	Ok
27	HSTDCCC750	PS028418.D	11 Nov 2024 21:22	AR\AJ	Ok,M
28	P4602-21	PS028419.D	11 Nov 2024 21:46	AR\AJ	Ok,M
29	P4602-22	PS028420.D	11 Nov 2024 22:10	AR\AJ	Ok,M
30	P4602-23	PS028421.D	11 Nov 2024 22:34	AR\AJ	Ok
31	P4602-24	PS028422.D	11 Nov 2024 22:58	AR\AJ	Ok,M
32	P4602-25	PS028423.D	11 Nov 2024 23:22	AR\AJ	Ok,M
33	P4602-26	PS028424.D	11 Nov 2024 23:46	AR\AJ	Ok,M
34	P4602-27	PS028425.D	12 Nov 2024 00:10	AR\AJ	Ok,M
35	P4602-28	PS028426.D	12 Nov 2024 00:34	AR\AJ	Not Ok
36	P4602-29	PS028427.D	12 Nov 2024 00:58	AR\AJ	Ok,M
37	P4602-30	PS028428.D	12 Nov 2024 01:23	AR\AJ	Ok,M
38	I.BLK	PS028429.D	12 Nov 2024 01:47	AR\AJ	Ok
39	HSTDCCC750	PS028430.D	12 Nov 2024 02:11	AR\AJ	Ok
40	P4602-33	PS028431.D	12 Nov 2024 02:35	AR\AJ	Ok,M
41	P4602-34	PS028432.D	12 Nov 2024 02:59	AR\AJ	Ok,M
42	P4602-31	PS028433.D	12 Nov 2024 03:23	AR\AJ	Ok,M
43	P4602-32	PS028434.D	12 Nov 2024 03:47	AR\AJ	Ok,M
44	P4602-37	PS028435.D	12 Nov 2024 04:11	AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	P4602-38MS	PS028436.D	12 Nov 2024 04:35	AR\AJ	Ok,M
46	P4602-39MSD	PS028437.D	12 Nov 2024 04:59	AR\AJ	Ok,M
47	P4722-03	PS028438.D	12 Nov 2024 05:23	AR\AJ	Ok
48	P4722-13	PS028439.D	12 Nov 2024 05:47	AR\AJ	Ok
49	P4738-02	PS028440.D	12 Nov 2024 06:11	AR\AJ	Ok
50	I.BLK	PS028441.D	12 Nov 2024 06:35	AR\AJ	Ok
51	HSTDCCC750	PS028442.D	12 Nov 2024 06:59	AR\AJ	Ok,M
52	P4789-01	PS028443.D	12 Nov 2024 07:23	AR\AJ	Ok
53	P4792-03	PS028444.D	12 Nov 2024 07:47	AR\AJ	Ok
54	P4738-02	PS028445.D	12 Nov 2024 08:11	AR\AJ	Ok
55	P4602-28	PS028446.D	12 Nov 2024 09:04	AR\AJ	Ok,M
56	I.BLK	PS028447.D	12 Nov 2024 09:28	AR\AJ	Ok
57	HSTDCCC750	PS028448.D	12 Nov 2024 09:52	AR\AJ	Ok,M

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028251.D	06 Nov 2024 09:00		AR\AJ	Ok
2	I.BLK	I.BLK	PS028252.D	06 Nov 2024 09:24		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028253.D	06 Nov 2024 09:48		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS028254.D	06 Nov 2024 10:12		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS028255.D	06 Nov 2024 10:36		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028256.D	06 Nov 2024 11:00		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS028257.D	06 Nov 2024 11:24		AR\AJ	Ok
8	HSTDICV750	ICVPS110624	PS028258.D	06 Nov 2024 11:48		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS028259.D	06 Nov 2024 12:14		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS028260.D	06 Nov 2024 12:38		AR\AJ	Ok
11	P4643-09RE	TP-9RE	PS028261.D	06 Nov 2024 13:02	Surrogate fail	AR\AJ	Confirms
12	PB164519BL	PB164519BL	PS028262.D	06 Nov 2024 13:26		AR\AJ	Ok,M
13	PB164519BS	PB164519BS	PS028263.D	06 Nov 2024 13:50		AR\AJ	Ok
14	PB164393TB	PB164393TB	PS028264.D	06 Nov 2024 14:14	Surrogate Fail	AR\AJ	Not Ok
15	P4578-06	WB-305-BOT	PS028265.D	06 Nov 2024 15:23		AR\AJ	Ok,M
16	P4682-01	BELL-SHOP-RAGS	PS028266.D	06 Nov 2024 15:50		AR\AJ	Ok,M
17	P4667-01	BP-F-6	PS028267.D	06 Nov 2024 16:14		AR\AJ	Ok,M
18	P4667-05	BP-F-5	PS028268.D	06 Nov 2024 16:39		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4667-09	TP-10	PS028269.D	06 Nov 2024 17:03		AR\AJ	Ok,M
20	P4667-13	BP-F-7	PS028270.D	06 Nov 2024 17:27		AR\AJ	Ok,M
21	I.BLK	I.BLK	PS028271.D	06 Nov 2024 17:51		AR\AJ	Ok,M
22	HSTDCCC750	HSTDCCC750	PS028272.D	06 Nov 2024 18:15		AR\AJ	Ok,M
23	P4679-01	MH-1	PS028273.D	06 Nov 2024 18:39		AR\AJ	Ok,M
24	P4680-01	BP-F26	PS028274.D	06 Nov 2024 19:03		AR\AJ	Ok,M
25	P4680-05	BP-F25	PS028275.D	06 Nov 2024 19:27		AR\AJ	Ok,M
26	P4695-01	Z-01	PS028276.D	06 Nov 2024 19:51		AR\AJ	Ok,M
27	P4693-01	BP-G5-WC	PS028277.D	06 Nov 2024 20:15		AR\AJ	Ok,M
28	P4693-05	BP-G4-WC	PS028278.D	06 Nov 2024 20:39		AR\AJ	Ok,M
29	P4711-01	CF-613-COMP-16	PS028279.D	06 Nov 2024 21:03		AR\AJ	Ok,M
30	P4711-06	CF-613-COMP-17	PS028280.D	06 Nov 2024 21:27		AR\AJ	Ok,M
31	P4719-01	BAYAVE-STOCKPILE	PS028281.D	06 Nov 2024 21:51		AR\AJ	Ok,M
32	PB164703BL	PB164703BL	PS028282.D	06 Nov 2024 22:15		AR\AJ	Ok,M
33	I.BLK	I.BLK	PS028283.D	06 Nov 2024 22:39		AR\AJ	Ok,M
34	HSTDCCC750	HSTDCCC750	PS028284.D	06 Nov 2024 23:03		AR\AJ	Ok,M
35	PB164703BS	PB164703BS	PS028285.D	06 Nov 2024 23:51		AR\AJ	Ok
36	PB164494BS	PB164494BS	PS028286.D	07 Nov 2024 00:15		AR\AJ	Ok,M
37	PB164494BSD	PB164494BSD	PS028287.D	07 Nov 2024 00:39		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164578BS	PB164578BS	PS028288.D	07 Nov 2024 01:04		AR\AJ	Ok,M
39	P4694-01	Z-03A	PS028289.D	07 Nov 2024 01:28		AR\AJ	Ok,M
40	P4694-05	Z-04	PS028290.D	07 Nov 2024 01:52		AR\AJ	Ok,M
41	P4578-06MS	WB-305-BOTMS	PS028291.D	07 Nov 2024 02:16	Some compound recovery fail	AR\AJ	Ok,M
42	P4578-06MSD	WB-305-BOTMSD	PS028292.D	07 Nov 2024 02:40	Some compound recovery fail	AR\AJ	Ok,M
43	P4578-08	WB-305-BOT-1	PS028293.D	07 Nov 2024 03:04		AR\AJ	Ok,M
44	PB164559BL	PB164559BL	PS028294.D	07 Nov 2024 03:28		AR\AJ	Ok,M
45	PB164559BS	PB164559BS	PS028295.D	07 Nov 2024 03:52		AR\AJ	Ok,M
46	I.BLK	I.BLK	PS028296.D	07 Nov 2024 04:16		AR\AJ	Ok
47	HSTDCCC750	HSTDCCC750	PS028297.D	07 Nov 2024 04:40		AR\AJ	Ok,M
48	P4601-19	C0PI0	PS028298.D	07 Nov 2024 05:28		AR\AJ	Ok,M
49	P4601-20	C0PI2	PS028299.D	07 Nov 2024 05:52		AR\AJ	Ok,M
50	P4601-21	C0PI6	PS028300.D	07 Nov 2024 06:16		AR\AJ	Ok,M
51	P4601-22	C0PI8	PS028301.D	07 Nov 2024 06:40		AR\AJ	Ok,M
52	P4601-23	C0PI9	PS028302.D	07 Nov 2024 07:04		AR\AJ	Ok,M
53	P4601-24	CC0P1	PS028303.D	07 Nov 2024 07:28		AR\AJ	Ok,M
54	P4601-25	CC0P3	PS028304.D	07 Nov 2024 07:52		AR\AJ	Ok,M
55	P4601-26	CC0P5	PS028305.D	07 Nov 2024 08:16		AR\AJ	Ok,M
56	P4601-27	CC0P7	PS028306.D	07 Nov 2024 08:40		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	P4601-28	CC0P9	PS028307.D	07 Nov 2024 09:04		AR\AJ	Ok,M
58	I.BLK	I.BLK	PS028308.D	07 Nov 2024 09:28		AR\AJ	Ok
59	HSTDCCC750	HSTDCCC750	PS028309.D	07 Nov 2024 09:52		AR\AJ	Ok,M
60	P4660-03	WC-TA2-01-C	PS028310.D	07 Nov 2024 10:16		AR\AJ	Ok
61	P4660-07	WC-WOOD-01-C	PS028311.D	07 Nov 2024 10:40		AR\AJ	Ok,M
62	P4660-11	WC-CONCRETE-01-C	PS028312.D	07 Nov 2024 11:04		AR\AJ	Ok,M
63	P4660-03MS	WC-TA2-01-CMS	PS028313.D	07 Nov 2024 11:28		AR\AJ	Ok,M
64	P4660-03MSD	WC-TA2-01-CMSD	PS028314.D	07 Nov 2024 11:52		AR\AJ	Ok,M
65	PB164752BL	PB164752BL	PS028315.D	07 Nov 2024 12:16		AR\AJ	Ok,M
66	PB164752BS	PB164752BS	PS028316.D	07 Nov 2024 12:40		AR\AJ	Ok
67	PB164560TB	PB164560TB	PS028317.D	07 Nov 2024 13:04		AR\AJ	Ok,M
68	P4368-07	LOD-MDL-WATER-01-(	PS028318.D	07 Nov 2024 13:28		AR\AJ	Ok,M
69	I.BLK	I.BLK	PS028319.D	07 Nov 2024 13:52		AR\AJ	Ok
70	HSTDCCC750	HSTDCCC750	PS028320.D	07 Nov 2024 14:16		AR\AJ	Ok,M
71	P4601-29	CC0Q1	PS028321.D	07 Nov 2024 14:40	Closing CCC Fail	AR\AJ	Not Ok
72	P4601-30	CC0Q6	PS028322.D	07 Nov 2024 15:05	Closing CCC Fail	AR\AJ	Not Ok
73	P4601-31	CC0Q8	PS028323.D	07 Nov 2024 15:29	Closing CCC Fail	AR\AJ	Not Ok
74	P4601-32	CC0R3	PS028324.D	07 Nov 2024 15:53	Closing CCC Fail	AR\AJ	Not Ok
75	P4601-33	CC0R4	PS028325.D	07 Nov 2024 16:17	Closing CCC Fail	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110624

Review By	Abdul	Review On	11/8/2024 11:03:42 AM		
Supervise By	Ankita	Supervise On	11/8/2024 11:06:06 AM		
SubDirectory	PS110624	HP Acquire Method		HP Processing Method	ps110624 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

76	P4601-34	CC0R5	PS028326.D	07 Nov 2024 16:41	Closing CCC Fail	AR\AJ	Not Ok
77	P4601-35	CC0R6	PS028327.D	07 Nov 2024 17:05	Closing CCC Fail	AR\AJ	Not Ok
78	P4601-36	CC0R7	PS028328.D	07 Nov 2024 17:29	Closing CCC Fail	AR\AJ	Not Ok
79	P4601-37MS	CC0R7MS	PS028329.D	07 Nov 2024 17:53	Closing CCC Fail	AR\AJ	Not Ok
80	P4601-37MSD	CC0R7MSD	PS028330.D	07 Nov 2024 18:17	Closing CCC Fail	AR\AJ	Not Ok
81	I.BLK	I.BLK	PS028331.D	07 Nov 2024 18:41	Closing CCC Fail	AR\AJ	Not Ok
82	HSTDCCC750	HSTDCCC750	PS028332.D	07 Nov 2024 19:05	CCC Fail	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110924

Review By	Abdul	Review On	11/11/2024 5:07:36 PM		
Supervise By	Ankita	Supervise On	11/12/2024 8:59:40 AM		
SubDirectory	PS110924	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028354.D	08 Nov 2024 14:00		AR\AJ	Ok
2	I.BLK	I.BLK	PS028355.D	08 Nov 2024 14:25		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS028356.D	08 Nov 2024 15:13		AR\AJ	Ok
4	HSTDICC500	HSTDICC500	PS028357.D	08 Nov 2024 15:46		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS028358.D	08 Nov 2024 16:10		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS028359.D	08 Nov 2024 16:34		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS028360.D	08 Nov 2024 16:58		AR\AJ	Ok
8	HSTDICV750	ICVPS110924	PS028361.D	08 Nov 2024 17:22		AR\AJ	Ok
9	I.BLK	I.BLK	PS028362.D	08 Nov 2024 17:46		AR\AJ	Ok,M
10	HSTDCCC750	HSTDCCC750	PS028363.D	08 Nov 2024 18:10		AR\AJ	Ok
11	P4700-01	MH-8	PS028364.D	08 Nov 2024 18:34		AR\AJ	Ok,M
12	P4701-01	BP-F3	PS028365.D	08 Nov 2024 18:58		AR\AJ	Ok,M
13	P4701-05	BP-F4	PS028366.D	08 Nov 2024 19:22		AR\AJ	Ok
14	PB164754BL	PB164754BL	PS028367.D	08 Nov 2024 19:46		AR\AJ	Ok
15	PB164754BS	PB164754BS	PS028368.D	08 Nov 2024 20:10		AR\AJ	Ok,M
16	P4722-03	WC-1(0-6)	PS028369.D	08 Nov 2024 20:34	2,4-DCAA low in both column	AR\AJ	Not Ok
17	P4722-08	WC-2(0-6)	PS028370.D	08 Nov 2024 20:58		AR\AJ	Ok,M
18	P4722-13	WC-3(0-6)	PS028371.D	08 Nov 2024 21:22	2,4-DCAA Low in both column	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110924

Review By	Abdul	Review On	11/11/2024 5:07:36 PM		
Supervise By	Ankita	Supervise On	11/12/2024 8:59:40 AM		
SubDirectory	PS110924	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4739-01	TP-14	PS028372.D	08 Nov 2024 21:46		AR\AJ	Ok,M
20	P4739-01MS	TP-14MS	PS028373.D	08 Nov 2024 22:10	Some compound recovery fail	AR\AJ	Ok,M
21	P4739-01MSD	TP-14MSD	PS028374.D	08 Nov 2024 22:34	Some compound recovery fail	AR\AJ	Ok,M
22	P4739-05	BP-G2	PS028375.D	08 Nov 2024 22:58		AR\AJ	Ok
23	P4739-09	BP-B2	PS028376.D	08 Nov 2024 23:22		AR\AJ	Ok,M
24	P4739-13	TP-11	PS028377.D	08 Nov 2024 23:46		AR\AJ	Ok,M
25	I.BLK	I.BLK	PS028378.D	09 Nov 2024 00:10		AR\AJ	Ok
26	HSTDCCC750	HSTDCCC750	PS028379.D	09 Nov 2024 00:34		AR\AJ	Ok
27	P4601-24RE	CC0P1RE	PS028380.D	09 Nov 2024 00:58	Closing CCC fail,	AR\AJ	Not Ok
28	P4601-25RE	CC0P3RE	PS028381.D	09 Nov 2024 01:22	Closing CCC fail,	AR\AJ	Not Ok
29	P4601-26RE	CC0P5RE	PS028382.D	09 Nov 2024 01:46	Closing CCC fail,	AR\AJ	Not Ok
30	P4602-43	CC0R8	PS028383.D	09 Nov 2024 02:10	, Closing CCC fail	AR\AJ	Not Ok
31	P4602-44MS	CC0R8MS	PS028384.D	09 Nov 2024 02:34	Some compound recovery fail, Closing CCC fail	AR\AJ	Not Ok
32	P4602-45MSD	CC0R8MSD	PS028385.D	09 Nov 2024 02:58	Some compound recovery fail, Closing CCC fail	AR\AJ	Not Ok
33	P4602-40	CC0R6	PS028386.D	09 Nov 2024 03:22	Closing CCC fail	AR\AJ	Not Ok
34	P4602-41MS	CC0R6MS	PS028387.D	09 Nov 2024 03:46	Some compound recovery fail, Closing CCC fail	AR\AJ	Not Ok
35	P4602-42MSD	CC0R6MSD	PS028388.D	09 Nov 2024 04:10	Some compound recovery fail, RPD fail, Closing CCC fail	AR\AJ	Not Ok
36	PB164393TB	PB164393TB	PS028389.D	09 Nov 2024 04:34	Closing CCC fail	AR\AJ	Not Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS110924

Review By	Abdul	Review On	11/11/2024 5:07:36 PM		
Supervise By	Ankita	Supervise On	11/12/2024 8:59:40 AM		
SubDirectory	PS110924	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

37	I.BLK	I.BLK	PS028390.D	09 Nov 2024 04:58	Closing CCC fail	AR\AJ	Not Ok
38	HSTDCCC750	HSTDCCC750	PS028391.D	09 Nov 2024 05:22	CCC fail	AR\AJ	Not Ok

M : Manual Integration

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS028392.D	11 Nov 2024 10:00		AR\AJ	Ok
2	I.BLK	I.BLK	PS028393.D	11 Nov 2024 10:24		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS028394.D	11 Nov 2024 10:48		AR\AJ	Ok,M
4	P4601-29	CC0Q1	PS028395.D	11 Nov 2024 12:05		AR\AJ	Ok
5	P4601-30	CC0Q6	PS028396.D	11 Nov 2024 12:29		AR\AJ	Ok
6	P4601-31	CC0Q8	PS028397.D	11 Nov 2024 12:56		AR\AJ	Ok
7	P4601-32	CC0R3	PS028398.D	11 Nov 2024 13:20		AR\AJ	Ok
8	P4601-33	CC0R4	PS028399.D	11 Nov 2024 13:44		AR\AJ	Ok,M
9	P4601-34	CC0R5	PS028400.D	11 Nov 2024 14:08		AR\AJ	Ok,M
10	P4601-35	CC0R6	PS028401.D	11 Nov 2024 14:32		AR\AJ	Ok,M
11	P4601-36	CC0R7	PS028402.D	11 Nov 2024 14:57		AR\AJ	Ok,M
12	P4601-37MS	CC0R7MS	PS028403.D	11 Nov 2024 15:21	some comp. recovery fail	AR\AJ	Ok,M
13	P4601-38MSD	CC0R7MSD	PS028404.D	11 Nov 2024 15:45	some comp. recovery fail	AR\AJ	Ok,M
14	I.BLK	I.BLK	PS028405.D	11 Nov 2024 16:09		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS028406.D	11 Nov 2024 16:33		AR\AJ	Ok,M
16	P4602-43	CC0R8	PS028407.D	11 Nov 2024 16:57		AR\AJ	Ok
17	P4602-44MS	CC0R8MS	PS028408.D	11 Nov 2024 17:21		AR\AJ	Ok,M
18	P4602-45MSD	CC0R8MSD	PS028409.D	11 Nov 2024 17:45		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4602-40	CC0R6	PS028410.D	11 Nov 2024 18:10		AR\AJ	Ok
20	P4602-41MS	CC0R6MS	PS028411.D	11 Nov 2024 18:34		AR\AJ	Ok,M
21	P4602-42MSD	CC0R6MSD	PS028412.D	11 Nov 2024 18:58		AR\AJ	Ok,M
22	PB164393TB	PB164393TB	PS028413.D	11 Nov 2024 19:22		AR\AJ	Ok
23	PB164725BL	PB164725BL	PS028414.D	11 Nov 2024 19:46		AR\AJ	Ok
24	PB164725BS	PB164725BS	PS028415.D	11 Nov 2024 20:10		AR\AJ	Ok,M
25	P4602-19	C0P17	PS028416.D	11 Nov 2024 20:34		AR\AJ	Ok,M
26	I.BLK	I.BLK	PS028417.D	11 Nov 2024 20:58		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS028418.D	11 Nov 2024 21:22		AR\AJ	Ok,M
28	P4602-21	CC0P2	PS028419.D	11 Nov 2024 21:46		AR\AJ	Ok,M
29	P4602-22	CC0P4	PS028420.D	11 Nov 2024 22:10		AR\AJ	Ok,M
30	P4602-23	CC0P6	PS028421.D	11 Nov 2024 22:34		AR\AJ	Ok
31	P4602-24	CC0P8	PS028422.D	11 Nov 2024 22:58		AR\AJ	Ok,M
32	P4602-25	CC0Q0	PS028423.D	11 Nov 2024 23:22		AR\AJ	Ok,M
33	P4602-26	CC0Q2	PS028424.D	11 Nov 2024 23:46		AR\AJ	Ok,M
34	P4602-27	CC0Q3	PS028425.D	12 Nov 2024 00:10		AR\AJ	Ok,M
35	P4602-28	CC0Q4	PS028426.D	12 Nov 2024 00:34	injection error	AR\AJ	Not Ok
36	P4602-29	CC0Q5	PS028427.D	12 Nov 2024 00:58		AR\AJ	Ok,M
37	P4602-30	CC0Q7	PS028428.D	12 Nov 2024 01:23		AR\AJ	Ok,M

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	I.BLK	I.BLK	PS028429.D	12 Nov 2024 01:47		AR\AJ	Ok
39	HSTDCCC750	HSTDCCC750	PS028430.D	12 Nov 2024 02:11		AR\AJ	Ok
40	P4602-33	CC0R1	PS028431.D	12 Nov 2024 02:35		AR\AJ	Ok,M
41	P4602-34	CC0R2	PS028432.D	12 Nov 2024 02:59		AR\AJ	Ok,M
42	P4602-31	CC0Q9	PS028433.D	12 Nov 2024 03:23		AR\AJ	Ok,M
43	P4602-32	CC0R0	PS028434.D	12 Nov 2024 03:47		AR\AJ	Ok,M
44	P4602-37	CC0P0	PS028435.D	12 Nov 2024 04:11		AR\AJ	Ok,M
45	P4602-38MS	CC0P0MS	PS028436.D	12 Nov 2024 04:35	Some compound recovery fail	AR\AJ	Ok,M
46	P4602-39MSD	CC0P0MSD	PS028437.D	12 Nov 2024 04:59	Some compound recovery fail	AR\AJ	Ok,M
47	P4722-03	WC-1(0-6)	PS028438.D	12 Nov 2024 05:23		AR\AJ	Ok
48	P4722-13	WC-3(0-6)	PS028439.D	12 Nov 2024 05:47		AR\AJ	Ok
49	P4738-02	72-12018	PS028440.D	12 Nov 2024 06:11		AR\AJ	Ok
50	I.BLK	I.BLK	PS028441.D	12 Nov 2024 06:35		AR\AJ	Ok
51	HSTDCCC750	HSTDCCC750	PS028442.D	12 Nov 2024 06:59		AR\AJ	Ok,M
52	P4789-01	BP-F21	PS028443.D	12 Nov 2024 07:23		AR\AJ	Ok
53	P4792-03	OILY-STONE-DRUM	PS028444.D	12 Nov 2024 07:47		AR\AJ	Ok
54	P4738-02	72-12018	PS028445.D	12 Nov 2024 08:11		AR\AJ	Ok
55	P4602-28	CC0Q4	PS028446.D	12 Nov 2024 09:04		AR\AJ	Ok,M
56	I.BLK	I.BLK	PS028447.D	12 Nov 2024 09:28		AR\AJ	Ok

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Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS111124

Review By	yogesh	Review On	11/12/2024 5:16:17 AM		
Supervise By	Ankita	Supervise On	11/12/2024 9:00:51 AM		
SubDirectory	PS111124	HP Acquire Method		HP Processing Method	ps110924 8151

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	P23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469
CCC	PP23462
Internal Standard/PEM	
ICV/I.BLK	PP23469
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

57	HSTDCCC750	HSTDCCC750	PS028448.D	12 Nov 2024 09:52		AR\AJ	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4599-01	EX-1-TPH-1	1	1.15	8.84	9.99	8.33	81.2	
P4599-02	EX-1-TPH-2	2	1.15	8.38	9.53	8.01	81.9	
P4599-03	EX-1-TPH-3	3	1.18	8.79	9.97	8.64	84.9	
P4599-04	EX-1-TPH-4	4	1.19	8.75	9.94	8.75	86.4	
P4599-05	EX-1-TPH-5	5	1.12	8.86	9.98	8.57	84.1	
P4599-06	EX-1-TPH-6	6	1.17	8.61	9.78	8.25	82.2	
P4599-07	EX-1-TPH-7	7	1.18	8.66	9.84	8.34	82.7	
P4599-08	EX-1-TPH-8	8	1.18	8.66	9.84	8.49	84.4	
P4599-09	EX-1-TPH-9	9	1.15	8.81	9.96	8.94	88.4	
P4601-19	C0PI0	10	1.14	8.82	9.96	7.38	70.7	
P4601-20	C0PI2	11	1.18	8.42	9.6	9.15	94.7	
P4601-21	C0PI6	12	1.14	8.64	9.78	8.53	85.5	
P4601-22	C0PI8	13	1.15	8.84	9.99	8.31	81.0	
P4601-23	C0PI9	14	1.18	8.63	9.81	8.68	86.9	
P4601-24	CC0P1	15	1.13	8.70	9.83	9.42	95.3	
P4601-25	CC0P3	16	1.13	8.61	9.74	8.68	87.7	
P4601-26	CC0P5	17	1.17	8.55	9.72	8.77	88.9	
P4601-27	CC0P7	18	1.18	8.33	9.51	8.51	88.0	
P4601-28	CC0P9	19	1.15	8.56	9.71	8.71	88.3	
P4601-29	CC0Q1	20	1.17	8.53	9.7	8.68	88.0	
P4601-30	CC0Q6	21	1.16	8.69	9.85	9.22	92.8	
P4601-31	CC0Q8	22	1.16	8.50	9.66	8.35	84.6	
P4601-32	CC0R3	23	1.17	8.56	9.73	7.84	77.9	
P4601-33	CC0R4	24	1.16	8.42	9.58	7.19	71.6	
P4601-34	CC0R5	25	1.18	8.77	9.95	9.55	95.4	
P4601-35	CC0R6	26	1.14	8.62	9.76	9.25	94.1	
P4601-36	CC0R7	27	1.15	8.37	9.52	7.95	81.2	
P4601-37	P4601-36MS	28	1.15	8.37	9.52	7.95	81.2	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4601-38	P4601-36MSD	29	1.15	8.37	9.52	7.95	81.2	
P4602-19	C0P17	30	1.17	8.65	9.82	9.06	91.2	
P4602-21	CC0P2	31	1.15	8.78	9.93	9.58	96.0	
P4602-22	CC0P4	32	1.14	8.41	9.55	9.17	95.5	
P4602-23	CC0P6	33	1.14	8.64	9.78	9.11	92.2	
P4602-24	CC0P8	34	1.18	8.57	9.75	8.71	87.9	
P4602-25	CC0Q0	35	1.16	8.40	9.56	8.7	89.8	
P4602-26	CC0Q2	36	1.13	8.54	9.67	8.43	85.5	
P4602-27	CC0Q3	37	1.13	8.47	9.6	6.8	66.9	
P4602-28	CC0Q4	38	1.16	8.42	9.58	7.84	79.3	
P4602-29	CC0Q5	39	1.15	8.38	9.53	7.64	77.4	
P4602-30	CC0Q7	40	1.15	8.78	9.93	8.61	85.0	
P4602-31	CC0Q9	41	1.14	8.79	9.93	9.57	95.9	
P4602-32	CC0R0	42	1.13	8.83	9.96	8.82	87.1	
P4602-33	CC0R1	43	1.15	8.66	9.81	7.9	77.9	
P4602-34	CC0R2	44	1.15	8.64	9.79	7.53	73.8	
P4602-37	CC0P0	45	1.15	8.57	9.72	9.1	92.8	
P4602-38	P4602-38MS	46	1.15	8.57	9.72	9.1	92.8	
P4602-39	P4602-38MSD	47	1.15	8.57	9.72	9.1	92.8	
P4602-40	CC0R6	48	1.15	8.62	9.77	9.3	94.5	
P4602-41	P4602-40MS	49	1.15	8.62	9.77	9.3	94.5	
P4602-42	P4602-40MSD	50	1.15	8.62	9.77	9.3	94.5	
P4602-43	CC0R8	51	1.15	8.41	9.56	8.85	91.6	
P4602-44	P4602-43MS	52	1.15	8.41	9.56	8.85	91.6	
P4602-45	P4602-43MSD	53	1.15	8.41	9.56	8.85	91.6	
P4605-01	TAPIAL2-SED02-102824-00-T2	54	1.16	8.51	9.67	8.99	92.0	
P4605-02	TAPIAL2-SED01-102824-00-T2	55	1.15	8.46	9.61	8.41	85.8	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4605-03	TAPIAL3-SED01-102824-00-T2	56	1.17	8.61	9.78	8.85	89.2	
P4605-04	TAPHHA-SED01-102824-00-T2	57	1.15	8.43	9.58	8.32	85.1	
P4605-05	TAPHHA-SED02-102824-00-T2	58	1.15	8.65	9.8	5.88	54.7	
P4605-06	TAPLPR-SED11-102824-00-T2	59	1.16	8.50	9.66	7.76	77.6	
P4606-01	1	60	1.00	1.00	2.00	2.00	100.0	caluk
P4611-01	TP-1	61	1.18	8.80	9.98	9.52	94.8	
P4611-02	TP-1-E2	62	1.15	8.82	9.97	9.33	92.7	
P4611-04	TP-2	63	1.17	8.37	9.54	9.16	95.5	
P4611-05	TP-2-E2	64	1.12	8.45	9.57	9.33	97.2	
P4611-07	TP-3	65	1.15	8.47	9.62	9.35	96.8	
P4611-08	TP-3-E2	66	1.15	8.59	9.74	9.47	96.9	
P4611-10	TP-4	67	1.19	8.50	9.69	9.22	94.5	
P4611-11	TP-4-E2	68	1.16	8.50	9.66	9.24	95.1	
P4611-13	TP-5	69	1.14	8.58	9.72	9.33	95.5	
P4611-14	TP-5-E2	70	1.19	8.47	9.66	9.31	95.9	
P4611-16	TP-6	71	1.16	8.53	9.69	9.32	95.7	
P4611-17	TP-6-E2	72	1.15	8.63	9.78	9.39	95.5	
P4612-01	W029020-1-1	73	1.00	1.00	2.00	2.00	100.0	pilc
P4612-02	W029020-1-2	74	1.00	1.00	2.00	2.00	100.0	pilc
P4612-03	MOO-24-00335	75	1.15	8.54	9.69	9.38	96.4	
P4612-05	CONCRETE-PAD	76	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4613-01	ARS20-0001	77	1.17	8.71	9.88	8.88	88.5	
P4614-01	NB-07-102924	78	1.17	8.80	9.97	8.43	82.5	
P4614-02	NB-07-102924-E2	79	1.14	8.74	9.88	8.61	85.5	
P4616-01	BP-F10	80	1.18	8.80	9.98	9.22	91.4	
P4616-02	BP-F10-EPH	81	1.17	8.53	9.7	8.71	88.4	
P4616-05	BP-F9-MOVED	82	1.15	8.80	9.95	8.93	88.4	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/30/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 10/29/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 10/30/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133188

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4616-06	BP-F9-MOVED-EPH	83	1.16	8.67	9.83	8.83	88.5	
P4617-01	RO-SOIL	84	1.13	8.65	9.78	9.1	92.1	
P4617-02	RO-SOIL-E2	85	1.18	8.48	9.66	9.13	93.8	
P4617-03	CONCRETE-PILE	86	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
P4618-01	HR-01-102924	87	1.15	8.46	9.61	9.22	95.4	
P4618-02	HR-01-102924-E2	88	1.15	8.83	9.98	9.62	95.9	
P4618-03	HR-04-102924	89	1.15	8.69	9.84	9.5	96.1	
P4618-04	HR-04-102924-E2	90	1.14	8.61	9.75	9.46	96.6	
P4619-01	SU-03-102924	91	1.15	8.57	9.72	9.05	92.2	
P4619-02	SU-03-102924-E2	92	1.17	8.36	9.53	8.8	91.3	
P4619-03	SU-04-102924	93	1.17	8.70	9.87	8.86	88.4	
P4619-04	SU-04-102924-E2	94	1.13	8.47	9.6	8.67	89.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB133488

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4599-01	EX-1-TPH-1	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-02	EX-1-TPH-2	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-03	EX-1-TPH-3	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-04	EX-1-TPH-4	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-05	EX-1-TPH-5	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-06	EX-1-TPH-6	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-07	EX-1-TPH-7	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-08	EX-1-TPH-8	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4599-09	EX-1-TPH-9	Solid	Percent Solids	Cool 4 deg C	ENTA05	K63	10/28/2024	Chemtech -SO
P4601-19	C0PI0	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-20	C0PI2	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-21	C0PI6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-22	C0PI8	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-23	C0PI9	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-24	CC0P1	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-25	CC0P3	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-26	CC0P5	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-27	CC0P7	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-28	CC0P9	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-29	CC0Q1	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO
P4601-30	CC0Q6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/22/2024	Chemtech -SO

Date/Time 10/24/24 15:00

Raw Sample Received by: SD WC)

Raw Sample Relinquished by: CP Sm

Date/Time 10/24/24 17:10

Raw Sample Received by: CP Sm

Raw Sample Relinquished by: SD WC)

WORKLIST(Hardcopy Internal Chain)

VB 133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4601-31	CC0Q8	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-32	CC0R3	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-33	CC0R4	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-34	CC0R5	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-35	CC0R6	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-36	CC0R7	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-37	P4601-36MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4601-38	P4601-36MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4602-19	C0P17	Solid	Percent Solids	Cool 4 deg C	TETR16	K31	10/23/2024	Chemtech -SO
P4602-21	CC0P2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-22	CC0P4	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-23	CC0P6	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-24	CC0P8	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-25	CC0Q0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-26	CC0Q2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-27	CC0Q3	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-28	CC0Q4	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/22/2024	Chemtech -SO
P4602-29	CC0Q5	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-30	CC0Q7	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-31	CC0Q9	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-32	CC0R0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO

Date/Time 10/29/24 15:00

Raw Sample Received by: TBA WC

Raw Sample Relinquished by: CP Sm

Date/Time 10/29/24 17:10

Raw Sample Received by: CP Sm

Raw Sample Relinquished by: TBA WC

WORKLIST(Hardcopy Internal Chain)

133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4602-33	CC0R1	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-34	CC0R2	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-37	CC0P0	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-38	P4602-38MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-39	P4602-38MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-40	CC0R6	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-41	P4602-40MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-42	P4602-40MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-43	CC0R8	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-44	P4602-43MS	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4602-45	P4602-43MSD	Solid	Percent Solids	Cool 4 deg C	TETR16	K61	10/23/2024	Chemtech -SO
P4605-01	TAPIAL2-SED02-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-02	TAPIAL2-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-03	TAPIAL3-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-04	TAPHHA-SED01-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-05	TAPHHA-SED02-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4605-06	TAPLPR-SED11-102824-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K63	10/28/2024	Chemtech -SO
P4606-01	1	Solid	Percent Solids	Cool 4 deg C	ATCE02	K63	10/26/2024	Chemtech -SO
P4611-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-02	TP-1-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO

Date/Time 10/29/24 15:00

Raw Sample Received by: MWC

Raw Sample Relinquished by:

Date/Time 10/29/24 17:10

Raw Sample Received by:

Raw Sample Relinquished by: MWC

WS 133188

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4611-05	TP-2-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-07	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-08	TP-3-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-10	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-11	TP-4-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-13	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-14	TP-5-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-16	TP-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4611-17	TP-6-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-01	W029020-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-02	W029020-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-03	MOO-24-00335	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4612-05	CONCRETE-PAD	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4613-01	ARS20-0001	Solid	Percent Solids	Cool 4 deg C	PSEG03	K62	10/29/2024	Chemtech -SO
P4614-01	NB-07-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4614-02	NB-07-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4616-01	BP-F10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-02	BP-F10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-05	BP-F9-MOVED	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4616-06	BP-F9-MOVED-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4617-01	RO-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO

Date/Time 10/29/24 1510

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/29/24 1710

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

VB 133188

WorkList Name : %1-102924 **WorkList ID :** 184886 **Department :** Wet-Chemistry **Date :** 10-29-2024 08:07:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4617-02	RO-SOIL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4617-03	CONCRETE-PILE	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/29/2024	Chemtech -SO
P4618-01	HR-01-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-02	HR-01-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-03	HR-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4618-04	HR-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4619-01	SU-03-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K61	10/29/2024	Chemtech -SO
P4619-02	SU-03-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4619-03	SU-04-102924	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO
P4619-04	SU-04-102924-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	K63	10/29/2024	Chemtech -SO

Date/Time 10/24/24 1510

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 10/24/24 1710

Raw Sample Received by:

Raw Sample Relinquished by:

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164559

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Extraction Start Date : 10/31/2024

Matrix : Solid

Extraction Start Time : 10:00

Weigh By: RJ

Extraction By: RJ

Extraction End Date : 10/31/2024

Balance check: RJ

Filter By: RJ

Extraction End Time : 18:25

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP23699
Surrogate	1.0ML	5000 PPB	PP23907
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2538
Acidified Na2SO4	N/A	EP2503
Sand	N/A	E2865
HCL	N/A	M5892
DI WATER	N/A	N/A
37% KOH	N/A	EP2520
Methylene Chloride	N/A	E3822
1:3 SULPHURIC ACID	N/A	EP2528
Ether	N/A	E3370
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14150
Diazomethane	N/A	EP2529
Hexane	N/A	E3819
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze,40ML Vial Lot # 03-40 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/31/24 18:30	RP(Ext. Rus)	Y-P. [illegible]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164559

Analytical Method: M8151A-Herbicide-22 **Concentration Date:** 10/31/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164559BL	HBLK559	Herbicide	30.01	N/A	ritesh	RUPESH	10			U5-1
PB164559BS	HLCS559	Herbicide	30.03	N/A	ritesh	RUPESH	10			2
P4601-19	C0PI0	Herbicide	30.06	N/A	ritesh	RUPESH	10			3
P4601-20	C0PI2	Herbicide	30.02	N/A	ritesh	RUPESH	10			4
P4601-21	C0PI6	Herbicide	30.07	N/A	ritesh	RUPESH	10			5
P4601-22	C0PI8	Herbicide	30.09	N/A	ritesh	RUPESH	10			6
P4601-23	C0PI9	Herbicide	30.01	N/A	ritesh	RUPESH	10			U6-1
P4601-24	CC0P1	Herbicide	30.10	N/A	ritesh	RUPESH	10			2
P4601-25	CC0P3	Herbicide	30.03	N/A	ritesh	RUPESH	10			3
P4601-26	CC0P5	Herbicide	30.06	N/A	ritesh	RUPESH	10			4
P4601-27	CC0P7	Herbicide	30.09	N/A	ritesh	RUPESH	10			5
P4601-28	CC0P9	Herbicide	30.01	N/A	ritesh	RUPESH	10			6
P4601-29	CC0Q1	Herbicide	30.07	N/A	ritesh	RUPESH	10			U7-1
P4601-30	CC0Q6	Herbicide	30.03	N/A	ritesh	RUPESH	10			2
P4601-31	CC0Q8	Herbicide	30.08	N/A	ritesh	RUPESH	10			3
P4601-32	CC0R3	Herbicide	30.05	N/A	ritesh	RUPESH	10			4
P4601-33	CC0R4	Herbicide	30.02	N/A	ritesh	RUPESH	10			5
P4601-34	CC0R5	Herbicide	30.09	N/A	ritesh	RUPESH	10			6
P4601-35	CC0R6	Herbicide	30.09	N/A	ritesh	RUPESH	10			U1-1
P4601-36	CC0R7	Herbicide	30.04	N/A	ritesh	RUPESH	10			2
P4601-37	P4601-36MS	Herbicide	30.08	N/A	ritesh	RUPESH	10			3
P4601-38	P4601-36MSD	Herbicide	30.10	N/A	ritesh	RUPESH	10			4

* **Extracts relinquished on the same date as received.**

10/31/24

1645 10:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : p4601 **WorkList ID :** 184970 **Department :** Extraction **Date :** 10-31-2024 07:59:33

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4601-19	C0PI0	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-20	C0PI2	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-21	C0PI6	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-22	C0PI8	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-23	C0PI9	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-24	CC0P1	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-25	CC0P3	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-26	CC0P5	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-27	CC0P7	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-28	CC0P9	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-29	CC0Q1	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-30	CC0Q6	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-31	CC0Q8	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/22/2024	8151A
P4601-32	CC0R3	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-33	CC0R4	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-34	CC0R5	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-35	CC0R6	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-36	CC0R7	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-37	P4601-36MS	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A
P4601-38	P4601-36MSD	Solid	Herbicide	Cool 4 deg C	TETR16	K31	10/23/2024	8151A

Date/Time 10/31/24 10:05

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Date/Time 10/31/24 10:00

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

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Prep Standard - Chemical Standard Summary

Order ID : P4601

Test : Herbicide

Prepbatch ID : PB164559,

Sequence ID/Qc Batch ID: PS110624,ps111124,

Standard ID :
EP2503,EP2538,PP23457,PP23458,PP23459,PP23460,PP23461,PP23462,PP23467,PP23468,PP23469,PP23699,PP23907,

Chemical ID :
E2865,E3370,E3551,E3754,E3788,E3793,E3794,E3815,M5037,M5892,P11179,P12618,P12661,P12707,P12782,P12783,P13498,P13499,P13500,P13501,P23457,P8828,P8901,P9004,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
601	Acidified Sodium Sulphate 2	EP2503	07/01/2024	12/15/2024	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 07/01/2024

FROM 100.00000ml of E3370 + 150.00000ml of M5037 + 3000.00000ml of E3551 = Final Quantity: 3000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3868	METHELENE CHLORIDE+ACETONE	EP2538	09/17/2024	03/11/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 09/17/2024

FROM 8000.00000ml of E3793 + 8000.00000ml of E3794 = Final Quantity: 1600.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1321	2/200 PPM Herb Mega Mix	PP23457	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.20000ml of P8828 + 1.00000ml of P11179 + 1.00000ml of P12618 + 1.00000ml of P12661 + 1.00000ml of P8901 + 95.80000ml of E3754 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1452	1500 PPB HERB MIX STD	PP23458	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.25000ml of E3754 + 75.00000ml of PP23457 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1453	1000 PPB Herb MIX STD	PP23459	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.50000ml of E3754 + 0.50000ml of PP23457 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1455	500 PPB Herb MIX STD	PP23460	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.50000ml of E3754 + 0.50000ml of PP23459 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1456	200 PPB Herb MIX STD	PP23461	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.80000ml of E3754 + 0.20000ml of PP23459 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1454	750 PPB Herb MIX STD	PP23462	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.25000ml of E3754 + 0.75000ml of PP23459 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1851	2/200 PPM Herb Mega Mix 2nd Source	PP23467	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.50000ml of P9004 + 1.00000ml of P12707 + 48.50000ml of E3754 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1854	1000 PPB HERB MIX ICV STD	PP23468	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.50000ml of E3754 + 0.50000ml of PP23467 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1691	750 PPB ICV HERB STD	PP23469	06/17/2024	12/04/2024	Abdul Mirza	None	None	Ankita Jodhani 06/18/2024

FROM 0.25000ml of E3754 + 0.75000ml of PP23468 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1848	5000/500000 PPB Herbicide Spike (Free Acid)	PP23699	09/24/2024	02/13/2025	Abdul Mirza	None	None	Ankita Jodhani 10/01/2024

FROM 1.25000ml of P12782 + 1.25000ml of P12783 + 47.50000ml of E3788 = Final Quantity: 50.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
60	5000 PPB Herbicide Surg Spike (Free Acid)	PP23907	10/21/2024	04/04/2025	Abdul Mirza	None	None	Ankita Jodhani 10/22/2024

FROM 1.25000ml of P13498 + 1.25000ml of P13499 + 1.25000ml of P13500 + 1.25000ml of P13501 + 195.00000ml of E3815 = Final Quantity: 200.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9244-03 / Ether, Anhydrous, Purified (cs/4x4L)	0000288039	01/17/2025	08/01/2022 / Rajesh	07/13/2022 / Rajesh	E3370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	01/03/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24C1862008	12/04/2024	06/04/2024 / Rajesh	05/31/2024 / Rajesh	E3754

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)	23H1462005	04/23/2025	08/13/2024 / Rajesh	08/13/2024 / Rajesh	E3788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	03/11/2025	09/12/2024 / Rajesh	09/11/2024 / Rajesh	E3793

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G2362009	03/17/2025	09/17/2024 / Rajesh	09/03/2024 / Rajesh	E3794

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	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

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)	0000250349	12/15/2024	01/06/2022 / mohan	09/18/2021 / mohan	M5037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	240415	11/06/2024	05/16/2024 / Al-Terek	05/07/2024 / Al-Terek	M5892

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	12/17/2024	06/17/2024 / Abdul	11/01/2021 / Abdul	P11179

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	12/17/2024	06/17/2024 / Abdul	07/03/2023 / Abdul	P12618

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32055 / Herbicide Mix, 500/8000, Standard #1 [methyl ester] 200ug/mL, hexane, 1mL/ampul	A0199693	12/17/2024	06/17/2024 / Abdul	07/14/2023 / Ankita	P12661

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	12/17/2024	06/17/2024 / Abdul	08/09/2023 / Abdul	P12707

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	HBM-8151M / Chlorinated Herbicide Mixtures, Methyl Esters	0006752480	12/17/2024	06/17/2024 / Abdul	08/09/2023 / Abdul	P12707

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	0006750243	03/24/2025	09/24/2024 / Abdul	09/11/2023 / Abdul	P12782

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	0006750243	03/24/2025	09/24/2024 / Abdul	09/11/2023 / Abdul	P12782

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	0006750243	03/24/2025	09/24/2024 / Abdul	09/11/2023 / Abdul	P12783

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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	0006750243	03/24/2025	09/24/2024 / Abdul	09/11/2023 / Abdul	P12783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	04/21/2025	10/21/2024 / Abdul	08/16/2024 / yogesh	P13498

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	04/21/2025	10/21/2024 / Abdul	08/16/2024 / yogesh	P13499

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	04/21/2025	10/21/2024 / Abdul	08/16/2024 / yogesh	P13500

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32049 / Herbicide, 8000 series, 515 Surrogate [free acid] 2,4-dichlorophenyl acetic acid, 1mL, 200ug/mL, MeOH	A0212676	04/21/2025	10/21/2024 / Abdul	08/16/2024 / yogesh	P13501

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	12/17/2024	06/17/2024 / Abdul	08/16/2019 / Stephen	P8828

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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	A0152499	12/17/2024	06/17/2024 / Abdul	08/16/2019 / Stephen	P8901

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	A0152705	12/17/2024	06/17/2024 / Abdul	10/11/2019 / Stephen	P9004

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Ether, Anhydrous
BAKER ANALYZED® A.C.S. Reagent
Contains BHT as a Preservative
Suitable for Fat Extraction

avantor™ | J.T.Baker®

Material No.: 9244-03
Batch No.: 0000288039
Manufactured Date: 2021/07/22
Expiration Date: 2023/07/22
Revision No: 1

Certificate of Analysis

Meets ACS Reagent Chemical Requirements,

Test	Specification	Result
Assay ($(C_2H_5)_2O$) (by GC, corrected for water)	>= 99.0 %	100.0
Alcohol (C_2H_5OH)	Passes Test	PT
Carbonyl Compounds (as HCHO) (by polarography)	<= 0.001 %	< 0.001
Color (APHA)	<= 10	< 5
Peroxide (as H_2O_2)	<= 1 ppm	< 1
Preservative (BHT)	>= 7 ppm	9
Residue after Evaporation	<= 0.0010 %	< 0.0010
Titrable Acid (µeq/g)	<= 0.2	< 0.2
Water (by KF, coulometric)	<= 0.01 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US

Recd. by RP on 9/13/22

E 3370

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RI on 7/24/23 E3551

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24C1862008
Manufactured Date: 2024-01-30
Expiration Date: 2025-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.4 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

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

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 5/31/24

E3754

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 23H1462005
Manufactured Date: 2023-07-26
Expiration Date: 2026-07-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.6	< 0.1
Water (H_2O)	≤ 0.5 %	0.3 %
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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 8/13/24

E 3788

Ken Koehnlein
Sr. Manager, Quality Assurance

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.1
Titrable Base (µeq/g)	≤ 0.5	0.1
Water (H_2O)	≤ 0.5 %	0.1 %
Solubility in H_2O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO_4)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities - Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities - Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities - Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities - Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities - Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities - Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities - Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities - Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities - Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities - Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

>>> Continued on page 2 >>>

Recd. by RP on 9/11/24

E3793

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

avantor™ | J.T.Baker®

Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result

For Microelectronic Use

Country of Origin: USA
Packaging Site: Paris Mfg Ctr & DC

Michelle Bales
Sr. Manager, Quality Assurance

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

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 ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) 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

E3815

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

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

M5037-38-33-40
no

avantor™ | J.T.Baker®

Material No.: 9673-33
Batch No.: 0000250349
Manufactured Date: 2019/12/17
Retest Date: 2024/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.5
Appearance	Passes Test	PT
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Substances Reducing Permanganate (as SO_2)	<= 2 ppm	< 2
Ammonium (NH_4)	<= 1 ppm	< 1
Chloride (Cl)	<= 0.1 ppm	< 0.1
Nitrate (NO_3)	<= 0.2 ppm	< 0.1
Phosphate (PO_4)	<= 0.5 ppm	< 0.1
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	0.2
Arsenic and Antimony (as As)	<= 4 ppb	< 2
Trace Impurities - Barium (Ba)	<= 10.0 ppb	< 1.0
Trace Impurities - Beryllium (Be)	<= 10.0 ppb	< 1.0
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 10.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	2.9
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 10.0 ppb	< 1.0
Trace Impurities - Germanium (Ge)	<= 10.0 ppb	< 10.0
Trace Impurities - Gold (Au)	<= 10.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 500 ppb	< 100

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

Material No.: 9673-33
Batch No.: 0000250349

Test	Specification	Result
Trace Impurities - Iron (Fe)	<= 50.0 ppb	4.1
Trace Impurities - Lead (Pb)	<= 0.5 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 10.0 ppb	< 1.0
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	< 0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 10.0 ppb	< 1.0
Trace Impurities - Potassium (K)	<= 500.0 ppb	< 2.0
Trace Impurities - Selenium (Se)	<= 50.0 ppb	22.9
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 500.0 ppb	2.7
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 10.0 ppb	< 5.0
Trace Impurities - Thallium (Tl)	<= 20.0 ppb	< 5.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 10.0 ppb	< 1.0
Trace Impurities - Vanadium (V)	<= 10.0 ppb	< 1.0
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 10.0 ppb	< 1.0

For Laboratory, Research or Manufacturing Use

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

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

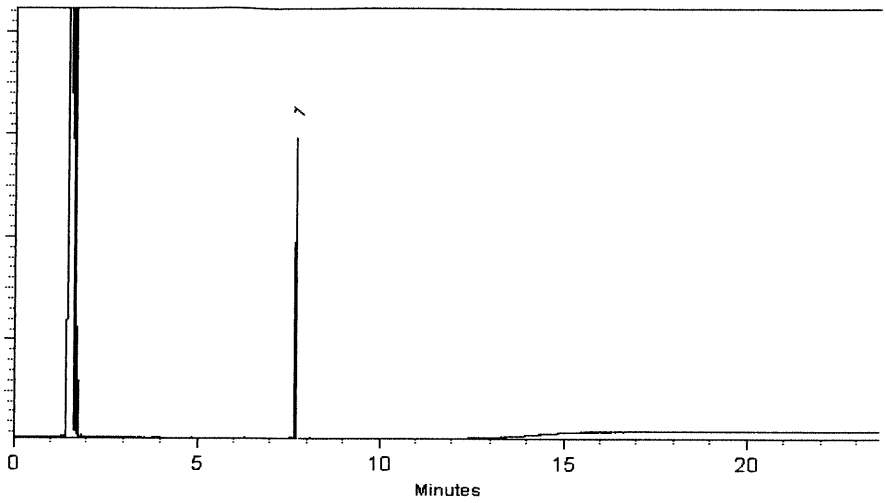
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 McGlinn - Operations Tech I

Date Mixed: 28-May-2021 **Balance:** B345965662

Marlina Cowan - Operations Tech I

Date Passed: 02-Jun-2021

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

P 111177 to P 111186

AR 11/02/21

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
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. : 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
11/02/21

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA

A2LA ACCREDITED 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.

P12616 (S) → P12620 7/5/2023

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

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 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	4-Nitroanisole **CAS #** 100-17-4 (Lot 24765/7) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
3	Pentachloroanisole **CAS #** 1825-21-4 (Lot 7921100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
4	Chloramben methyl ester **CAS #** 7286-84-2 (Lot 6487100) **Purity** 98%	199.9 µg/mL	+/- 1.4176 +/- 6.7480 +/- 6.7480	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
5	Bentazon methyl ester **CAS #** 61592-45-8 (Lot 817100) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
6	Picloram methyl ester **CAS #** 14143-55-6 (Lot 386-21B) **Purity** 98%	201.9 µg/mL	+/- 1.4315 +/- 6.8141 +/- 6.8141	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
7	DCPA methyl ester (Chlorthal-dimethyl) **CAS #** 1861-32-1 (Lot 8008700) **Purity** 99%	200.0 µg/mL	+/- 1.4182 +/- 6.7507 +/- 6.7507	µg/mL µg/mL µg/mL	Gravimetric Unstressed 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)

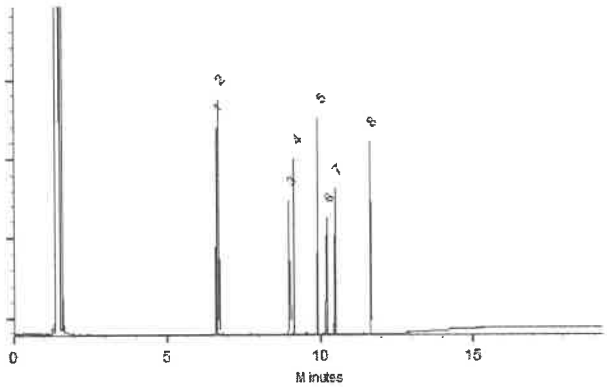
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 J Maye

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

Justine Albertson - Operations Tech-ARM QC

Date Passed: 18-Nov-2019

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

RESTEK
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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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. : 32055 **Lot No.:** A0199693

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 : July 31, 2030 **Storage:** 10°C or colder

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

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dicamba methyl ester	6597-78-0	1813500	99%	202.0 µg/mL	+/- 3.4272
2	Dichlorprop methyl ester	57153-17-0	8578700	98%	201.9 µg/mL	+/- 3.4251
3	2,4-D methyl ester	1928-38-7	10048000	99%	202.0 µg/mL	+/- 3.4272
4	2,4,5-TP (silvex) methyl ester	4841-20-7	504400	99%	202.0 µg/mL	+/- 3.4272
5	2,4,5-T methyl ester	1928-37-6	6875800	98%	201.9 µg/mL	+/- 3.4251
6	Dinoseb methyl ether	6099-79-2	9239100	99%	202.0 µg/mL	+/- 3.4272
7	2,4-DB methyl ester	18625-12-2	6847200	99%	202.0 µg/mL	+/- 3.4272

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P12660
↓
P12664

AJ
07/14/23

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.)

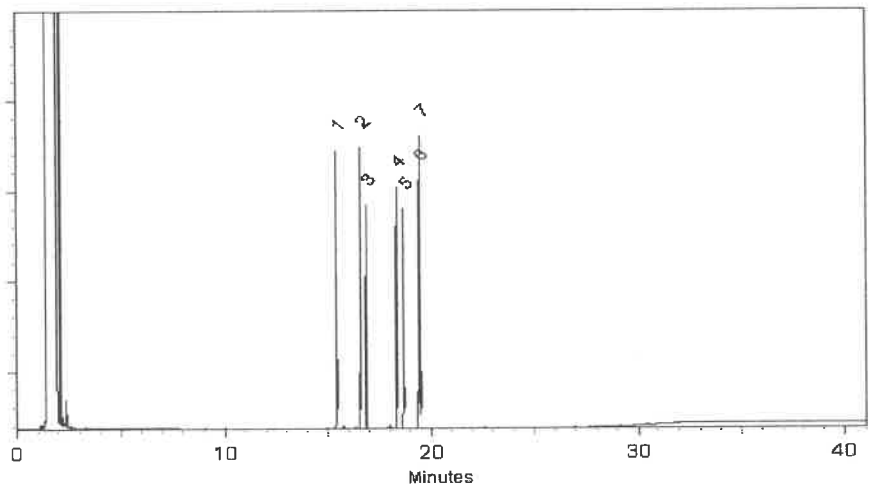
Inj. Temp:
250°C

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.

Nick Yaw - Operations Tech I

Date Mixed: 07-Jul-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 11-Jul-2023

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

Agilent

Trusted Answers

P12706 ↓ P12715 (10)

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Chlorinated Methylated Herbicides Standard

Product Number: HBM-8151M-1

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006752480

Lot Issue Date: 18-Jul-2023

Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen methyl ester	100.3	±	0.5 µg/mL	050594-67-7	RM03058
bentazon methyl derivative	100.2	±	0.5 µg/mL	061592-45-8	RM13829
chloramben methyl ester	100.4	±	0.5 µg/mL	007286-84-2	RM03055
2,4-D methyl ester	100.2	±	0.5 µg/mL	001928-38-7	RM03040
dalapon methyl ester	100.4	±	0.5 µg/mL	017640-02-7	RM14219
2,4-DB methyl ester	100.2	±	0.5 µg/mL	018625-12-2	RM03029
DCPA	100.2	±	0.5 µg/mL	001861-32-1	RM13426
dicamba methyl ester	100.4	±	0.5 µg/mL	006597-78-0	RM03039
methyl-3,5-dichlorobenzoate	100.1	±	0.5 µg/mL	002905-67-1	RM03048
dichlorprop methyl ester	100.4	±	0.5 µg/mL	057153-17-0	NT02086
dinoseb methyl ether	100.5	±	0.5 µg/mL	006099-79-2	RM03051
MCPA methyl ester	10031	±	50 µg/mL	002436-73-9	RM12863
MCPP methyl ester	10031	±	50 µg/mL	023844-56-6	RM20060
4-nitroanisole	100.3	±	0.5 µg/mL	000100-17-4	RM02806
pentachloroanisole	100.4	±	0.5 µg/mL	001825-21-4	RM02457
picloram methyl ester	100.2	±	0.5 µg/mL	014143-55-6	RM03044
silvex methyl ester	100.2	±	0.5 µg/mL	004841-20-7	RM03799
2,4,5-T methyl ester	100.4	±	0.5 µg/mL	001928-37-6	RM03033

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12706 (10)
↓
P12715

8.15.23

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ISO 17034
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015 Quality Management System. Cert# 951215321

www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

P12766 ↓ P12785 (20)

Agilent
Trusted Answers

ISO 17034

9.11.23

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: 0006750243
Lot Issue Date: 07-Jul-2023
Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acifluorfen	100.1	±	0.5 µg/mL	050594-66-6	NT02057
bentazon	100.1	±	0.5 µg/mL	025057-89-0	RM20289
chloramben	100.4	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.1	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM21030
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.3	±	0.5 µg/mL	002136-79-0	RM13887
dicamba	100.2	±	0.5 µg/mL	001918-00-9	RM20089
3,5-dichlorobenzoic acid	100.0	±	0.5 µg/mL	000051-36-5	RM02768
dichlorprop	100.0	±	0.5 µg/mL	000120-36-5	RM20896
dinoseb	100.0	±	0.5 µg/mL	000088-85-7	RM20667
MCPA	10004	±	50 µg/mL	000094-74-6	RM12220
MCPP (mecoprop)	10037	±	50 µg/mL	000093-65-2	RM09273
4-nitrophenol	100.1	±	0.5 µg/mL	000100-02-7	RM03752
pentachlorophenol	100.1	±	0.5 µg/mL	000087-86-5	RM02474
picloram	100.4	±	0.5 µg/mL	001918-02-1	RM20442
silvex	100.1	±	0.5 µg/mL	000093-72-1	RM20208
2,4,5-T	100.4	±	0.5 µg/mL	000093-76-5	NT01808

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.

CSD-QA-015.2

ISO 17025
Cert No. AT-1937

Agilent

Trusted Answers

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Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

P12766 ↓ P12785 / 20 /

9/11/2023

ANAB
ANSI National Accreditation Board
ACCREDITED
REFERENCE MATERIAL PRODUCER

ISO 17034
Cert No. AR-1936

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CSD-QA-015.2

ISO 17025
Cert No. AT-1937

P12766 ↓ P12785 (20)

Agilent
Trusted Answers

ISO 17034

9.11.23

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: 0006750243
Lot Issue Date: 07-Jul-2023
Expiration Date: 31-Aug-2025

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
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bentazon	100.1	±	0.5 µg/mL	025057-89-0	RM20289
chloramben	100.4	±	0.5 µg/mL	000133-90-4	RM02698
2,4-D	100.1	±	0.5 µg/mL	000094-75-7	RM17172
dalapon	100.4	±	0.5 µg/mL	000075-99-0	RM21030
2,4-DB	100.1	±	0.5 µg/mL	000094-82-6	RM02866
tetrachloroterephthalic acid	100.3	±	0.5 µg/mL	002136-79-0	RM13887
dicamba	100.2	±	0.5 µg/mL	001918-00-9	RM20089
3,5-dichlorobenzoic acid	100.0	±	0.5 µg/mL	000051-36-5	RM02768
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MCPP (mecoprop)	10037	±	50 µg/mL	000093-65-2	RM09273
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pentachlorophenol	100.1	±	0.5 µg/mL	000087-86-5	RM02474
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Homogeneity:
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CSD-QA-015.2

ISO 17025
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Trusted Answers

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

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Maintenance of Certification:
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Sample lot approver:

Monica Bourgeois
QMS Representative

P12766 ↓ P12785 / 20 /

9/11/2023

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www.agilent.com/quality/
CSD-QA-015.2

ISO 17025
Cert No. AT-1937

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

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

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

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

P13497 ↓ P13515 Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

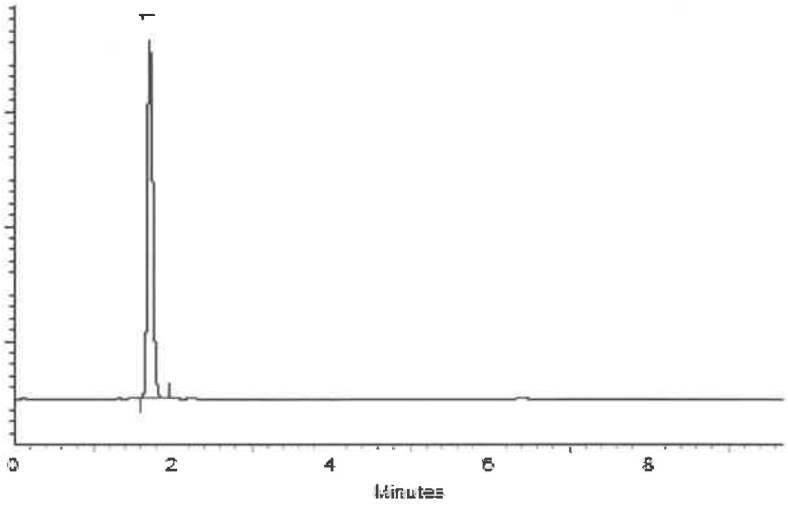
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

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

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

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

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

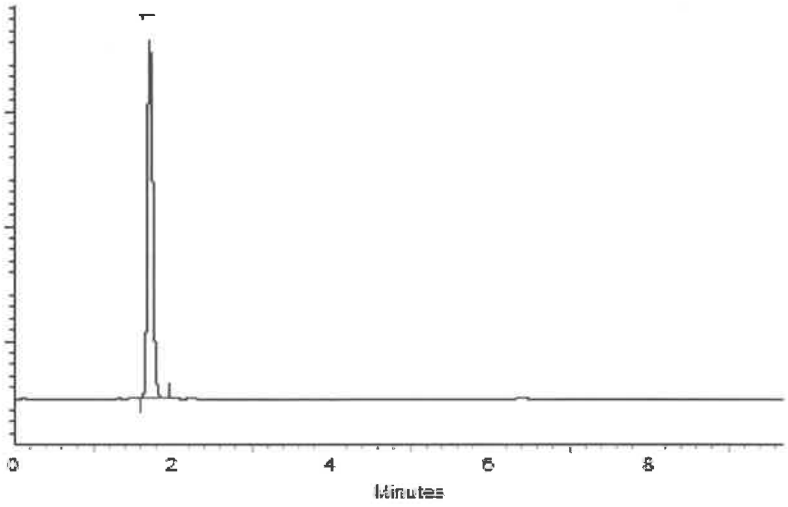
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

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

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

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

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

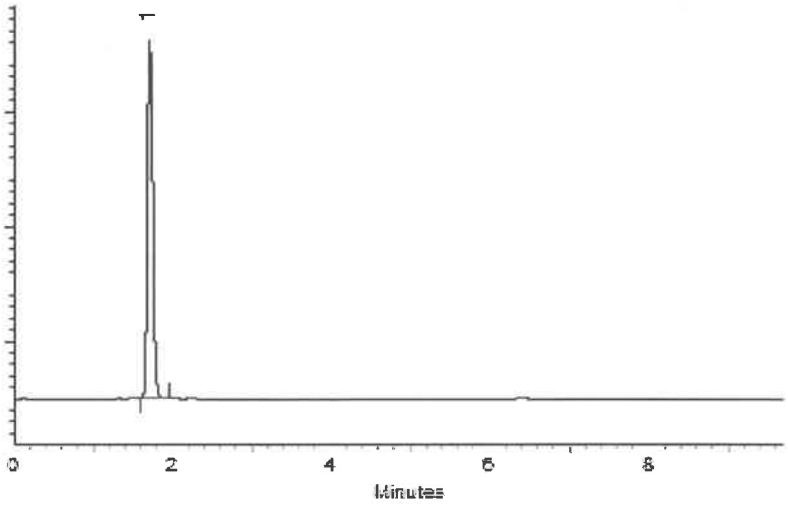
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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

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. : 32049 **Lot No.:** A0212676

Description : 2,4-Dichlorophenylacetic Acid Standard

2, 4-Dichlorophenyl Acetic Acid 200µg/mL, Methanol, 1mL/ampul

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

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

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

P13497 ↓ P13515 } Y.P. 08/16/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-dichlorophenylacetic acid	19719-28-9	STBK3827	99%	200.0 µg/mL	+/- 2.7154

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Specific Reference Material Notes:
Failure to derivatize this standard will lead to incorrect quantitative results.

Quality Confirmation Test

Column:
150mm x 4.6mm
Allure C18 Cat.(#9164565)

Flow Rate:
1.0 ml/min.

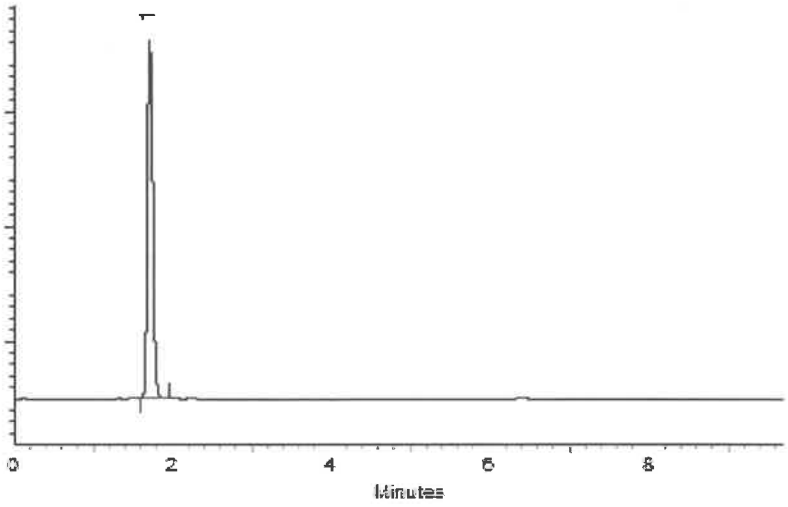
Mobile Phase A:
0.14% H3PO4 in water

Mobile Phase B:
acetonitrile

Mobile Phase Composition:
90%B Isocratic

Det. Type:
Wavelength: 220 & 254 nm

Inj. Vol
5µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 11-Jun-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Jun-2024

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED 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.

Received by SG on 8/16/19
P8828
P8826

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.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Dalapon methyl ester **CAS #** 17640-02-7 (Lot 1764600) **Purity** 98%	999.6 µg/mL	+/- 10.0697 µg/mL +/- 34.4896 µg/mL +/- 34.4896 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

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

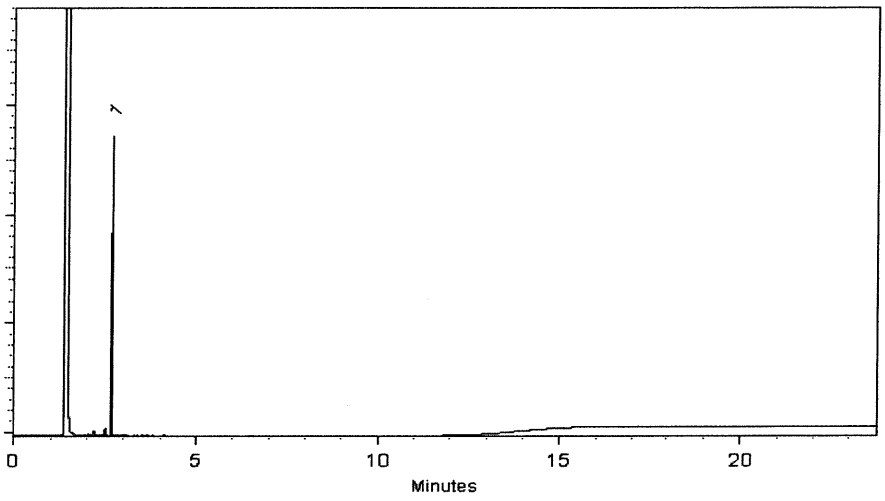
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

Fang-Yun Lo - QC Analyst

Date Passed: 15-Apr-2019

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

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Certificate of Analysis

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Received by SG on 9/10/19
P8897
P8896

Catalog No. : 32059 **Lot No.:** A0152499

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 : September 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	MCPP (Mecoprop) methyl ester **CAS #** 23844-56-6 (Lot 8685200) **Purity** 99%	20,004.0 µg/mL	+/- 185.1208 µg/mL +/- 685.5986 µg/mL +/- 685.5986 µg/mL	Gravimetric Unstressed Stressed
2	MCPA methyl ester **CAS #** 2436-73-9 (Lot 7964600) **Purity** 99%	20,012.0 µg/mL	+/- 185.1948 µg/mL +/- 685.8728 µg/mL +/- 685.8728 µg/mL	Gravimetric Unstressed Stressed

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

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

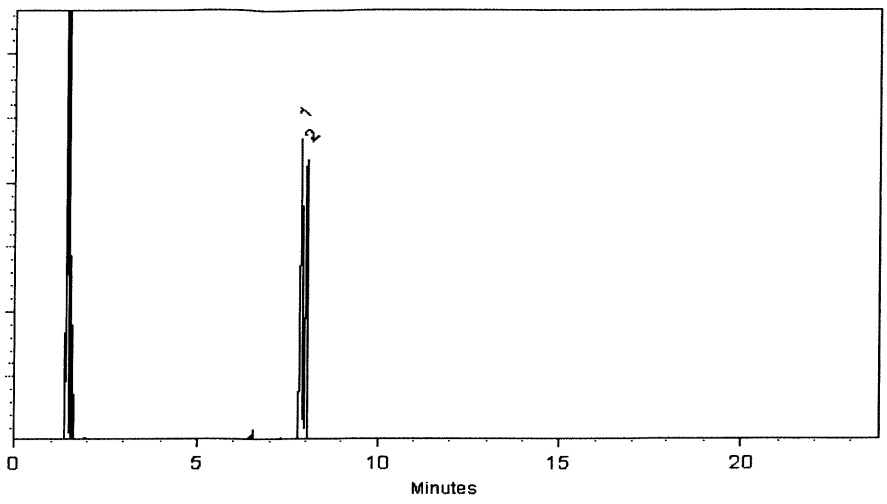
Carrier Gas:
hydrogen-constant pressure 10 psi.

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: 03-Sep-2019 **Balance:** 1128360905

Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 05-Sep-2019

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

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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.

Received by SG on 10/11/19
P8999
–
P9008

Catalog No. : 32050 **Lot No.:** A0152705

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 : June 30, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4-Dichlorophenyl acetic acid methyl ester	200.0 µg/mL	+/- 1.4182	µg/mL	Gravimetric
	CAS # 55954-23-9 (Lot CSC42194-01)		+/- 6.7507	µg/mL	Unstressed
	Purity 99%		+/- 6.7507	µg/mL	Stressed

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

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

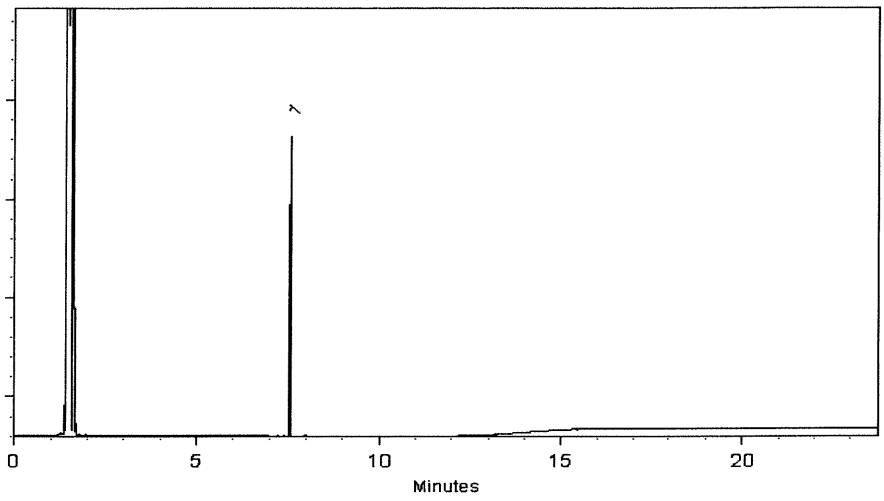
Carrier Gas:
hydrogen-constant pressure 10 psi.

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.

Cydnei L. Crust - Mix Technician

Date Mixed: 09-Sep-2019 **Balance:** B707717271

Feng-Yun Lo - QC Analyst

Date Passed: 11-Sep-2019

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

SHIPPING DOCUMENTS

P4601

USEPA CLP COC (LAB COPY)

DateShipped: 10/28/2024
CarrierName: FedEx
AirbillNo: 7795 7388 7635

CHAIN OF CUSTODY RECORD

DAS #: R36704
Cooler #: Herbs 2

No: 3-102824-140828-0008

Lab: Chemtech Consulting Group
Lab Contact: Emanuel Hedvat
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PDA-SB09-20241022	CC0Q1	Soil/ START	Grab	HERB(21)	1083 (<6C) (1)	SB09	10/22/2024 15:50	
PDA-DUP02-20241022	CC0Q6	Soil/ START	Grab	HERB(21)	1098 (<6C) (1)	DUP02	10/22/2024 12:00	
PDA-DUP03-20241023	CC0Q8	Soil/ START	Grab	HERB(21)	1104 (<6C) (1)	DUP03	10/23/2024 12:00	
PDA-SB16-20241023	CC0R3	Soil/ START	Grab	HERB(21)	1119 (<6C) (1)	SB16	10/23/2024 13:45	
PDA-DUP04-20241023	CC0R4	Soil/ START	Grab	HERB(21)	1122 (<6C) (1)	DUP04	10/23/2024 12:00	
PDA-SB02-20241023	CC0R5	Soil/ START	Grab	HERB(21)	1125 (<6C) (1)	SB02	10/23/2024 14:45	
PDA-SS02-20241023	CC0R6	Soil/ START	Grab	HERB(21)	1128 (<6C) (1)	SS02	10/23/2024 14:45	
PDA-SB21-20241023	CC0R7	Soil/ START	Grab	HERB(21)	1131 (<6C), 1147 (<6C), 1149 (<6C) (3)	SB21	10/23/2024 15:34	

Sample(s) to be used for Lab QC: PDA-SB21-20241023 Tag 1147, PDA-SB21-20241023 Tag 1149

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: HERB=Herbicides

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John Shirk START	1645 10/28/24		955 10-29-24	IR Gun #1 2.8°C
					Custody Seal Intact
					Temp Blank present

P4601

USEPA CLP COC (LAB COPY)
DateShipped: 10/28/2024
CarrierName: FedEx
AirbillNo: 7795 7388 7635

CHAIN OF CUSTODY RECORD

DAS #: R36704
Cooler #: Herbs 2

No: 3-102824-140828-0008
Lab: Chemtech Consulting Group
Lab Contact: Emanuel Hedvat
Lab Phone: 908-789-8900

Sample Identifier	CLP Sample No.	Matrix/Sampler	Coll. Method	Analysis/Turnaround (Days)	Tag/Preservative/Bottles	Location	Collection Date/Time	For Lab Use Only
PDA-SS01-20241022	C0PI0	Soil/ START	Grab	HERB(21)	1012 (<6C) (1)	SS01	10/22/2024 09:15	
PDA-SB01-20241022	C0PI2	Soil/ START	Grab	HERB(21)	1024 (<6C) (1)	SB01	10/22/2024 09:15	
PDA-SB20-20241022	C0PI6	Soil/ START	Grab	HERB(21)	1038 (<6C) (1)	SB20	10/22/2024 10:10	
PDA-DUP01-20241022	C0PI8	Soil/ START	Grab	HERB(21)	1044 (<6C) (1)	DUP01	10/22/2024 12:00	
PDA-SB03-20241022	C0PI9	Soil/ START	Grab	HERB(21)	1047 (<6C) (1)	SB03	10/22/2024 11:00	
PDA-SB04-20241022	CC0P1	Soil/ START	Grab	HERB(21)	1053 (<6C) (1)	SB04	10/22/2024 11:55	
PDA-SB05-20241022	CC0P3	Soil/ START	Grab	HERB(21)	1059 (<6C) (1)	SB05	10/22/2024 12:50	
PDA-SB06-20241022	CC0P5	Soil/ START	Grab	HERB(21)	1065 (<6C) (1)	SB06	10/22/2024 13:55	
PDA-SB07-20241022	CC0P7	Soil/ START	Grab	HERB(21)	1071 (<6C) (1)	SB07	10/22/2024 14:35	
PDA-SB08-20241022	CC0P9	Soil/ START	Grab	HERB(21)	1077 (<6C) (1)	SB08	10/22/2024 15:15	

Special Instructions:

Shipment for Case Complete? N

Samples Transferred From Chain of Custody #

Analysis Key: HERB=Herbicides

Items/Reason	Relinquished by (Signature and Organization)	Date/Time	Received by (Signature and Organization)	Date/Time	Sample Condition Upon Receipt
	John Shuh START	10/28/24 1645	CK	955 10-29-24	IR-Gun #1 2.8°C
					Custody Seal Intact
					Temp Blank present

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488