

Cover Page

Order ID : Q2458

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2458-01
Q2458-02
Q2458-03
Q2458-04
Q2458-05
Q2458-06
Q2458-07
Q2458-08
Q2458-09
Q2458-10

Client Sample Number

TP-76
TP-55
TP-68
TP-67
TP-66
TP-60
TP-62
TP-63
TP-59
FB-06272025

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

Signature : _____

Date: 7/11/2025

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2458

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: PRADIP PRAJAPATI

Date: 07/11/2025

LAB CHRONICLE

OrderID:	Q2458	OrderDate:	6/27/2025 4:22:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2458-01	TP-76	SOIL			06/26/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/08/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-02	TP-55	SOIL			06/26/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-03	TP-68	SOIL			06/27/25			06/27/25
			Gasoline Range Organics	8015D			06/30/25	
			PCB	8082A		07/01/25	07/01/25	
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Herbicide	8151A		07/02/25	07/07/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-04	TP-67	SOIL			06/27/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/02/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/02/25	07/07/25	
			PCB	8082A		07/01/25	07/01/25	
			Pesticide-TCL	8081B		07/01/25	07/01/25	
Q2458-05	TP-66	SOIL			06/27/25			06/27/25
			Diesel Range Organics	8015D		07/02/25	07/03/25	
			Gasoline Range Organics	8015D			06/30/25	

LAB CHRONICLE

			Herbicide	8151A	07/02/25	07/07/25	
			PCB	8082A	07/01/25	07/01/25	
			Pesticide-TCL	8081B	07/01/25	07/01/25	
Q2458-06	TP-60	SOIL			06/27/25		06/27/25
			Diesel Range Organics	8015D	07/02/25	07/03/25	
			Gasoline Range Organics	8015D		06/30/25	
			Herbicide	8151A	07/02/25	07/07/25	
			PCB	8082A	07/01/25	07/01/25	
			Pesticide-TCL	8081B	07/01/25	07/01/25	
Q2458-07	TP-62	SOIL			06/27/25		06/27/25
			Diesel Range Organics	8015D	07/02/25	07/02/25	
			Gasoline Range Organics	8015D		07/01/25	
			Herbicide	8151A	07/02/25	07/07/25	
			PCB	8082A	07/01/25	07/01/25	
			Pesticide-TCL	8081B	07/01/25	07/01/25	
Q2458-08	TP-63	SOIL			06/27/25		06/27/25
			Diesel Range Organics	8015D	07/02/25	07/02/25	
			Gasoline Range Organics	8015D		06/30/25	
			Herbicide	8151A	07/02/25	07/07/25	
			PCB	8082A	07/01/25	07/01/25	
			Pesticide-TCL	8081B	07/01/25	07/01/25	
Q2458-09	TP-59	SOIL			06/27/25		06/27/25
			Diesel Range Organics	8015D	07/02/25	07/02/25	
			Gasoline Range Organics	8015D		06/30/25	
			Herbicide	8151A	07/02/25	07/07/25	
			PCB	8082A	07/01/25	07/02/25	
			Pesticide-TCL	8081B	07/01/25	07/01/25	
Q2458-10	FB-06272025	Water			06/27/25		06/27/25
			Diesel Range Organics	8015D	07/02/25	07/02/25	
			Gasoline Range Organics	8015D		07/01/25	
			Herbicide	8151A	07/03/25	07/08/25	
			PCB	8082A	07/02/25	07/02/25	
			Pesticide-TCL	8081B	07/03/25	07/03/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2458

Order ID: Q2458

Client: CDM Smith

Project ID: South River WM Replacement

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

Total Concentration: 0.000



QC SUMMARY

Surrogate Summary

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS030738.D	PIBLK-PS030738.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	487	97		61	136
I.BLK-PS030916.D	PIBLK-PS030916.D	2,4-DCAA	1	500	421	84		61	136
		2,4-DCAA	2	500	481	96		61	136
Q2458-02	TP-55	2,4-DCAA	1	500	60.0	12		10	141
		2,4-DCAA	2	500	60.6	12		10	141
Q2458-03	TP-68	2,4-DCAA	1	500	262	52		10	141
		2,4-DCAA	2	500	250	50		10	141
Q2458-04	TP-67	2,4-DCAA	1	500	350	70		10	141
		2,4-DCAA	2	500	352	70		10	141
Q2458-05	TP-66	2,4-DCAA	1	500	216	43		10	141
		2,4-DCAA	2	500	260	52		10	141
Q2458-06	TP-60	2,4-DCAA	1	500	166	33		10	141
		2,4-DCAA	2	500	174	35		10	141
Q2458-07	TP-62	2,4-DCAA	1	500	69.9	14		10	141
		2,4-DCAA	2	500	75.5	15		10	141
Q2458-08	TP-63	2,4-DCAA	1	500	102	20		10	141
		2,4-DCAA	2	500	121	24		10	141
Q2458-09	TP-59	2,4-DCAA	1	500	213	43		10	141
		2,4-DCAA	2	500	223	45		10	141
I.BLK-PS030927.D	PIBLK-PS030927.D	2,4-DCAA	1	500	468	94		61	136
		2,4-DCAA	2	500	502	100		61	136
I.BLK-PS030943.D	PIBLK-PS030943.D	2,4-DCAA	1	500	481	96		61	136
		2,4-DCAA	2	500	497	99		61	136
Q2458-01	TP-76	2,4-DCAA	1	500	278	56		10	141
		2,4-DCAA	2	500	275	55		10	141
PB168706BL	PB168706BL	2,4-DCAA	1	500	452	90		10	141
		2,4-DCAA	2	500	489	98		10	141
Q2458-01MS	TP-76MS	2,4-DCAA	1	500	341	68		10	141
		2,4-DCAA	2	500	375	75		10	141
Q2458-01MSD	TP-76MSD	2,4-DCAA	1	500	347	69		10	141
		2,4-DCAA	2	500	378	76		10	141
PB168717BL	PB168717BL	2,4-DCAA	1	500	448	90		61	136
		2,4-DCAA	2	500	479	96		61	136
PB168717BS	PB168717BS	2,4-DCAA	1	500	534	107		61	136
		2,4-DCAA	2	500	509	102		61	136
PB168717BSD	PB168717BSD	2,4-DCAA	1	500	539	108		61	136
		2,4-DCAA	2	500	510	102		61	136
Q2458-10	FB-06272025	2,4-DCAA	1	500	437	87		61	136
		2,4-DCAA	2	500	448	90		61	136
I.BLK-PS030955.D	PIBLK-PS030955.D	2,4-DCAA	1	500	455	91		61	136

Surrogate Summary

SDG No.: Q2458

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS030955.D	PIBLK-PS030955.D	2,4-DCAA	2	500	469	94		61	136
I.BLK-PS030958.D	PIBLK-PS030958.D	2,4-DCAA	1	500	456	91		61	136
		2,4-DCAA	2	500	462	92		61	136
PB168706BS	PB168706BS	2,4-DCAA	1	500	538	108		10	141
		2,4-DCAA	2	500	503	101		10	141
I.BLK-PS030966.D	PIBLK-PS030966.D	2,4-DCAA	1	500	449	90		61	136
		2,4-DCAA	2	500	467	93		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030949.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High		
Lab Sample ID:	Q2458-01MS (Column 1)	Client Sample ID:		TP-76MS									
	DICAMBA	183.4	0	86.9	ug/Kg	47					10	112	
	DICHLORPROP	183.4	0	95.6	ug/Kg	52					10	113	
	2,4-D	183.4	0	138	ug/Kg	75					10	144	
	2,4,5-TP(Silvex)	183.4	0	95.3	ug/Kg	52					10	114	
	2,4,5-T	183.4	0	99.8	ug/Kg	54					10	115	
	2,4-DB	183.4	0	97.1	ug/Kg	53					10	140	
	Dinoseb	183.4	0	0	ug/Kg	0	*				10	118	
Lab Sample ID:	Q2458-01MS (Column 2)	Client Sample ID:		TP-76MS									
	DICAMBA	183.4	0	84.8	ug/Kg	46					10	112	
	DICHLORPROP	183.4	0	103	ug/Kg	56					10	113	
	2,4-D	183.4	0	94.4	ug/Kg	51					10	144	
	2,4,5-TP(Silvex)	183.4	0	97.3	ug/Kg	53					10	114	
	2,4,5-T	183.4	0	91.0	ug/Kg	50					10	115	
	2,4-DB	183.4	0	85.1	ug/Kg	46					10	140	
	Dinoseb	183.4	0	0	ug/Kg	0	*				10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2458</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030950.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD		Low	Limits	
			Result	Result				RPD	Qual		High	RPD
Lab Sample ID:	Q2458-01MSD (Column 1)	Client Sample ID:		TP-76MSD								
	DICAMBA	183.6	0	88.8	ug/Kg	48		2		10	112	20
	DICHLORPROP	183.6	0	95.0	ug/Kg	52		0		10	113	20
	2,4-D	183.6	0	139	ug/Kg	76		1		10	144	20
	2,4,5-TP(Silvex)	183.6	0	95.9	ug/Kg	52		0		10	114	20
	2,4,5-T	183.6	0	101	ug/Kg	55		2		10	115	20
	2,4-DB	183.6	0	95.5	ug/Kg	52		2		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID:	Q2458-01MSD (Column 2)	Client Sample ID:		TP-76MSD								
	DICAMBA	183.6	0	86.3	ug/Kg	47		2		10	112	20
	DICHLORPROP	183.6	0	99.3	ug/Kg	54		4		10	113	20
	2,4-D	183.6	0	95.4	ug/Kg	52		2		10	144	20
	2,4,5-TP(Silvex)	183.6	0	96.8	ug/Kg	53		0		10	114	20
	2,4,5-T	183.6	0	90.4	ug/Kg	49		2		10	115	20
	2,4-DB	183.6	0	98.8	ug/Kg	54		16		10	140	20
	Dinoseb	183.6	0	0	ug/Kg	0	*	0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2458

Analytical Method: 8151A

Client: CDM Smith

Datafile : PS030952.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168717BS (Column 1)	DICAMBA	5	5.10	ug/L	102				67	136	
	DICHLORPROP	5	4.90	ug/L	98				88	119	
	2,4-D	5	5.20	ug/L	104				83	130	
	2,4,5-TP(Silvex)	5	5.30	ug/L	106				78	127	
	2,4,5-T	5	5.70	ug/L	114				74	129	
	2,4-DB	5	6.00	ug/L	120				53	149	
	Dinoseb	5	5.10	ug/L	102				72	131	
	DICAMBA	5	4.90	ug/L	98				67	136	
PB168717BS (Column 2)	DICHLORPROP	5	4.70	ug/L	94				88	119	
	2,4-D	5	4.60	ug/L	92				83	130	
	2,4,5-TP(Silvex)	5	5.00	ug/L	100				78	127	
	2,4,5-T	5	5.10	ug/L	102				74	129	
	2,4-DB	5	4.90	ug/L	98				53	149	
	Dinoseb	5	4.60	ug/L	92				72	131	



SW-846

Analytical Method: 8151A

Datafile : PS030953.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits		
								Qual	Low	High	RPD
PB168717BSD (Column 1)	DICAMBA	5	5.00	ug/L	100	2			67	136	20
	DICHLORPROP	5	4.90	ug/L	98	0			88	119	20
	2,4-D	5	5.90	ug/L	118	13			83	130	20
	2,4,5-TP(Silvex)	5	5.30	ug/L	106	0			78	127	20
	2,4,5-T	5	5.60	ug/L	112	2			74	129	20
	2,4-DB	5	6.00	ug/L	120	0			53	149	20
	Dinoseb	5	5.10	ug/L	102	0			72	131	20
PB168717BSD (Column 2)	DICAMBA	5	4.90	ug/L	98	0			67	136	20
	DICHLORPROP	5	4.70	ug/L	94	0			88	119	20
	2,4-D	5	4.90	ug/L	98	6			83	130	20
	2,4,5-TP(Silvex)	5	5.00	ug/L	100	0			78	127	20
	2,4,5-T	5	5.10	ug/L	102	0			74	129	20
	2,4-DB	5	4.90	ug/L	98	0			53	149	20
	Dinoseb	5	4.70	ug/L	94	2			72	131	20

**SW-846**

Datafile : PS030965.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB168706BS (Column 1)	DICAMBA	166.5	171	ug/Kg	103				72	129
	DICHLORPROP	166.5	163	ug/Kg	98				77	135
	2,4-D	166.5	184	ug/Kg	111				65	144
	2,4,5-TP(Silvex)	166.5	176	ug/Kg	106				74	146
	2,4,5-T	166.5	183	ug/Kg	110				77	134
	2,4-DB	166.5	192	ug/Kg	115				72	122
	Dinoseb	166.5	170	ug/Kg	102				74	132
PB168706BS (Column 2)	DICAMBA	166.5	161	ug/Kg	97				72	129
	DICHLORPROP	166.5	159	ug/Kg	95				77	135
	2,4-D	166.5	153	ug/Kg	92				65	144
	2,4,5-TP(Silvex)	166.5	167	ug/Kg	100				74	146
	2,4,5-T	166.5	167	ug/Kg	100				77	134
	2,4-DB	166.5	161	ug/Kg	97				72	122
	Dinoseb	166.5	155	ug/Kg	93				74	132

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168706BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168706BL

Lab File ID: PS030947.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/02/2025

Date Analyzed (1): 07/08/2025

Date Analyzed (2): 07/08/2025

Time Analyzed (1): 12:19

Time Analyzed (2): 12:19

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
TP-55	Q2458-02	PS030918.D	07/07/2025	07/07/2025
TP-68	Q2458-03	PS030919.D	07/07/2025	07/07/2025
TP-67	Q2458-04	PS030920.D	07/07/2025	07/07/2025
TP-66	Q2458-05	PS030921.D	07/07/2025	07/07/2025
TP-60	Q2458-06	PS030922.D	07/07/2025	07/07/2025
TP-62	Q2458-07	PS030923.D	07/07/2025	07/07/2025
TP-63	Q2458-08	PS030924.D	07/07/2025	07/07/2025
TP-59	Q2458-09	PS030925.D	07/07/2025	07/07/2025
TP-76	Q2458-01	PS030946.D	07/08/2025	07/08/2025
TP-76MS	Q2458-01MS	PS030949.D	07/08/2025	07/08/2025
TP-76MSD	Q2458-01MSD	PS030950.D	07/08/2025	07/08/2025
PB168706BS	PB168706BS	PS030965.D	07/09/2025	07/09/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168717BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BL

Lab File ID: PS030951.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/03/2025

Date Analyzed (1): 07/08/2025

Date Analyzed (2): 07/08/2025

Time Analyzed (1): 13:56

Time Analyzed (2): 13:56

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
PB168717BS	PB168717BS	PS030952.D	07/08/2025	07/08/2025
PB168717BSD	PB168717BSD	PS030953.D	07/08/2025	07/08/2025
FB-06272025	Q2458-10	PS030954.D	07/08/2025	07/08/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76	SDG No.:	Q2458
Lab Sample ID:	Q2458-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030946.D	1	07/02/25 11:30	07/08/25 11:55	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.9	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.9	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	73.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.9	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.9	ug/Kg
94-82-6	2,4-DB	26.7	U	26.7	73.9	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	278		10 - 141	56%	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\PS070825\
Data File : PS030946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 11:55
Operator : AR\AJ
Sample : Q2458-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-76

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S	2,4-DCAA	7.336	7.766	1022.7E6	295.0E6	278.322	275.165
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Target Compounds

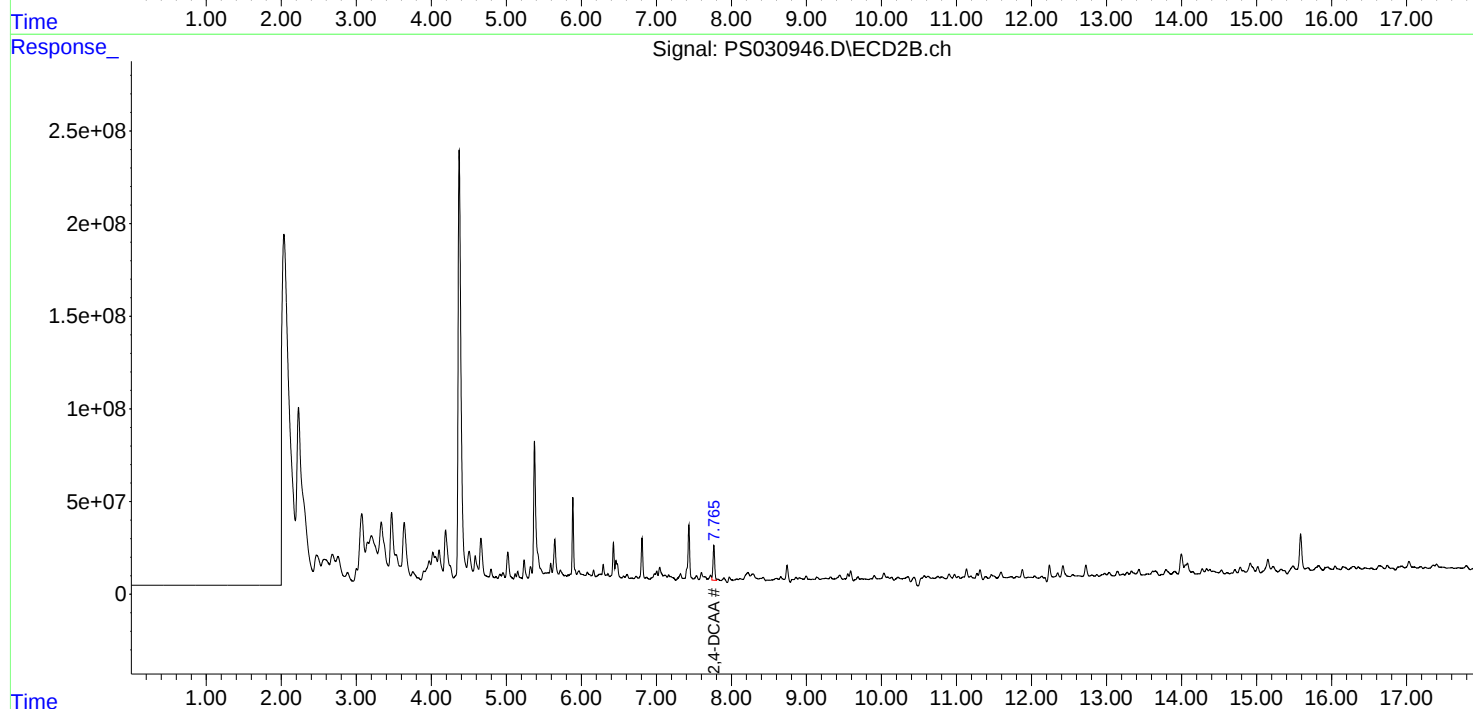
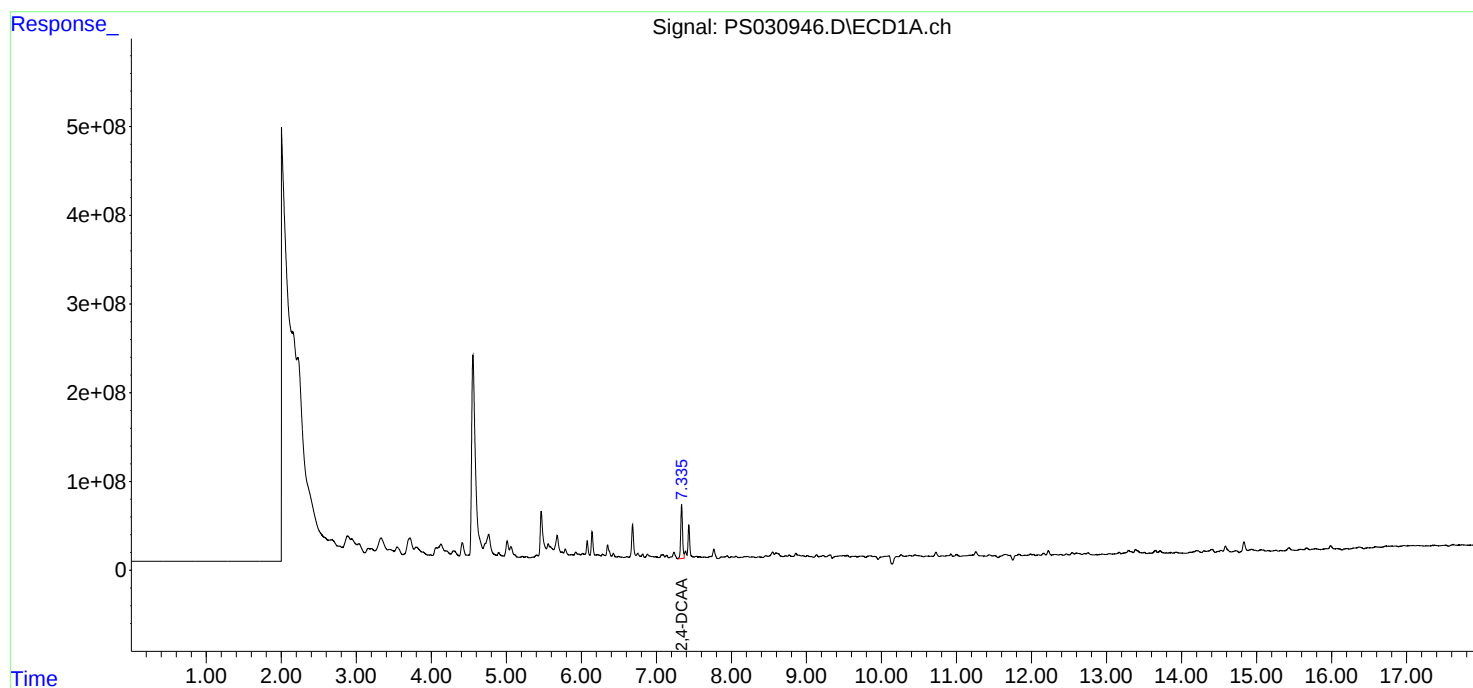
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

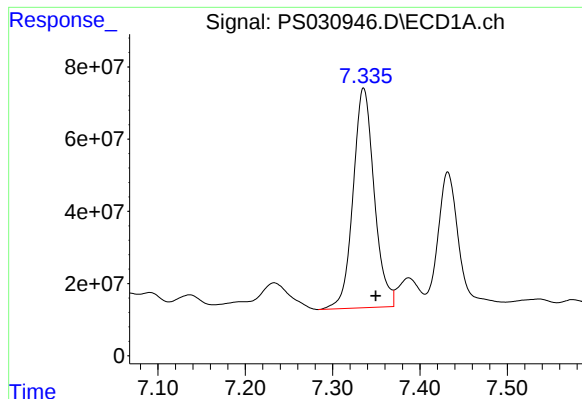
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 11:55
Operator : AR\AJ
Sample : Q2458-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-76

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:35:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

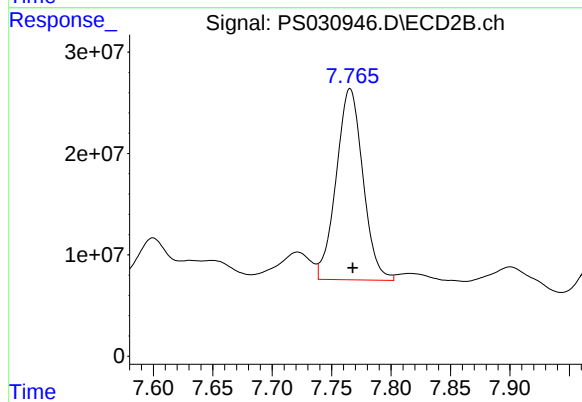




#4 2,4-DCAA

R.T.: 7.336 min
Delta R.T.: -0.014 min
Response: 1022663856
Conc: 278.32 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-76



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 294966422
Conc: 275.16 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-55	SDG No.:	Q2458
Lab Sample ID:	Q2458-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030918.D	1	07/02/25 11:30	07/07/25 10:37	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.2	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.2	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.2	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.2	ug/Kg
94-82-6	2,4-DB	26.4	U	26.4	73.2	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	60.6		10 - 141	12%	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\PS070725\
 Data File : PS030918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:37
 Operator : AR\AJ
 Sample : Q2458-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-55

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:50:08 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.765	220.6E6	64969699	60.037m	60.608m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:37
Operator : AR\AJ
Sample : Q2458-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

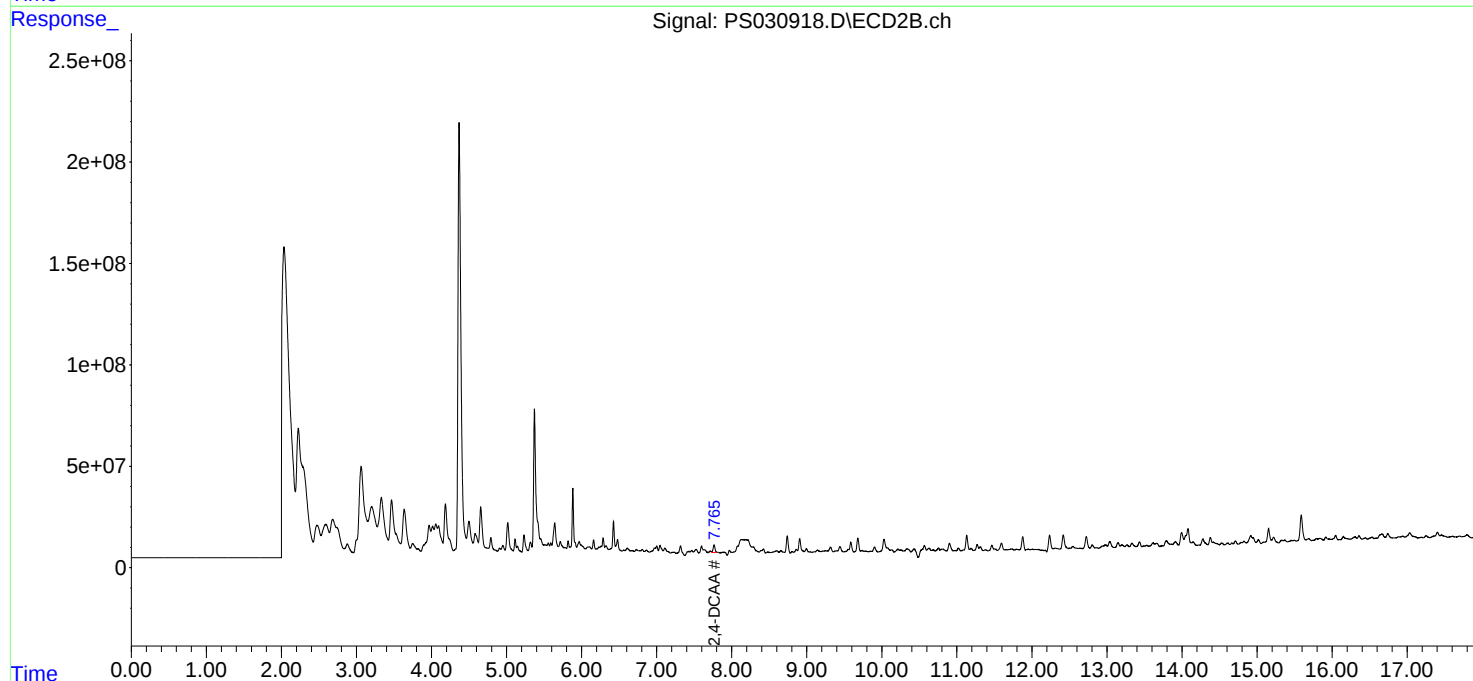
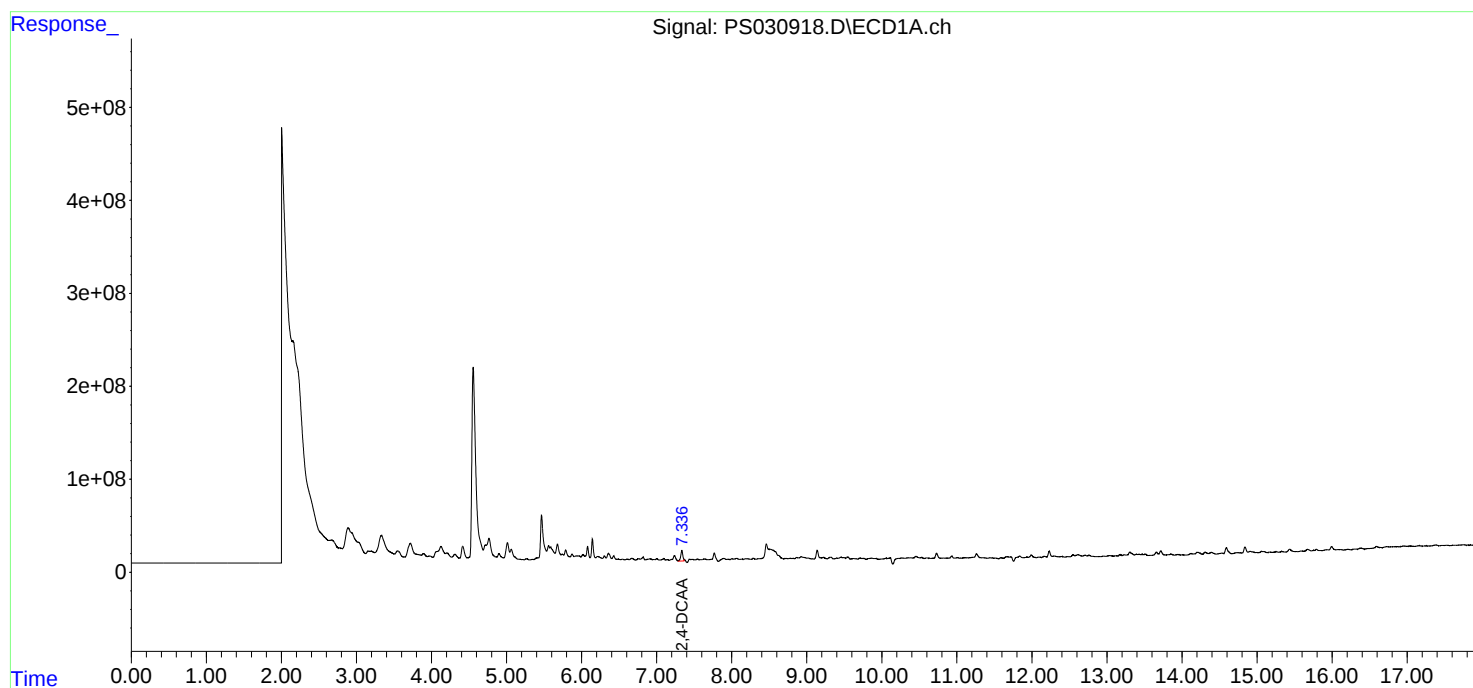
Instrument :
ECD_S
ClientSampleId :
TP-55

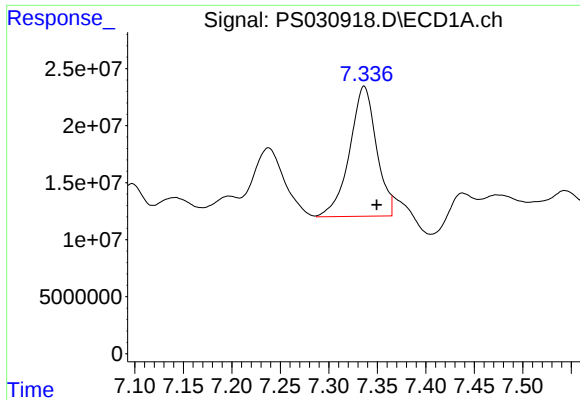
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





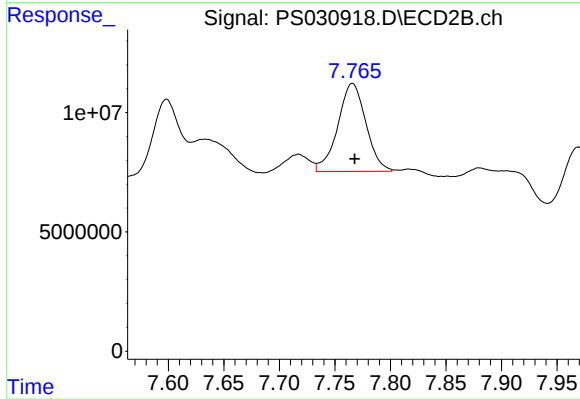
#4 2,4-DCAA

R.T.: 7.336 min
Delta R.T.: -0.014 min
Response: 220600303
Conc: 60.04 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-55

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.002 min
Response: 64969699
Conc: 60.61 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-68	SDG No.:	Q2458
Lab Sample ID:	Q2458-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030919.D	1	07/02/25 11:30	07/07/25 11:01	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.5	ug/Kg
120-36-5	DICHLORPROP	13.9	U	13.9	72.5	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.5	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.5	ug/Kg
94-82-6	2,4-DB	26.2	U	26.2	72.5	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	262		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\PS070725\
 Data File : PS030919.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:01
 Operator : AR\AJ
 Sample : Q2458-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-68

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:50:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.765	961.8E6	267.7E6	261.752	249.731

Target Compounds

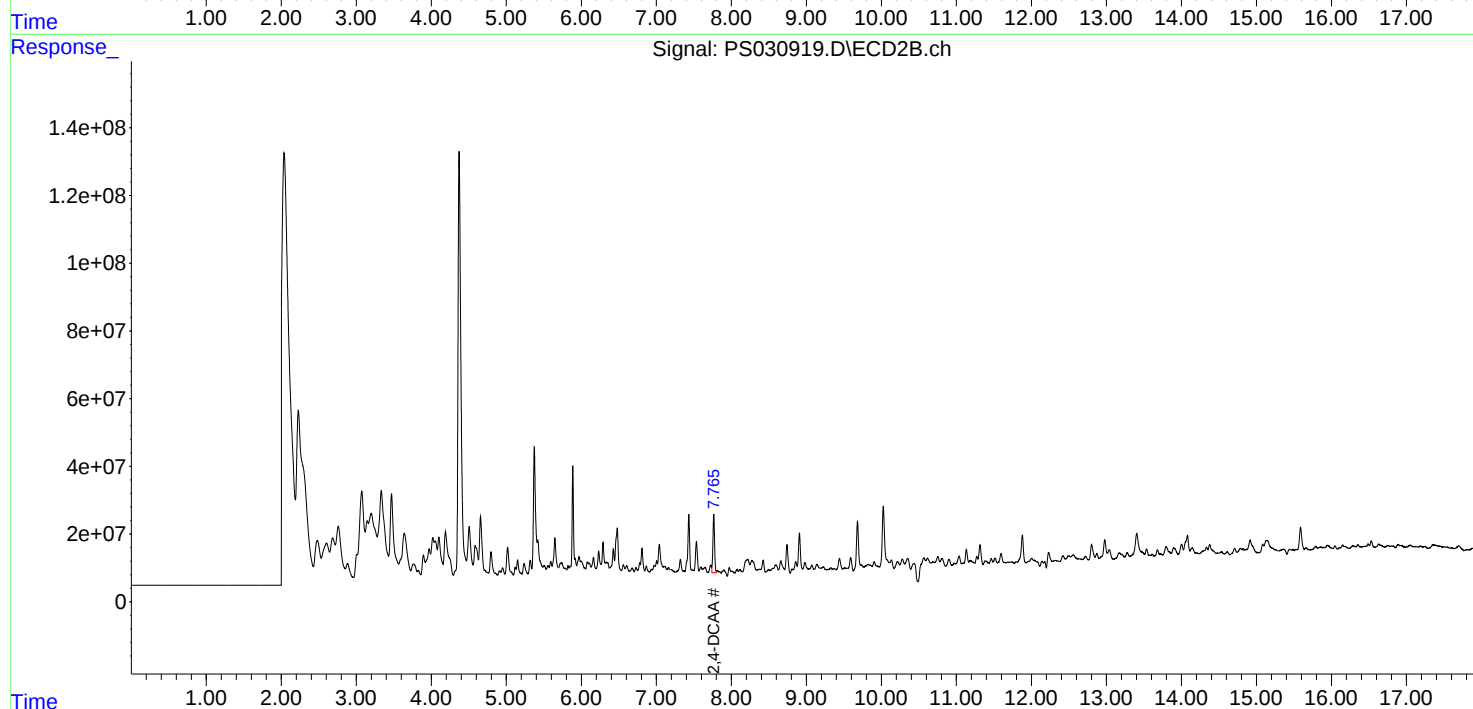
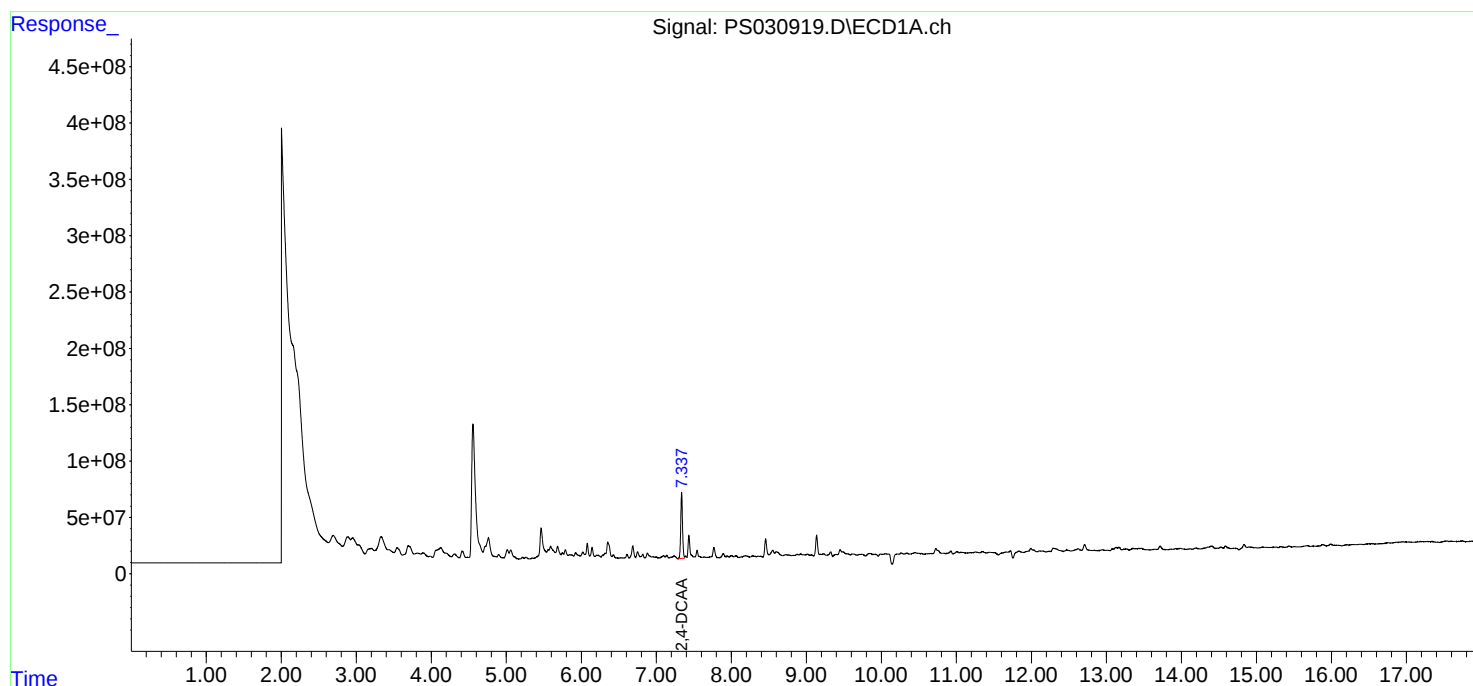
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

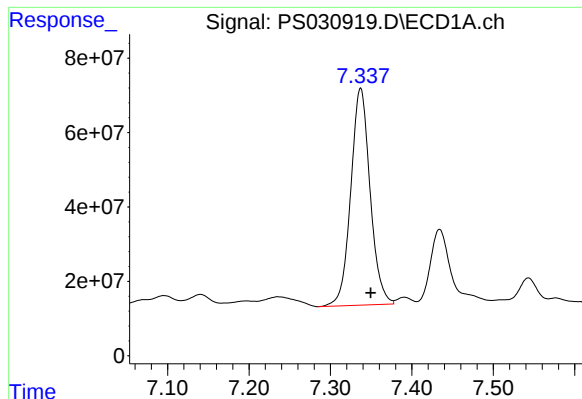
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:01
Operator : AR\AJ
Sample : Q2458-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-68

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

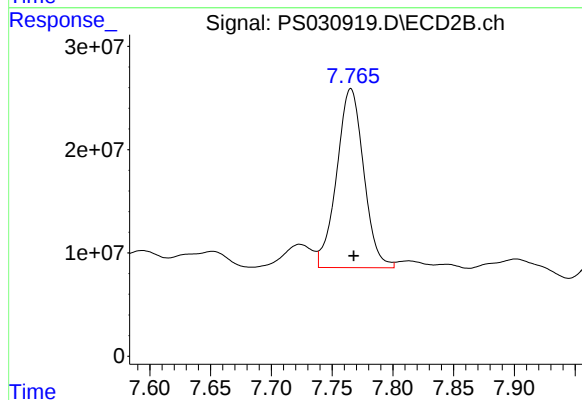




#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 961779733
Conc: 261.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-68



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 267702088
Conc: 249.73 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-67	SDG No.:	Q2458
Lab Sample ID:	Q2458-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030920.D	1	07/02/25 11:30	07/07/25 11:26	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.60	U	8.60	74.5	ug/Kg
120-36-5	DICHLORPROP	14.2	U	14.2	74.5	ug/Kg
94-75-7	2,4-D	10.1	U	10.1	74.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.5	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.5	ug/Kg
94-82-6	2,4-DB	26.9	U	26.9	74.5	ug/Kg
88-85-7	DINOSEB	12.0	U	12.0	74.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	352		10 - 141	70%	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\PS070725\
 Data File : PS030920.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:26
 Operator : AR\AJ
 Sample : Q2458-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-67

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:50:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.766	1285.8E6	377.6E6	349.924	352.252

Target Compounds

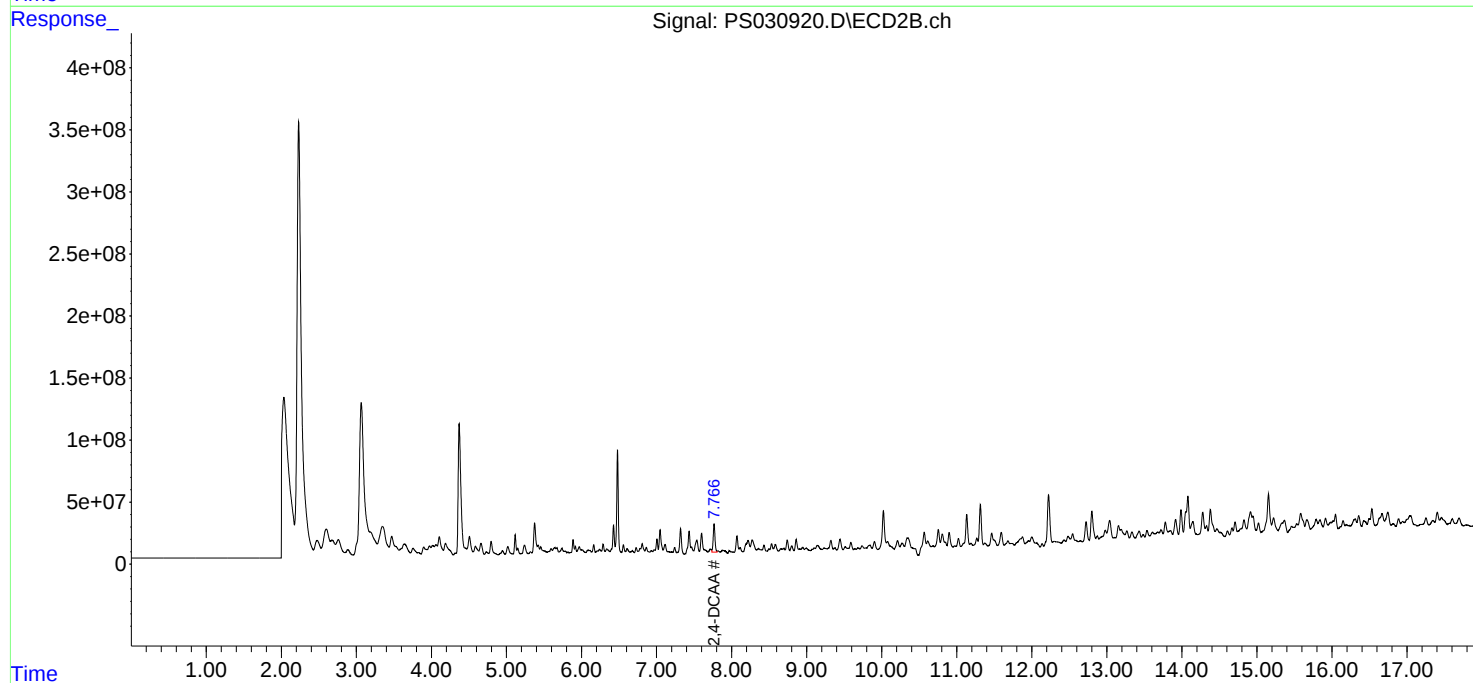
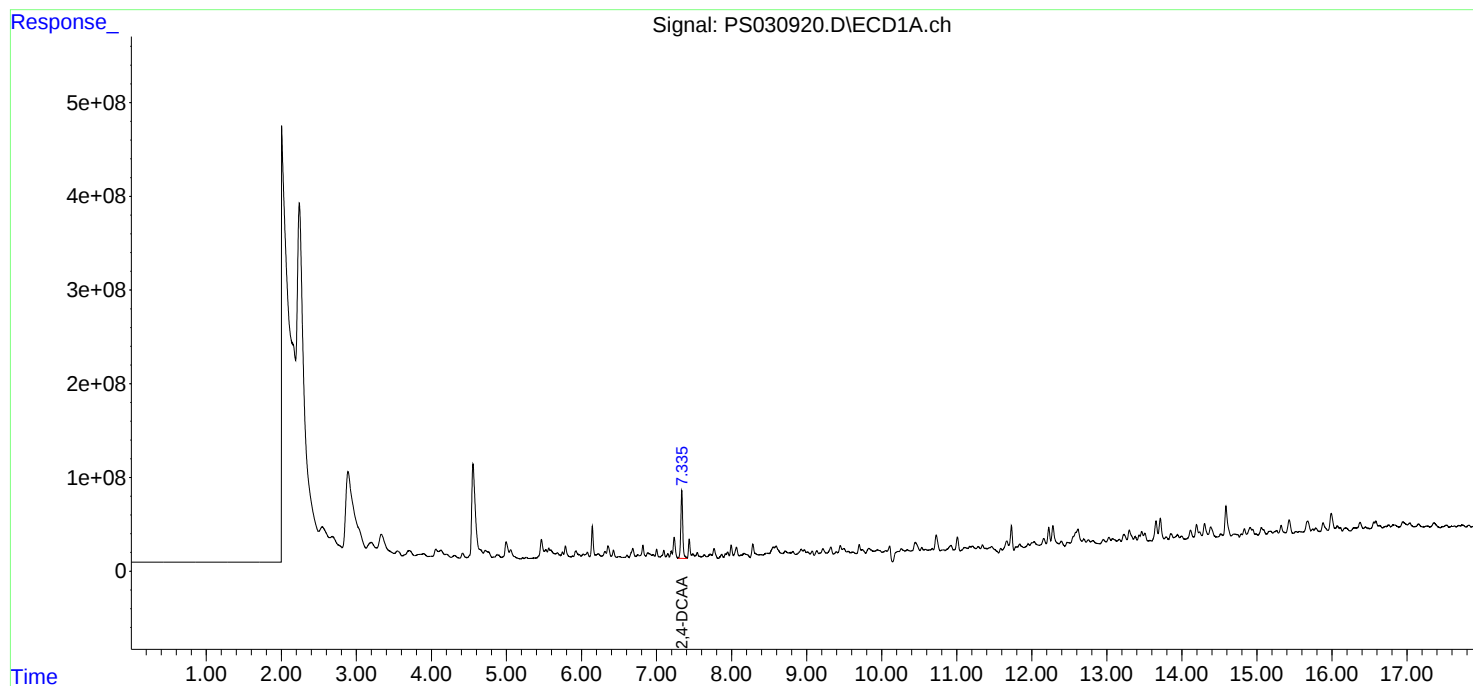
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

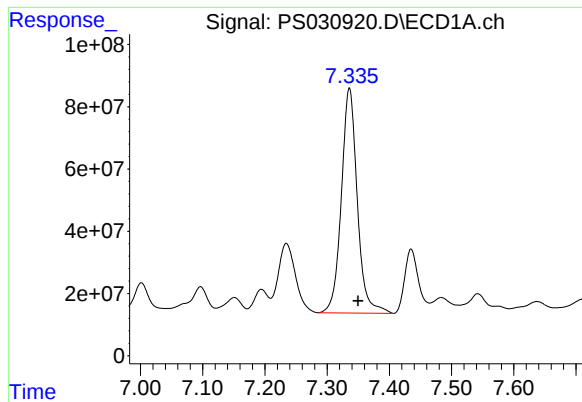
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:26
Operator : AR\AJ
Sample : Q2458-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-67

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.336 min

Delta R.T.: -0.014 min

Response: 1285758414

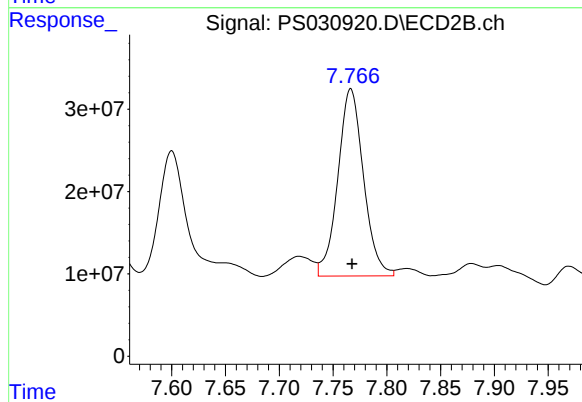
Conc: 349.92 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-67



#4 2,4-DCAA

R.T.: 7.766 min

Delta R.T.: -0.001 min

Response: 377601517

Conc: 352.25 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-66	SDG No.:	Q2458
Lab Sample ID:	Q2458-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.3
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030921.D	1	07/02/25 11:30	07/07/25 11:50	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.80	U	8.80	75.8	ug/Kg
120-36-5	DICHLORPROP	14.5	U	14.5	75.8	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.8	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.8	ug/Kg
94-82-6	2,4-DB	27.4	U	27.4	75.8	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	260		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\PS070725\
 Data File : PS030921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 11:50
 Operator : AR\AJ
 Sample : Q2458-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-66

Manual Integrations
APPROVED

Reviewed By :Abdul
 Mirza
 07/08/2025

Supervised By :mohammad
 ahmed
 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:50:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.767	793.7E6	278.7E6	216.004	260.002m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 11:50
Operator : AR\AJ
Sample : Q2458-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-66

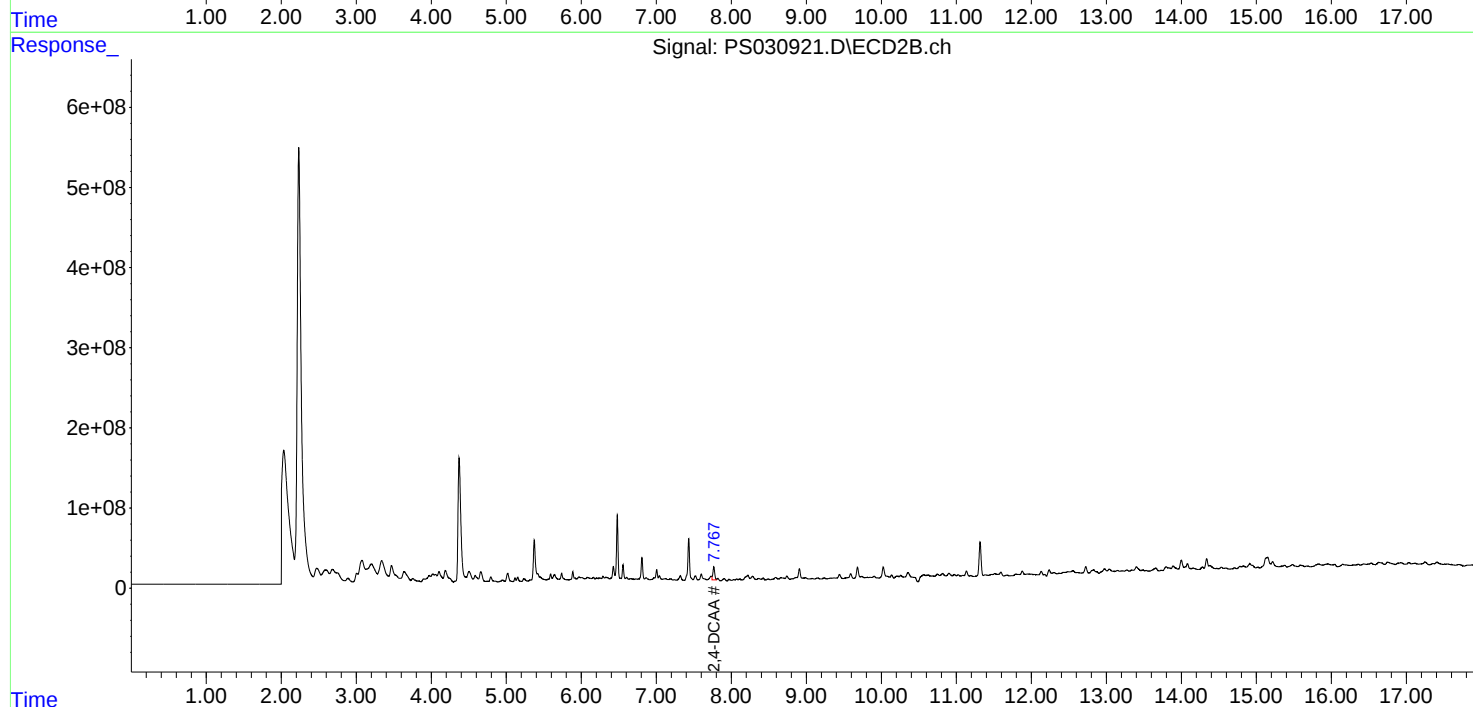
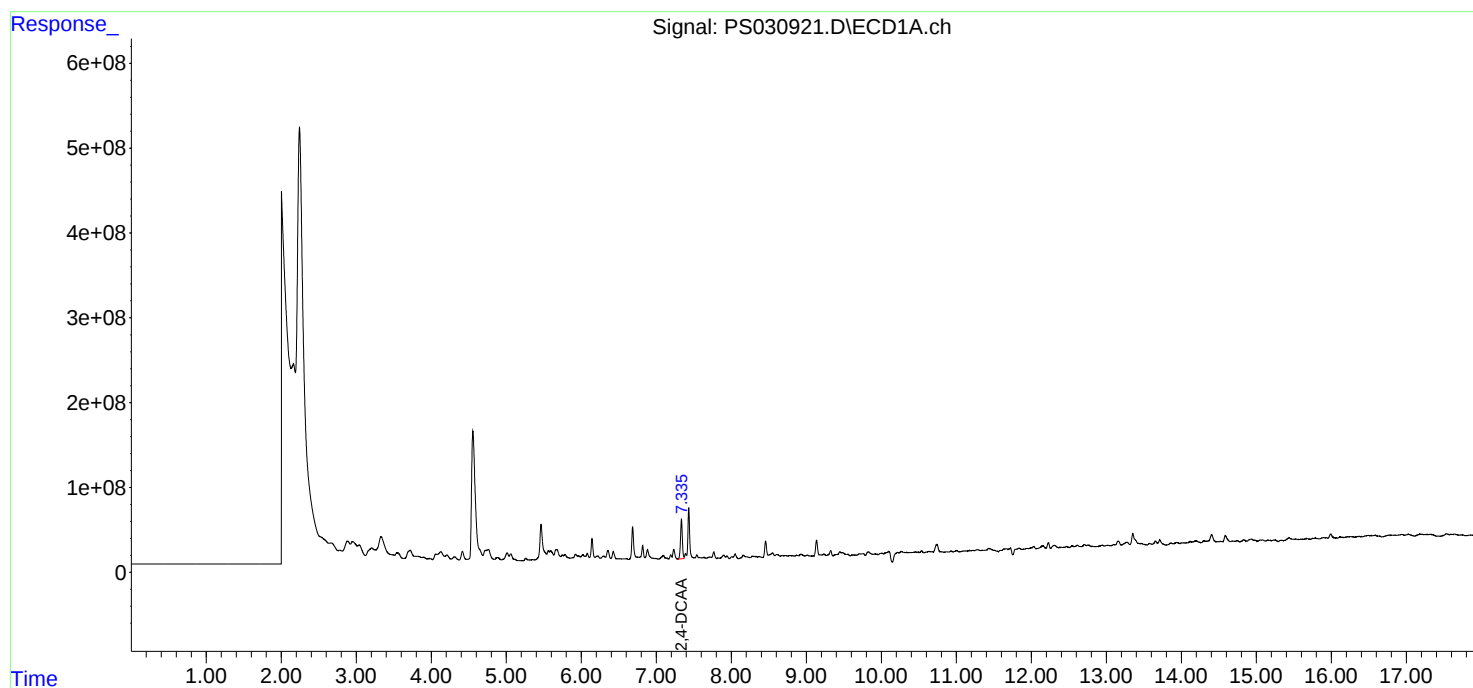
Manual Integrations
APPROVED

Reviewed By : Abdul
Mirza
07/08/2025

Supervised By : mohammad
ahmed
07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

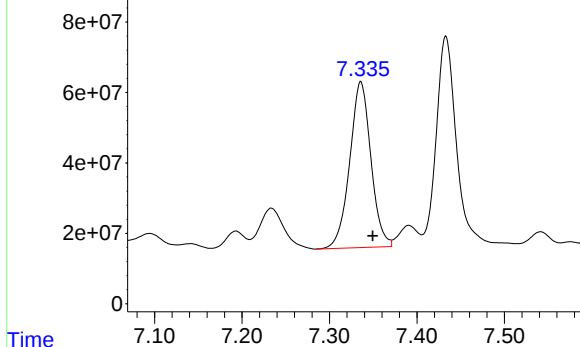
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS030921.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.336 min
Delta R.T.: -0.014 min
Response: 793684386
Conc: 216.00 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-66

Manual Integrations
APPROVED

Reviewed By :Abdul
Mirza
07/08/2025

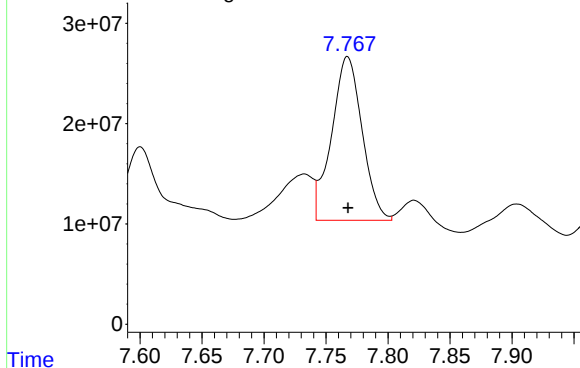
Supervised By :mohammad
ahmed
07/10/2025

Time

Response_

Signal: PS030921.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 278712332
Conc: 260.00 ng/ml m

Time

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-60	SDG No.:	Q2458
Lab Sample ID:	Q2458-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.5
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030922.D	1	07/02/25 11:30	07/07/25 12:14	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.3	ug/Kg
120-36-5	DICHLORPROP	13.8	U	13.8	72.3	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.3	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.3	ug/Kg
94-82-6	2,4-DB	26.1	U	26.1	72.3	ug/Kg
88-85-7	DINOSEB	11.6	U	11.6	72.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	174		10 - 141	35%	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\PS070725\
Data File : PS030922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:14
Operator : AR\AJ
Sample : Q2458-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-60

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.766	609.0E6	186.4E6	165.749	173.871m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:14
Operator : AR\AJ
Sample : Q2458-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

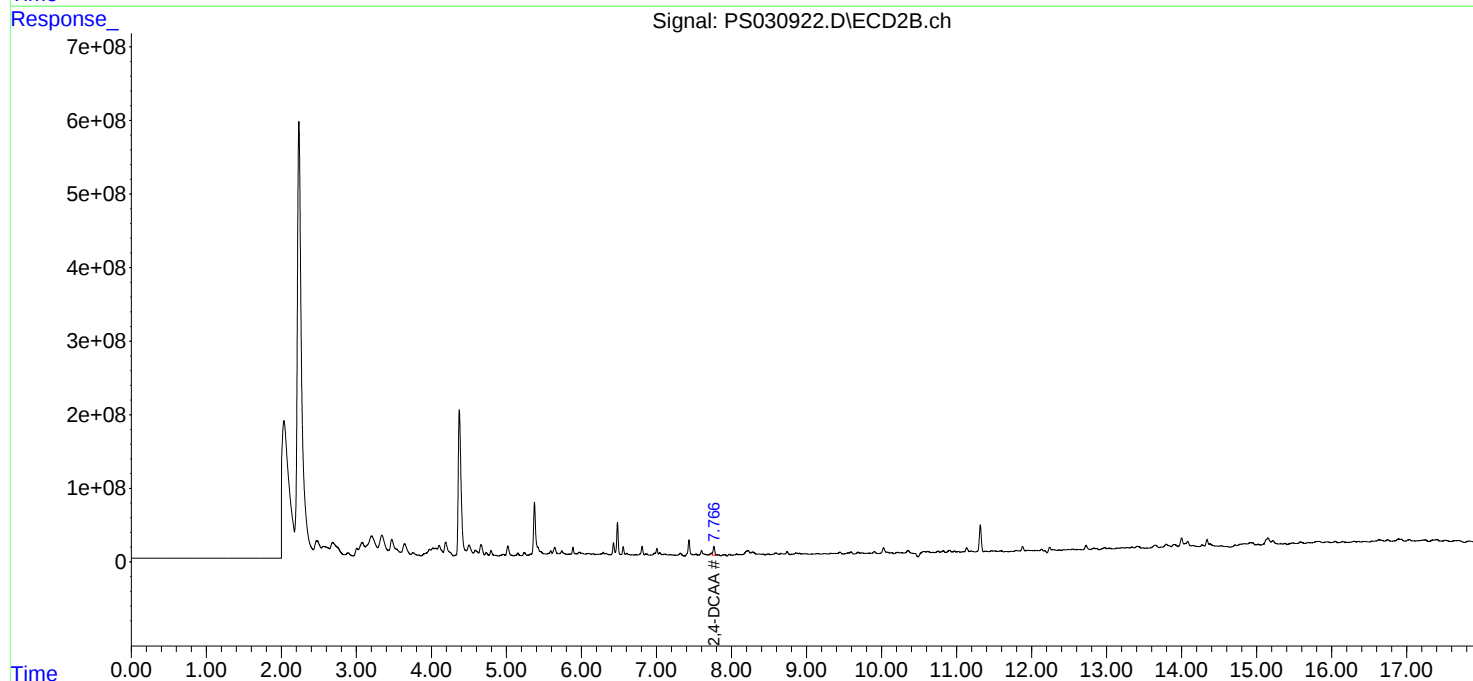
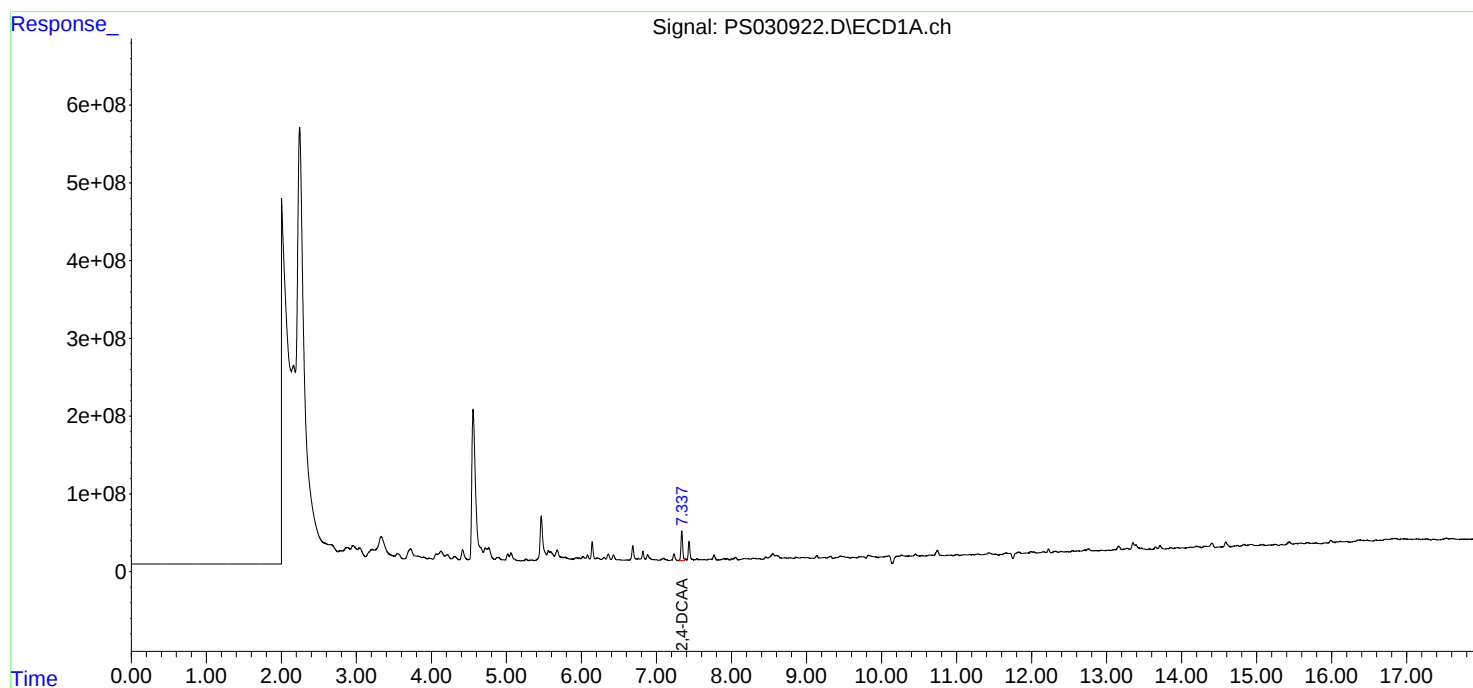
Instrument :
ECD_S
ClientSampleId :
TP-60

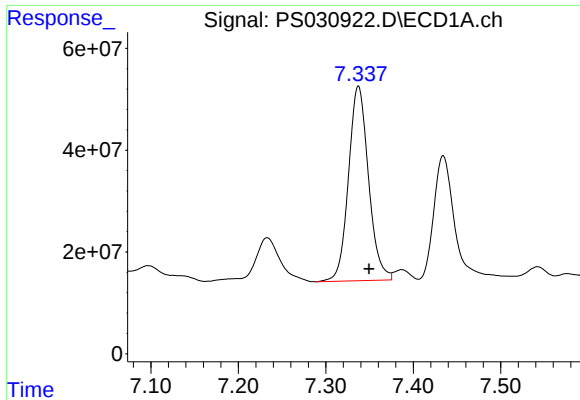
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:50:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





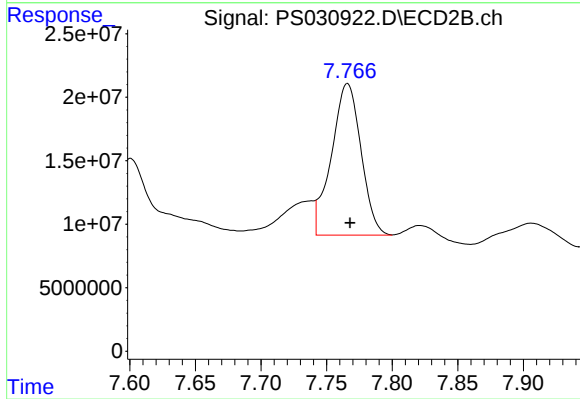
#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 609027172
Conc: 165.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-60

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 186383874
Conc: 173.87 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-62	SDG No.:	Q2458
Lab Sample ID:	Q2458-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.1
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030923.D	1	07/02/25 11:30	07/07/25 12:38	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.5	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.5	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.5	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.5	ug/Kg
94-82-6	2,4-DB	26.5	U	26.5	73.5	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	75.5		10 - 141	15%	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\PS070725\
Data File : PS030923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:38
Operator : AR\AJ
Sample : Q2458-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-62

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.764	256.8E6	80941079	69.896	75.507

Target Compounds

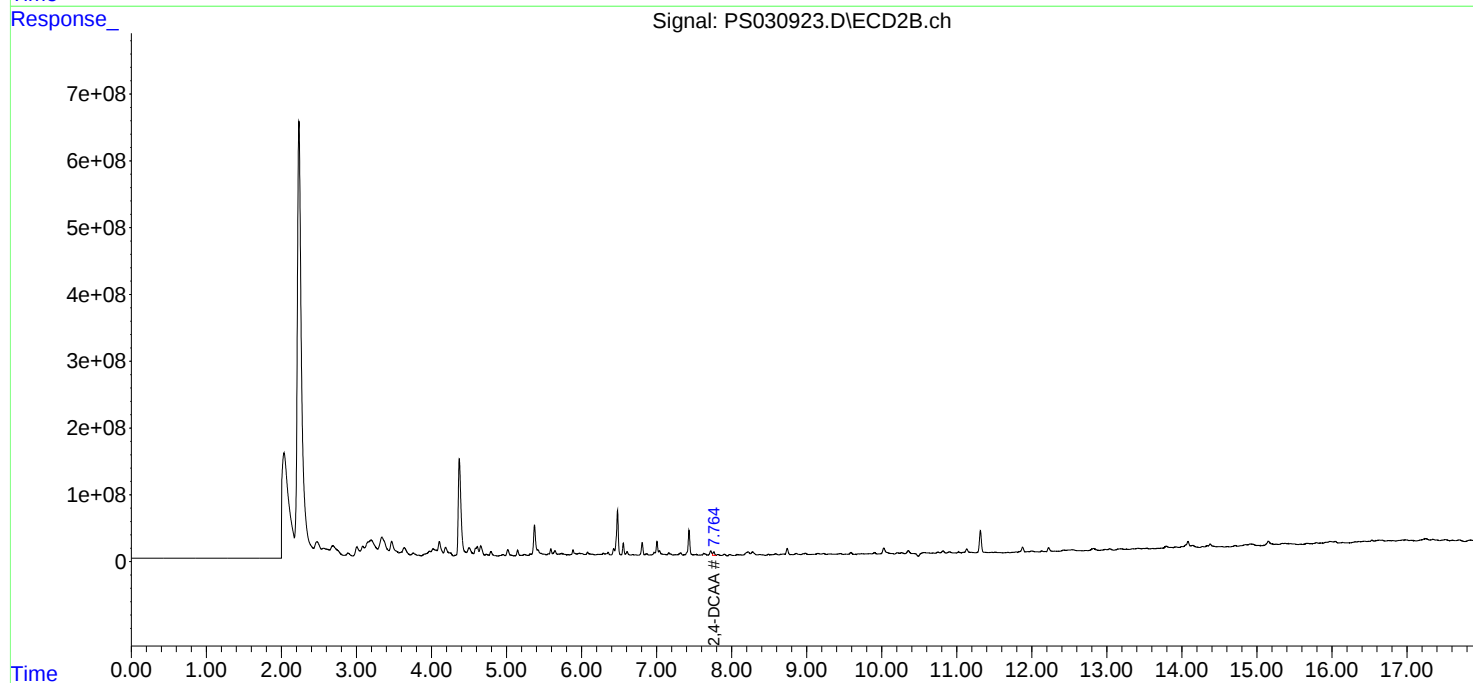
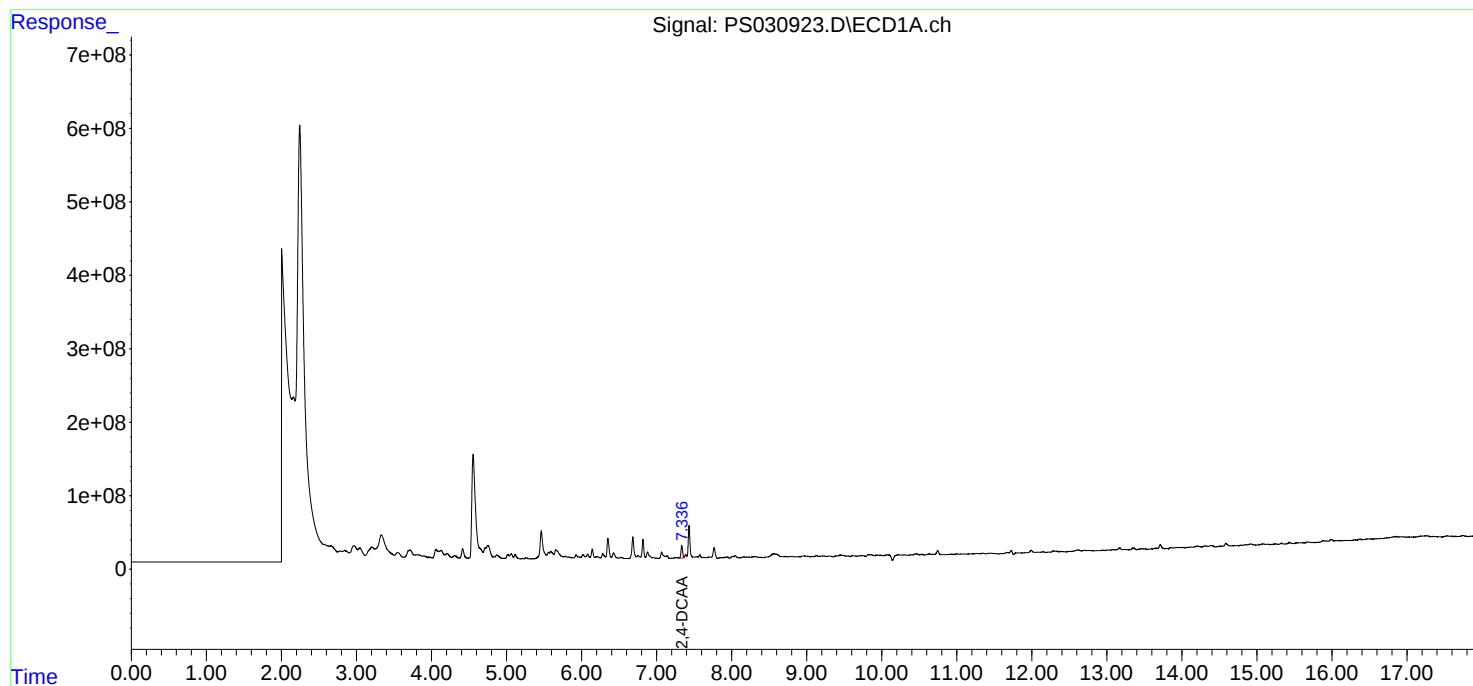
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

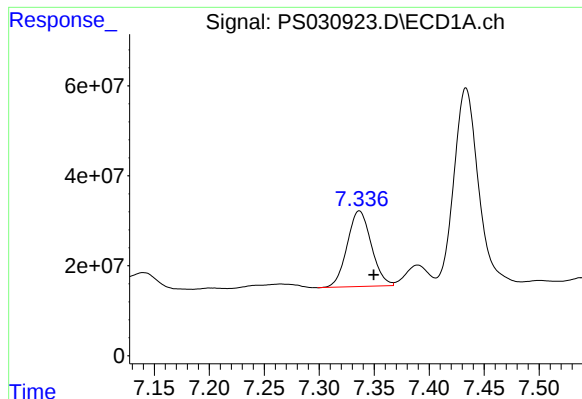
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 12:38
Operator : AR\AJ
Sample : Q2458-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-62

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

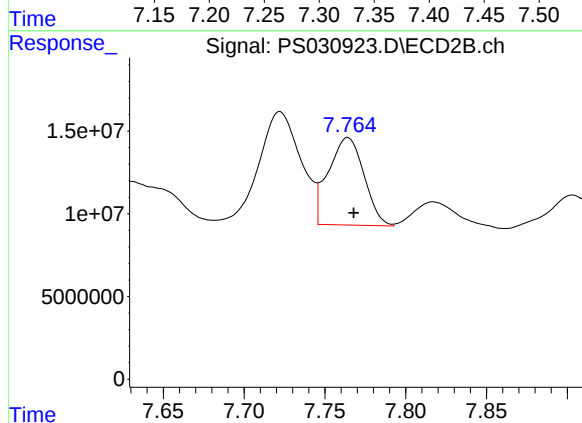




#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.013 min
Response: 256824873
Conc: 69.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-62



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 80941079
Conc: 75.51 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-63	SDG No.:	Q2458
Lab Sample ID:	Q2458-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030924.D	1	07/02/25 11:30	07/07/25 13:02	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.4	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.4	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.4	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.4	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.4	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	121		10 - 141	24%	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\PS070725\
Data File : PS030924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:02
Operator : AR\AJ
Sample : Q2458-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-63

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.766	374.1E6	129.9E6	101.825m	121.174

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:02
Operator : AR\AJ
Sample : Q2458-08
Misc :
ALS Vial : 10 Sample Multiplier: 1

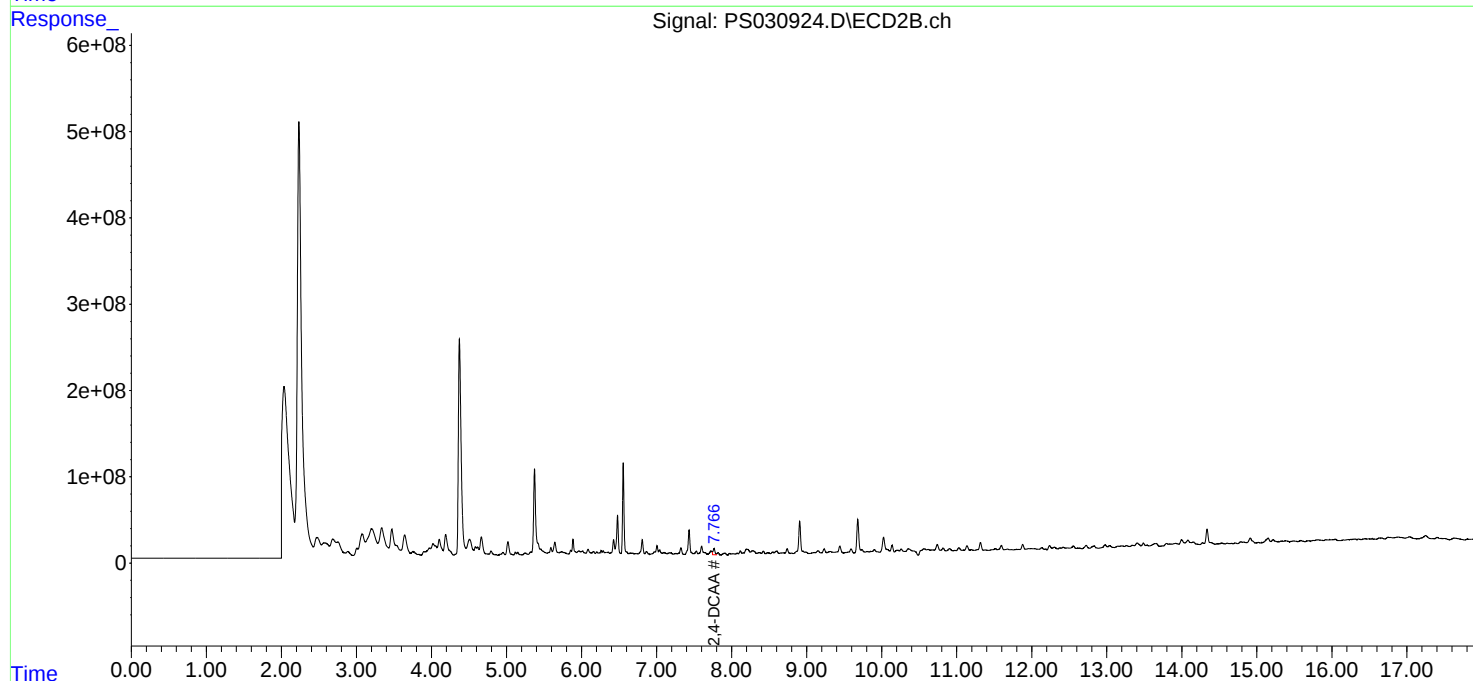
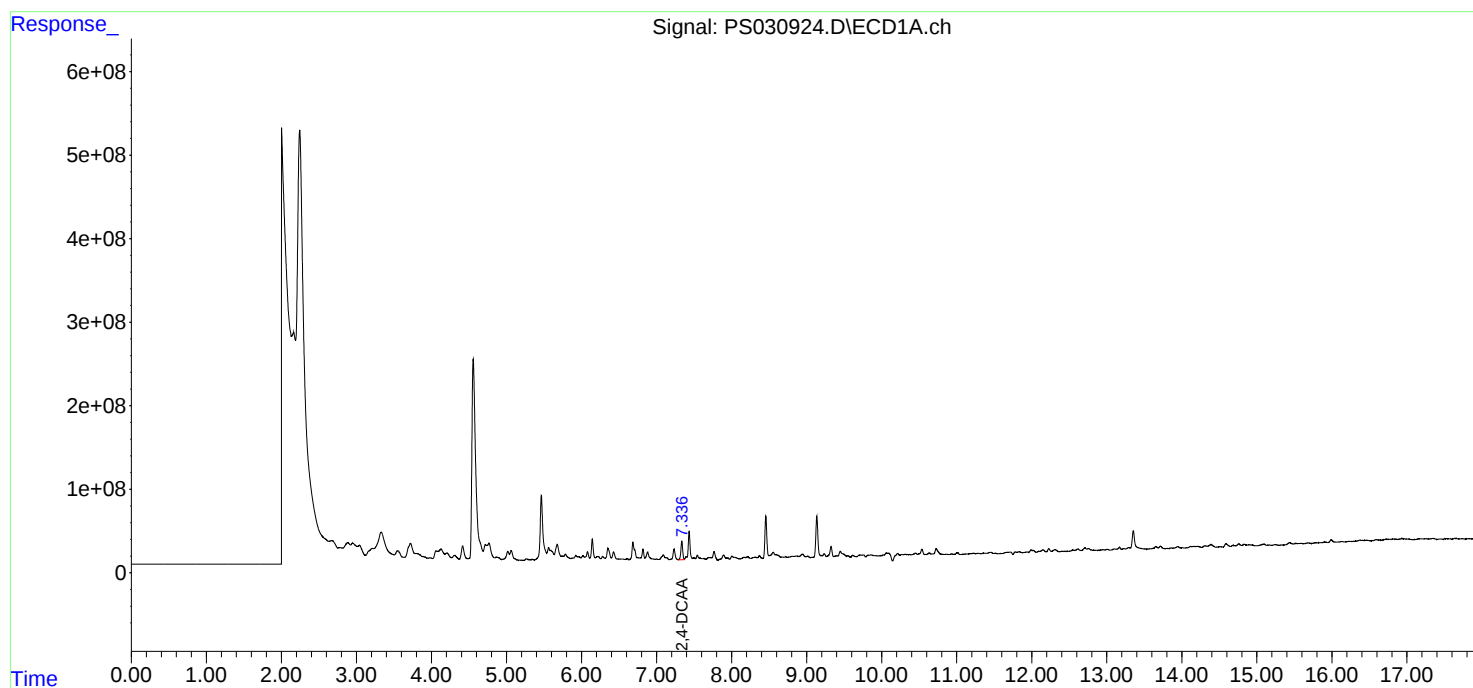
Instrument :
ECD_S
ClientSampleId :
TP-63

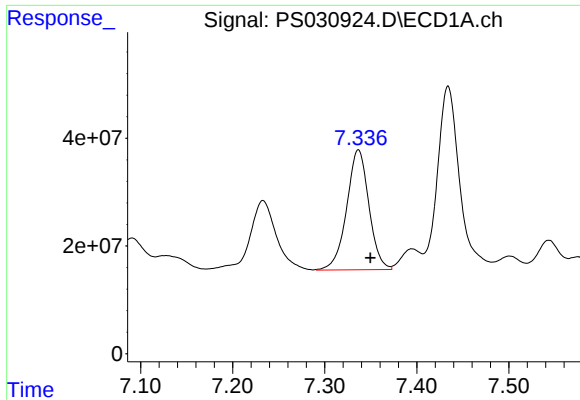
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





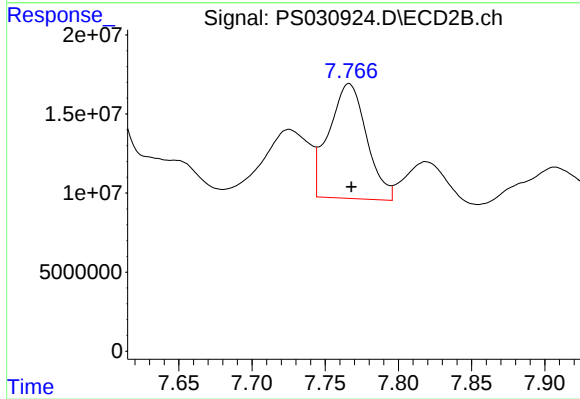
#4 2,4-DCAA

R.T.: 7.336 min
Delta R.T.: -0.013 min
Response: 374146563
Conc: 101.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-63

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 129894078
Conc: 121.17 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-59	SDG No.:	Q2458
Lab Sample ID:	Q2458-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	76.6
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030925.D	1	07/02/25 11:30	07/07/25 13:27	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.1	U	10.1	87.2	ug/Kg
120-36-5	DICHLORPROP	16.7	U	16.7	87.2	ug/Kg
94-75-7	2,4-D	11.8	U	11.8	87.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.8	U	11.8	87.2	ug/Kg
93-76-5	2,4,5-T	11.3	U	11.3	87.2	ug/Kg
94-82-6	2,4-DB	31.5	U	31.5	87.2	ug/Kg
88-85-7	DINOSEB	14.1	U	14.1	87.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	223		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\PS070725\
 Data File : PS030925.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 13:27
 Operator : AR\AJ
 Sample : Q2458-09
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-59

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:51:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.765	784.3E6	239.0E6	213.458	222.986m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 13:27
Operator : AR\AJ
Sample : Q2458-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

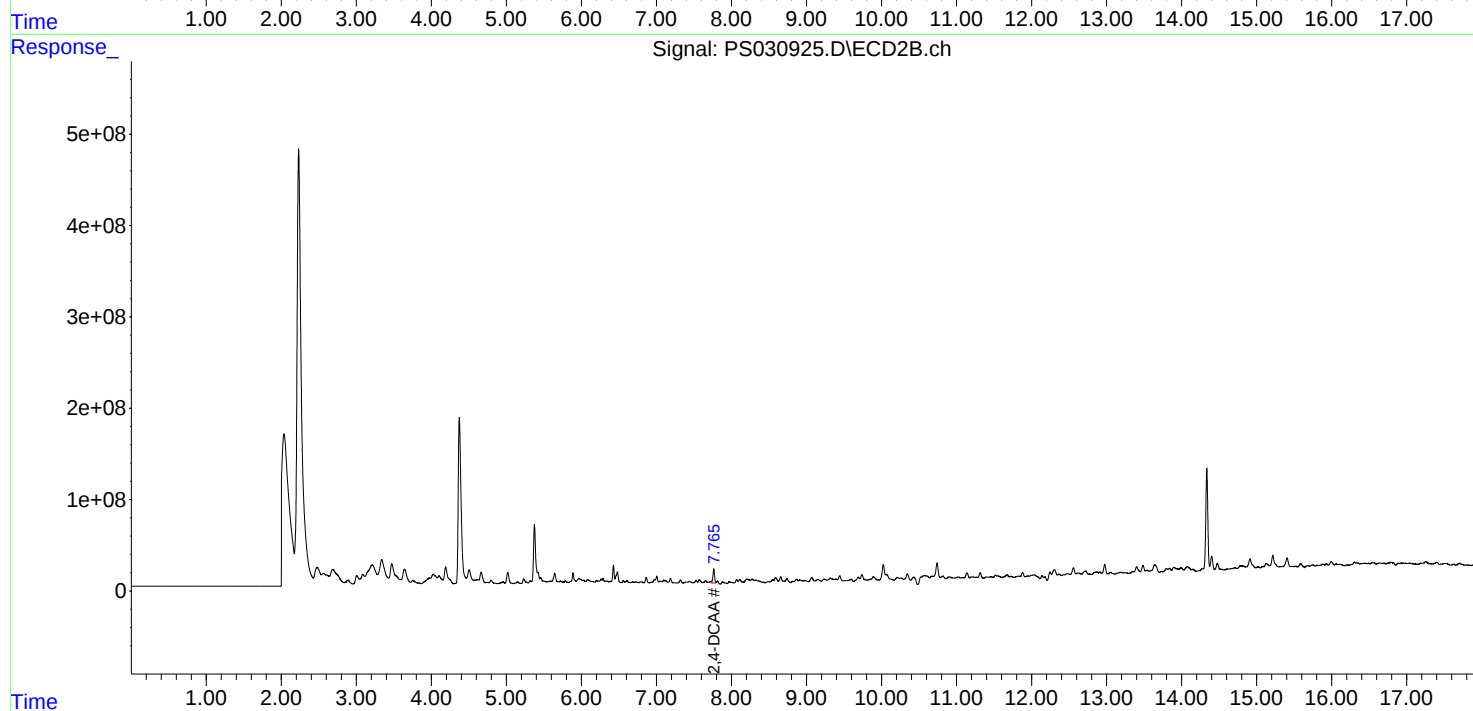
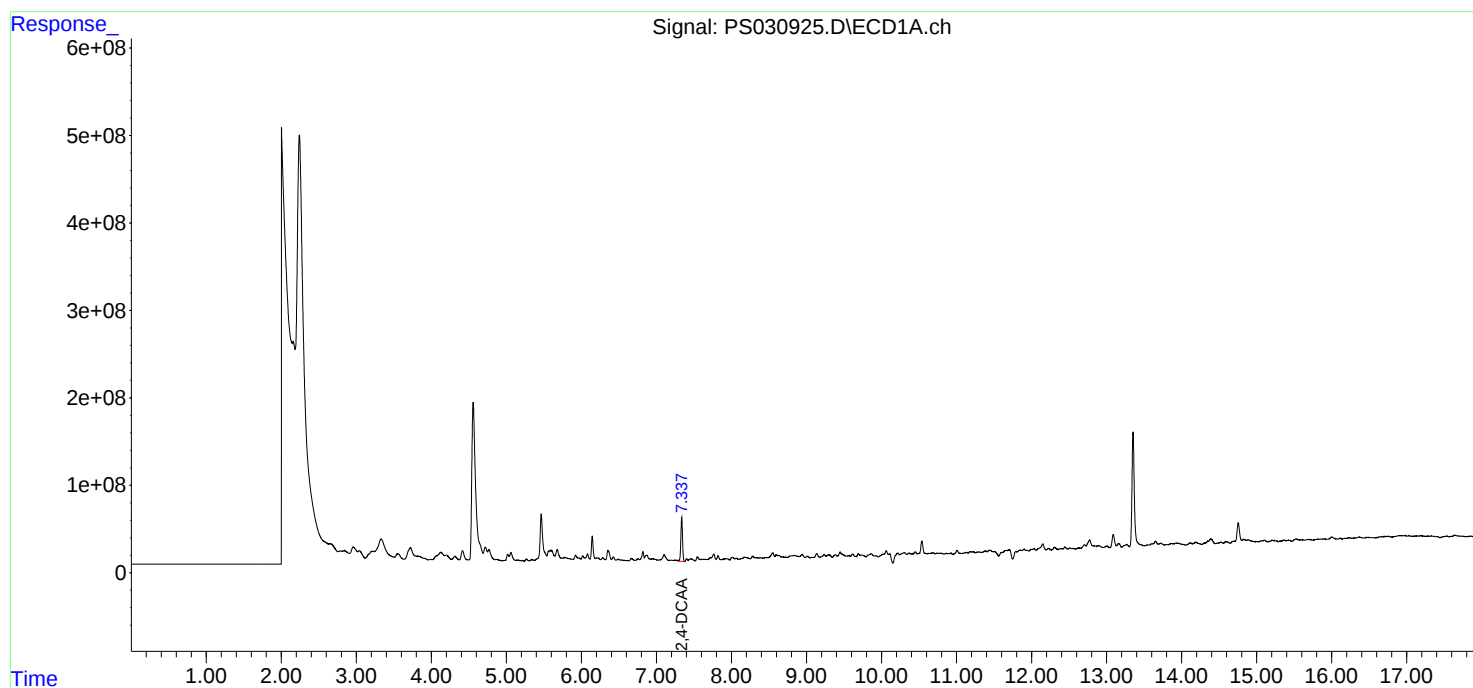
Instrument :
ECD_S
ClientSampleId :
TP-59

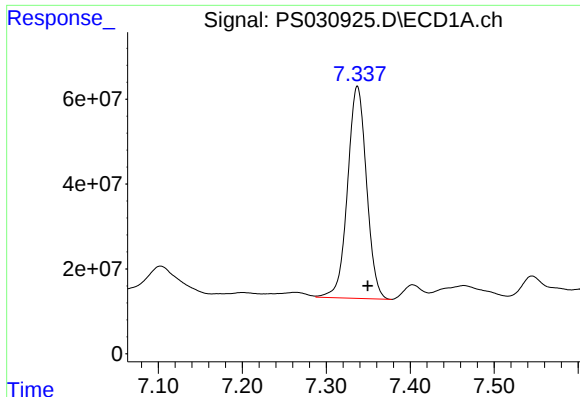
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/08/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





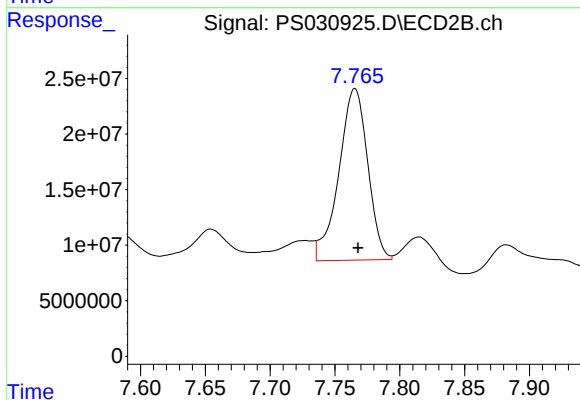
#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 784329257
Conc: 213.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-59

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 239033228
Conc: 222.99 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	FB-06272025	SDG No.:	Q2458
Lab Sample ID:	Q2458-10	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030954.D	1	07/03/25 08:57	07/08/25 15:16	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.66	U	0.66	2.00	ug/L
120-36-5	DICHLORPROP	0.78	U	0.78	2.00	ug/L
94-75-7	2,4-D	0.94	U	0.94	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.80	U	0.80	2.00	ug/L
93-76-5	2,4,5-T	0.72	U	0.72	2.00	ug/L
94-82-6	2,4-DB	0.66	U	0.66	2.00	ug/L
88-85-7	DINOSEB	0.91	U	0.91	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	448		61 - 136	90%	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\PS070825\
Data File : PS030954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:16
Operator : AR\AJ
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
FB-06272025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:38:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.338	7.769	1604.7E6	480.0E6	436.737	447.761

Target Compounds

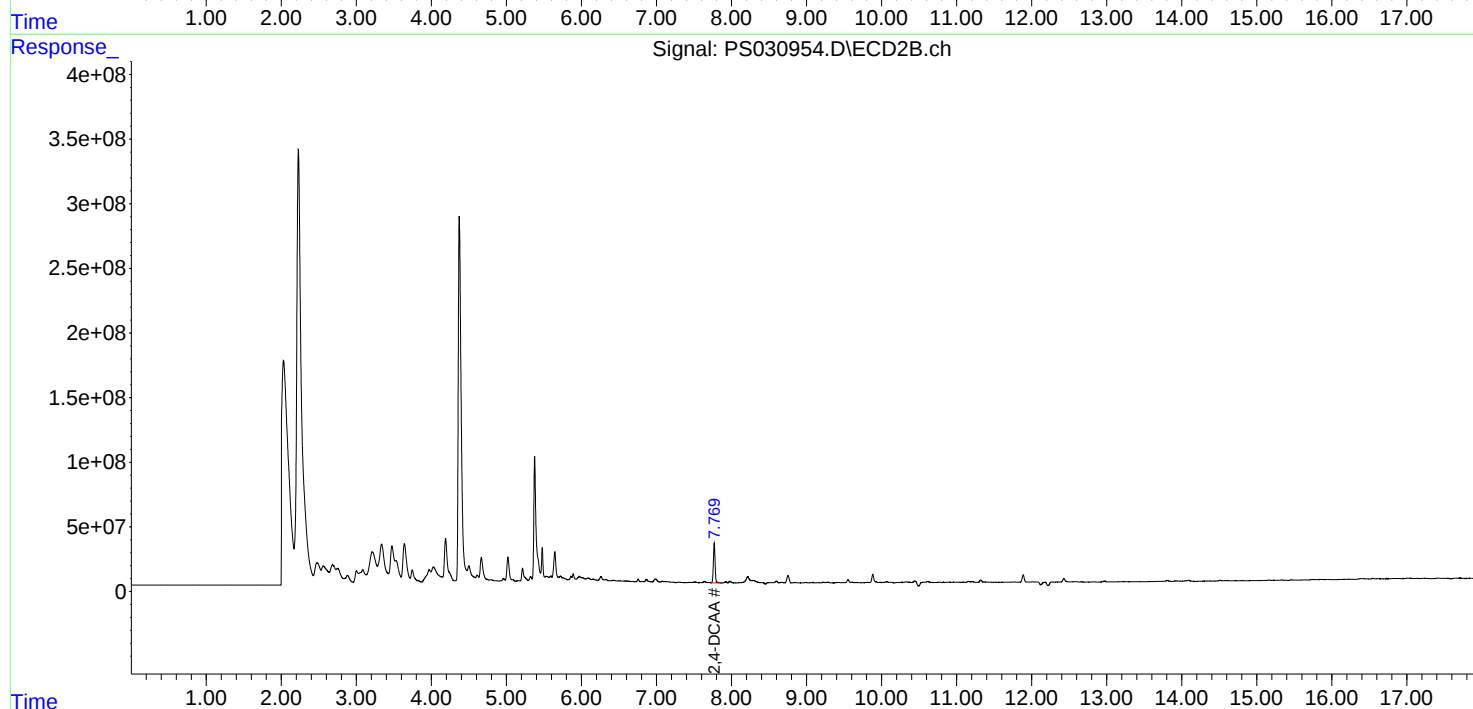
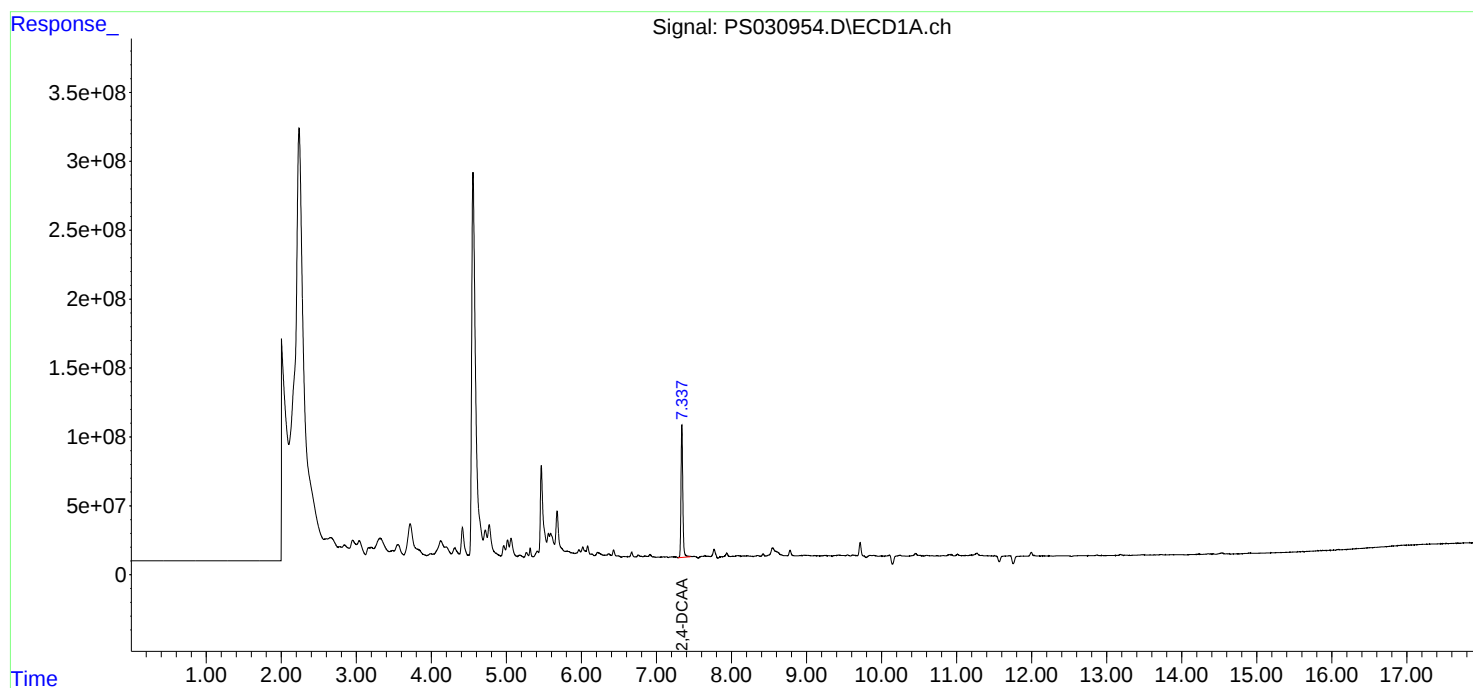
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

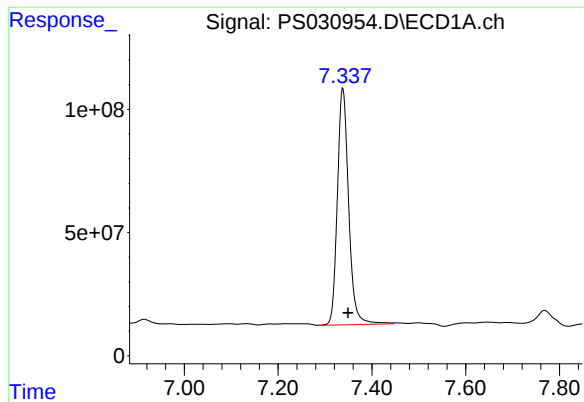
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030954.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:16
Operator : AR\AJ
Sample : Q2458-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
FB-06272025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:38:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

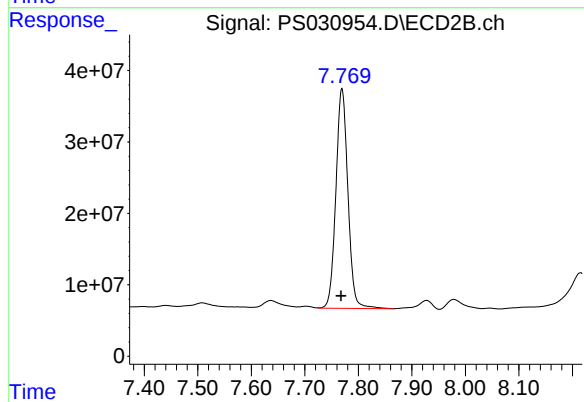




#4 2,4-DCAA

R.T.: 7.338 min
Delta R.T.: -0.012 min
Response: 1604742645
Conc: 436.74 ng/ml

Instrument :
ECD_S
ClientSampleId :
FB-06272025



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 479983336
Conc: 447.76 ng/ml



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: **CAMP02**

Lab Code: ACE

SDG NO.: Q2458

Instrument ID: ECD_S

Calibration Date(s): **06/18/2025** **06/18/2025**

Calibration Times: **11:25** **13:29**

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

LAB FILE ID:	RT 200 =	<u>PS030739.D</u>	RT 500 =	<u>PS030740.D</u>
RT 750 =	PS030741.D	RT 1000 =	PS030742.D	RT 1500 =
				PS030743.D

[illegible]

Calibration Times: **11:25** **13:29**

LAB FILE ID:	RT 200 =	<u>PS030739.D</u>	RT 500 =	<u>PS030740.D</u>
	RT 750 =	PS030741.D	RT 1000 =	PS030742.D
			RT 1500 =	PS030743.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Instrument ID: ECD_S

Calibration Date(s): 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

GC Column: RTX-CLP

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030739.D</u>	CF 500 =	<u>PS030740.D</u>		
CF 750 =		<u>PS030741.D</u>	CF 1000 =	<u>PS030742.D</u>	CF 1500 =	<u>PS030743.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	17256700000	16680000000	16830000000	16187900000	15311000000	16453200000	5
2,4,5-TP(Silvex)	22282500000	20395400000	19977900000	18863900000	18632300000	20030400000	7
2,4-D	3868070000	3398090000	3305570000	3150720000	3499600000	3444410000	8
2,4-DB	2481600000	2363020000	2407410000	2376040000	1839440000	2293500000	11
2,4-DCAA	4451200000	3788090000	3593380000	3449860000	3089450000	3674390000	14
DICAMBA	17792700000	15914300000	15443300000	14605900000	12319200000	15215100000	13
DICHLORPROP	4637630000	3720970000	3496760000	3281660000	3591790000	3745760000	14
Dinoseb	15211800000	14001800000	13914000000	13244000000	12994300000	13873200000	6



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Instrument ID: ECD_S

Calibration Date(s): 06/18/2025 06/18/2025

Calibration Times: 11:25 13:29

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS030739.D</u>	CF 500 =	<u>PS030740.D</u>		
CF 750 =		<u>PS030741.D</u>	CF 1000 =	<u>PS030742.D</u>	CF 1500 =	<u>PS030743.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	15648900000	14018900000	13695900000	12933300000	12026100000	13664600000	10
2,4,5-TP(Silvex)	16493700000	14706300000	14316500000	13463300000	13163600000	14428700000	9
2,4-D	1965540000	1671750000	1622570000	1523690000	1713470000	1699410000	10
2,4-DB	1373320000	1199380000	1163600000	1108750000	1069470000	1182900000	10
2,4-DCAA	1283250000	1084080000	1050700000	993038000	948747000	1071960000	12
DICAMBA	7304970000	6653080000	6566460000	6277600000	5963960000	6553210000	8
DICHLORPROP	1855180000	1562920000	1498450000	1412800000	1533120000	1572500000	11
Dinoseb	12099400000	10862400000	10728600000	10218500000	9997410000	10781200000	8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030739.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 11:25
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 13:36:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 18 13:31:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.350	7.769	890.2E6	256.7E6	238.920	237.129
Target Compounds							
1) T	Dalapon	2.708	2.710	1216.6E6	586.5E6	209.922m	209.695
2) T	3,5-DICHL...	6.508	6.716	1200.4E6	355.0E6	220.928	217.928
3) T	4-Nitroph...	7.150	7.302	330.2E6	350.3E6	207.247	199.990
5) T	DICAMBA	7.540	7.972	3345.0E6	1373.3E6	213.508	207.020
6) T	MCP	7.718	8.067	159.0E6	35228767	16.559	16.286
7) T	MCPA	7.868	8.315	212.7E6	56624493	17.882	17.775
8) T	DICHLORPROP	8.254	8.691	871.9E6	348.8E6	236.185	225.527
9) T	2,4-D	8.487	9.027	727.2E6	369.5E6	214.344	221.836
10) T	Pentachlo...	8.794	9.551	12128.2E6	8330.8E6	234.117	217.854
11) T	2,4,5-TP ...	9.375	9.933	4233.7E6	3133.8E6	210.774	216.695
12) T	2,4,5-T	9.670	10.359	3278.8E6	2973.3E6	196.020	214.899
13) T	2,4-DB	10.249	10.927	471.5E6	260.9E6	193.094	218.864
14) T	DINOSEB	11.468	11.312	2859.8E6	2274.7E6	204.681	209.757
15) T	Picloram	11.278	12.421	3022.6E6	4586.9E6	185.564	196.104
16) T	DCPA	11.763	12.355	5510.6E6	4823.7E6	213.250	217.126

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030739.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:25
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

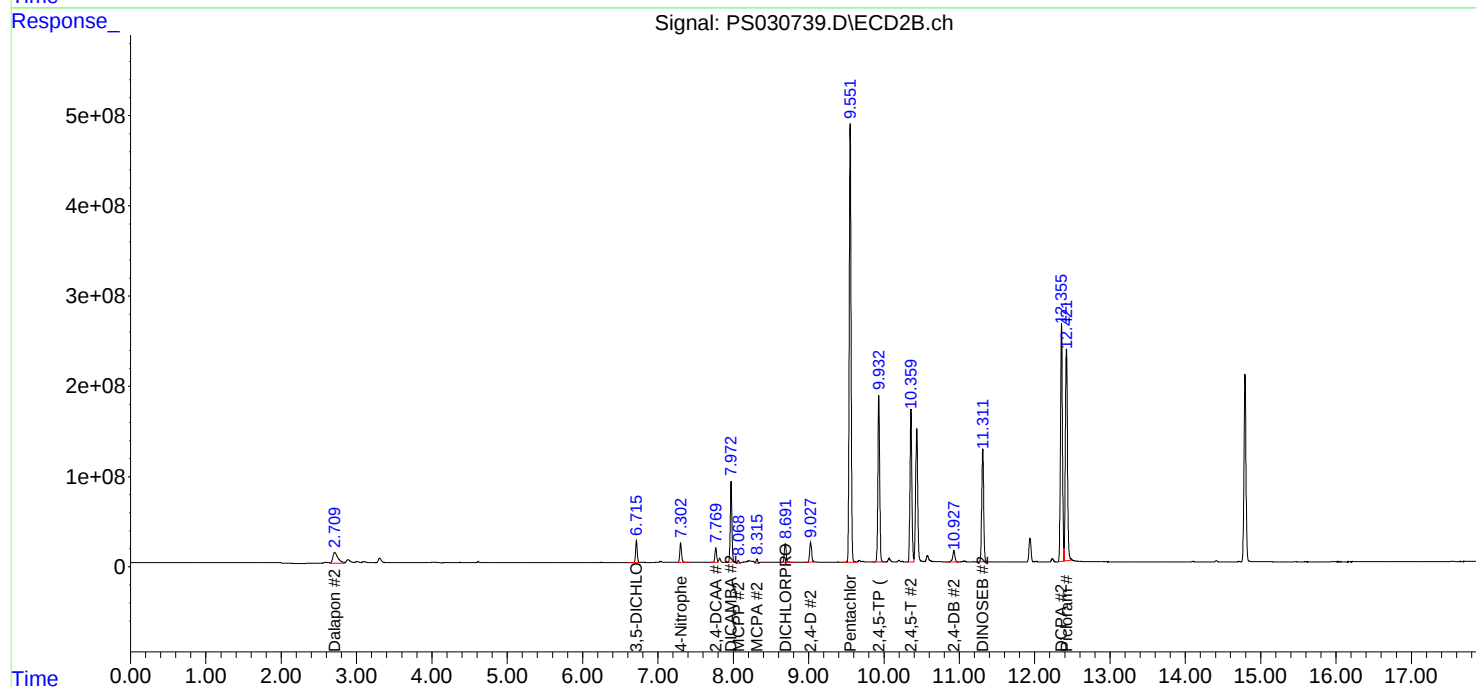
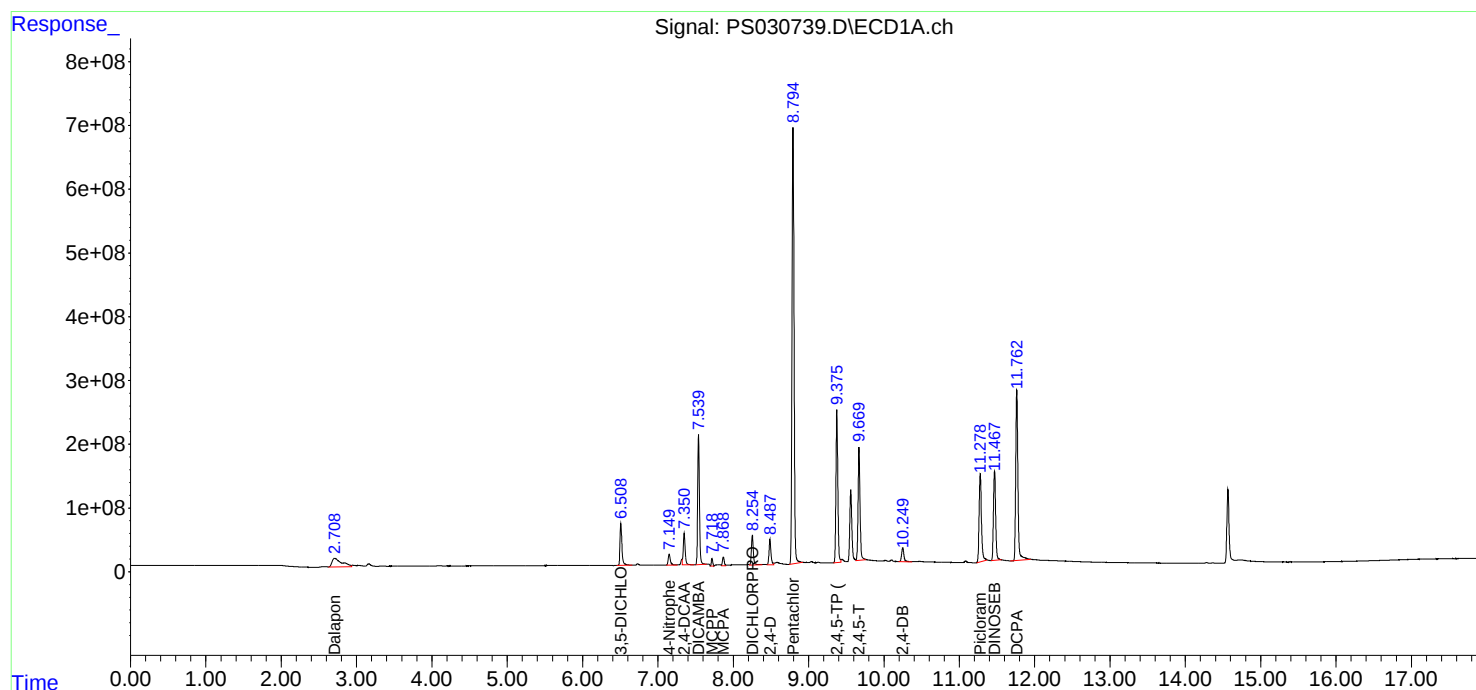
APPROVED

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:36:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030740.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 11:49
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 13:34:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 18 13:31:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.349	7.769	1894.0E6	542.0E6	534.313	525.189
Target Compounds							
1) T	Dalapon	2.708	2.709	2862.2E6	1279.7E6	484.339	475.652
2) T	3,5-DICHL...	6.508	6.715	2569.3E6	760.8E6	496.180	488.050
3) T	4-Nitroph...	7.149	7.302	729.5E6	790.6E6	474.299	462.739
5) T	DICAMBA	7.540	7.972	7479.7E6	3126.9E6	494.182	483.595
6) T	MCP	7.720	8.069	436.8E6	102.3E6	44.172	45.746
7) T	MCPA	7.870	8.318	540.3E6	147.9E6	45.001	45.908
8) T	DICHLORPROP	8.254	8.692	1748.9E6	734.6E6	506.186	499.946
9) T	2,4-D	8.487	9.027	1597.1E6	785.7E6	487.842	493.919
10) T	Pentachlo...	8.795	9.552	26722.4E6	18957.2E6	547.623	514.600
11) T	2,4,5-TP ...	9.376	9.933	9687.8E6	6985.5E6	495.865	500.612
12) T	2,4,5-T	9.670	10.359	7923.0E6	6659.0E6	477.455	497.589
13) T	2,4-DB	10.247	10.927	1122.4E6	569.7E6	461.548	496.724
14) T	DINOSEB	11.468	11.312	6580.8E6	5105.3E6	481.683	484.806
15) T	Picloram	11.277	12.420	7497.3E6	11149.1E6	457.602	480.512
16) T	DCPA	11.762	12.356	12752.8E6	10935.3E6	507.557	508.871

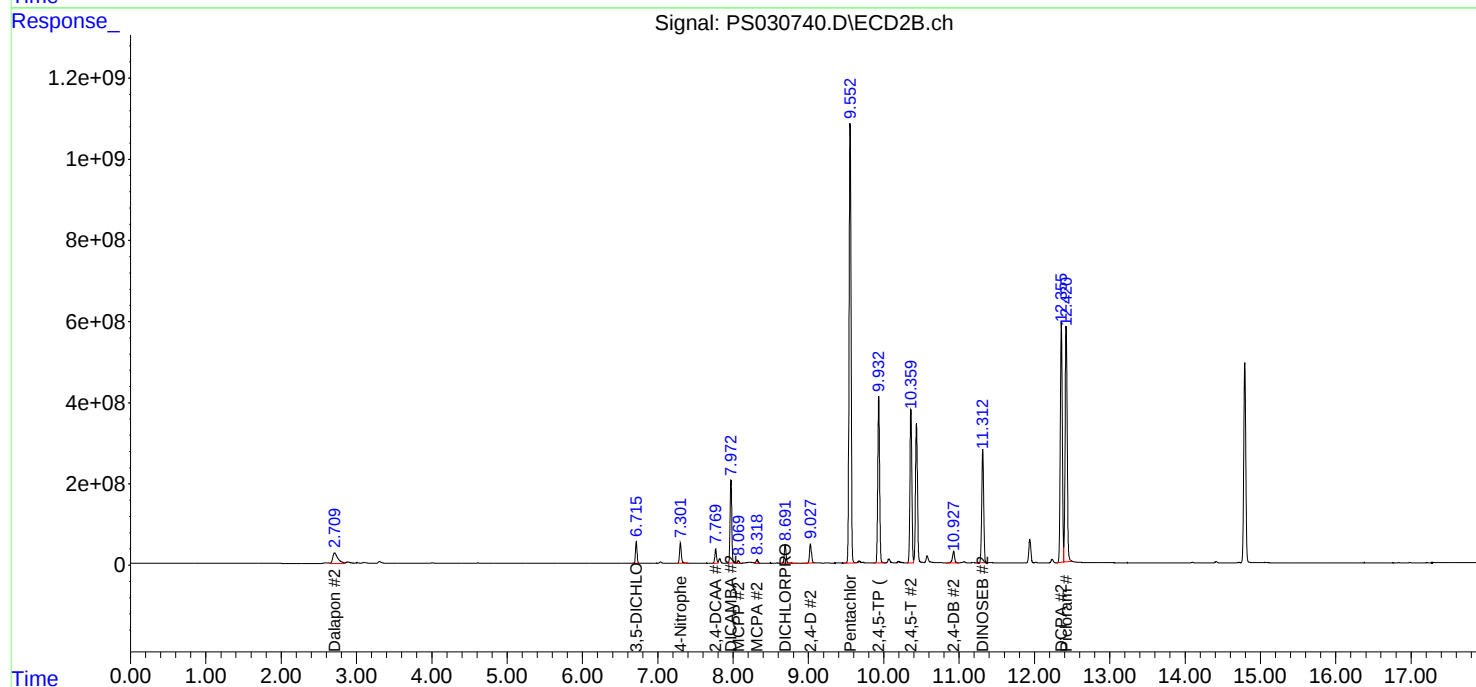
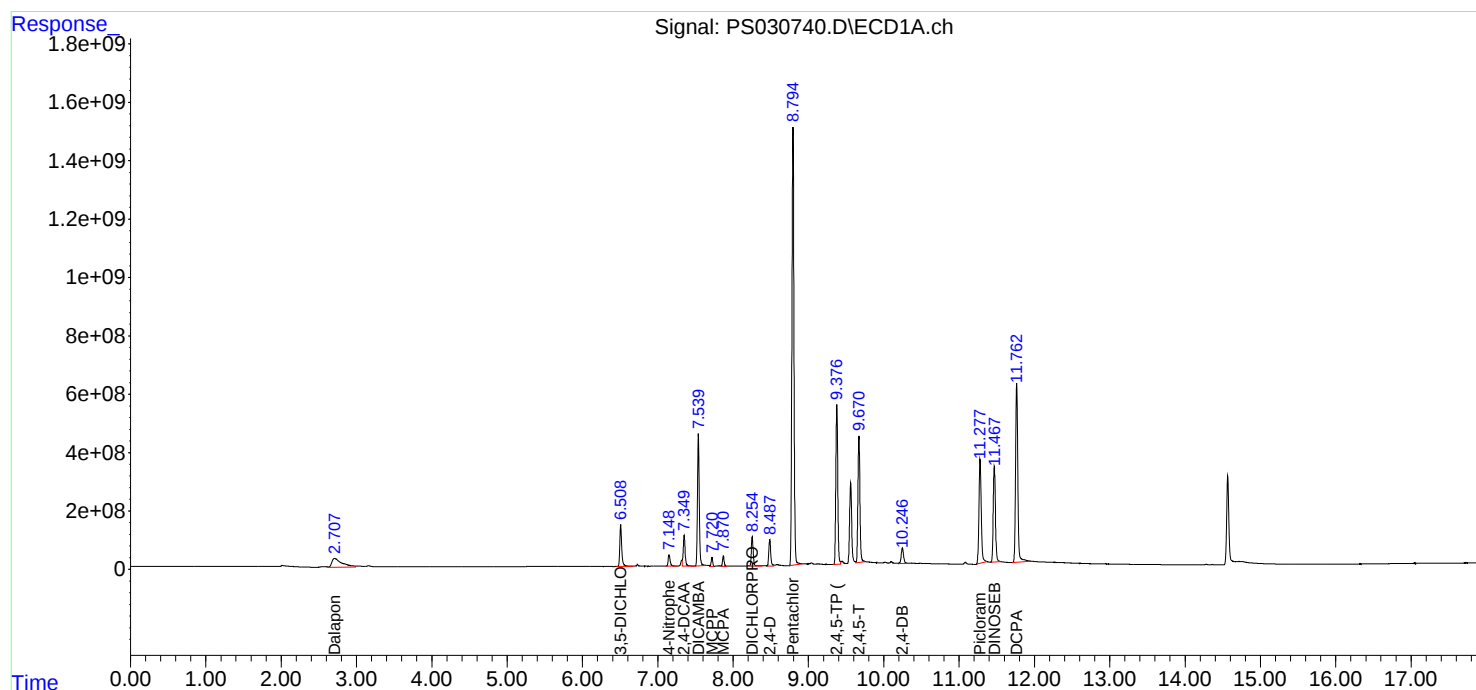
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030740.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:49
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:34:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030741.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 12:13
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 13:28:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 18 13:26:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.349	7.770	2695.0E6	788.0E6	735.040m	750.000
Target Compounds							
1) T	Dalapon	2.711	2.709	4110.7E6	1860.0E6	682.500	682.500
2) T	3,5-DICHL...	6.508	6.715	3694.2E6	1104.7E6	697.500	697.500
3) T	4-Nitroph...	7.148	7.301	1058.7E6	1177.8E6	682.500	682.500
5) T	DICAMBA	7.539	7.972	10887.5E6	4629.4E6	705.000	705.000
6) T	MCPD	7.721	8.071	692.7E6	159.8E6	70.500	70.500
7) T	MCPA	7.872	8.321	834.2E6	225.9E6	69.750	69.750
8) T	DICHLORPROP	8.253	8.691	2465.2E6	1056.4E6	705.000	705.000
9) T	2,4-D	8.486	9.027	2330.4E6	1143.9E6	705.000	705.000
10) T	Pentachlo...	8.793	9.552	38633.6E6	27600.8E6	712.500	712.500
11) T	2,4,5-TP ...	9.375	9.933	14234.3E6	10200.5E6	712.500	712.500
12) T	2,4,5-T	9.668	10.359	11991.4E6	9758.3E6	712.500	712.500
13) T	2,4-DB	10.247	10.927	1715.3E6	829.1E6	712.500	712.500
14) T	DINOSEB	11.466	11.311	9809.4E6	7563.6E6	705.000	705.000
15) T	Picloram	11.275	12.421	11657.4E6	16873.3E6	712.500	712.500
16) T	DCPA	11.762	12.356	18560.8E6	15913.5E6	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\PS061825\
Data File : PS030741.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:13
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

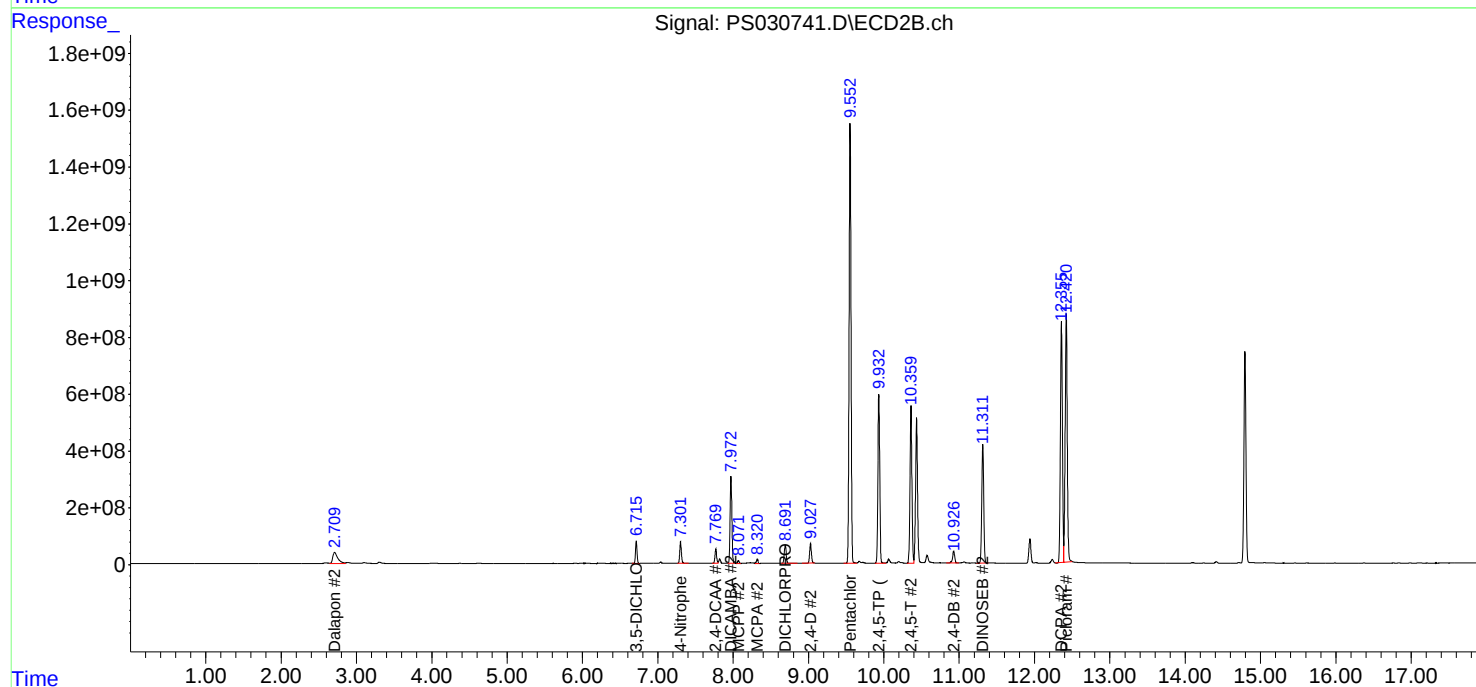
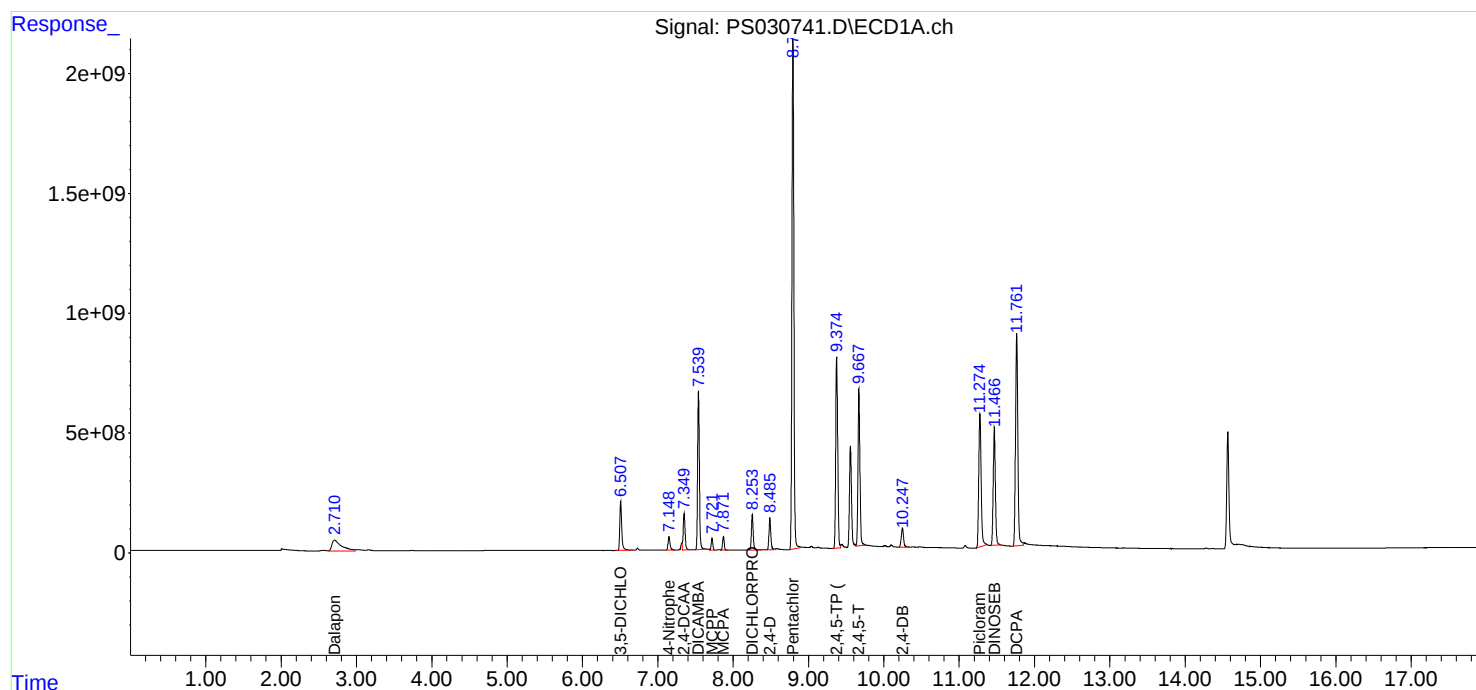
APPROVED

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:28:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:26:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030742.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 12:37
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 13:32:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 18 13:31:43 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S	2,4-DCAA	7.349	7.770	3449.9E6	993.0E6	1007.482m	978.598
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Target Compounds

1) T	Dalapon	2.711	2.710	5150.3E6	2361.2E6	890.676	891.083
2) T	3,5-DICHL...	6.508	6.716	4617.8E6	1397.4E6	912.175	911.477
3) T	4-Nitroph...	7.149	7.302	1346.0E6	1506.7E6	887.706	886.926
5) T	DICAMBA	7.540	7.973	13729.6E6	5900.9E6	922.935	921.488
6) T	MCP	7.723	8.073	915.4E6	207.0E6	90.761	91.801
7) T	MCPA	7.873	8.323	1089.6E6	295.3E6	89.789	91.284
8) T	DICHLORPROP	8.254	8.692	3084.8E6	1328.0E6	916.366	923.462
9) T	2,4-D	8.486	9.027	2961.7E6	1432.3E6	916.252	915.890
10) T	Pentachlo...	8.799	9.553	44933.5E6	34544.9E6	970.273	964.535
11) T	2,4,5-TP ...	9.375	9.933	17920.7E6	12790.2E6	930.890	933.380
12) T	2,4,5-T	9.669	10.359	15378.5E6	12286.7E6	928.339	932.902
13) T	2,4-DB	10.248	10.927	2257.2E6	1053.3E6	919.502	932.595
14) T	DINOSEB	11.468	11.313	12449.4E6	9605.3E6	918.844	921.811
15) T	Picloram	11.275	12.421	15192.8E6	21456.6E6	916.121	928.345
16) T	DCPA	11.763	12.357	23325.9E6	19939.4E6	946.473	946.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030742.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 12:37
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

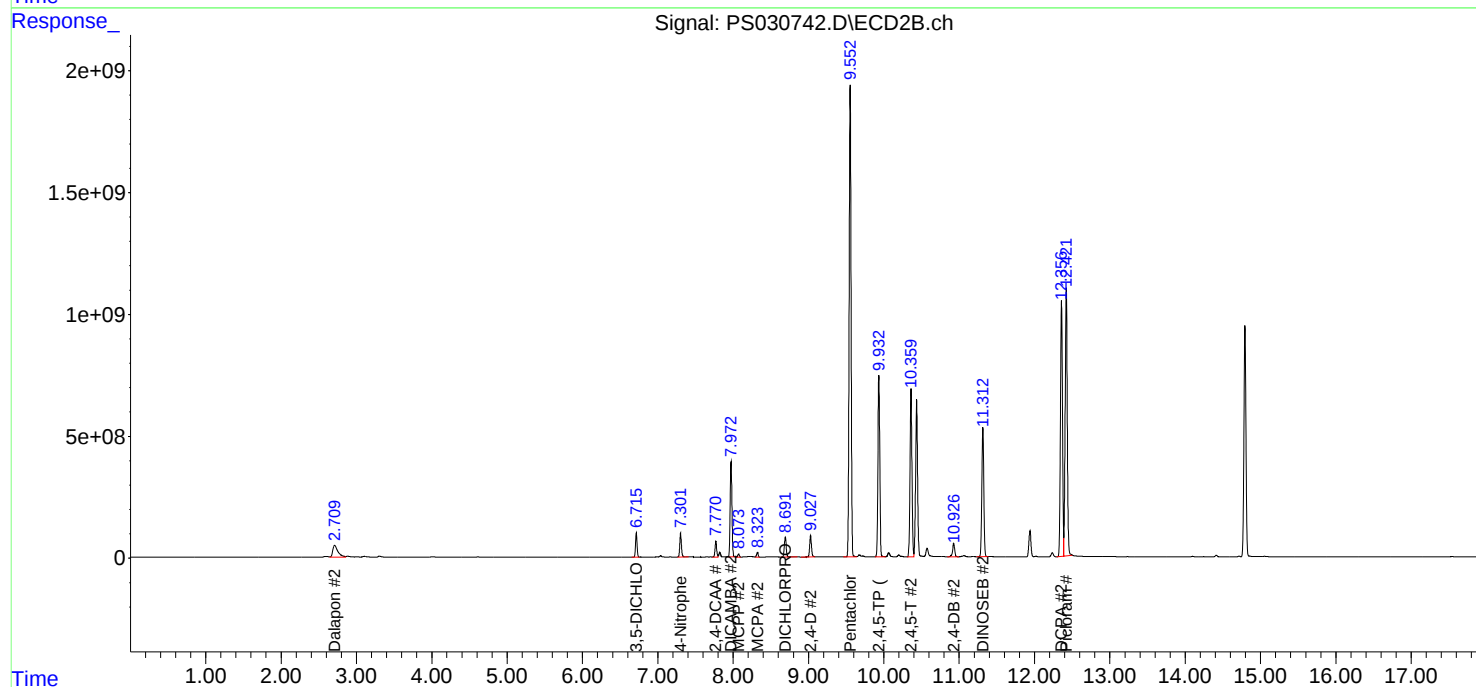
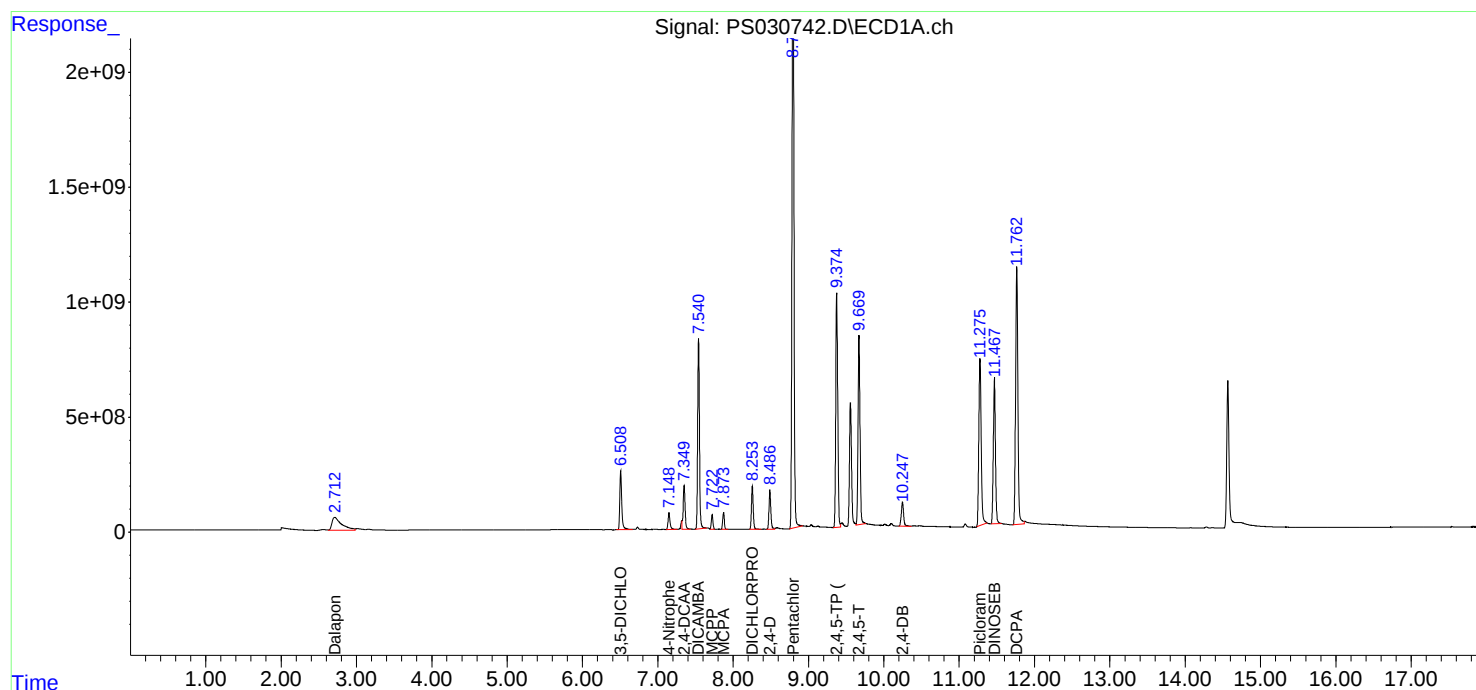
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/19/2025
Supervised By : mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:32:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:31:43 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030743.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 13:29
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 13:51:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 18 13:50:13 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds

4) S	2,4-DCAA	7.349	7.768	4634.2E6	1423.1E6	1255.782m	1327.583
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Target Compounds

1) T	Dalapon	2.708	2.707	7057.1E6	3212.8E6	1238.824	1171.806
2) T	3,5-DICHL...	6.509	6.713	6482.8E6	2001.5E6	1205.529	1240.719
3) T	4-Nitroph...	7.149	7.299	1960.3E6	2216.2E6	1243.237	1278.444
5) T	DICAMBA	7.540	7.971	17370.1E6	8409.2E6	1141.638	1283.215
6) T	MCP	7.727	8.076	1357.6E6	277.5E6	144.610	132.298
7) T	MCPA	7.878	8.325	1663.5E6	431.1E6	141.809	137.032
8) T	DICHLORPROP	8.254	8.690	5064.4E6	2161.7E6	1352.041	1374.694
9) T	2,4-D	8.487	9.026	4934.4E6	2416.0E6	1432.593	1421.668
10) T	Pentachlo...	8.783	9.553	61297.3E6	45248.4E6	1166.760m	1186.933
11) T	2,4,5-TP ...	9.377	9.932	26551.1E6	18758.2E6	1325.538	1300.061
12) T	2,4,5-T	9.670	10.358	21818.2E6	17137.2E6	1326.082	1254.129
13) T	2,4-DB	10.250	10.925	2621.2E6	1524.0E6	1142.883	1288.354
14) T	DINOSEB	11.468	11.311	18321.9E6	14096.3E6	1320.671	1307.487
15) T	Picloram	11.276	12.419	23276.8E6	31814.5E6	1447.914	1368.873
16) T	DCPA	11.765	12.356	32738.8E6	27988.3E6	1278.048	1269.724

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030743.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 13:29
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations

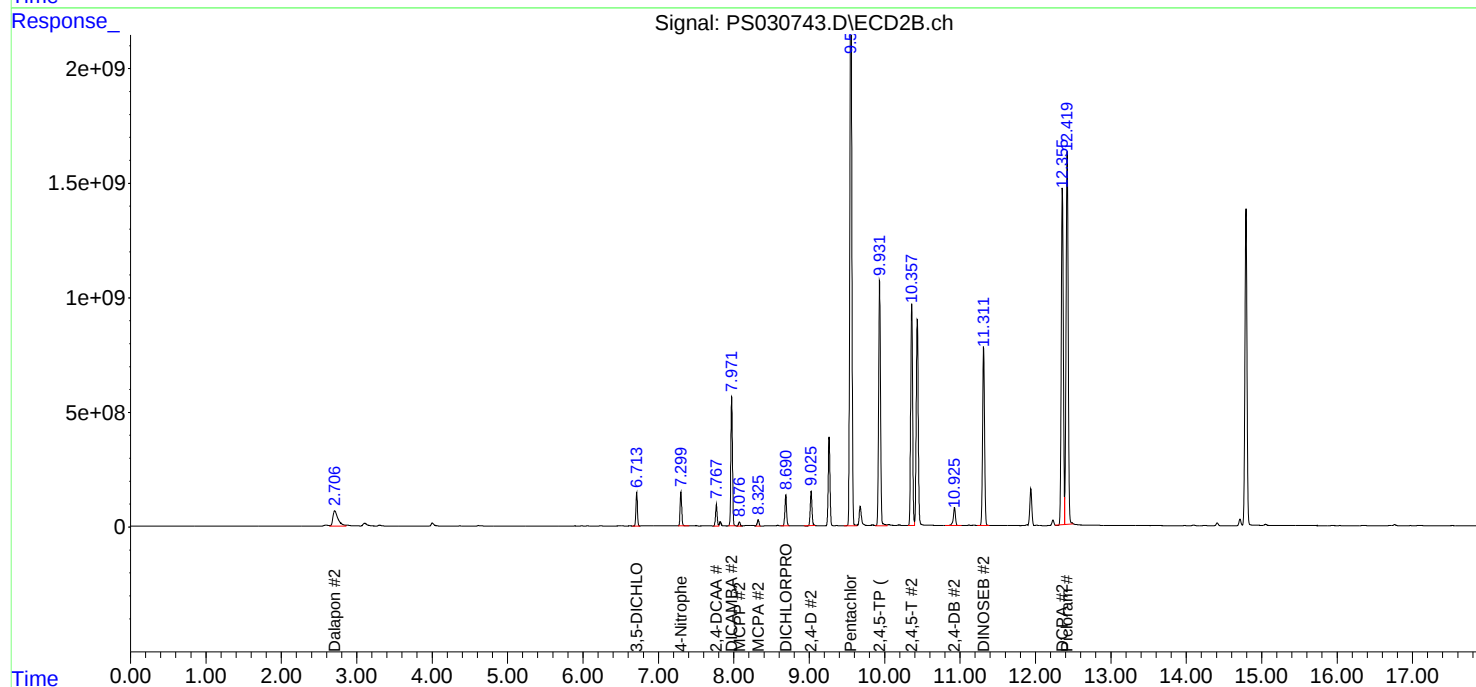
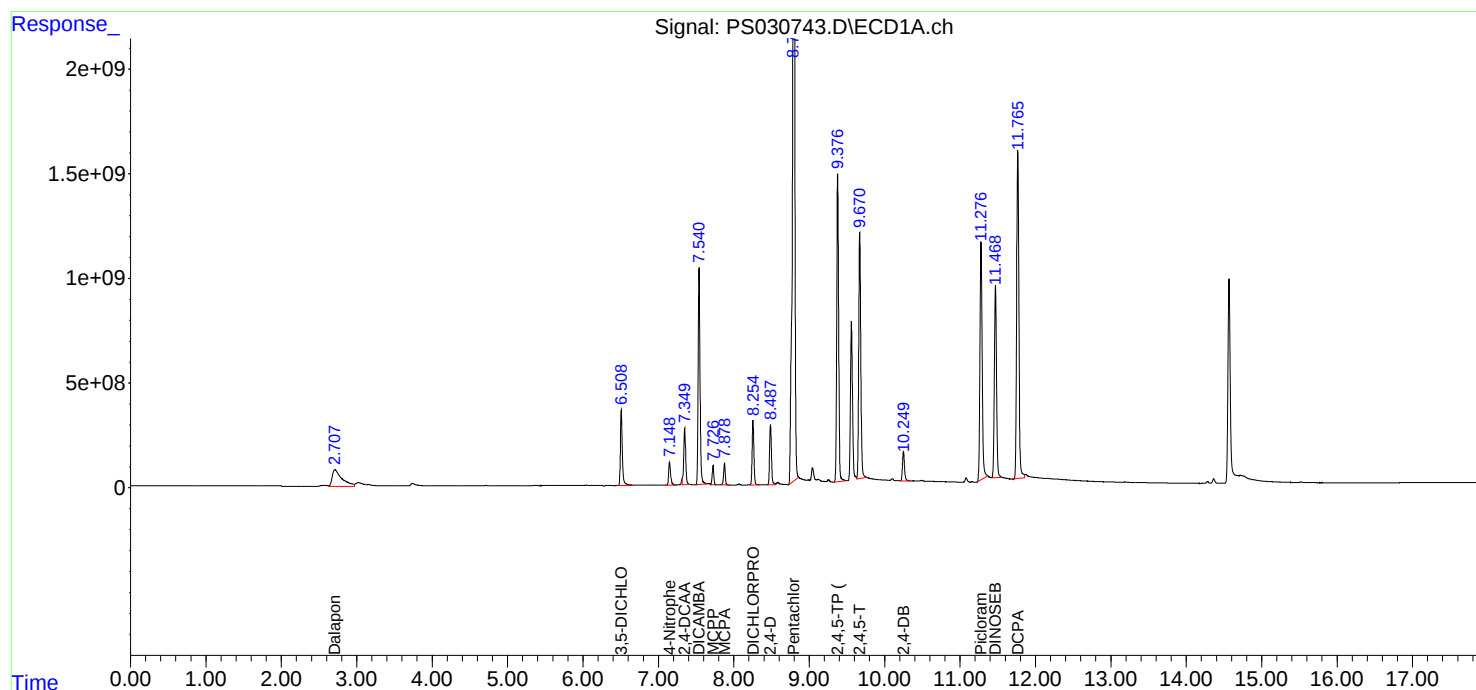
APPROVED

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 18 13:51:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Wed Jun 18 13:50:13 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
 Data File : PS030744.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 14:18
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS061825

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 19 05:14:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.348	7.770	2655.3E6	781.4E6	722.658m	728.902
Target Compounds							
1) T	Dalapon	2.710	2.710	4056.7E6	1841.2E6	680.013	671.536
2) T	3,5-DICHL...	6.508	6.715	3653.0E6	1096.7E6	679.304	679.863
3) T	4-Nitroph...	7.149	7.302	1067.2E6	1168.5E6	676.796	674.057
5) T	DICAMBA	7.539	7.972	10807.3E6	4588.7E6	710.304	700.216
6) T	MCP	7.721	8.072	688.5E6	156.4E6	73.332	74.580
7) T	MCPA	7.871	8.321	828.7E6	223.9E6	70.648	71.187
8) T	DICHLORPROP	8.253	8.691	2460.1E6	1042.7E6	656.766	663.094
9) T	2,4-D	8.486	9.027	2352.8E6	1124.1E6	683.086	661.445
10) T	Pentachlo...	8.794	9.552	38388.3E6	27302.7E6	725.329	716.192
11) T	2,4,5-TP ...	9.375	9.934	14291.4E6	10089.0E6	713.485	699.233
12) T	2,4,5-T	9.669	10.359	12186.1E6	9656.1E6	740.654	706.651
13) T	2,4-DB	10.248	10.927	1788.9E6	824.5E6	779.995	697.026
14) T	DINOSEB	11.467	11.312	9884.9E6	7472.6E6	712.518	693.112
15) T	Picloram	11.276	12.421	11908.4E6	16569.9E6	740.750	712.948
16) T	DCPA	11.763	12.357	18641.3E6	15691.5E6	727.713	711.865

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030744.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 14:18
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS061825

Manual Integrations

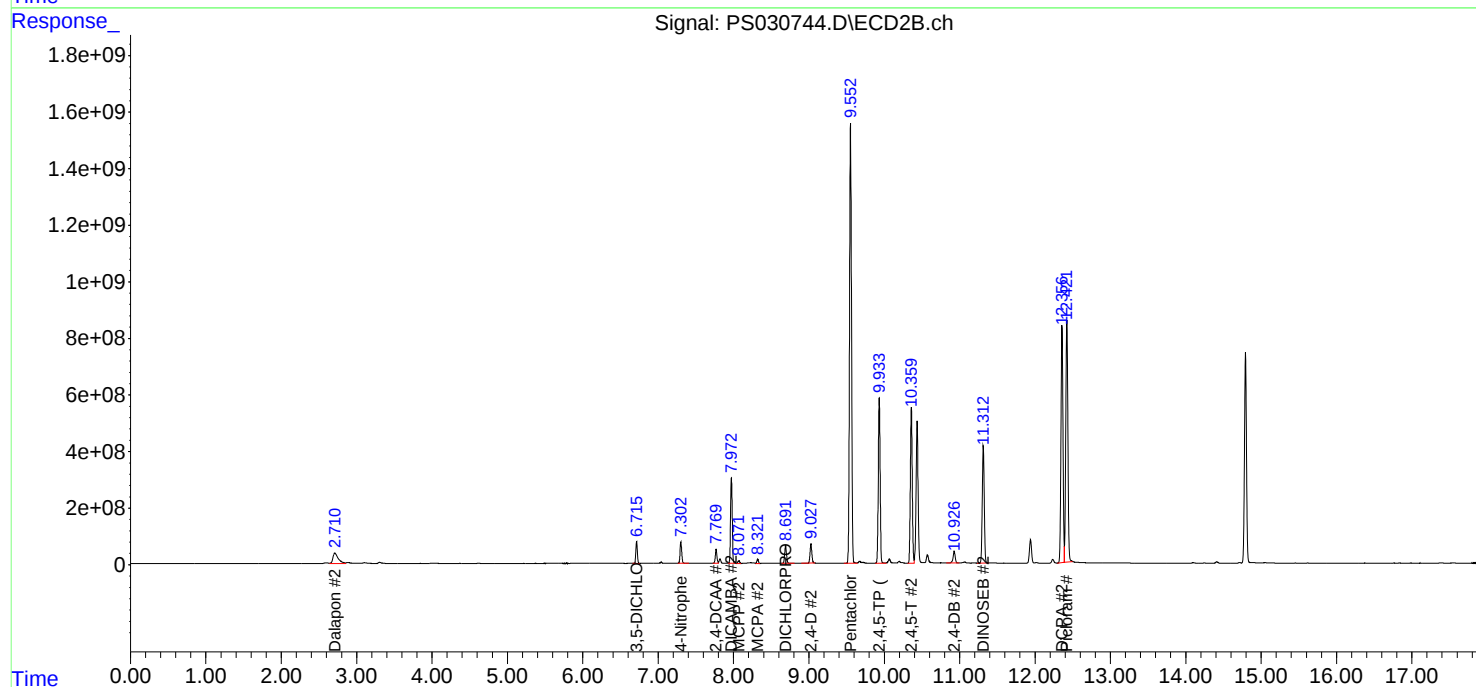
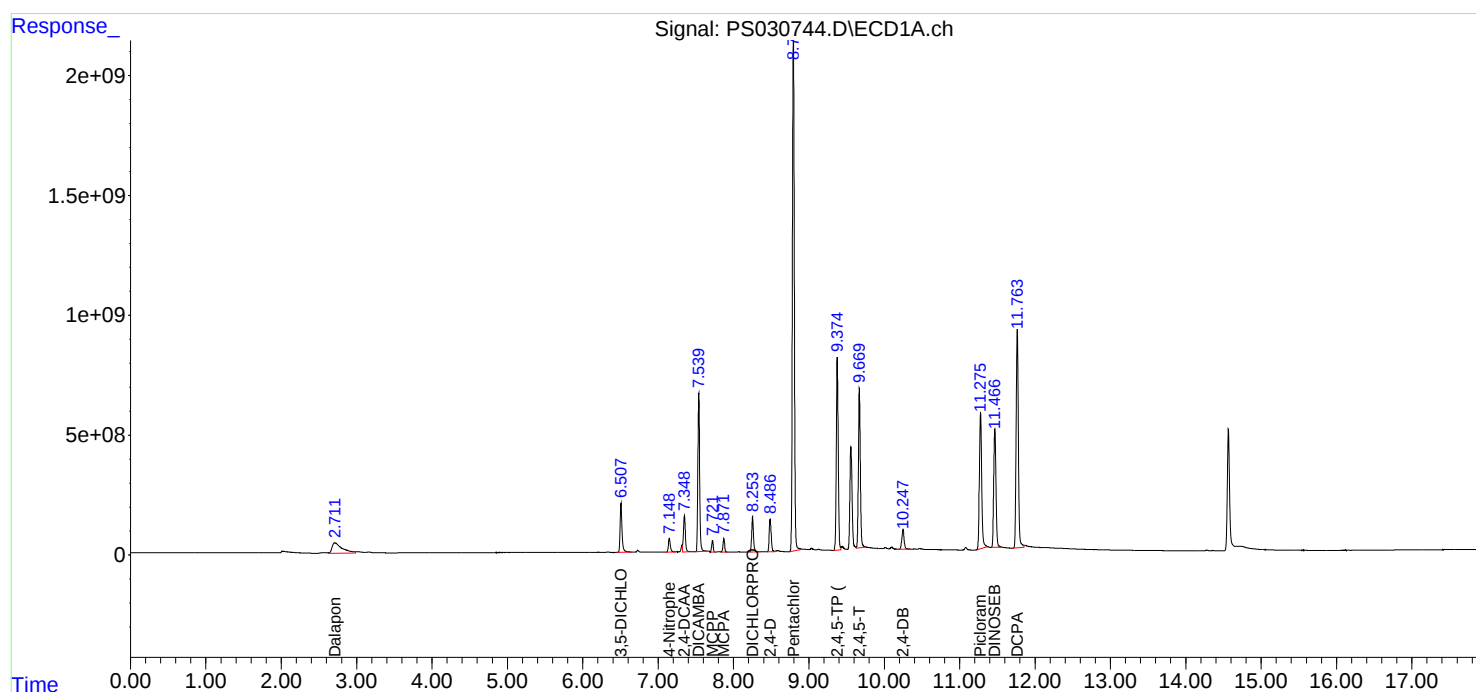
APPROVED

Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 05:14:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 10:01

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 10:01

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.652	9.568	9.768	748.000	712.500	5.0
2,4,5-TP(Silvex)	9.358	9.275	9.475	696.660	712.500	-2.2
2,4-D	8.472	8.386	8.586	674.060	705.000	-4.4
2,4-DB	10.229	10.147	10.347	737.940	712.500	3.6
2,4-DCAA	7.337	7.249	7.449	690.210	750.000	-8.0
DICAMBA	7.526	7.439	7.639	672.540	705.000	-4.6
DICHLORPROP	8.240	8.153	8.353	630.010	705.000	-10.6
Dinoseb	11.446	11.366	11.566	693.780	705.000	-1.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030917.D **Time Analyzed:** 10:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.354	10.259	10.459	711.460	712.500	-0.1
2,4,5-TP(Silvex)	9.929	9.833	10.033	701.470	712.500	-1.5
2,4-D	9.024	8.927	9.127	668.430	705.000	-5.2
2,4-DB	10.922	10.827	11.027	689.590	712.500	-3.2
2,4-DCAA	7.767	7.670	7.870	717.630	750.000	-4.3
DICAMBA	7.969	7.872	8.072	695.230	705.000	-1.4
DICHLORPROP	8.688	8.591	8.791	656.420	705.000	-6.9
Dinoseb	11.307	11.211	11.411	670.630	705.000	-4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
 Data File : PS030917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 10:01
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:49:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.337	7.767	2536.1E6	769.3E6	690.209m	717.631
Target Compounds							
1) T	Dalapon	2.703	2.711	3722.8E6	1812.0E6	624.037	660.882
2) T	3,5-DICHL...	6.498	6.713	3470.7E6	1073.9E6	645.398	665.698
3) T	4-Nitroph...	7.137	7.299	1042.7E6	1122.0E6	661.276	647.209
5) T	DICAMBA	7.526	7.969	10232.7E6	4556.0E6	672.535m	695.227
6) T	MCPD	7.708	8.068	684.4E6	158.6E6	72.897m	75.629
7) T	MCPA	7.859	8.317	810.6E6	229.2E6	69.098	72.846
8) T	DICHLORPROP	8.240	8.688	2359.9E6	1032.2E6	630.006	656.422
9) T	2,4-D	8.472	9.024	2321.7E6	1135.9E6	674.058	668.434
10) T	Pentachlo...	8.779	9.548	36422.6E6	27446.8E6	688.186	719.972
11) T	2,4,5-TP ...	9.358	9.929	13954.3E6	10121.3E6	696.657	701.472
12) T	2,4,5-T	9.652	10.354	12306.9E6	9721.8E6	747.999	711.457
13) T	2,4-DB	10.229	10.922	1692.5E6	815.7E6	737.937m	689.591
14) T	DINOSEB	11.446	11.307	9625.0E6	7230.2E6	693.784m	670.628
15) T	Picloram	11.257	12.416	12022.8E6	16950.6E6	747.866m	729.329
16) T	DCPA	11.742	12.350	18415.9E6	15852.2E6	718.915	719.155m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 10:01
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

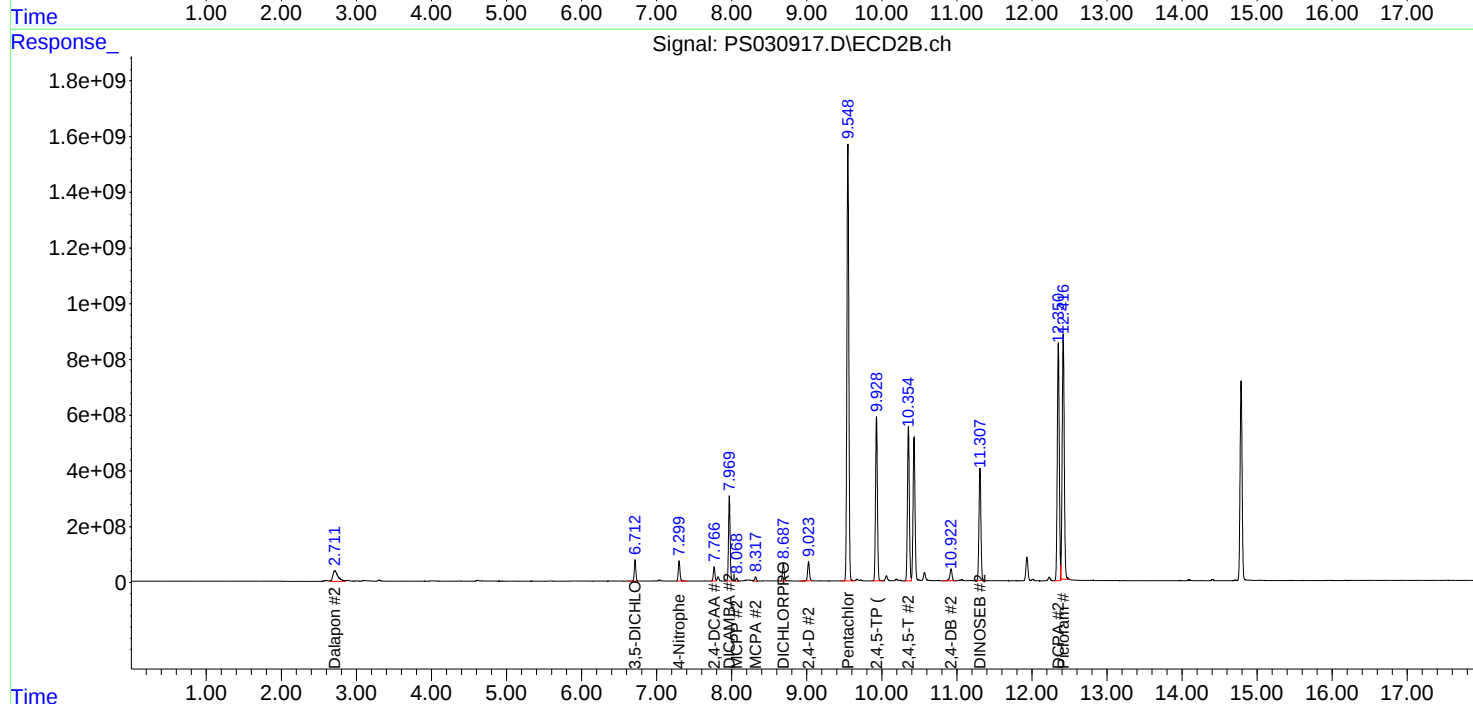
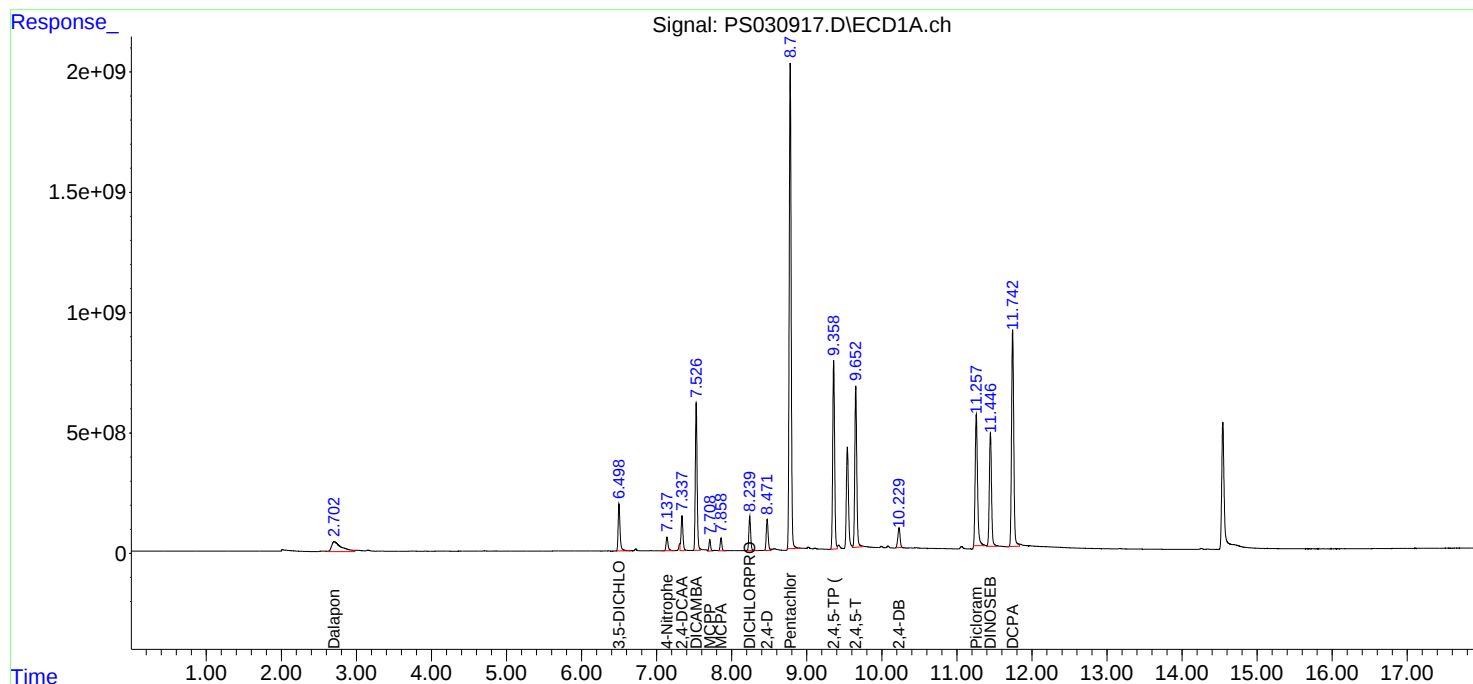
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:49:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 19:11

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/07/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 19:11

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/07/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030928.D **Time Analyzed:** 19:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.651	9.568	9.768	748.840	712.500	5.1
2,4,5-TP(Silvex)	9.357	9.275	9.475	704.070	712.500	-1.2
2,4-D	8.471	8.386	8.586	678.950	705.000	-3.7
2,4-DB	10.228	10.147	10.347	805.880	712.500	13.1
2,4-DCAA	7.336	7.249	7.449	705.080	750.000	-6.0
DICAMBA	7.526	7.439	7.639	681.450	705.000	-3.3
DICHLORPROP	8.239	8.153	8.353	640.190	705.000	-9.2
Dinoseb	11.444	11.366	11.566	689.280	705.000	-2.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Contract: CAMP02
 Lab Code: ACE SDG NO.: Q2458
 GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL02 Date Analyzed: 07/07/2025
 Lab Sample No.: HSTDCCC750 Data File : PS030928.D Time Analyzed: 19:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.354	10.259	10.459	685.380	712.500	-3.8
2,4,5-TP(Silvex)	9.928	9.833	10.033	679.920	712.500	-4.6
2,4-D	9.023	8.927	9.127	639.930	705.000	-9.2
2,4-DB	10.921	10.827	11.027	670.940	712.500	-5.8
2,4-DCAA	7.766	7.670	7.870	691.990	750.000	-7.7
DICAMBA	7.968	7.872	8.072	671.890	705.000	-4.7
DICHLORPROP	8.687	8.591	8.791	637.410	705.000	-9.6
Dinoseb	11.306	11.211	11.411	648.840	705.000	-8.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
 Data File : PS030928.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:11
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/08/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 01:51:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.336	7.766	2590.8E6	741.8E6	705.084m	691.986
Target Compounds							
1) T	Dalapon	2.705	2.713	3747.4E6	1742.5E6	628.159	635.542
2) T	3,5-DICHL...	6.498	6.713	3554.0E6	1032.9E6	660.896	640.281
3) T	4-Nitroph...	7.136	7.299	1041.0E6	1087.3E6	660.221	627.227
5) T	DICAMBA	7.526	7.968	10368.4E6	4403.0E6	681.453m	671.888
6) T	MCPD	7.706	8.067	679.7E6	150.0E6	72.403m	71.503
7) T	MCPA	7.857	8.316	804.2E6	211.4E6	68.557	67.213
8) T	DICHLORPROP	8.239	8.687	2398.0E6	1002.3E6	640.191	637.408
9) T	2,4-D	8.471	9.023	2338.6E6	1087.5E6	678.945	639.932
10) T	Pentachlo...	8.778	9.547	36933.9E6	26410.8E6	697.848	692.795
11) T	2,4,5-TP ...	9.357	9.928	14102.9E6	9810.4E6	704.074	679.923
12) T	2,4,5-T	9.651	10.354	12320.8E6	9365.4E6	748.840	685.379
13) T	2,4-DB	10.228	10.921	1848.3E6	793.7E6	805.877	670.938
14) T	DINOSEB	11.444	11.306	9562.5E6	6995.3E6	689.280m	648.836
15) T	Picloram	11.257	12.416	12378.2E6	16069.5E6	769.974m	691.418
16) T	DCPA	11.741	12.349	18675.0E6	15356.7E6	729.029	696.678m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:11
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

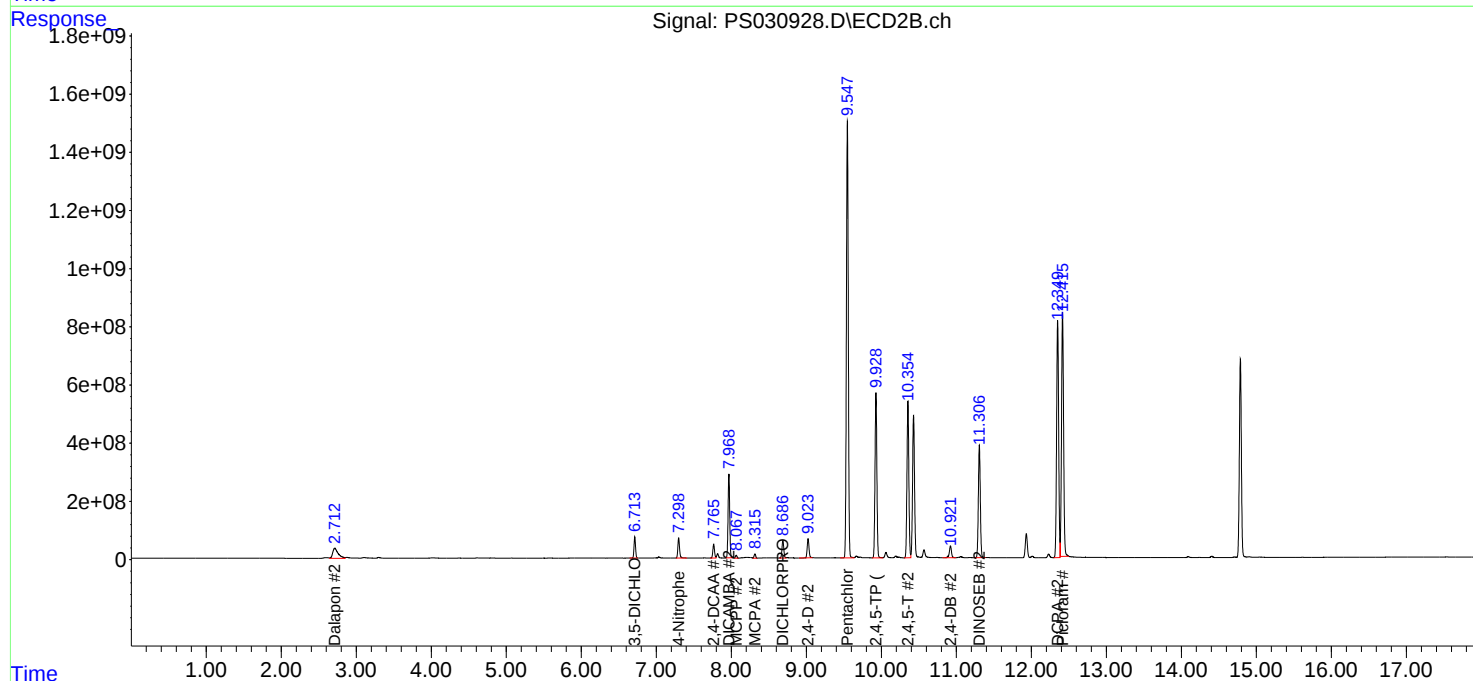
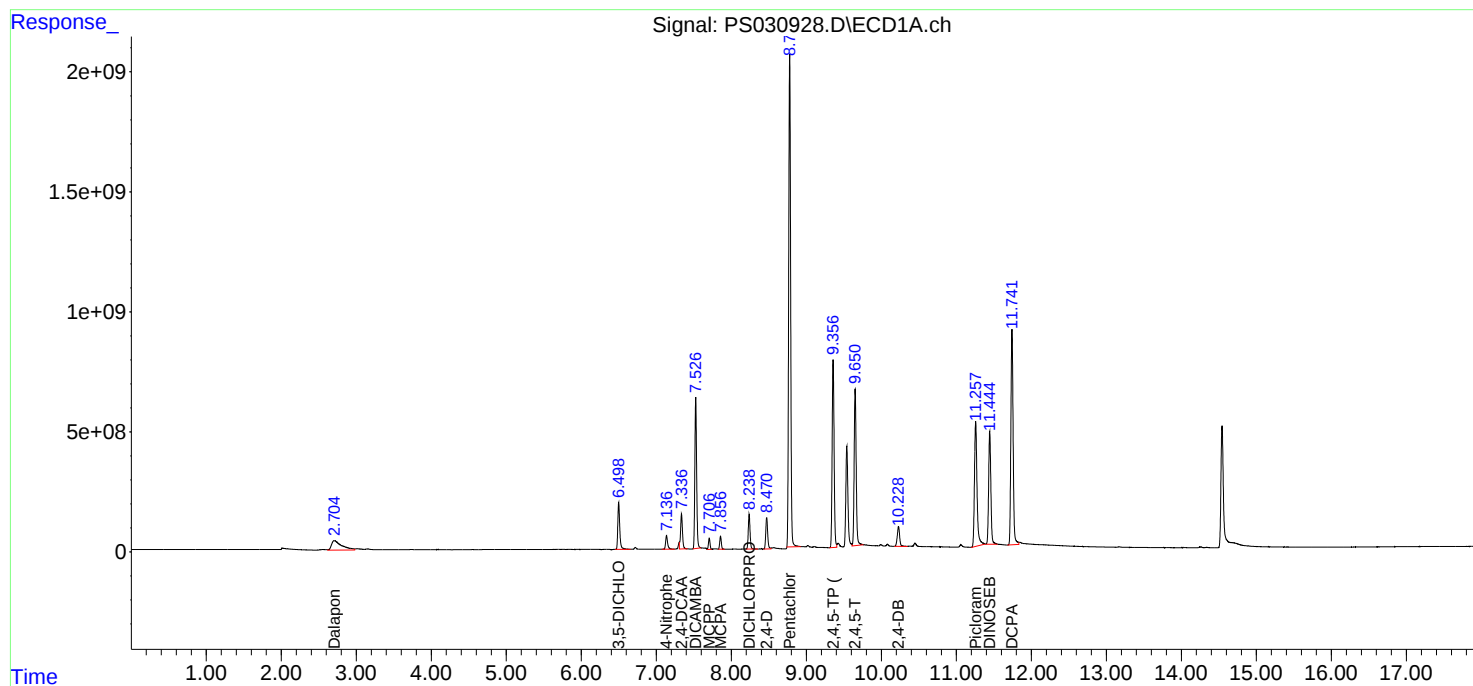
APPROVED

Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 09:27

Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.44	11.47	11.37	11.57	0.03



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 09:27

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.651	9.568	9.768	770.730	712.500	8.2
2,4,5-TP(Silvex)	9.357	9.275	9.475	720.850	712.500	1.2
2,4-D	8.470	8.386	8.586	697.260	705.000	-1.1
2,4-DB	10.227	10.147	10.347	791.680	712.500	11.1
2,4-DCAA	7.336	7.249	7.449	733.720	750.000	-2.2
DICAMBA	7.525	7.439	7.639	690.450	705.000	-2.1
DICHLORPROP	8.238	8.153	8.353	650.710	705.000	-7.7
Dinoseb	11.444	11.366	11.566	691.050	705.000	-2.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/08/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030944.D **Time Analyzed:** 09:27

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.353	10.259	10.459	690.590	712.500	-3.1
2,4,5-TP(Silvex)	9.927	9.833	10.033	686.060	712.500	-3.7
2,4-D	9.022	8.927	9.127	643.990	705.000	-8.7
2,4-DB	10.921	10.827	11.027	675.660	712.500	-5.2
2,4-DCAA	7.765	7.670	7.870	691.710	750.000	-7.8
DICAMBA	7.967	7.872	8.072	676.030	705.000	-4.1
DICHLORPROP	8.686	8.591	8.791	652.190	705.000	-7.5
Dinoseb	11.305	11.211	11.411	642.510	705.000	-8.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
 Data File : PS030944.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 09:27
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 12:03:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.336	7.765	2696.0E6	741.5E6	733.718m	691.709
Target Compounds							
1) T	Dalapon	2.709	2.710	3768.9E6	1728.4E6	631.761	630.385
2) T	3,5-DICHL...	6.498	6.712	3626.1E6	1036.1E6	674.297	642.292
3) T	4-Nitroph...	7.136	7.298	1038.6E6	1087.7E6	658.711	627.454
5) T	DICAMBA	7.525	7.967	10505.2E6	4430.2E6	690.445m	676.033
6) T	MCPD	7.707	8.066	665.5E6	149.5E6	70.881m	71.298
7) T	MCPA	7.857	8.315	812.6E6	221.5E6	69.276	70.398
8) T	DICHLORPROP	8.238	8.686	2437.4E6	1025.6E6	650.707	652.190
9) T	2,4-D	8.470	9.022	2401.7E6	1094.4E6	697.260	643.986
10) T	Pentachlo...	8.777	9.547	37799.3E6	26699.0E6	714.199	700.355
11) T	2,4,5-TP ...	9.357	9.927	14438.9E6	9898.9E6	720.847	686.056
12) T	2,4,5-T	9.651	10.353	12681.0E6	9436.6E6	770.734	690.588
13) T	2,4-DB	10.227	10.921	1815.7E6	799.2E6	791.678m	675.658
14) T	DINOSEB	11.444	11.305	9587.0E6	6927.0E6	691.049m	642.507
15) T	Picloram	11.255	12.415	12455.6E6	16193.1E6	774.786m	696.736
16) T	DCPA	11.741	12.349	19168.6E6	15448.4E6	748.296	700.837

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 09:27
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

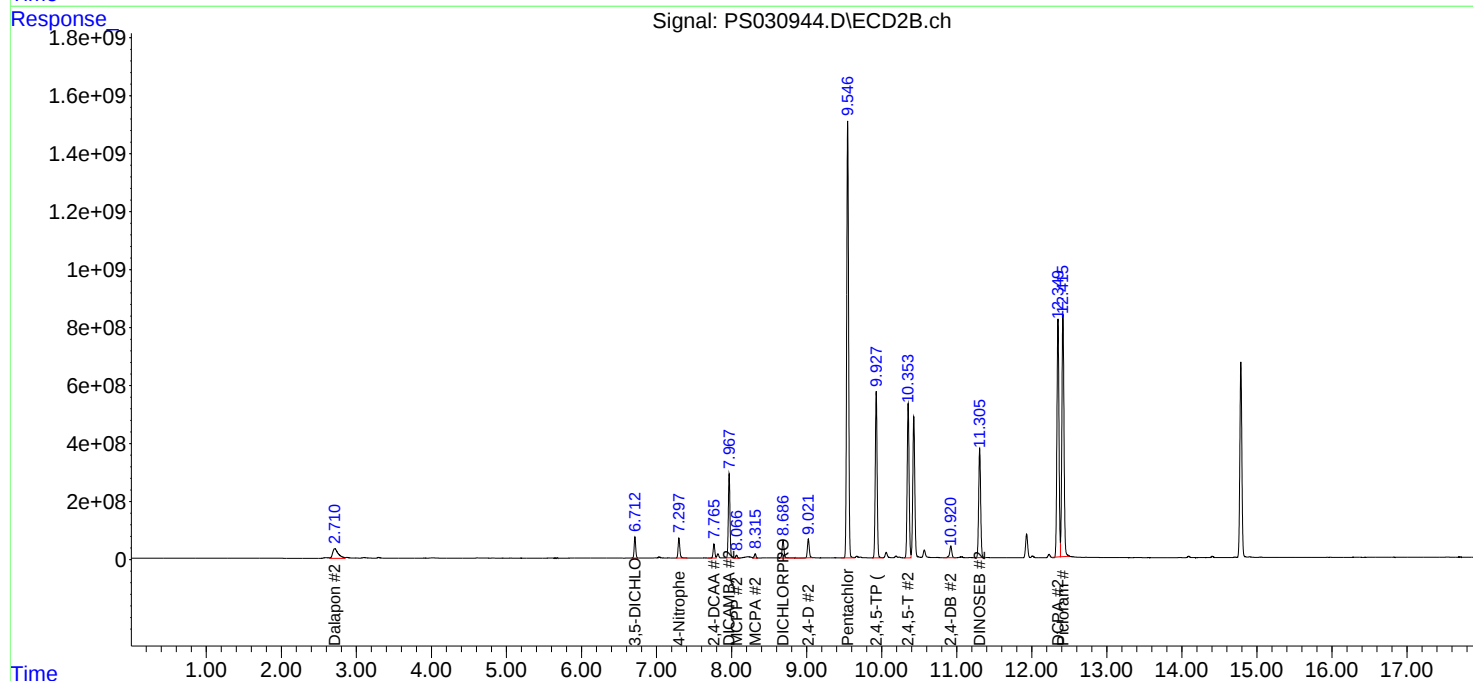
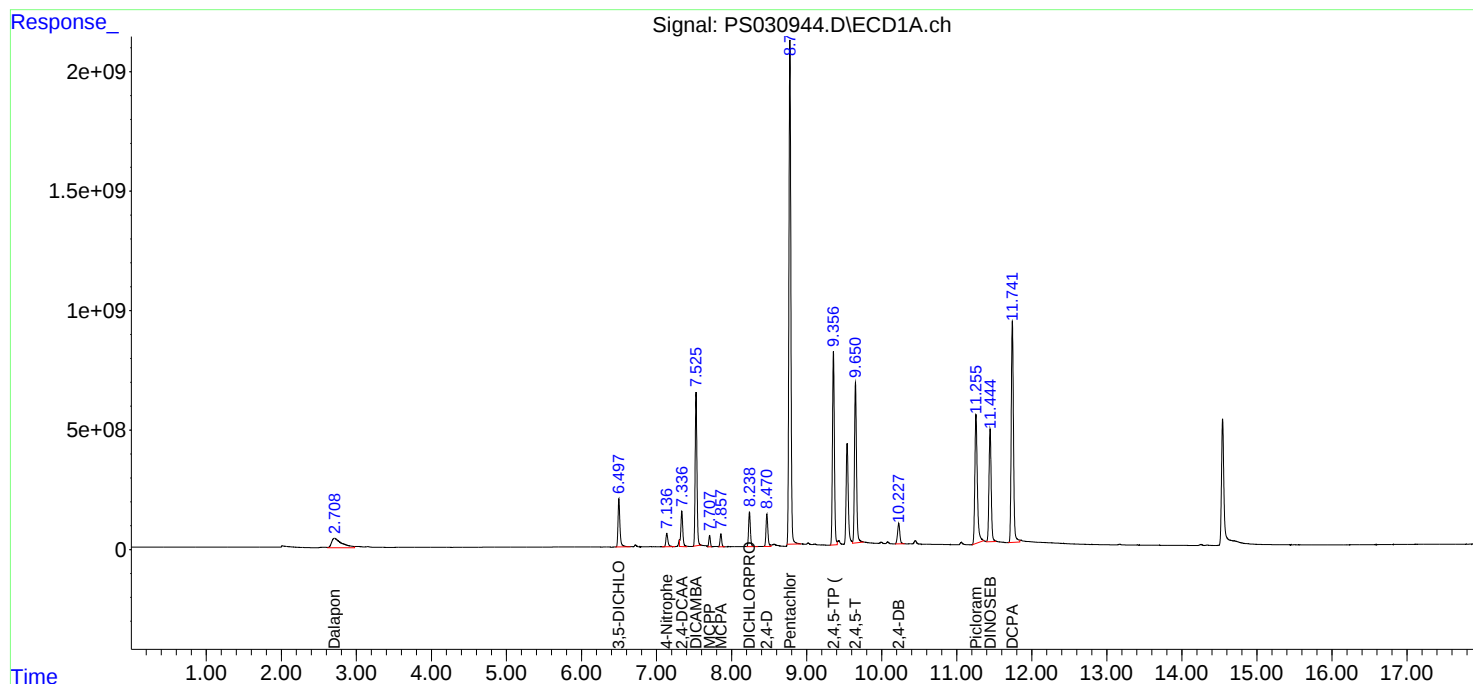
APPROVED

Reviewed By :Abdul Mirza 07/09/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 12:03:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 16:05

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/08/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 16:05

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.93	9.83	10.03	-0.01
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.32	11.31	11.21	11.41	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.654	9.568	9.768	763.100	712.500	7.1
2,4,5-TP(Silvex)	9.359	9.275	9.475	711.640	712.500	-0.1
2,4-D	8.473	8.386	8.586	693.790	705.000	-1.6
2,4-DB	10.231	10.147	10.347	786.470	712.500	10.4
2,4-DCAA	7.338	7.249	7.449	797.680	750.000	6.4
DICAMBA	7.527	7.439	7.639	688.250	705.000	-2.4
DICHLORPROP	8.241	8.153	8.353	643.890	705.000	-8.7
Dinoseb	11.449	11.366	11.566	696.870	705.000	-1.2



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/08/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030956.D **Time Analyzed:** 16:05

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.259	10.459	683.490	712.500	-4.1
2,4,5-TP(Silvex)	9.935	9.833	10.033	676.910	712.500	-5.0
2,4-D	9.028	8.927	9.127	670.510	705.000	-4.9
2,4-DB	10.929	10.827	11.027	668.780	712.500	-6.1
2,4-DCAA	7.770	7.670	7.870	683.440	750.000	-8.9
DICAMBA	7.973	7.872	8.072	663.860	705.000	-5.8
DICHLORPROP	8.693	8.591	8.791	640.710	705.000	-9.1
Dinoseb	11.315	11.211	11.411	644.320	705.000	-8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
 Data File : PS030956.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 16:05
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 01:38:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.338	7.770	2931.0E6	732.6E6	797.678	683.439
Target Compounds							
1) T	Dalapon	2.706	2.712	3711.6E6	1688.5E6	622.159	615.832
2) T	3,5-DICHL...	6.499	6.716	3585.3E6	1019.0E6	666.720	631.674
3) T	4-Nitroph...	7.138	7.302	1042.8E6	1090.7E6	661.361	629.154
5) T	DICAMBA	7.527	7.973	10471.8E6	4350.4E6	688.254m	663.858
6) T	MCPD	7.708	8.072	695.4E6	147.5E6	74.068m	70.340
7) T	MCPA	7.859	8.321	804.2E6	215.5E6	68.555	68.508
8) T	DICHLORPROP	8.241	8.693	2411.9E6	1007.5E6	643.892	640.706
9) T	2,4-D	8.473	9.028	2389.7E6	1139.5E6	693.791	670.511m
10) T	Pentachlo...	8.780	9.553	37321.0E6	26385.6E6	705.161	692.133
11) T	2,4,5-TP ...	9.359	9.935	14254.5E6	9767.0E6	711.645	676.912
12) T	2,4,5-T	9.654	10.361	12555.4E6	9339.6E6	763.099	683.488
13) T	2,4-DB	10.231	10.929	1803.8E6	791.1E6	786.474m	668.783m
14) T	DINOSEB	11.449	11.315	9667.9E6	6946.6E6	696.875m	644.322
15) T	Picloram	11.261	12.425	12784.6E6	15865.5E6	795.257m	682.639
16) T	DCPA	11.745	12.359	18928.1E6	15284.3E6	738.911m	693.390

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030956.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 16:05
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

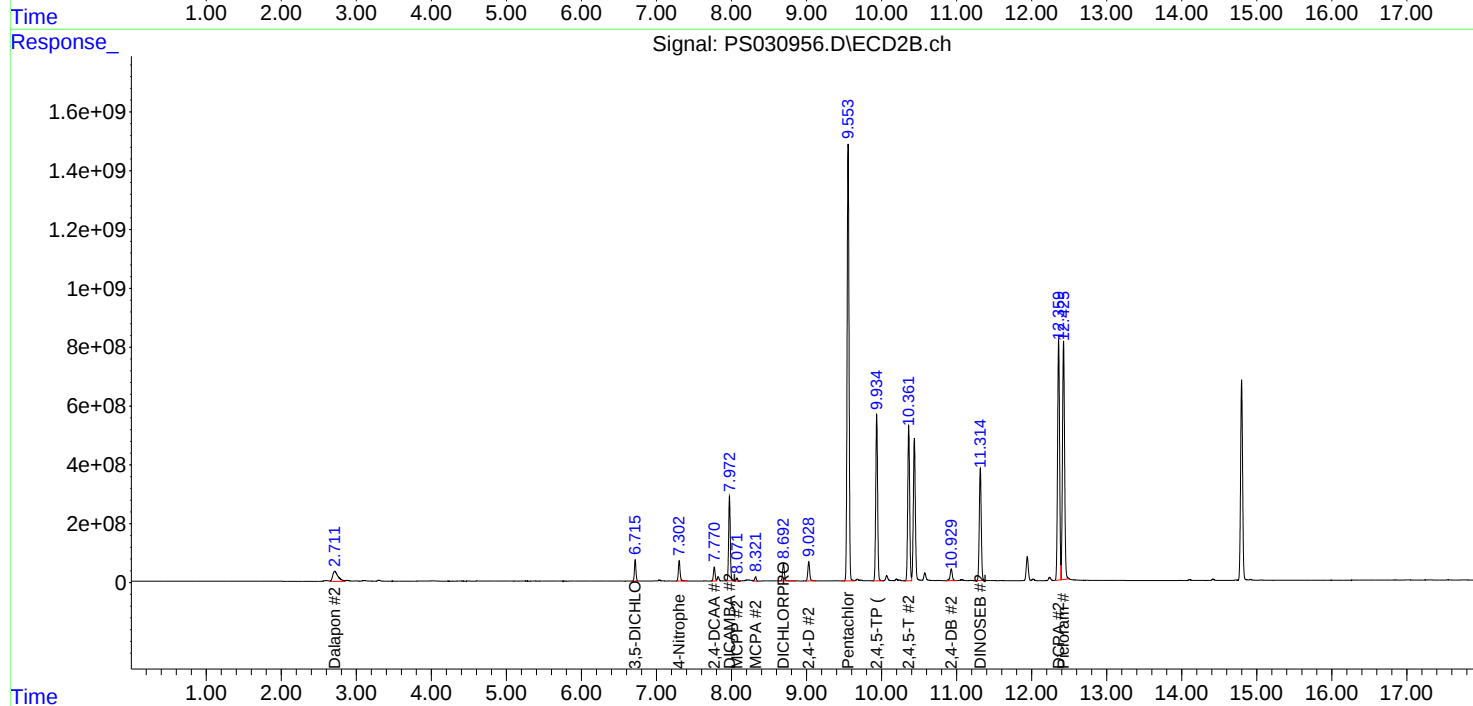
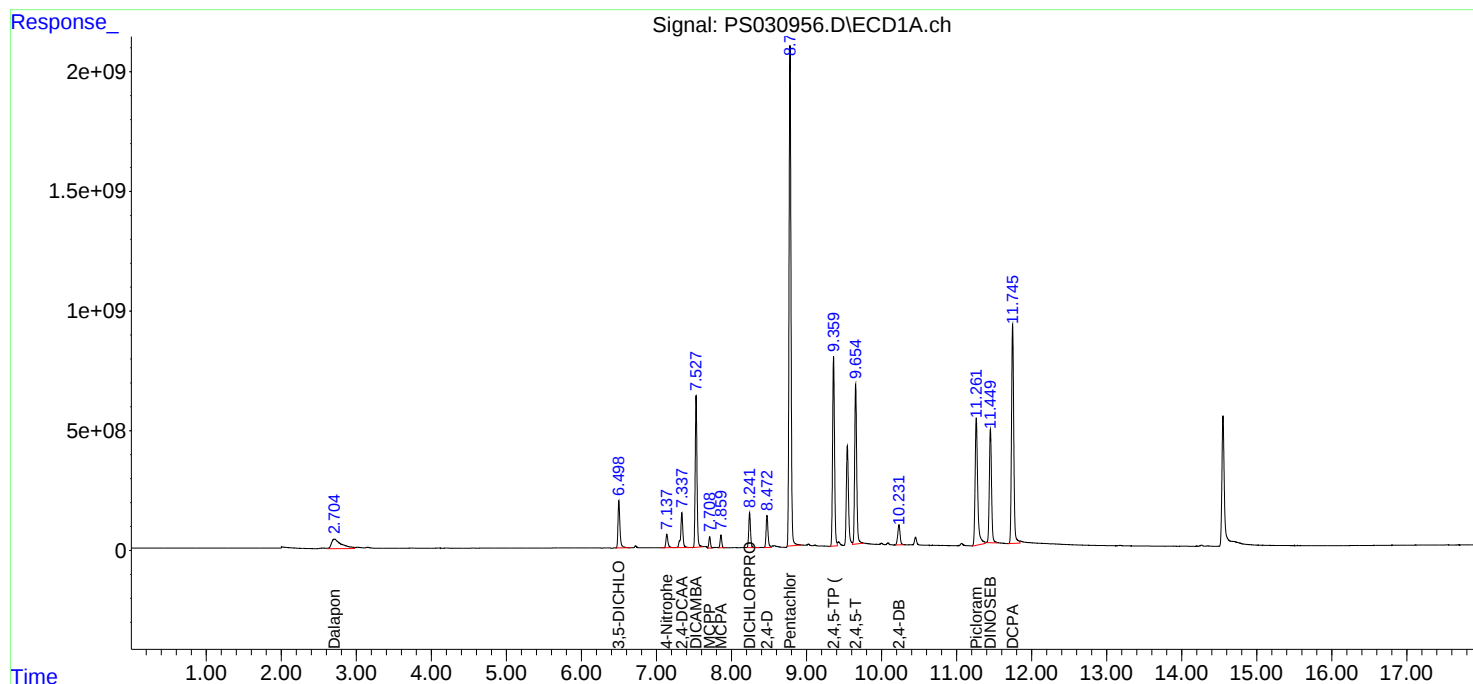
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/09/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:38:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CAMP02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q2458</u>
Continuing Calib Date:	<u>07/09/2025</u>	Initial Calibration Date(s):	<u>06/18/2025</u> <u>06/18/2025</u>
Continuing Calib Time:	<u>11:36</u>	Initial Calibration Time(s):	<u>11:25</u> <u>13:29</u>

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 11:36

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.656	9.568	9.768	725.530	712.500	1.8
2,4,5-TP(Silvex)	9.361	9.275	9.475	678.460	712.500	-4.8
2,4-D	8.474	8.386	8.586	643.260	705.000	-8.8
2,4-DB	10.233	10.147	10.347	758.610	712.500	6.5
2,4-DCAA	7.338	7.249	7.449	683.770	750.000	-8.8
DICAMBA	7.528	7.439	7.639	643.540	705.000	-8.7
DICHLORPROP	8.241	8.153	8.353	643.260	705.000	-8.8
Dinoseb	11.451	11.366	11.566	661.940	705.000	-6.1



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL05 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030959.D **Time Analyzed:** 11:36

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.357	10.259	10.459	629.350	712.500	-11.7
2,4,5-TP(Silvex)	9.931	9.833	10.033	622.060	712.500	-12.7
2,4-D	9.024	8.927	9.127	614.410	705.000	-12.8
2,4-DB	10.925	10.827	11.027	607.740	712.500	-14.7
2,4-DCAA	7.764	7.670	7.870	694.400	750.000	-7.4
DICAMBA	7.967	7.872	8.072	602.990	705.000	-14.5
DICHLORPROP	8.687	8.591	8.791	588.230	705.000	-16.6
Dinoseb	11.311	11.211	11.411	586.380	705.000	-16.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
 Data File : PS030959.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 11:36
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 14:14:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.338	7.764	2512.5E6	744.4E6	683.773m	694.396m
Target Compounds							
1) T	Dalapon	2.699	2.702	3575.2E6	1539.9E6	599.301	561.646
2) T	3,5-DICHL...	6.498	6.710	3405.2E6	937.6E6	633.222	581.206
3) T	4-Nitroph...	7.138	7.296	973.1E6	1004.5E6	617.127	579.447
5) T	DICAMBA	7.528	7.967	9791.5E6	3951.5E6	643.541m	602.987
6) T	MCPD	7.709	8.066	614.0E6	132.9E6	65.397m	63.351
7) T	MCPA	7.860	8.315	734.3E6	186.2E6	62.601	59.179
8) T	DICHLORPROP	8.241	8.687	2409.5E6	925.0E6	643.264	588.232
9) T	2,4-D	8.474	9.024	2215.7E6	1044.1E6	643.264m	614.408m
10) T	Pentachlo...	8.781	9.548	35706.6E6	24300.1E6	674.659	637.429
11) T	2,4,5-TP ...	9.361	9.931	13589.8E6	8975.5E6	678.457	622.060
12) T	2,4,5-T	9.656	10.357	11937.3E6	8599.9E6	725.533	629.353
13) T	2,4-DB	10.233	10.925	1739.9E6	718.9E6	758.608m	607.740
14) T	DINOSEB	11.451	11.311	9183.1E6	6321.9E6	661.935m	586.376
15) T	Picloram	11.263	12.422	12079.2E6	14739.1E6	751.377m	634.174
16) T	DCPA	11.749	12.356	18024.8E6	14058.3E6	703.648	637.772

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
Data File : PS030959.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 11:36
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

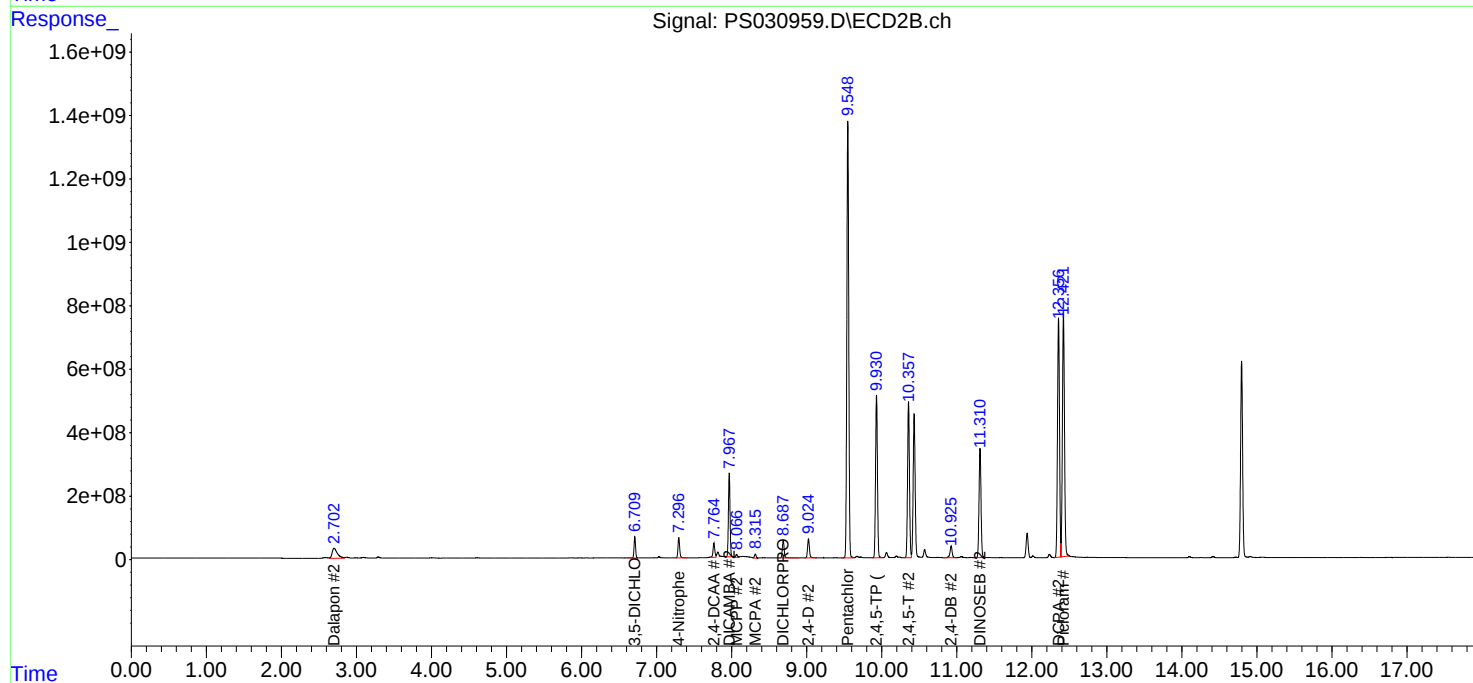
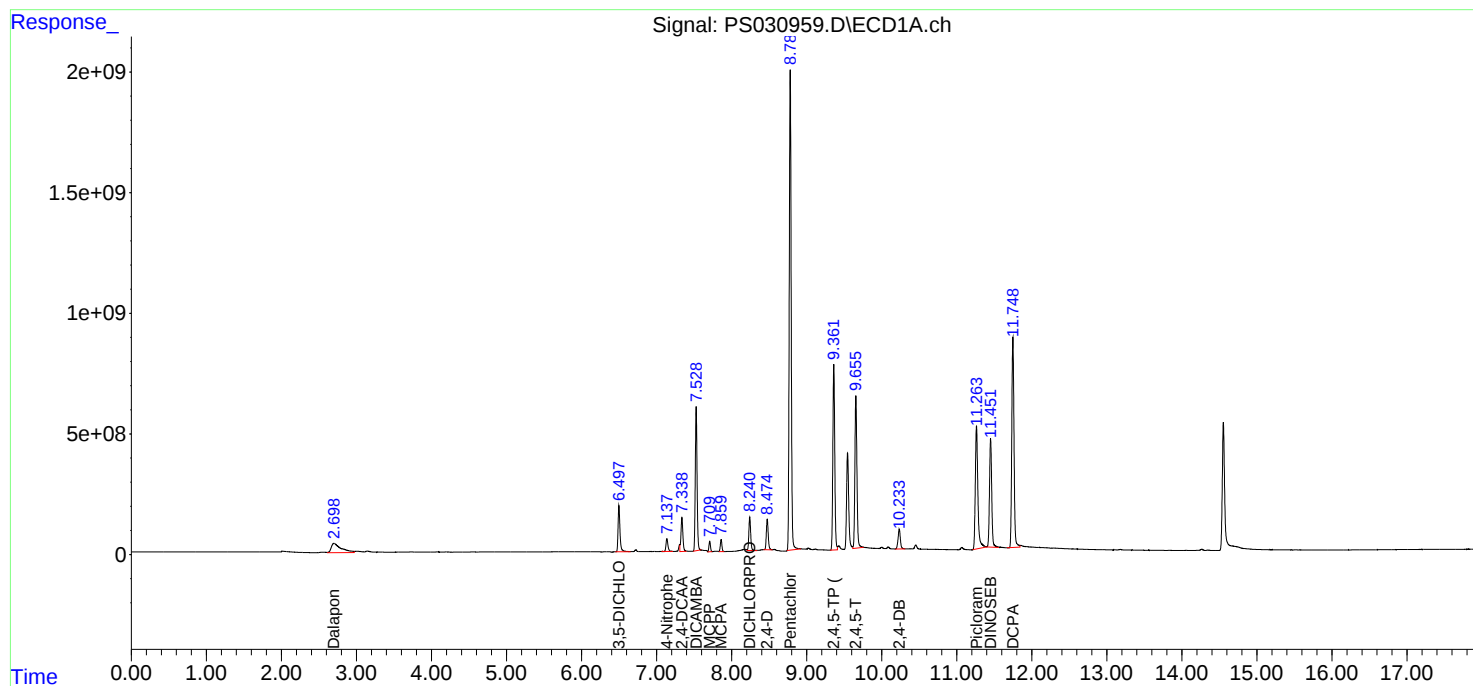
APPROVED

Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 14:14:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 14:52

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.65	9.67	9.57	9.77	0.02
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Continuing Calib Date: 07/09/2025

Initial Calibration Date(s): 06/18/2025

06/18/2025

Continuing Calib Time: 14:52

Initial Calibration Time(s): 11:25

13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	10.36	10.26	10.46	0.00
2,4-DB	10.93	10.93	10.83	11.03	0.00
Dinoseb	11.31	11.31	11.21	11.41	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.653	9.568	9.768	709.820	712.500	-0.4
2,4,5-TP(Silvex)	9.359	9.275	9.475	668.070	712.500	-6.2
2,4-D	8.471	8.386	8.586	643.940	705.000	-8.7
2,4-DB	10.231	10.147	10.347	759.090	712.500	6.5
2,4-DCAA	7.337	7.249	7.449	668.070	750.000	-10.9
DICAMBA	7.526	7.439	7.639	648.820	705.000	-8.0
DICHLORPROP	8.240	8.153	8.353	607.260	705.000	-13.9
Dinoseb	11.447	11.366	11.566	644.130	705.000	-8.6



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2458
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL06 **Date Analyzed:** 07/09/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030967.D **Time Analyzed:** 14:52

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.361	10.259	10.459	635.110	712.500	-10.9
2,4,5-TP(Silvex)	9.934	9.833	10.033	629.760	712.500	-11.6
2,4-D	9.028	8.927	9.127	626.500	705.000	-11.1
2,4-DB	10.929	10.827	11.027	617.890	712.500	-13.3
2,4-DCAA	7.769	7.670	7.870	636.310	750.000	-15.2
DICAMBA	7.972	7.872	8.072	613.280	705.000	-13.0
DICHLORPROP	8.692	8.591	8.791	588.860	705.000	-16.5
Dinoseb	11.313	11.211	11.411	588.950	705.000	-16.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
 Data File : PS030967.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 14:52
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 01:42:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.337	7.769	2454.7E6	682.1E6	668.065	636.314m
Target Compounds							
1) T	Dalapon	2.701	2.711	3411.1E6	1538.6E6	571.789	561.169
2) T	3,5-DICHL...	6.497	6.715	3365.9E6	941.2E6	625.908	583.482
3) T	4-Nitroph...	7.136	7.302	967.6E6	1003.1E6	613.686	578.618
5) T	DICAMBA	7.526	7.972	9871.9E6	4018.9E6	648.824m	613.275
6) T	MCPD	7.707	8.070	629.9E6	134.4E6	67.093m	64.081
7) T	MCPA	7.858	8.320	749.4E6	200.2E6	63.883	63.636
8) T	DICHLORPROP	8.240	8.692	2274.7E6	926.0E6	607.263	588.860m
9) T	2,4-D	8.471	9.028	2218.0E6	1064.7E6	643.935	626.498m
10) T	Pentachlo...	8.779	9.553	35073.3E6	24565.8E6	662.692	644.398
11) T	2,4,5-TP ...	9.359	9.934	13381.7E6	9086.6E6	668.068	629.756
12) T	2,4,5-T	9.653	10.361	11678.8E6	8678.5E6	709.822	635.105
13) T	2,4-DB	10.231	10.929	1741.0E6	730.9E6	759.092	617.893
14) T	DINOSEB	11.447	11.313	8936.1E6	6349.6E6	644.126m	588.947m
15) T	Picloram	11.259	12.424	11665.6E6	14630.9E6	725.649m	629.516
16) T	DCPA	11.744	12.358	17913.9E6	14185.7E6	699.319	643.551

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
Data File : PS030967.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:52
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

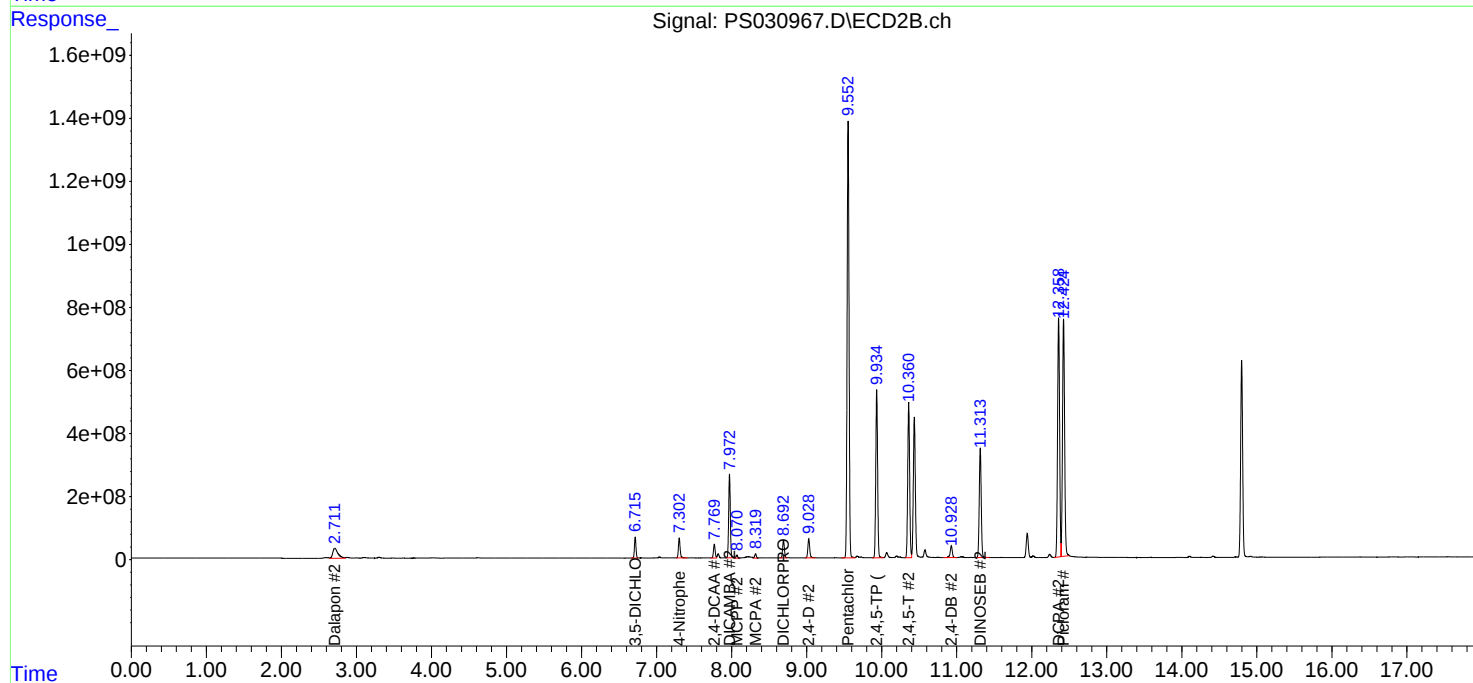
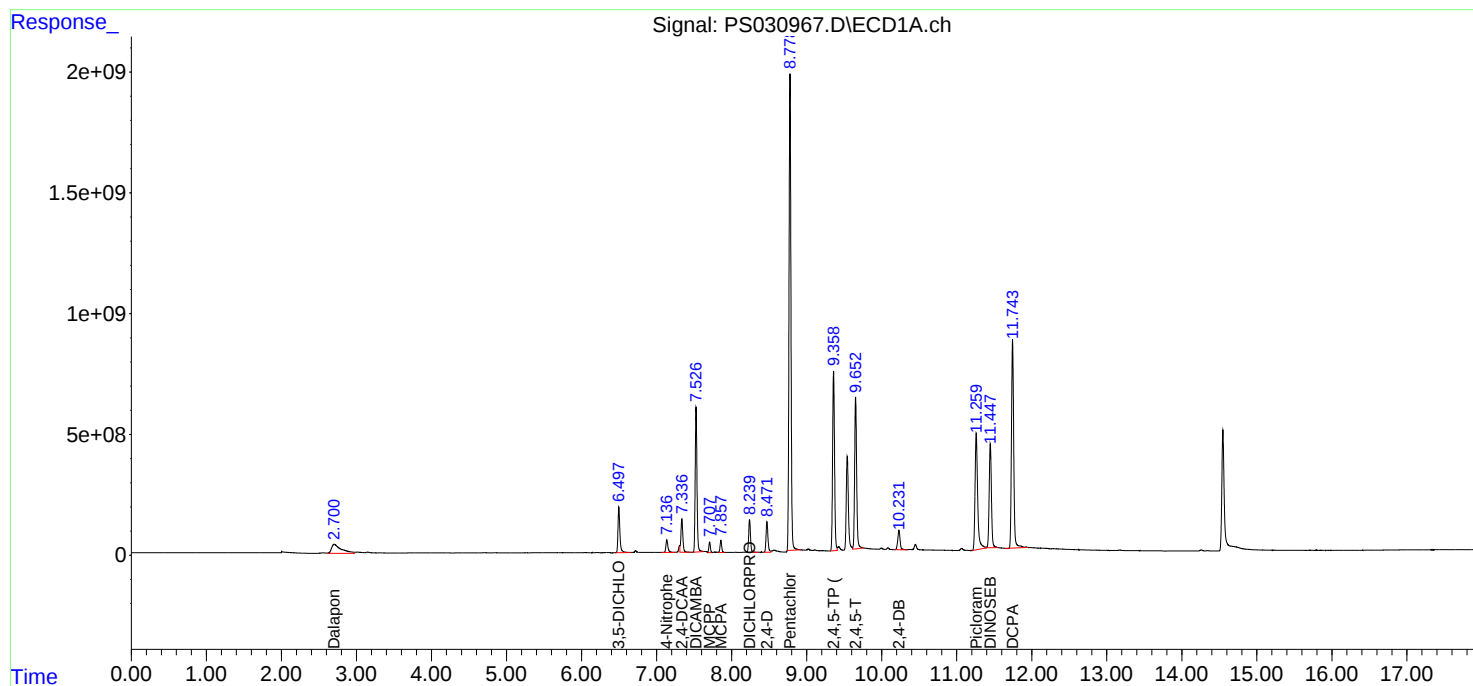
APPROVED

Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: CDM Smith	SDG No.: Q2458
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 06/18/2025 06/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	06/18/2025	11:01	PS030738.D	7.35	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.35	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.35	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.35	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.35	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.35	0.00
IBLK	IBLK	07/07/2025	09:37	PS030916.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.34	0.00
TP-55	Q2458-02	07/07/2025	10:37	PS030918.D	7.34	0.00
TP-68	Q2458-03	07/07/2025	11:01	PS030919.D	7.34	0.00
TP-67	Q2458-04	07/07/2025	11:26	PS030920.D	7.34	0.00
TP-66	Q2458-05	07/07/2025	11:50	PS030921.D	7.34	0.00
TP-60	Q2458-06	07/07/2025	12:14	PS030922.D	7.34	0.00
TP-62	Q2458-07	07/07/2025	12:38	PS030923.D	7.34	0.00
TP-63	Q2458-08	07/07/2025	13:02	PS030924.D	7.34	0.00
TP-59	Q2458-09	07/07/2025	13:27	PS030925.D	7.34	0.00
IBLK	IBLK	07/07/2025	18:47	PS030927.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.34	0.00
IBLK	IBLK	07/08/2025	08:37	PS030943.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/08/2025	09:27	PS030944.D	7.34	0.00
TP-76	Q2458-01	07/08/2025	11:55	PS030946.D	7.34	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.34	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.34	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.34	0.00
PB168717BL	PB168717BL	07/08/2025	13:56	PS030951.D	7.34	0.00
PB168717BS	PB168717BS	07/08/2025	14:20	PS030952.D	7.34	0.00
PB168717BSD	PB168717BSD	07/08/2025	14:52	PS030953.D	7.34	0.00
FB-06272025	Q2458-10	07/08/2025	15:16	PS030954.D	7.34	0.00
IBLK	IBLK	07/08/2025	15:41	PS030955.D	7.34	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.34	0.00
IBLK	IBLK	07/09/2025	09:32	PS030958.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	11:36	PS030959.D	7.34	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.34	0.00
IBLK	IBLK	07/09/2025	14:28	PS030966.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	14:52	PS030967.D	7.34	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2458
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 06/18/2025 06/18/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	06/18/2025	11:01	PS030738.D	7.77	0.00
HSTDICC200	HSTDICC200	06/18/2025	11:25	PS030739.D	7.77	0.00
HSTDICC500	HSTDICC500	06/18/2025	11:49	PS030740.D	7.77	0.00
HSTDICC750	HSTDICC750	06/18/2025	12:13	PS030741.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/18/2025	12:37	PS030742.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/18/2025	13:29	PS030743.D	7.77	0.00
IBLK	IBLK	07/07/2025	09:37	PS030916.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	10:01	PS030917.D	7.77	0.00
TP-55	Q2458-02	07/07/2025	10:37	PS030918.D	7.77	0.00
TP-68	Q2458-03	07/07/2025	11:01	PS030919.D	7.77	0.00
TP-67	Q2458-04	07/07/2025	11:26	PS030920.D	7.77	0.00
TP-66	Q2458-05	07/07/2025	11:50	PS030921.D	7.77	0.00
TP-60	Q2458-06	07/07/2025	12:14	PS030922.D	7.77	0.00
TP-62	Q2458-07	07/07/2025	12:38	PS030923.D	7.76	0.00
TP-63	Q2458-08	07/07/2025	13:02	PS030924.D	7.77	0.00
TP-59	Q2458-09	07/07/2025	13:27	PS030925.D	7.77	0.00
IBLK	IBLK	07/07/2025	18:47	PS030927.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/07/2025	19:11	PS030928.D	7.77	0.00
IBLK	IBLK	07/08/2025	08:37	PS030943.D	7.76	0.00
PSTDCCC750	PSTDCCC750	07/08/2025	09:27	PS030944.D	7.77	0.00
TP-76	Q2458-01	07/08/2025	11:55	PS030946.D	7.77	0.00
PB168706BL	PB168706BL	07/08/2025	12:19	PS030947.D	7.77	0.00
TP-76MS	Q2458-01MS	07/08/2025	13:07	PS030949.D	7.77	0.00
TP-76MSD	Q2458-01MSD	07/08/2025	13:32	PS030950.D	7.77	0.00
PB168717BL	PB168717BL	07/08/2025	13:56	PS030951.D	7.77	0.00
PB168717BS	PB168717BS	07/08/2025	14:20	PS030952.D	7.77	0.00
PB168717BSD	PB168717BSD	07/08/2025	14:52	PS030953.D	7.77	0.00
FB-06272025	Q2458-10	07/08/2025	15:16	PS030954.D	7.77	0.00
IBLK	IBLK	07/08/2025	15:41	PS030955.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/08/2025	16:05	PS030956.D	7.77	0.00
IBLK	IBLK	07/09/2025	09:32	PS030958.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	11:36	PS030959.D	7.76	0.00
PB168706BS	PB168706BS	07/09/2025	14:04	PS030965.D	7.77	0.00
IBLK	IBLK	07/09/2025	14:28	PS030966.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/09/2025	14:52	PS030967.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168706BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168706BS

Date(s) Analyzed: 07/09/2025 07/09/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.65	9.60	9.70	183	9.1
	2	10.36	10.31	10.41	167	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	176	5.2
	2	9.93	9.88	9.98	167	
2,4-D	1	8.47	8.42	8.52	184	18.4
	2	9.03	8.98	9.08	153	
2,4-DB	1	10.23	10.18	10.28	192	17.6
	2	10.93	10.88	10.98	161	
DICHLORPROP	1	8.24	8.19	8.29	163	2.5
	2	8.69	8.64	8.74	159	
Dinoseb	1	11.45	11.40	11.50	170	9.2
	2	11.31	11.26	11.36	155	
DICAMBA	1	7.53	7.48	7.58	171	6
	2	7.97	7.92	8.02	161	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168717BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BS

Date(s) Analyzed: 07/08/2025 07/08/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.24	8.19	8.29	4.90	4.2
	2	8.69	8.64	8.74	4.70	
2,4-D	1	8.47	8.42	8.52	5.20	12.2
	2	9.03	8.98	9.08	4.60	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	5.30	5.8
	2	9.93	9.88	9.98	5.00	
2,4,5-T	1	9.65	9.60	9.70	5.70	11.1
	2	10.36	10.31	10.41	5.10	
2,4-DB	1	10.23	10.18	10.28	6.00	20.2
	2	10.93	10.88	10.98	4.90	
Dinoseb	1	11.45	11.40	11.50	5.10	10.3
	2	11.31	11.26	11.36	4.60	
DICAMBA	1	7.53	7.48	7.58	5.10	4
	2	7.97	7.92	8.02	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168717BSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: PB168717BSD

Date(s) Analyzed: 07/08/2025 07/08/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICHLORPROP	1	8.24	8.19	8.29	4.90	4.2
	2	8.69	8.64	8.74	4.70	
2,4-D	1	8.47	8.42	8.52	5.90	18.5
	2	9.03	8.98	9.08	4.90	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	5.30	5.8
	2	9.93	9.88	9.98	5.00	
2,4,5-T	1	9.66	9.61	9.71	5.60	9.3
	2	10.36	10.31	10.41	5.10	
2,4-DB	1	10.24	10.19	10.29	6.00	20.2
	2	10.93	10.88	10.98	4.90	
Dinoseb	1	11.45	11.40	11.50	5.10	8.2
	2	11.31	11.26	11.36	4.70	
DICAMBA	1	7.53	7.48	7.58	5.00	2
	2	7.97	7.92	8.02	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: Q2458-01MS

Date(s) Analyzed: 07/08/2025 07/08/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
DICAMBA	1	7.53	7.48	7.58	86.9	2.4
	2	7.97	7.92	8.02	84.8	
DICHLORPROP	1	8.24	8.19	8.29	95.6	7.5
	2	8.69	8.64	8.74	103	
2,4-D	1	8.47	8.42	8.52	138	37.5
	2	9.03	8.98	9.08	94.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.3	2.1
	2	9.93	9.88	9.98	97.3	
2,4,5-T	1	9.65	9.60	9.70	99.8	9.2
	2	10.36	10.31	10.41	91.0	
2,4-DB	1	10.23	10.18	10.28	97.1	13.2
	2	10.93	10.88	10.98	85.1	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-76MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2458

Lab Sample ID: Q2458-01MSD

Date(s) Analyzed: 07/08/2025 07/08/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4-D	1	8.47	8.42	8.52	139	37.2
	2	9.03	8.98	9.08	95.4	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	95.9	0.9
	2	9.94	9.89	9.99	96.8	
2,4,5-T	1	9.66	9.61	9.71	101	11.1
	2	10.36	10.31	10.41	90.4	
2,4-DB	1	10.23	10.18	10.28	95.5	3.4
	2	10.93	10.88	10.98	98.8	
DICHLORPROP	1	8.24	8.19	8.29	95.0	4.4
	2	8.69	8.64	8.74	99.3	
DICAMBA	1	7.53	7.48	7.58	88.8	2.9
	2	7.97	7.92	8.02	86.3	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168706BL	SDG No.:	Q2458
Lab Sample ID:	PB168706BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030947.D	1	07/02/25 11:30	07/08/25 12:19	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	7.70	U	7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	67.0	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	67.0	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	67.0	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	67.0	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	489		10 - 141	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\PS070825\
Data File : PS030947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 12:19
Operator : AR\AJ
Sample : PB168706BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168706BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:36:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.335	7.765	1659.7E6	524.6E6	451.684	489.360

Target Compounds

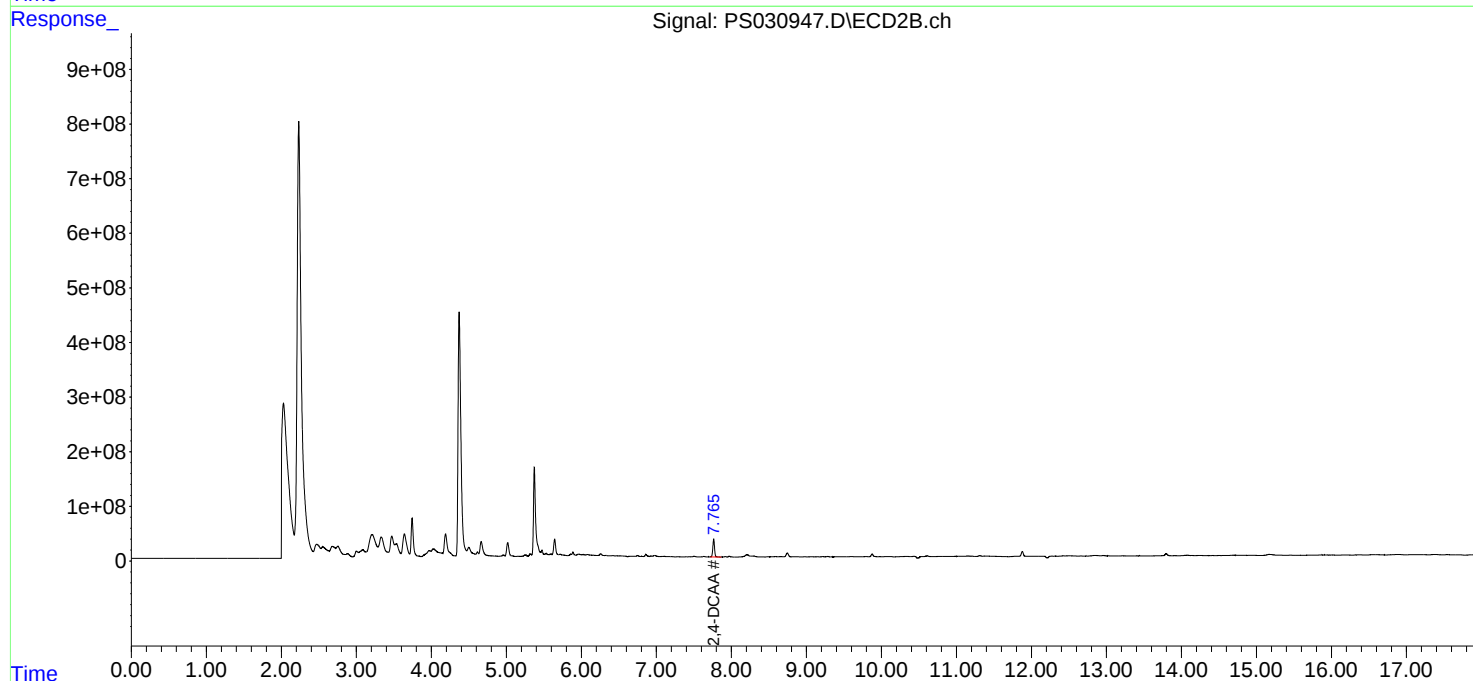
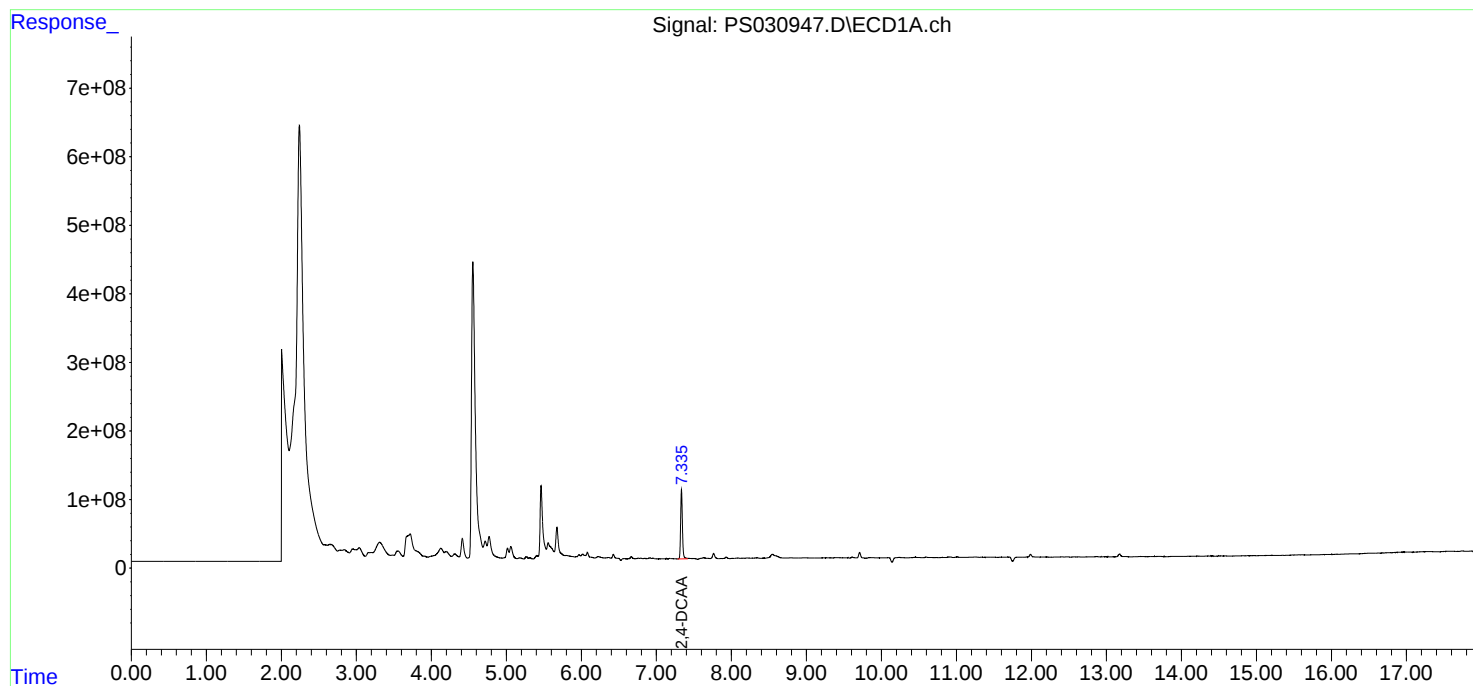
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

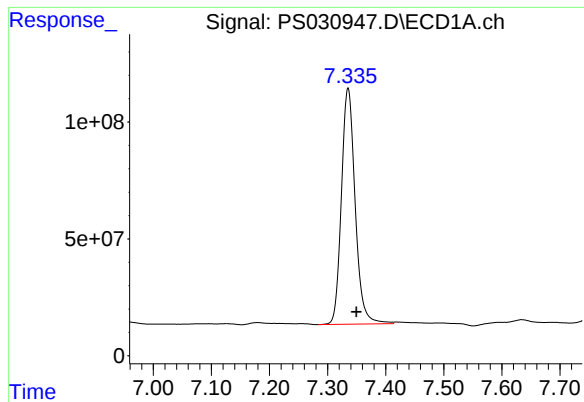
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 12:19
Operator : AR\AJ
Sample : PB168706BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168706BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:36:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

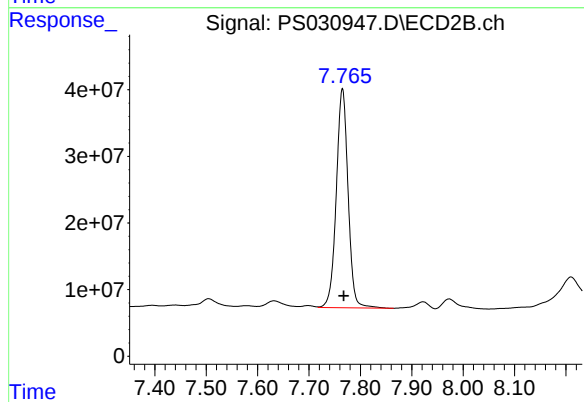




#4 2,4-DCAA

R.T.: 7.335 min
Delta R.T.: -0.014 min
Response: 1659666200
Conc: 451.68 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168706BL



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 524575714
Conc: 489.36 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168717BL	SDG No.:	Q2458
Lab Sample ID:	PB168717BL	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030951.D	1	07/03/25 08:57	07/08/25 13:56	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	479		61 - 136	96%	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\PS070825\
Data File : PS030951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:56
Operator : AR\AJ
Sample : PB168717BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168717BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.769	1644.3E6	513.3E6	447.515	478.840

Target Compounds

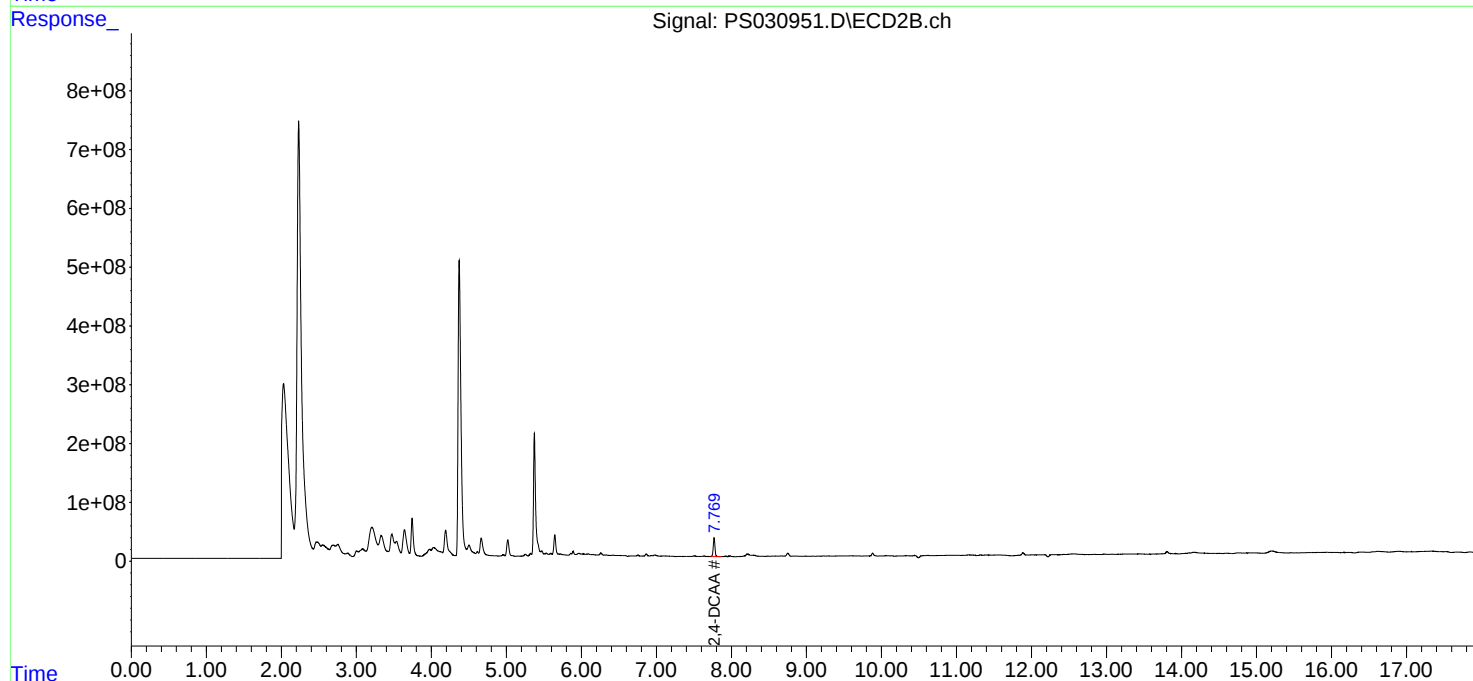
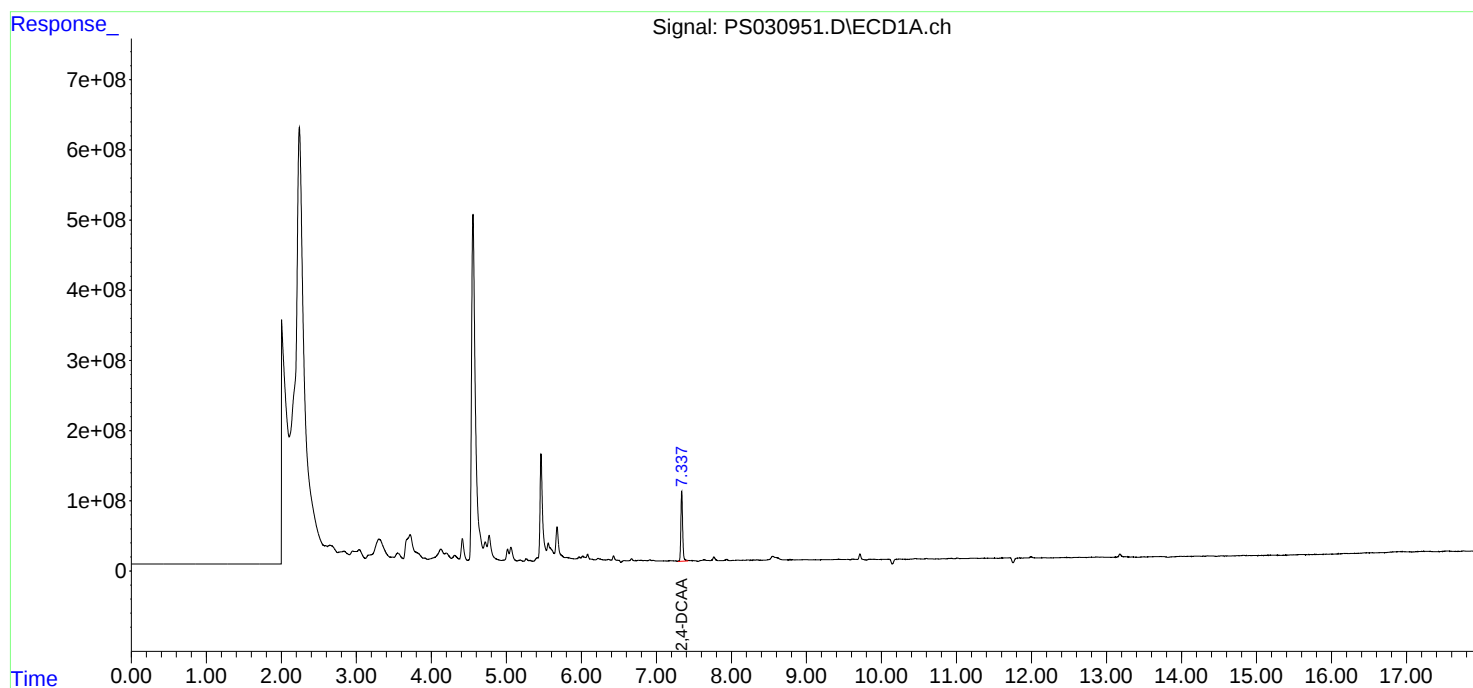
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

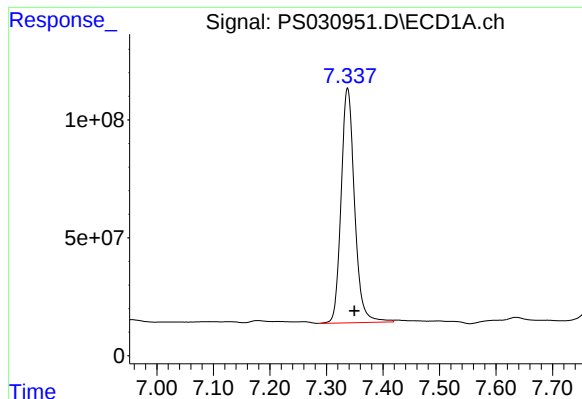
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:56
Operator : AR\AJ
Sample : PB168717BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168717BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:37:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

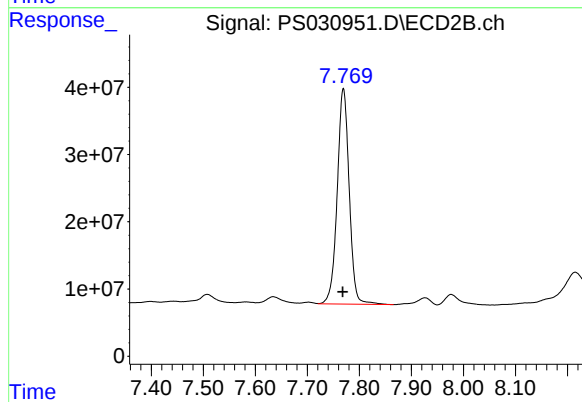




#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 1644346236
Conc: 447.51 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168717BL



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 513299614
Conc: 478.84 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/18/25
Project:	South River WM Replacement	Date Received:	06/18/25
Client Sample ID:	PIBLK-PS030738.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030738.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030738.D	1		06/18/25	PS061825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	487		61 - 136	97%	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\PS061825\
 Data File : PS030738.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 11:01
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 19 05:14:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

4) S 2,4-DCAA	7.349	7.770	1521.1E6	522.5E6	413.971	487.438
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Target Compounds

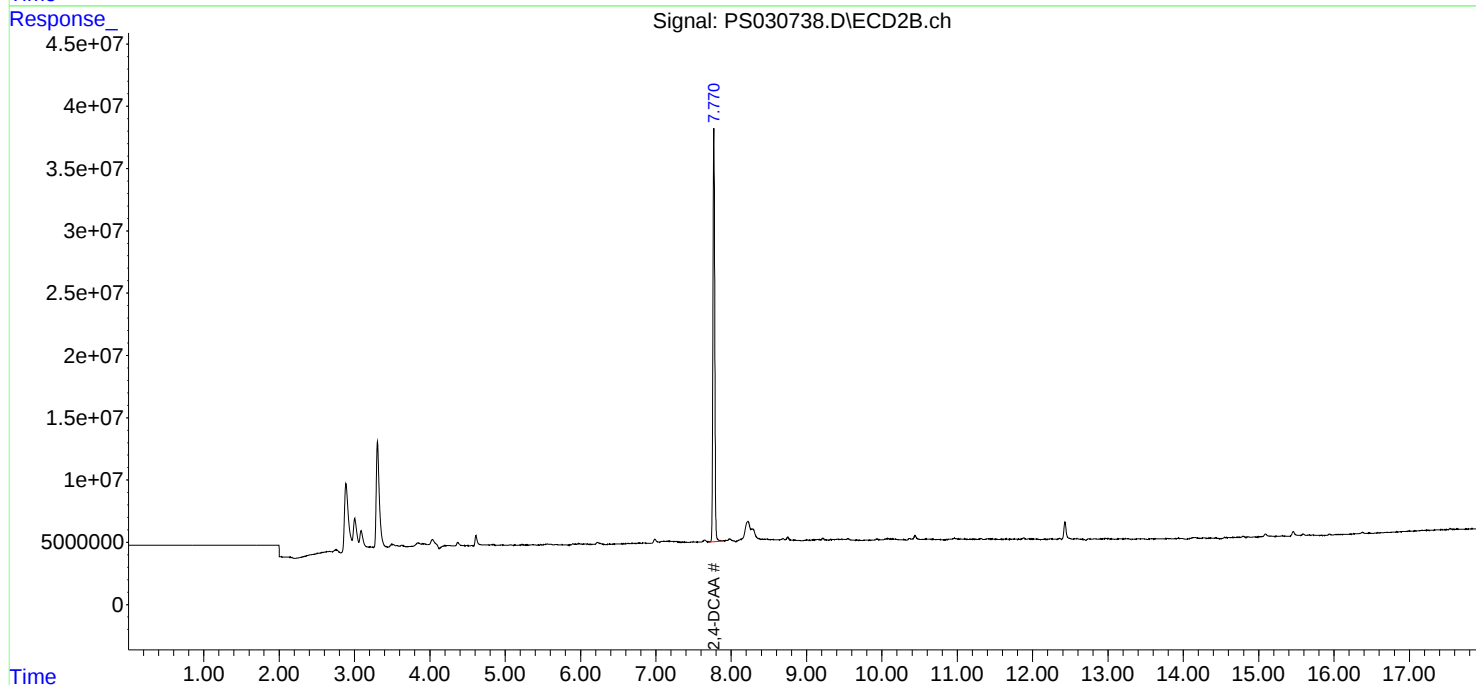
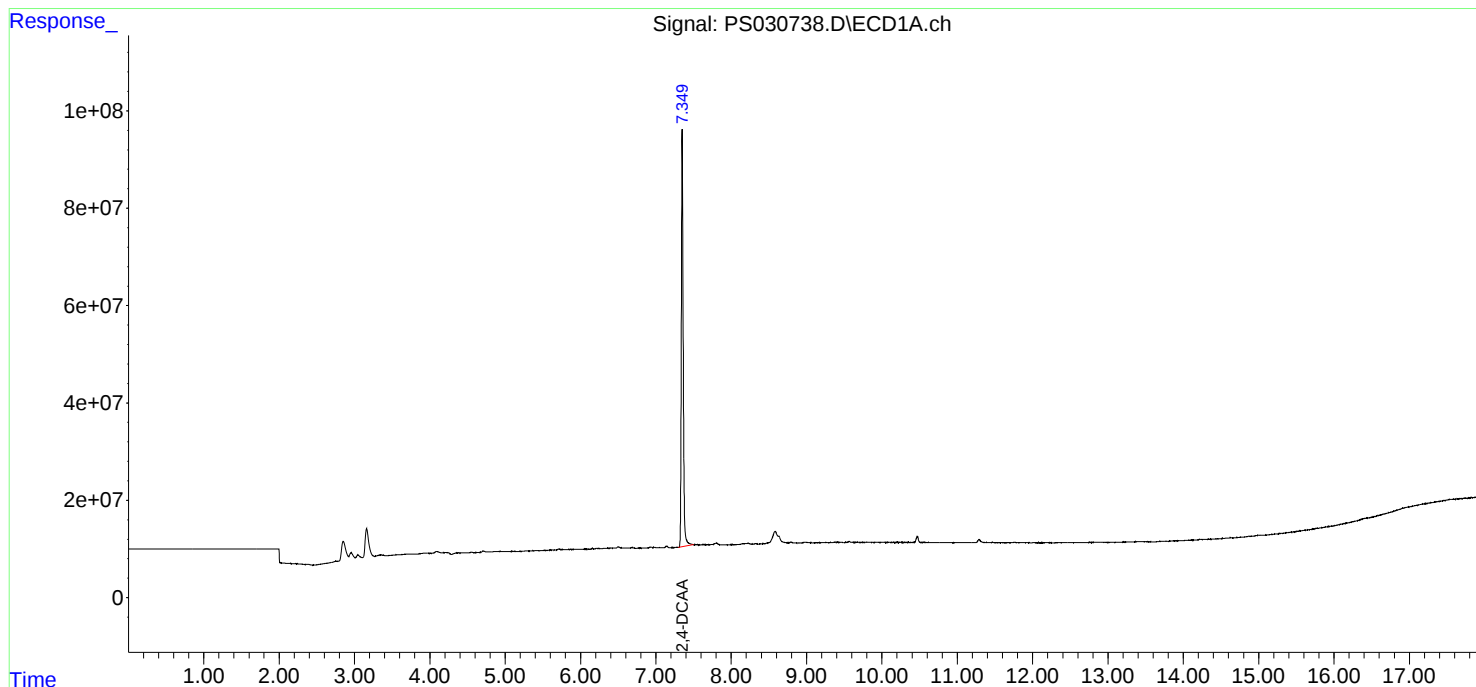
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

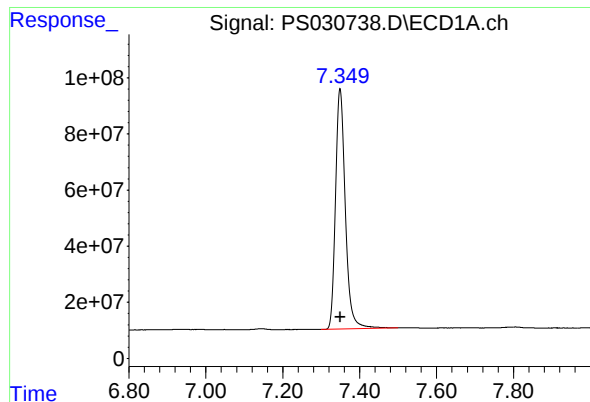
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 05:14:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.349 min

Delta R.T.: 0.000 min

Response: 1521092313

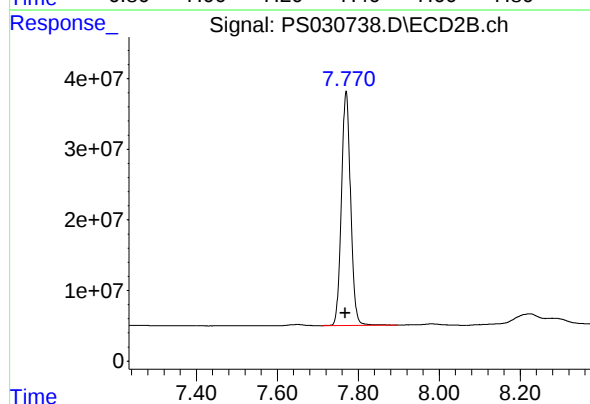
Conc: 413.97 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: 0.002 min

Response: 522516165

Conc: 487.44 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030916.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030916.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030916.D	1		07/07/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	481		61 - 136	96%	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\PS070725\
Data File : PS030916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 09:37
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: Jul 08 01:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.338	7.766	1547.4E6	515.5E6	421.129	480.886

Target Compounds

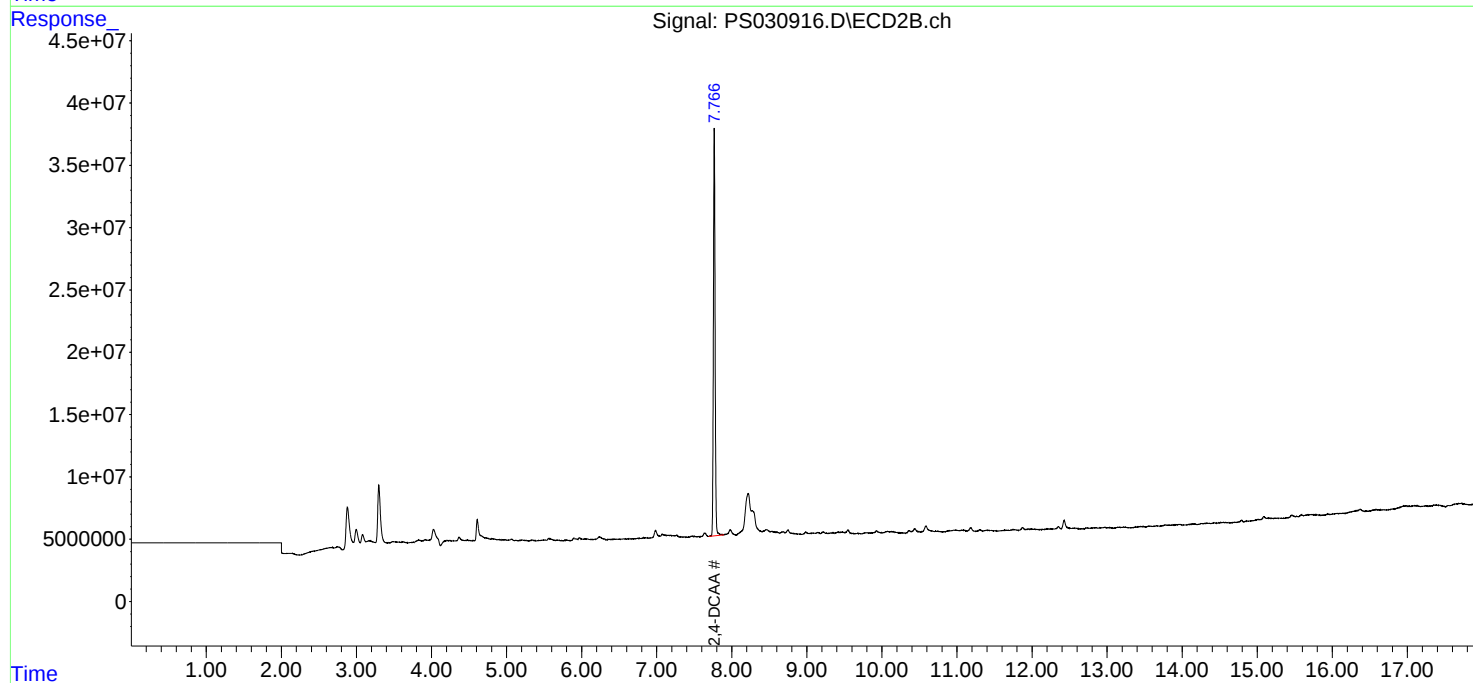
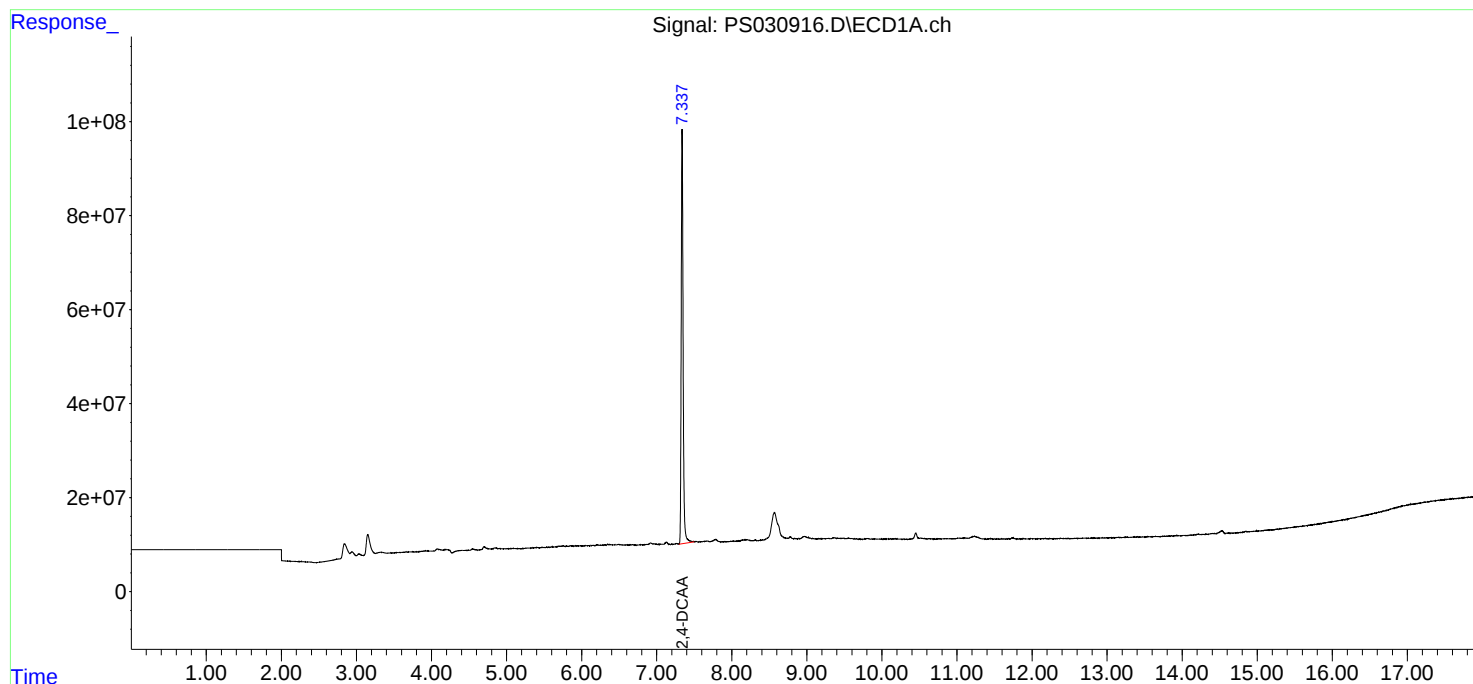
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 09:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

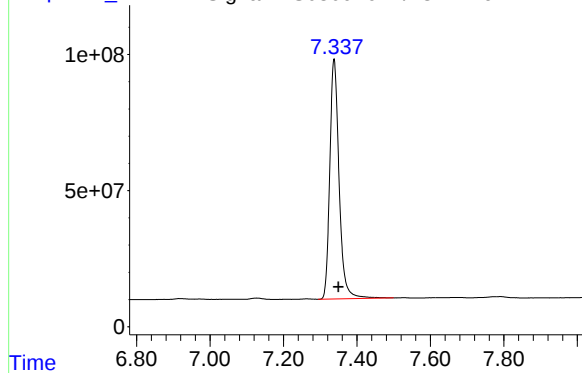
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_ Signal: PS030916.D\ECD1A.ch

#4 2,4-DCAA

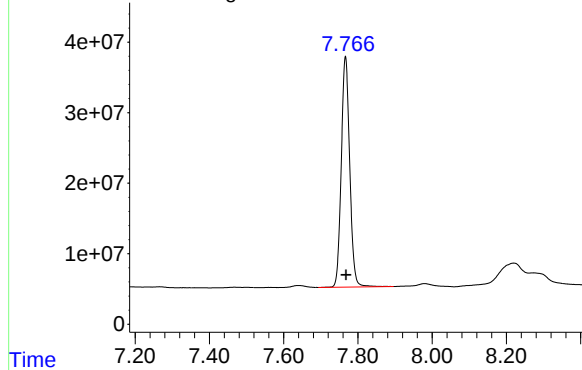


R.T.: 7.338 min
Delta R.T.: -0.012 min
Response: 1547394468
Conc: 421.13 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Response_ Signal: PS030916.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.001 min
Response: 515492744
Conc: 480.89 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/07/25
Project:	South River WM Replacement	Date Received:	07/07/25
Client Sample ID:	PIBLK-PS030927.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030927.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030927.D	1		07/07/25	PS070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	502		61 - 136	100%	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\PS070725\
Data File : PS030927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:47
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: Jul 08 01:51:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.766	1719.9E6	537.9E6	468.078	501.777

Target Compounds

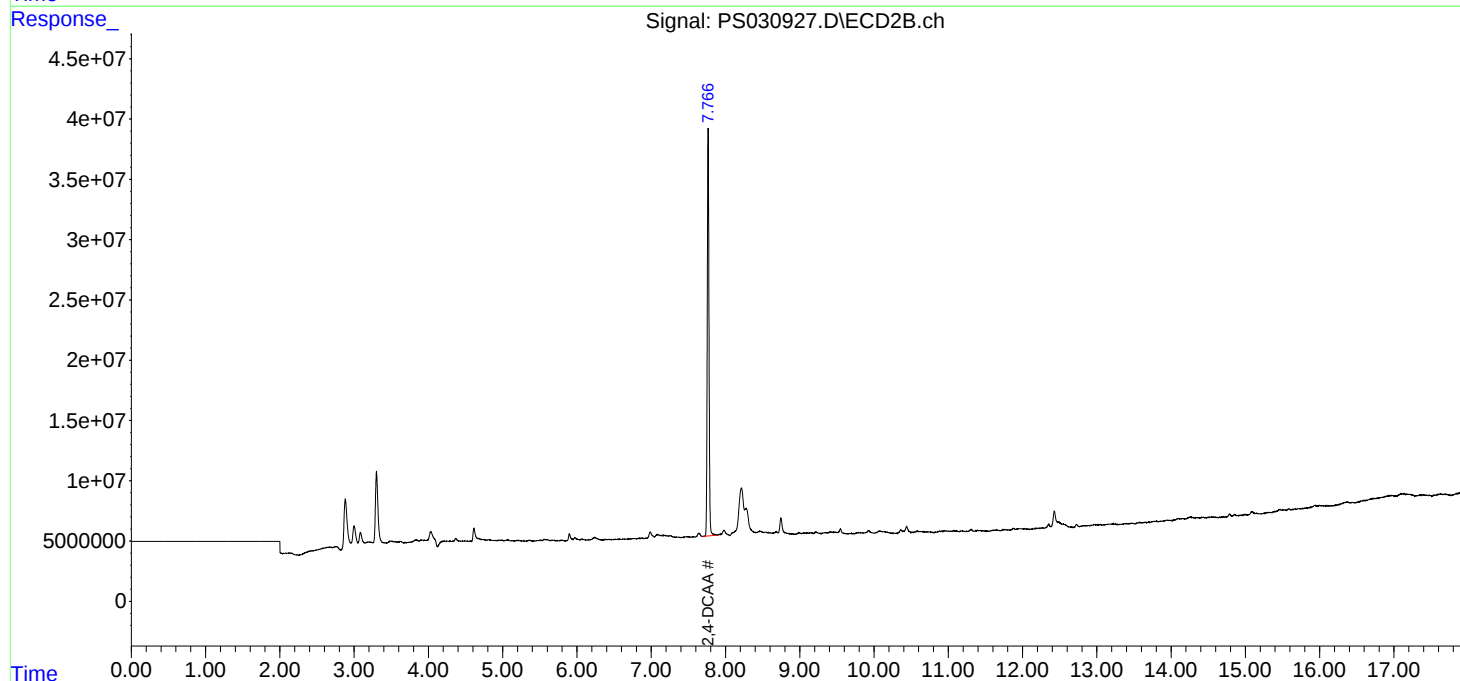
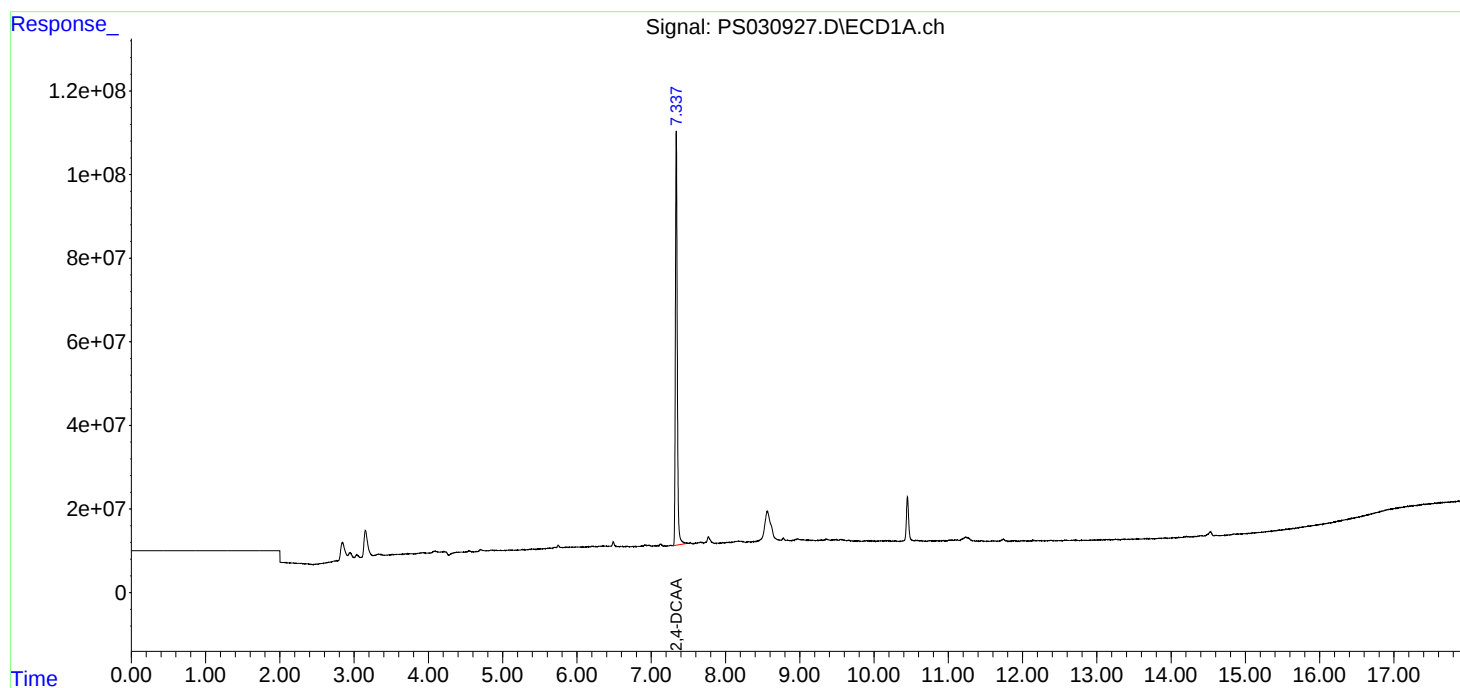
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070725\
Data File : PS030927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 18:47
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

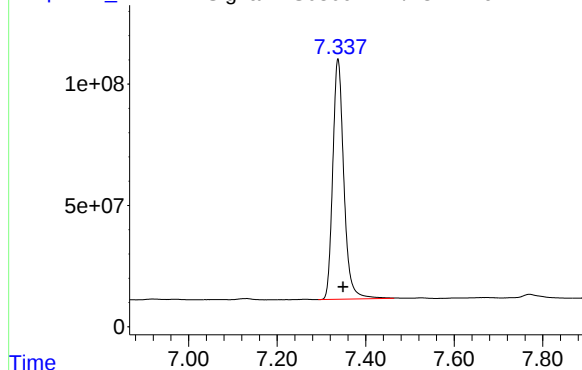
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 01:51:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS030927.D\ECD1A.ch

#4 2,4-DCAA

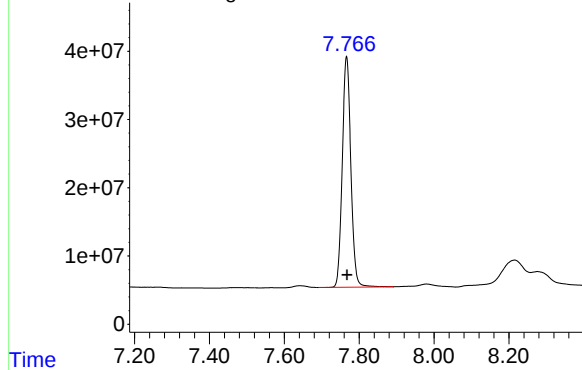


R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 1719904983
Conc: 468.08 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS030927.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 537886274
Conc: 501.78 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030943.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030943.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030943.D	1		07/08/25	PS070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	497		61 - 136	99%	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\PS070825\
Data File : PS030943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 08:37
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: Jul 08 12:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.764	1768.3E6	533.2E6	481.240	497.440

Target Compounds

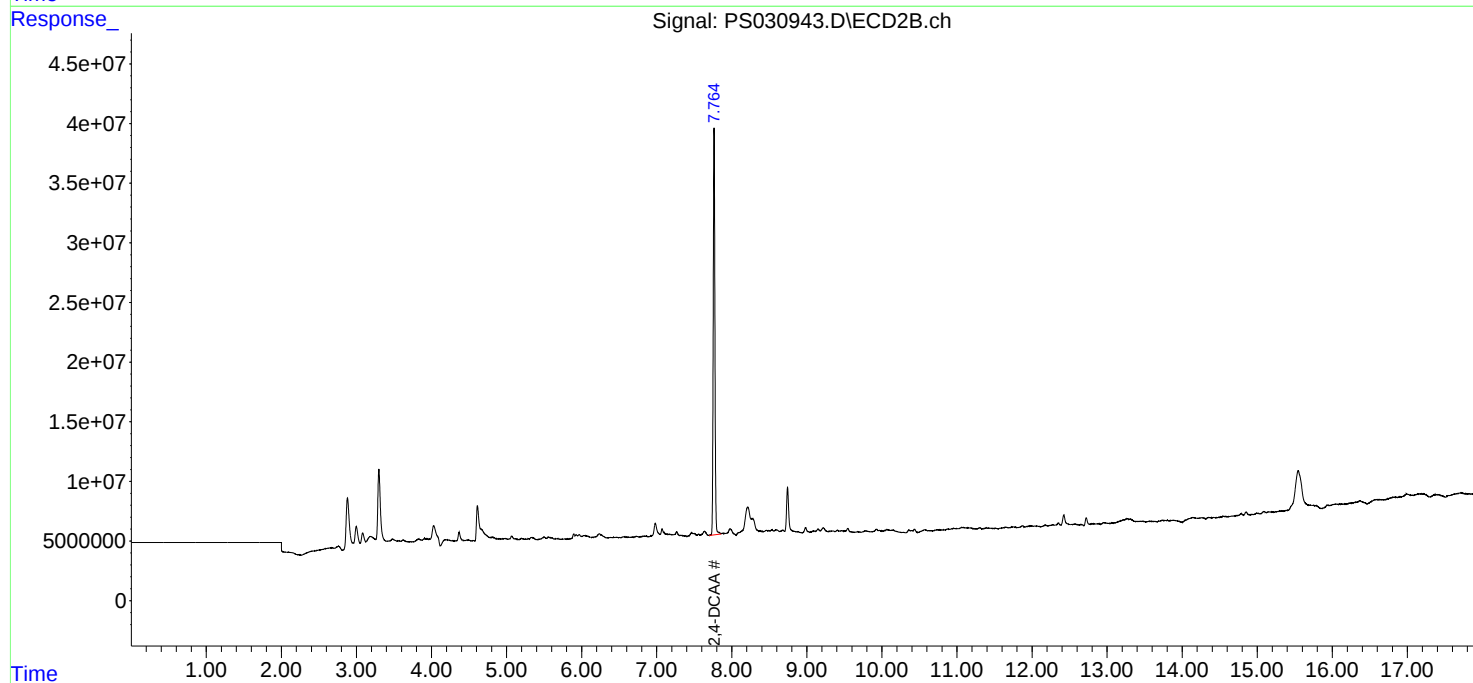
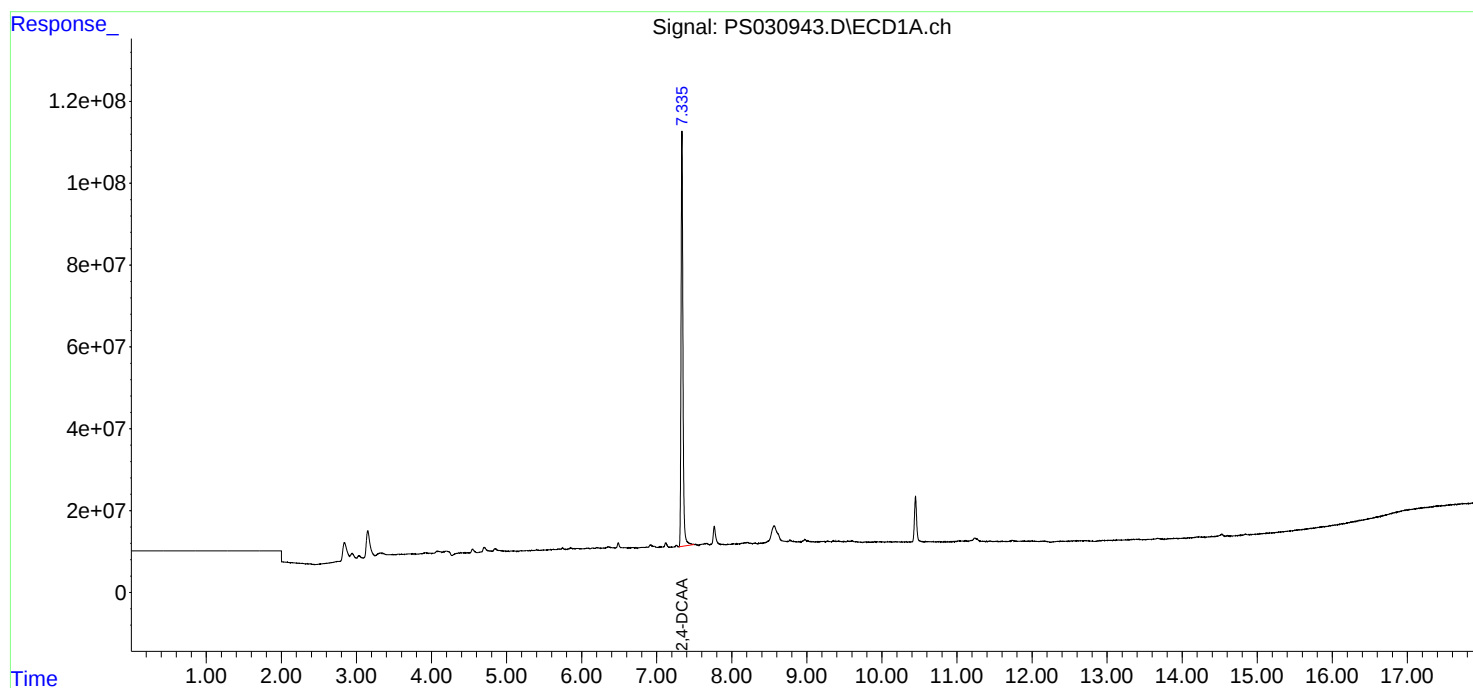
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

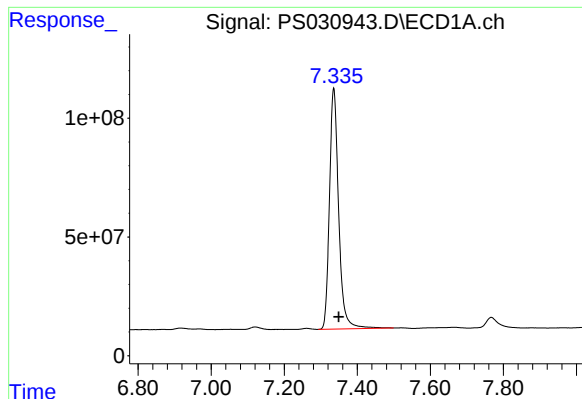
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 08:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 12:02:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

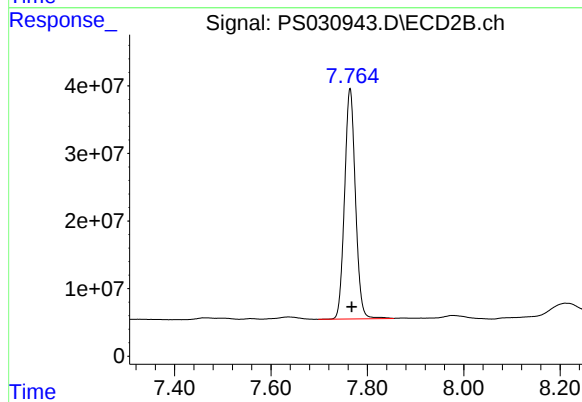




#4 2,4-DCAA

R.T.: 7.336 min
Delta R.T.: -0.014 min
Response: 1768267516
Conc: 481.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 533237384
Conc: 497.44 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	PIBLK-PS030955.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030955.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030955.D	1		07/08/25	ps070825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	469		61 - 136	94%	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\PS070825\
Data File : PS030955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:41
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: Jul 09 01:38:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.770	1673.0E6	503.2E6	455.318	469.375

Target Compounds

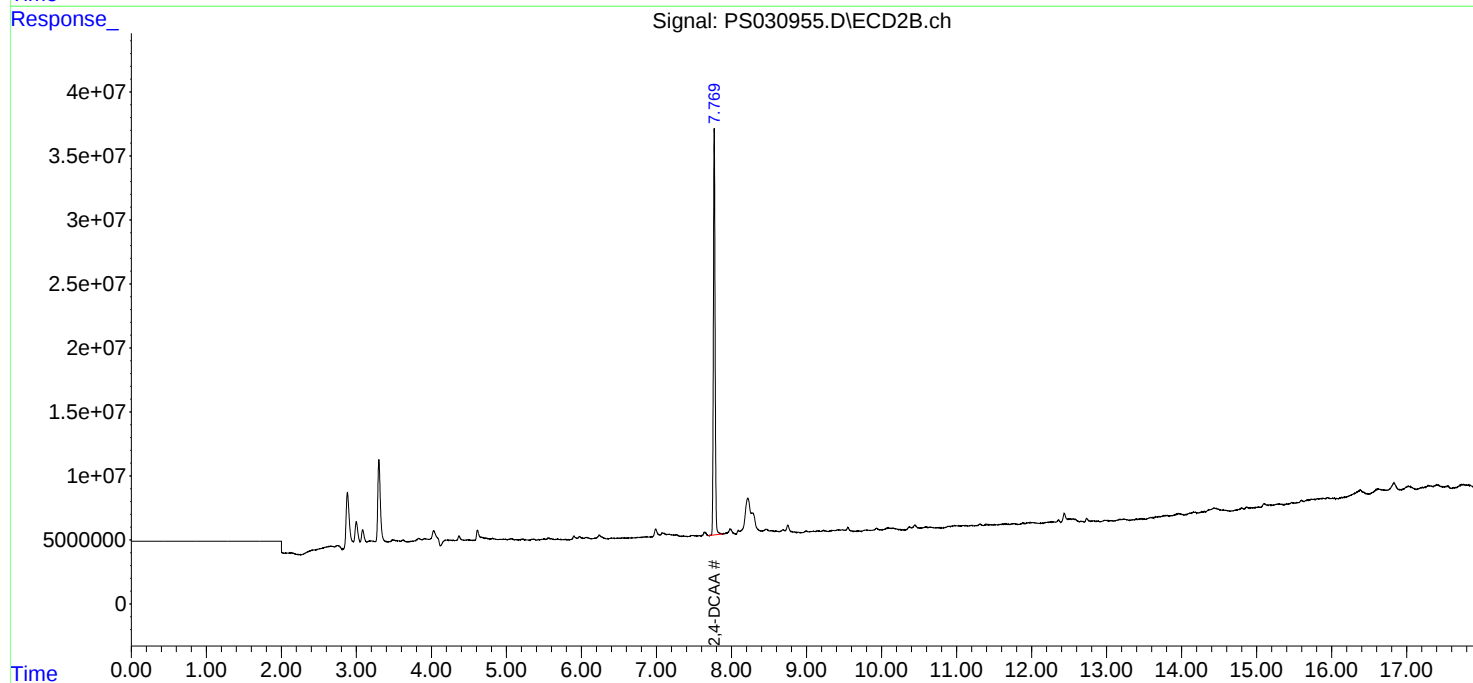
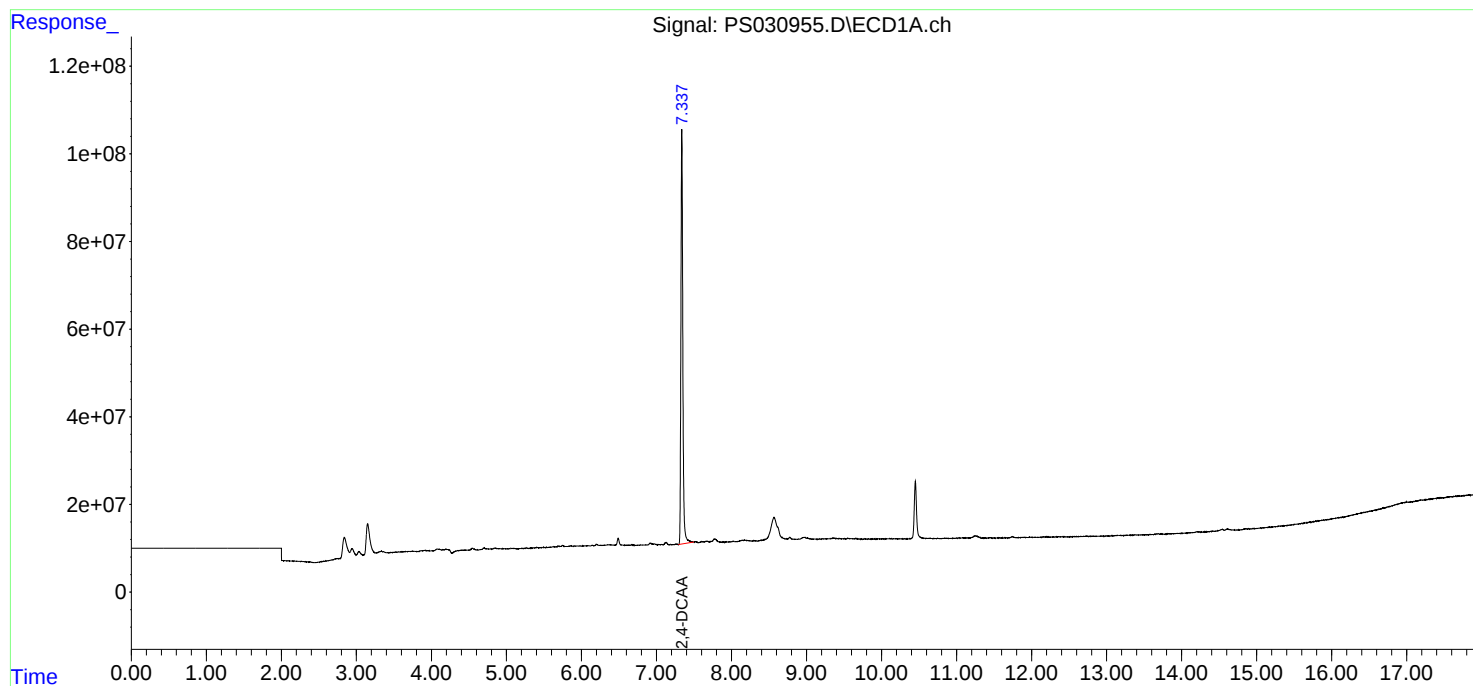
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

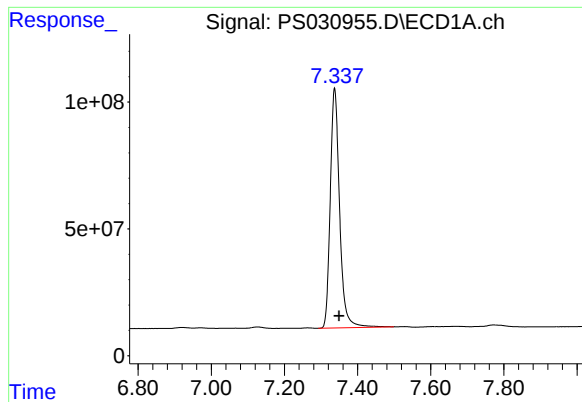
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030955.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 15:41
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:38:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 7.337 min

Delta R.T.: -0.012 min

Response: 1673018274

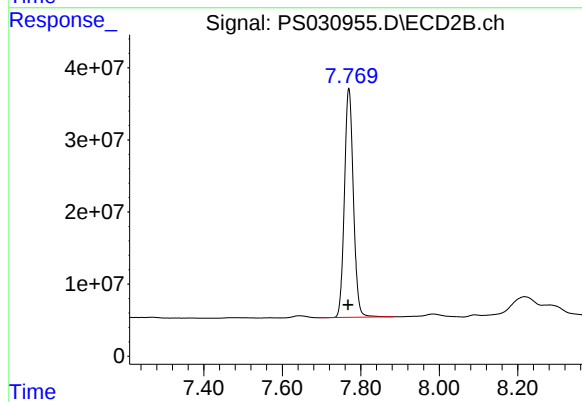
Conc: 455.32 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: 0.002 min

Response: 503153070

Conc: 469.38 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030958.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030958.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030958.D	1		07/09/25	PS070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	462		61 - 136	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\PS070925\
Data File : PS030958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 09:32
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: Jul 09 14:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.769	1674.8E6	495.3E6	455.812	462.043

Target Compounds

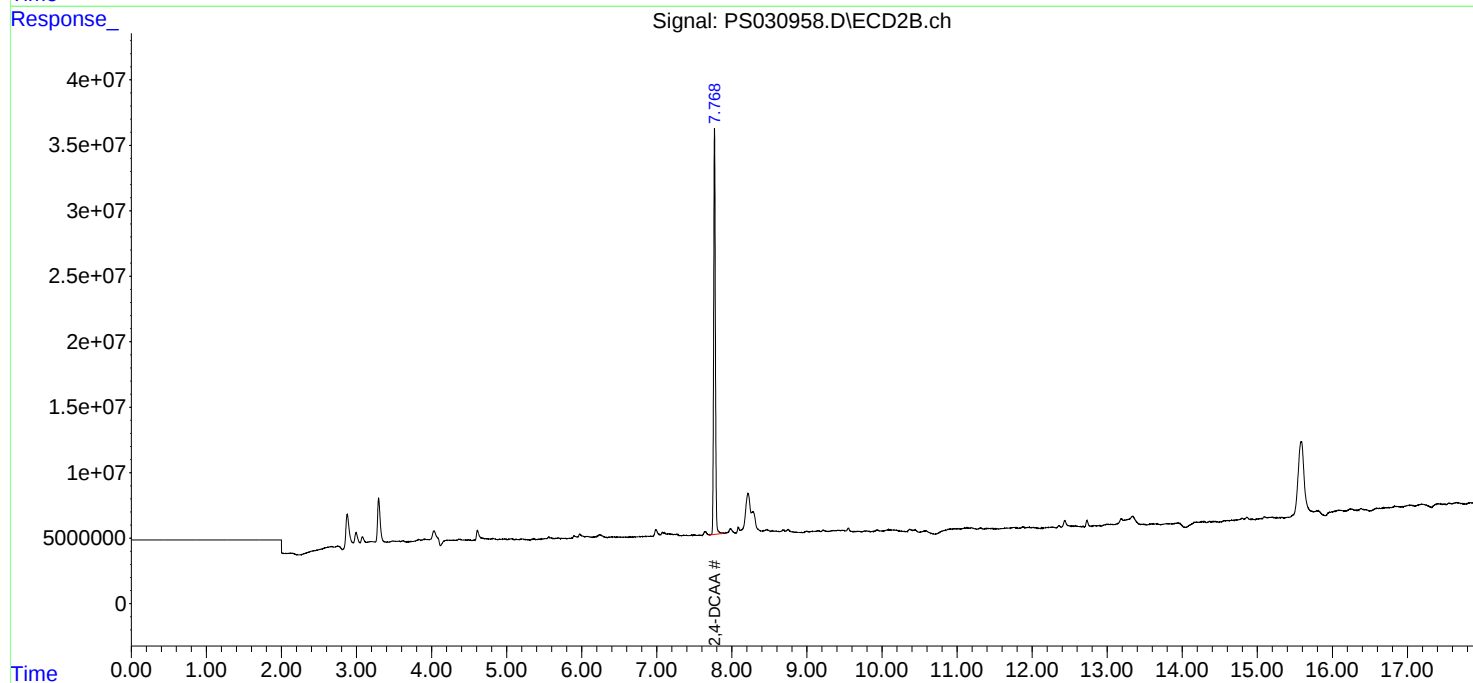
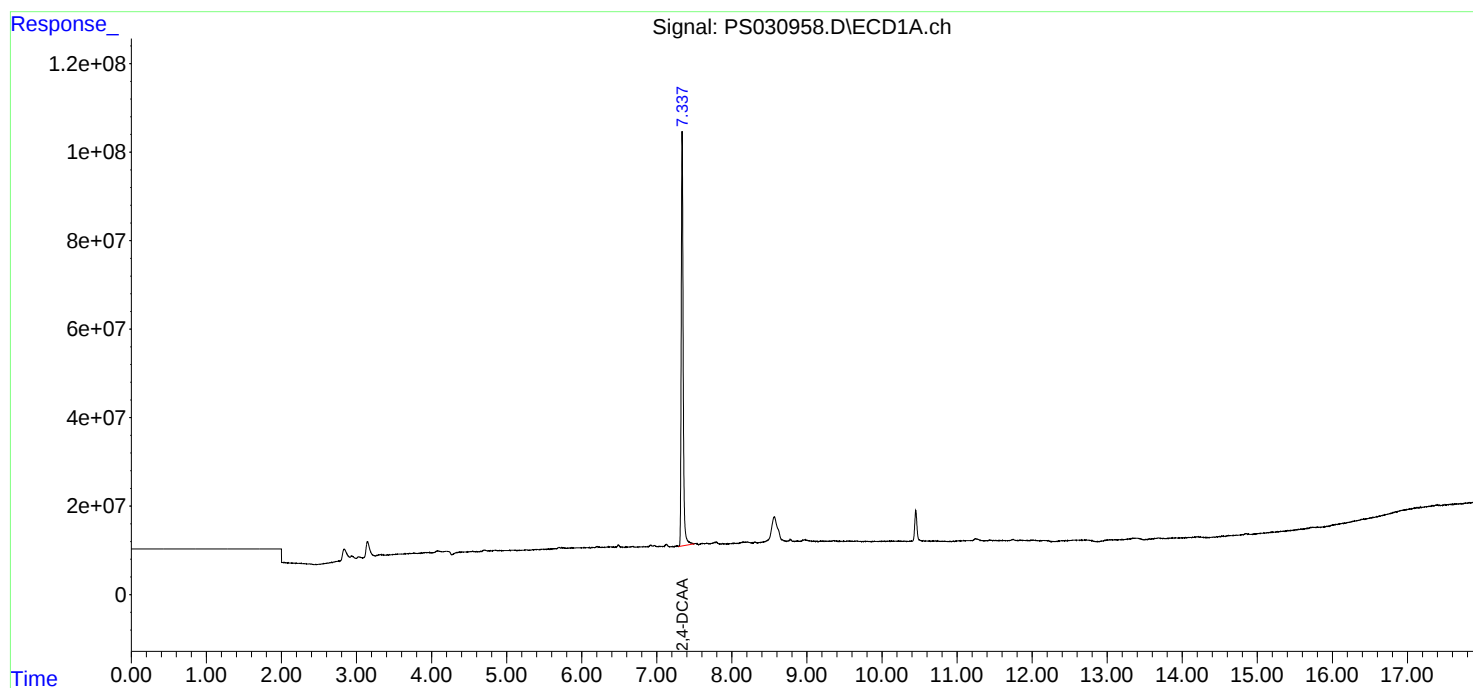
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

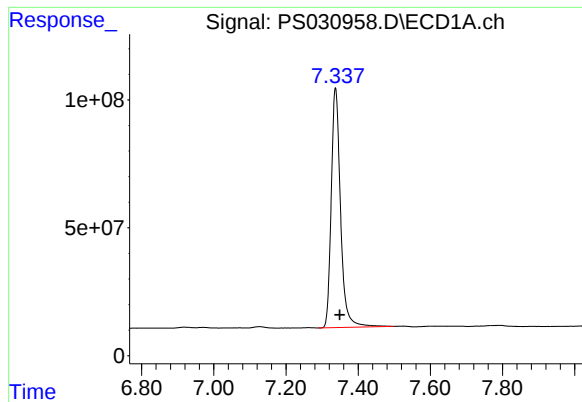
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
Data File : PS030958.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 09:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 14:13:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

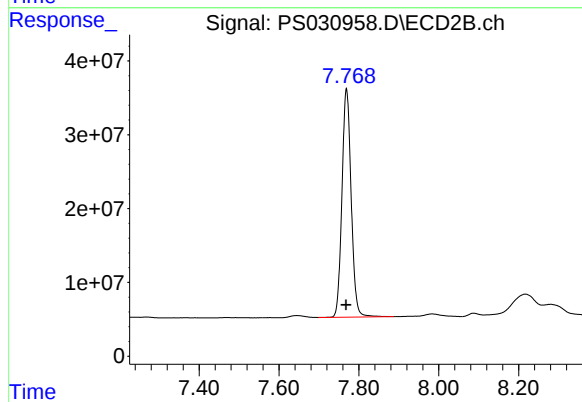




#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 1674833902
Conc: 455.81 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 495293715
Conc: 462.04 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	PIBLK-PS030966.D	SDG No.:	Q2458
Lab Sample ID:	I.BLK-PS030966.D	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030966.D	1		07/09/25	ps070925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	467		61 - 136	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\PS070925\
Data File : PS030966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:28
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: Jul 10 01:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.769	1649.5E6	500.8E6	448.914	467.135

Target Compounds

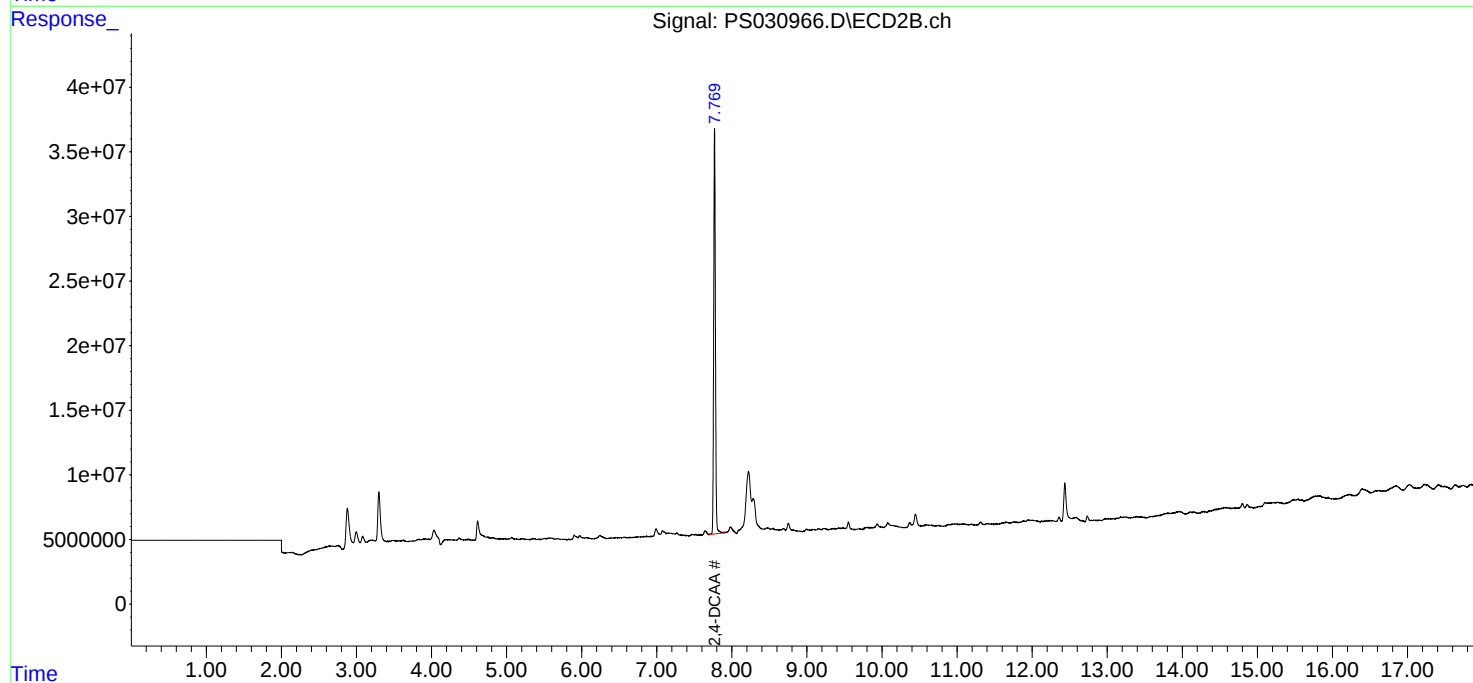
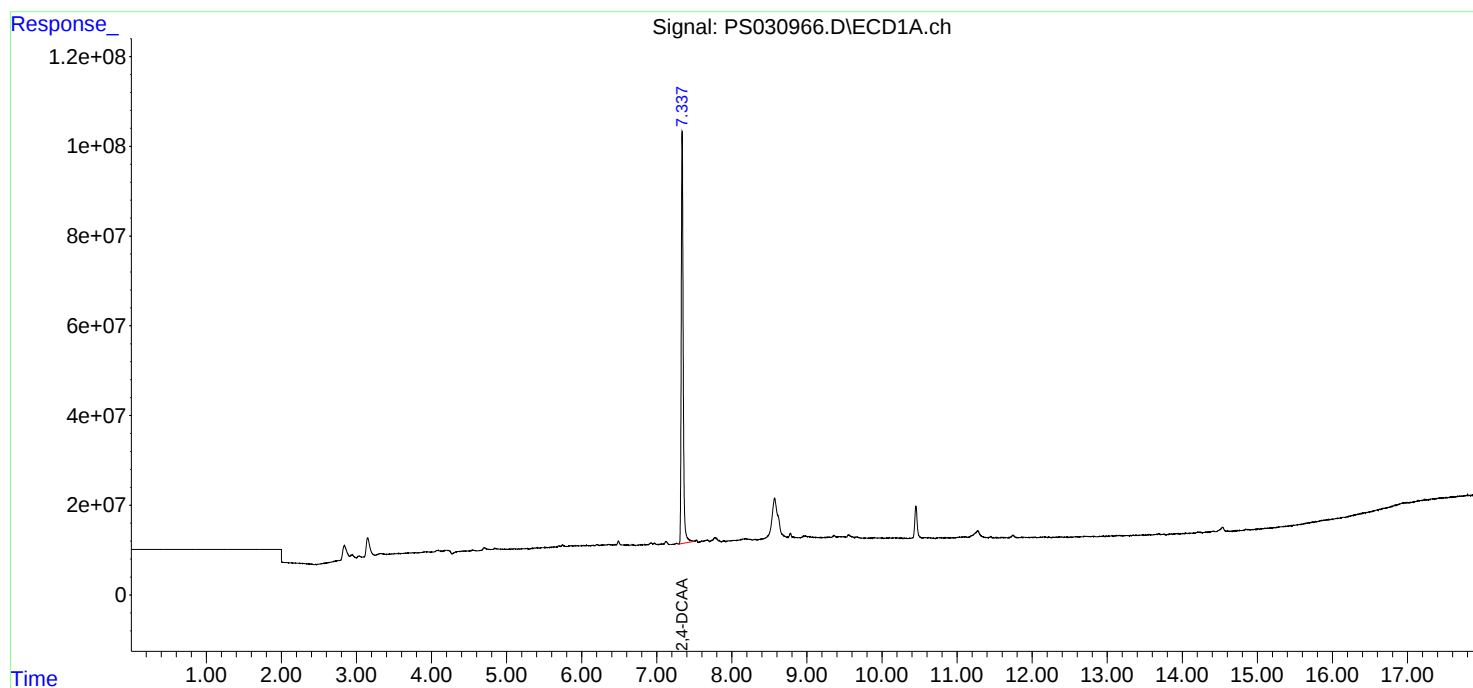
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
Data File : PS030966.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:28
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

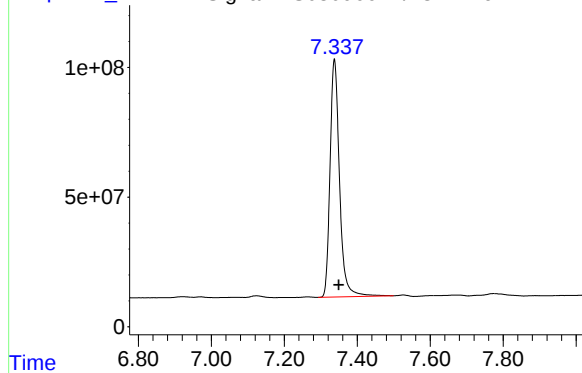
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS030966.D\ECD1A.ch

#4 2,4-DCAA

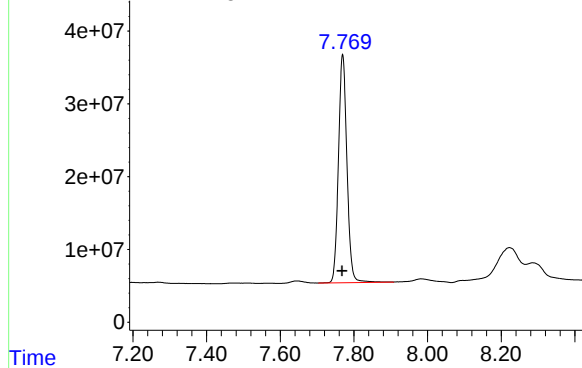


R.T.: 7.337 min
Delta R.T.: -0.012 min
Response: 1649487038
Conc: 448.91 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS030966.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.769 min
Delta R.T.: 0.002 min
Response: 500751864
Conc: 467.14 ng/ml

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168706BS		SDG No.:	Q2458	
Lab Sample ID:	PB168706BS		Matrix:	SOIL	
Analytical Method:	8151A		% 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
PS030965.D	1	07/02/25 11:30	07/09/25 14:04	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	171		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	163		12.8	66.9	ug/Kg
94-75-7	2,4-D	184		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	176		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	183		8.70	66.9	ug/Kg
94-82-6	2,4-DB	192		24.2	66.9	ug/Kg
88-85-7	DINOSEB	170		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	538		10 - 141	108%	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\PS070925\
 Data File : PS030965.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 14:04
 Operator : AR\AJ
 Sample : PB168706BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168706BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 01:42:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.338	7.769	1976.1E6	539.1E6	537.803	502.935
Target Compounds							
1) T	Dalapon	2.705	2.710	2842.1E6	1271.5E6	476.414	463.748
2) T	3,5-DICHL...	6.499	6.714	2698.3E6	751.7E6	501.774	465.954
3) T	4-Nitroph...	7.138	7.301	760.8E6	797.5E6	482.501	460.034
5) T	DICAMBA	7.528	7.971	7825.1E6	3171.3E6	514.299m	483.933
6) T	MCPD	7.708	8.069	470.5E6	103.1E6	50.113m	49.169
7) T	MCPA	7.858	8.318	570.1E6	151.0E6	48.598	47.990
8) T	DICHLORPROP	8.240	8.692	1831.7E6	748.5E6	488.999	475.997
9) T	2,4-D	8.473	9.029	1907.3E6	779.3E6	553.725	458.577
10) T	Pentachlo...	8.780	9.552	28153.5E6	19436.0E6	531.947	509.835
11) T	2,4,5-TP ...	9.360	9.934	10594.6E6	7233.7E6	528.924	501.339
12) T	2,4,5-T	9.654	10.361	9044.7E6	6866.3E6	549.727	502.491
13) T	2,4-DB	10.233	10.928	1319.8E6	572.4E6	575.468	483.881m
14) T	DINOSEB	11.448	11.314	7063.2E6	5014.6E6	509.124m	465.121
15) T	Picloram	11.262	12.425	8654.5E6	11239.7E6	538.344m	483.606
16) T	DCPA	11.745	12.359	14175.4E6	11251.4E6	553.375m	510.434

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070925\
Data File : PS030965.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:04
Operator : AR\AJ
Sample : PB168706BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

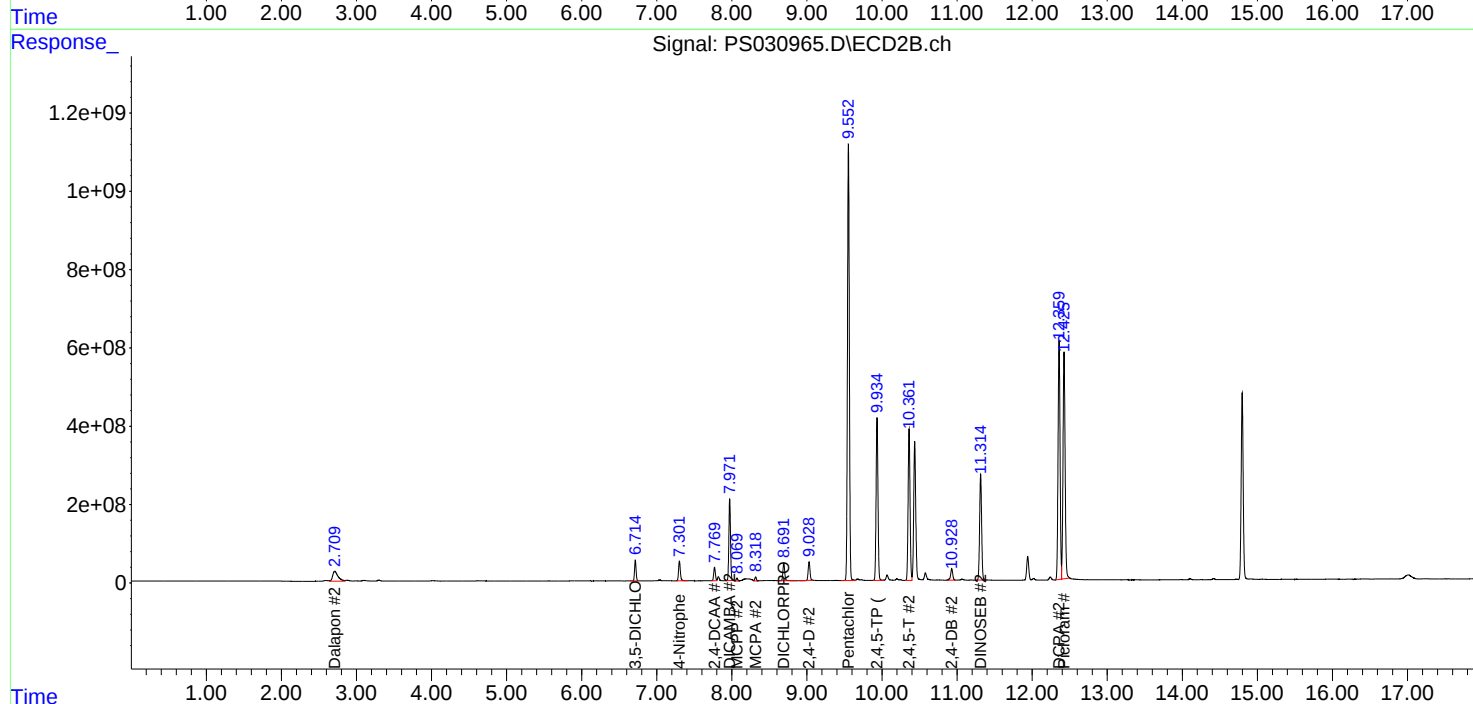
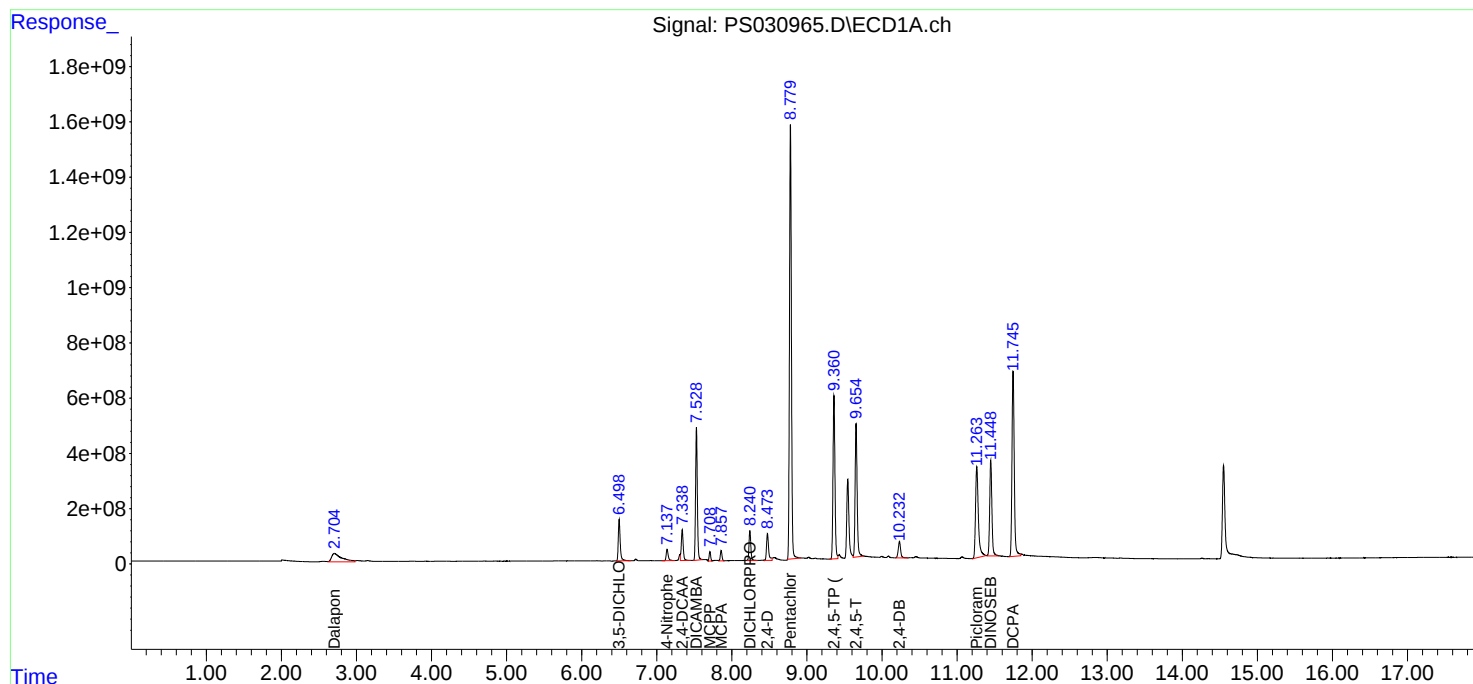
Instrument :
ECD_S
ClientSampleId :
PB168706BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/10/2025
Supervised By : mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:42:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168717BS	SDG No.:	Q2458
Lab Sample ID:	PB168717BS	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030952.D	1	07/03/25 08:57	07/08/25 14:20	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.10		0.65	2.00	ug/L
120-36-5	DICHLORPROP	4.90		0.76	2.00	ug/L
94-75-7	2,4-D	5.20		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.30		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.70		0.71	2.00	ug/L
94-82-6	2,4-DB	6.00		0.65	2.00	ug/L
88-85-7	DINOSEB	5.10		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	534		61 - 136	107%	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\PS070825\
 Data File : PS030952.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 14:20
 Operator : AR\AJ
 Sample : PB168717BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168717BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 01:37:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.337	7.770	1962.9E6	546.1E6	534.210m	509.448
Target Compounds							
1) T	Dalapon	2.706	2.711	2848.2E6	1297.9E6	477.433	473.393
2) T	3,5-DICHL...	6.498	6.715	2694.8E6	766.4E6	501.123	475.101
3) T	4-Nitroph...	7.137	7.302	786.2E6	797.3E6	498.638	459.924
5) T	DICAMBA	7.527	7.972	7813.2E6	3203.8E6	513.515m	488.896
6) T	MCPD	7.707	8.070	479.0E6	100.9E6	51.018m	48.131
7) T	MCPA	7.856	8.318	578.7E6	148.7E6	49.336	47.265
8) T	DICHLORPROP	8.240	8.692	1840.1E6	743.3E6	491.240	472.670
9) T	2,4-D	8.472	9.028	1780.0E6	786.3E6	516.790	462.680
10) T	Pentachlo...	8.779	9.553	28067.1E6	19545.0E6	530.314	512.696
11) T	2,4,5-TP ...	9.359	9.934	10634.3E6	7253.0E6	530.906	502.680
12) T	2,4,5-T	9.654	10.361	9323.4E6	6906.2E6	566.662	505.406
13) T	2,4-DB	10.231	10.929	1379.9E6	578.0E6	601.668	488.597
14) T	DINOSEB	11.448	11.314	7035.8E6	5001.4E6	507.151m	463.896
15) T	Picloram	11.259	12.424	9176.6E6	11394.5E6	570.822m	490.266
16) T	DCPA	11.745	12.358	14205.1E6	11260.9E6	554.533	510.864

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 14:20
Operator : AR\AJ
Sample : PB168717BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

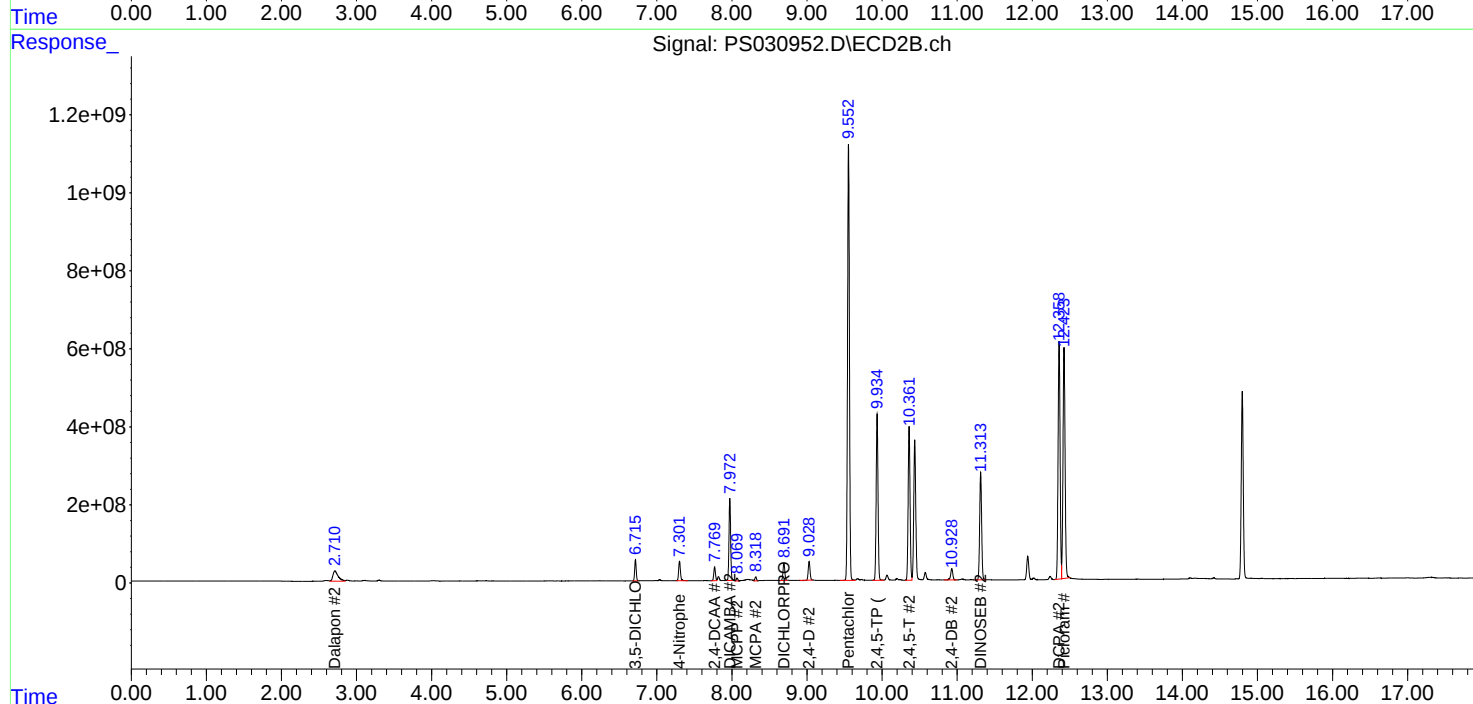
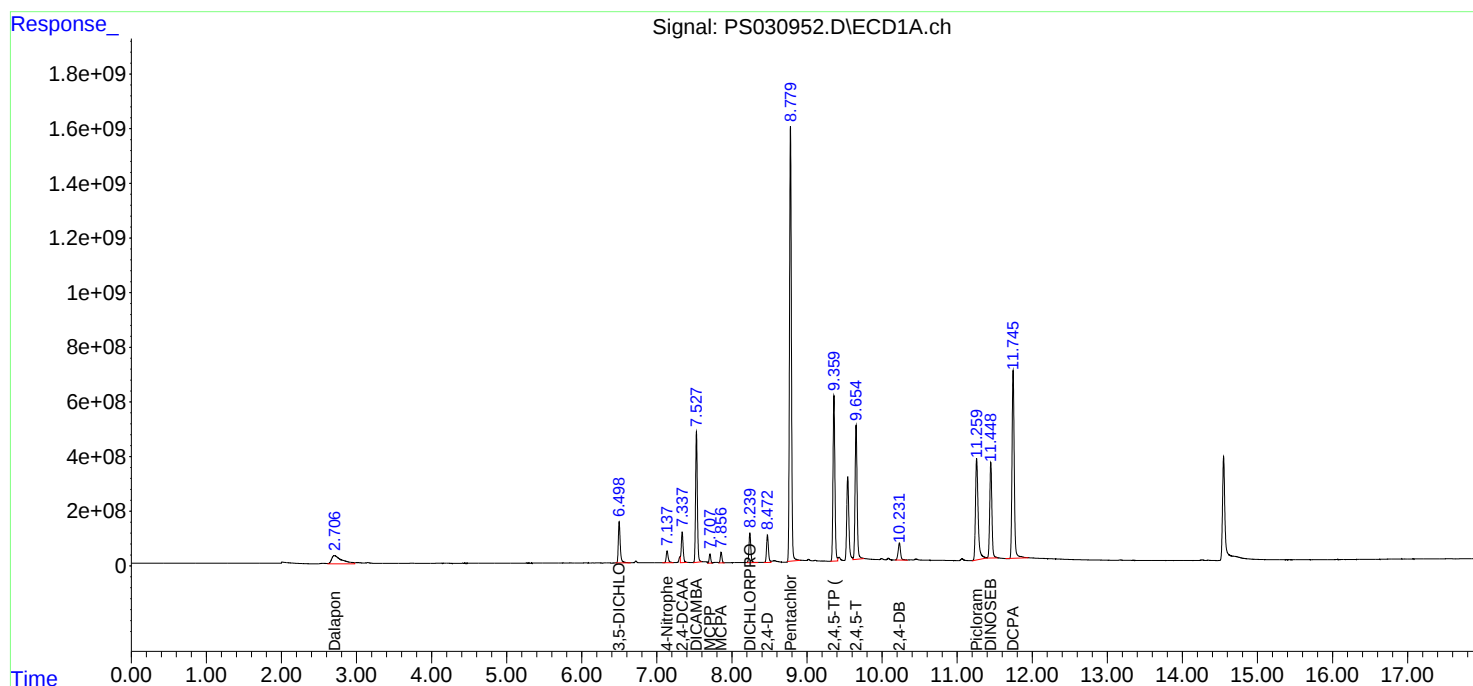
Instrument :
ECD_S
ClientSampleId :
PB168717BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/09/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:37:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168717BSD	SDG No.:	Q2458
Lab Sample ID:	PB168717BSD	Matrix:	WATER
Analytical Method:	8151A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	SW3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030953.D	1	07/03/25 08:57	07/08/25 14:52	PB168717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	5.00		0.65	2.00	ug/L
120-36-5	DICHLORPROP	4.90		0.76	2.00	ug/L
94-75-7	2,4-D	5.90		0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	5.30		0.78	2.00	ug/L
93-76-5	2,4,5-T	5.60		0.71	2.00	ug/L
94-82-6	2,4-DB	6.00		0.65	2.00	ug/L
88-85-7	DINOSEB	5.10		0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	539		61 - 136	108%	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\PS070825\
 Data File : PS030953.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 14:52
 Operator : AR\AJ
 Sample : PB168717BSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168717BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 01:37:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.339	7.768	1980.8E6	547.1E6	539.091	510.413
Target Compounds							
1) T	Dalapon	2.703	2.707	2943.1E6	1287.4E6	493.348	469.555
2) T	3,5-DICHL...	6.499	6.713	2696.6E6	762.9E6	501.449	472.945
3) T	4-Nitroph...	7.138	7.301	774.4E6	802.8E6	491.115	463.089
5) T	DICAMBA	7.529	7.971	7536.7E6	3187.5E6	495.345	486.395
6) T	MCPD	7.709	8.068	472.7E6	99316886	50.351m	47.354
7) T	MCPA	7.859	8.317	572.0E6	144.5E6	48.761	45.941
8) T	DICHLORPROP	8.242	8.691	1837.9E6	741.0E6	490.672	471.206
9) T	2,4-D	8.474	9.027	2045.6E6	833.6E6	593.877	490.544m
10) T	Pentachlo...	8.781	9.552	28210.1E6	19540.9E6	533.015	512.588
11) T	2,4,5-TP ...	9.361	9.933	10656.4E6	7252.0E6	532.011	502.609
12) T	2,4,5-T	9.656	10.360	9256.3E6	6927.3E6	562.587	506.953
13) T	2,4-DB	10.235	10.928	1379.3E6	577.1E6	601.404	487.852
14) T	DINOSEB	11.451	11.313	7141.5E6	5096.3E6	514.773m	472.704
15) T	Picloram	11.264	12.423	9232.0E6	11690.0E6	574.267m	502.983
16) T	DCPA	11.748	12.357	14200.1E6	11330.3E6	554.338	514.013m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030953.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 14:52
Operator : AR\AJ
Sample : PB168717BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

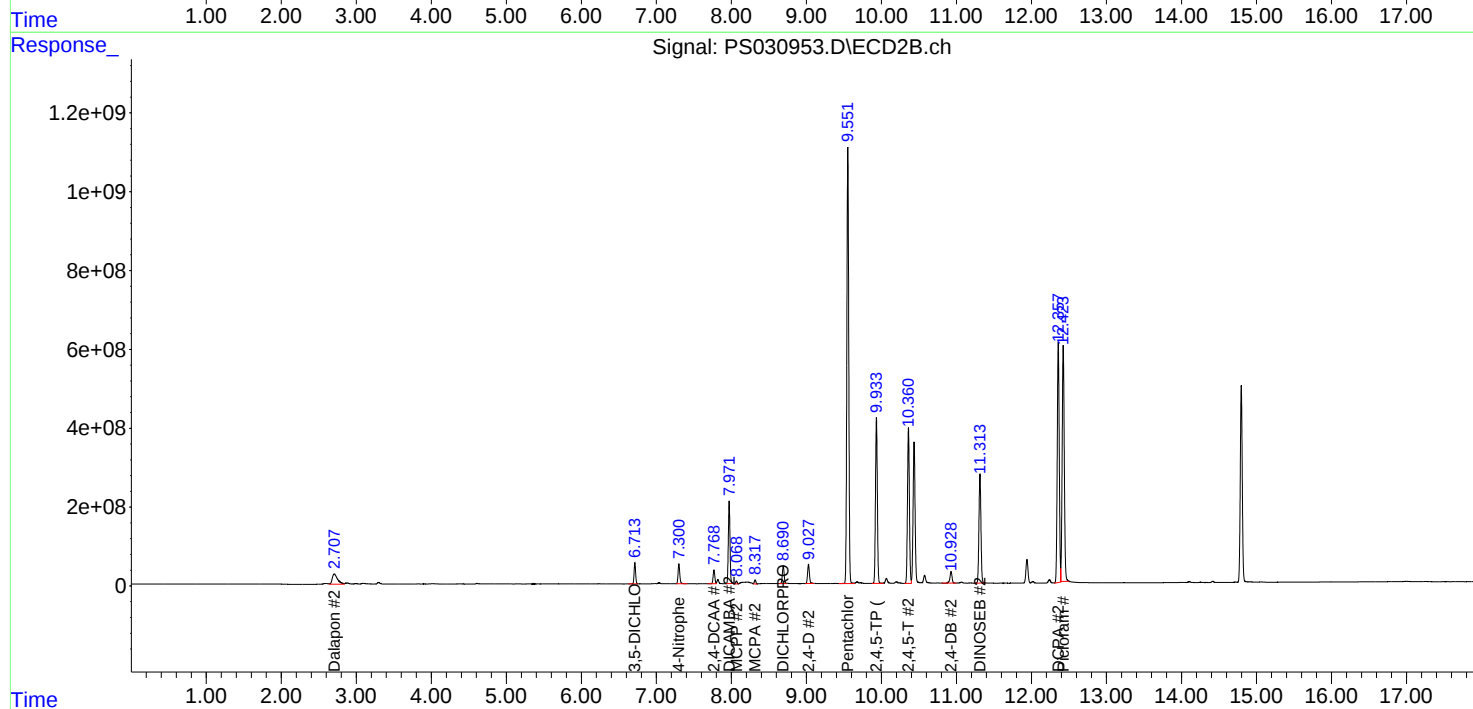
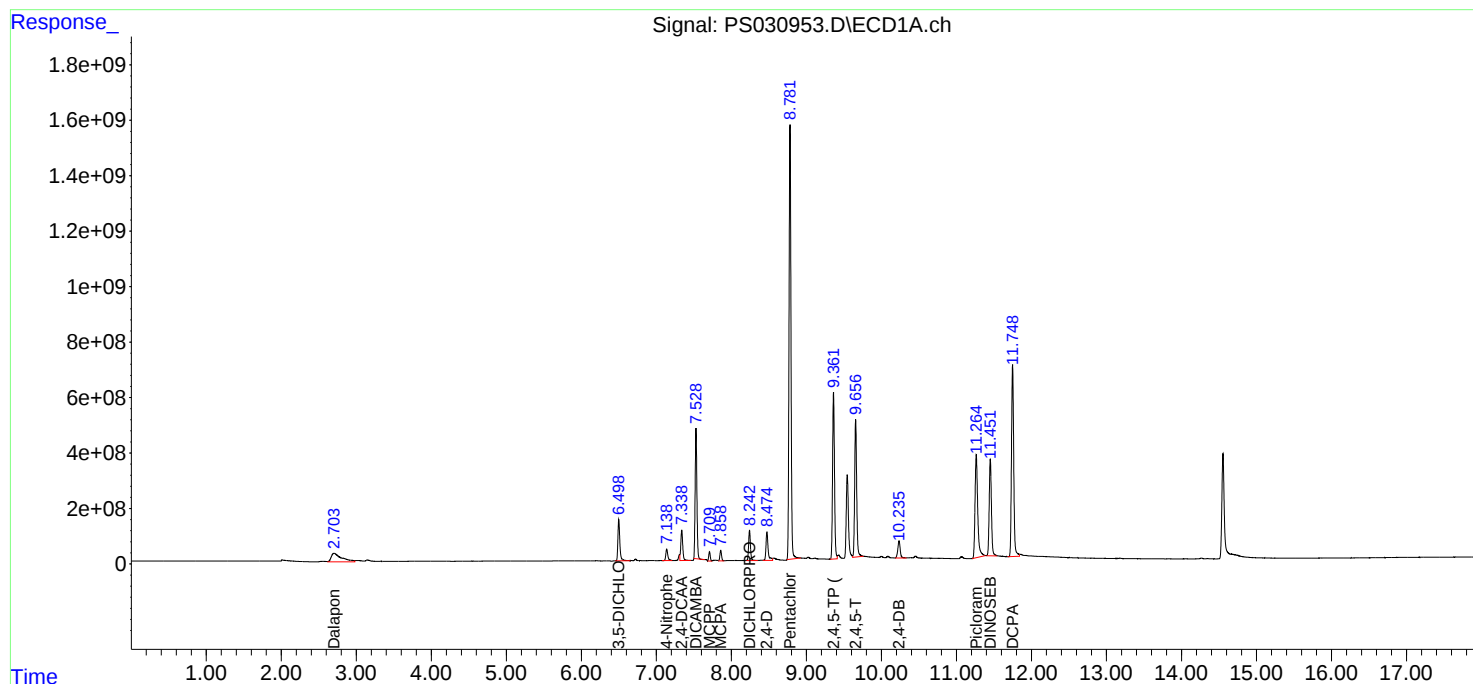
Instrument :
ECD_S
ClientSampleId :
PB168717BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/09/2025
Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:37:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76MS	SDG No.:	Q2458
Lab Sample ID:	Q2458-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030949.D	1	07/02/25 11:30	07/08/25 13:07	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	86.9		8.50	73.7	ug/Kg
120-36-5	DICHLORPROP	103		14.1	73.7	ug/Kg
94-75-7	2,4-D	138		9.90	73.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	97.3		10.0	73.7	ug/Kg
93-76-5	2,4,5-T	99.8		9.60	73.7	ug/Kg
94-82-6	2,4-DB	97.1		26.6	73.7	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	375		10 - 141	75%	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\PS070825\
 Data File : PS030949.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 13:07
 Operator : AR\AJ
 Sample : Q2458-01MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-76MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/09/2025
 Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 01:36:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.336	7.771	1252.9E6	402.1E6	340.978	375.151
Target Compounds							
1) T	Dalapon	2.697	2.703	676.3E6	580.4E6	113.359m	211.705m#
2) T	3,5-DICHL...	6.498	6.715	1345.2E6	423.0E6	250.142	262.203m
3) T	4-Nitroph...	7.141	7.323	72758216	236.0E6	46.144	136.166 #
5) T	DICAMBA	7.527	7.972	3606.5E6	1515.6E6	237.034	231.278m
6) T	MCPD	7.705	8.070	176.2E6	53704077	18.764m	25.606m#
7) T	MCPA	7.856	8.314	255.6E6	71591385	21.793	22.758
8) T	DICHLORPROP	8.240	8.691	976.5E6	442.2E6	260.702	281.206m
9) T	2,4-D	8.472	9.028	1293.2E6	437.1E6	375.442	257.231m#
10) T	Pentachlo...	8.779	9.553	13614.7E6	9513.9E6	257.243	249.564
11) T	2,4,5-TP ...	9.360	9.934	5205.9E6	3825.9E6	259.900	265.158m
12) T	2,4,5-T	9.654	10.361	4477.3E6	3391.8E6	272.125	248.215m
13) T	2,4-DB	10.233	10.928	607.0E6	274.4E6	264.642m	231.987m
15) T	Picloram	11.259	12.424	4623.4E6	5026.6E6	287.594m	216.277
16) T	DCPA	11.743	12.359	5532.3E6	5552.7E6	215.966	251.904m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:07
Operator : AR\AJ
Sample : Q2458-01MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

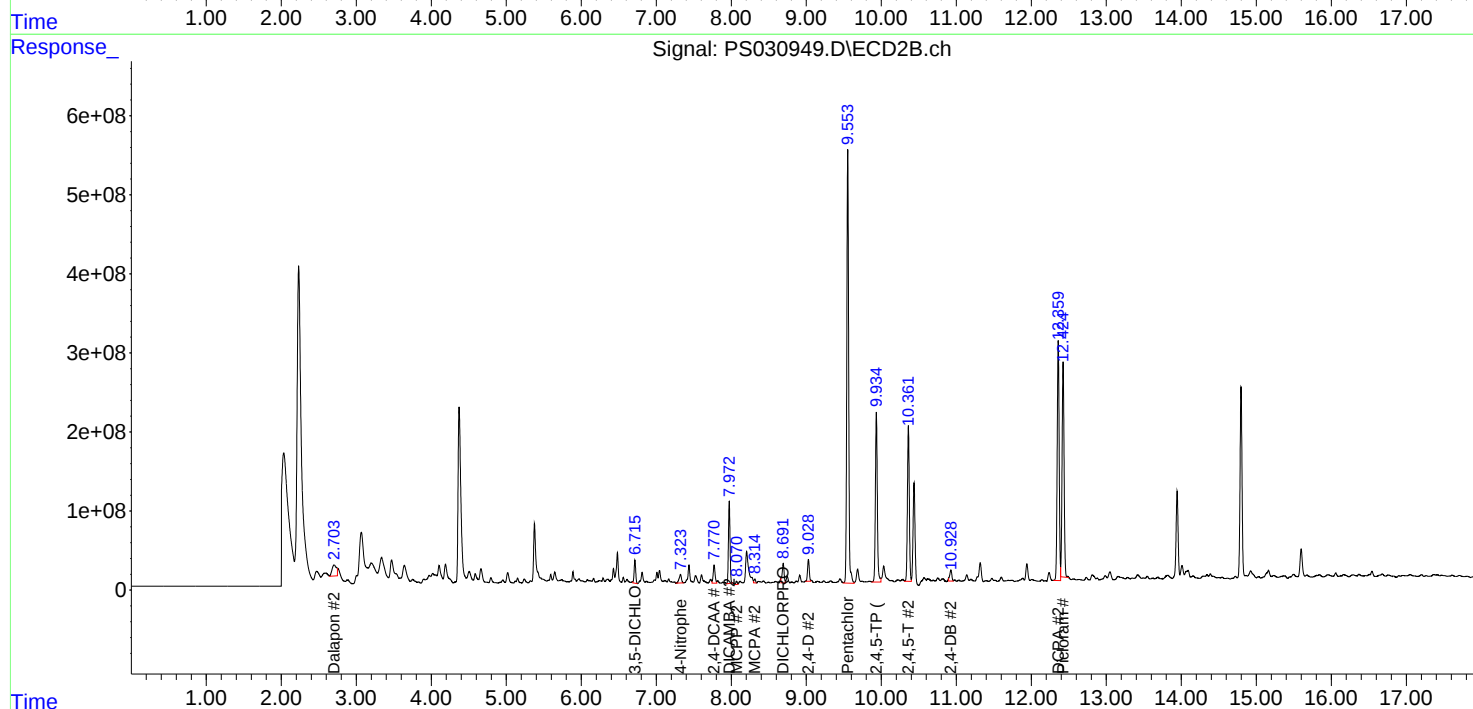
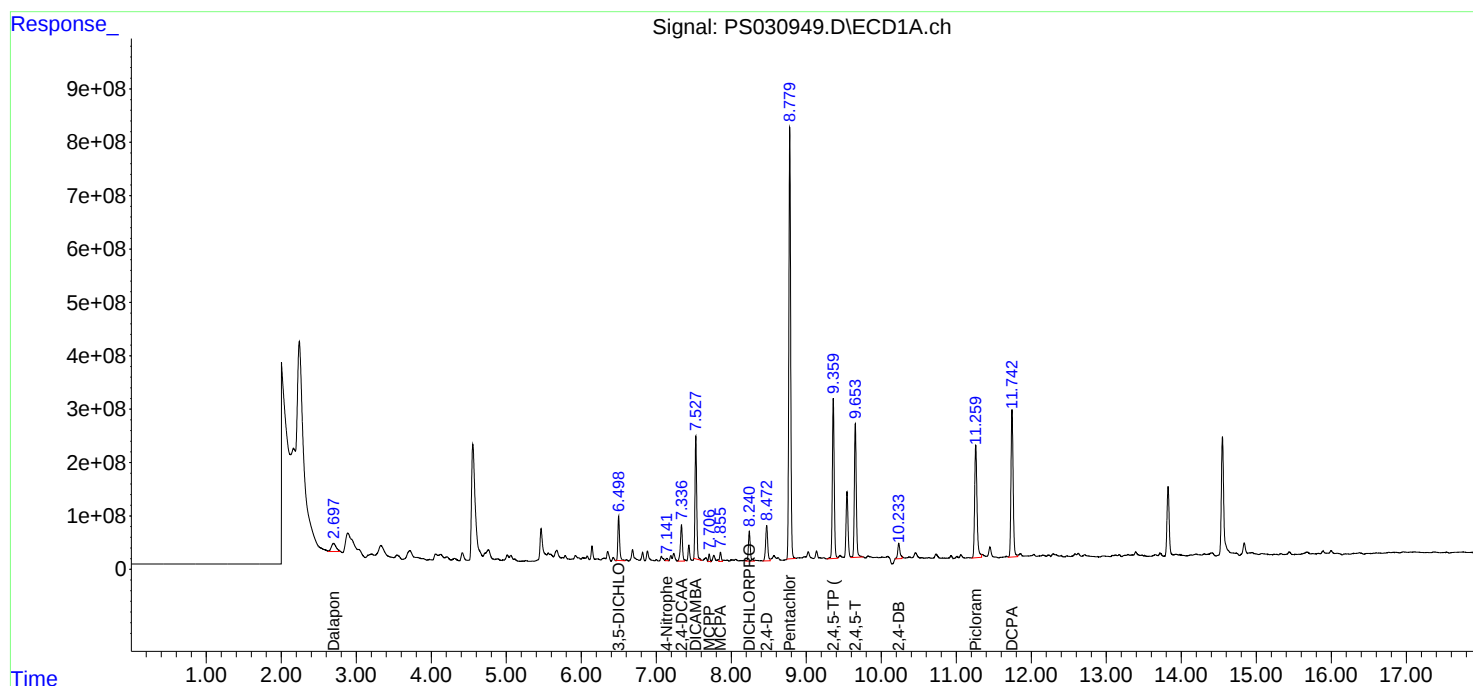
Instrument :
ECD_S
ClientSampleId :
TP-76MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/09/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:36:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	TP-76MSD	SDG No.:	Q2458
Lab Sample ID:	Q2458-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030950.D	1	07/02/25 11:30	07/08/25 13:32	PB168706

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	88.8		8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	99.3		14.1	73.8	ug/Kg
94-75-7	2,4-D	139		10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	96.8		10.0	73.8	ug/Kg
93-76-5	2,4,5-T	101		9.60	73.8	ug/Kg
94-82-6	2,4-DB	98.8		26.7	73.8	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	378		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\PS070825\
 Data File : PS030950.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Jul 2025 13:32
 Operator : AR\AJ
 Sample : Q2458-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-76MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/09/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 09 01:36:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.337	7.772	1274.8E6	404.8E6	346.952	377.643
Target Compounds							
1) T	Dalapon	2.697	2.706	595.0E6	529.0E6	99.731m	192.943m#
2) T	3,5-DICHL...	6.499	6.716	1336.7E6	429.2E6	248.580m	266.054m
3) T	4-Nitroph...	7.142	7.324	79389507	242.2E6	50.350	139.717 #
5) T	DICAMBA	7.529	7.973	3678.9E6	1539.8E6	241.793	234.969m
6) T	MCPD	7.706	8.071	180.6E6	50537179	19.235m	24.096m#
7) T	MCPA	7.857	8.316	228.9E6	71995190	19.511	22.887
8) T	DICHLORPROP	8.241	8.692	969.5E6	425.1E6	258.832	270.361m
9) T	2,4-D	8.472	9.029	1301.2E6	441.4E6	377.776	259.719m#
10) T	Pentachlo...	8.780	9.554	13643.8E6	9535.6E6	257.794	250.134
11) T	2,4,5-TP ...	9.360	9.935	5233.5E6	3803.1E6	261.278	263.580m
12) T	2,4,5-T	9.655	10.361	4526.5E6	3365.6E6	275.114	246.303m
13) T	2,4-DB	10.233	10.928	596.4E6	318.3E6	260.042m	269.076m
15) T	Picloram	11.260	12.424	4590.9E6	4975.6E6	285.575m	214.081 #
16) T	DCPA	11.744	12.359	5529.6E6	5513.1E6	215.864	250.107m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070825\
Data File : PS030950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Jul 2025 13:32
Operator : AR\AJ
Sample : Q2458-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

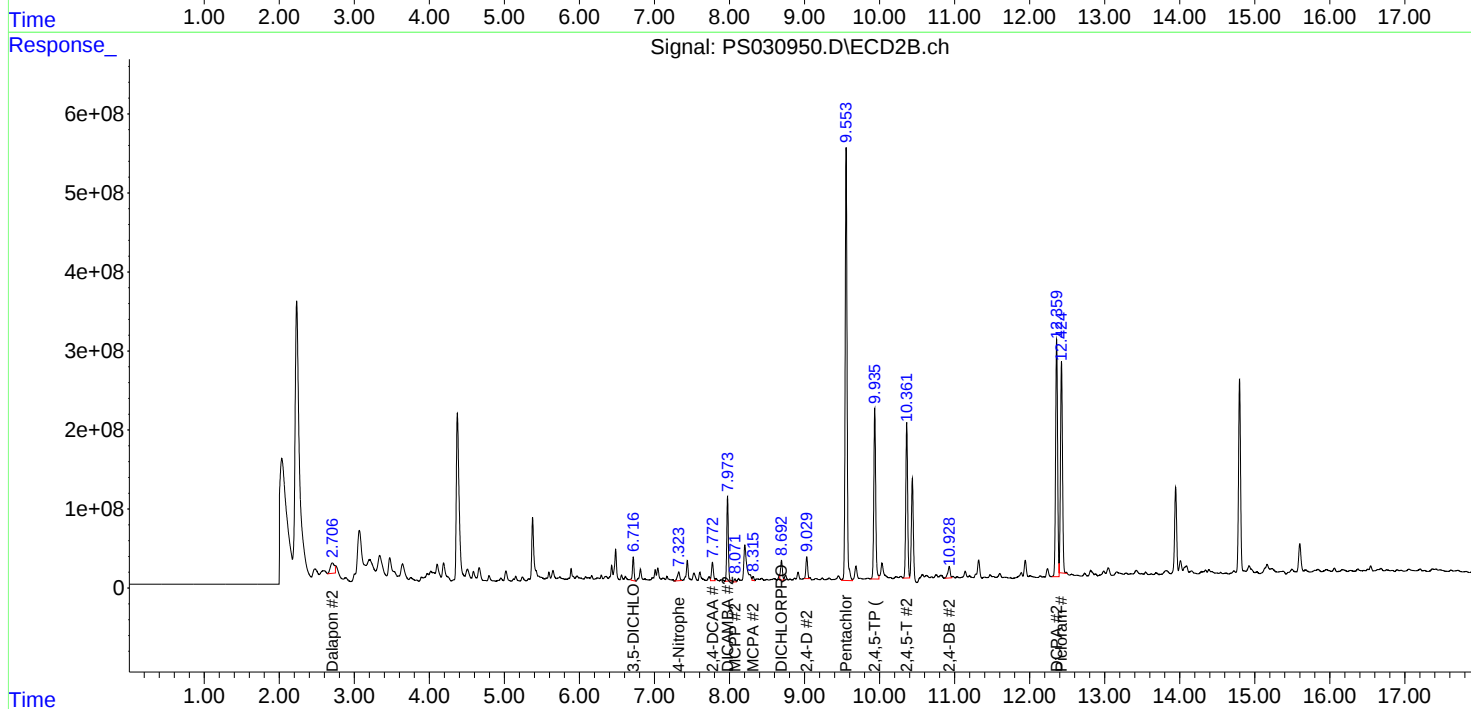
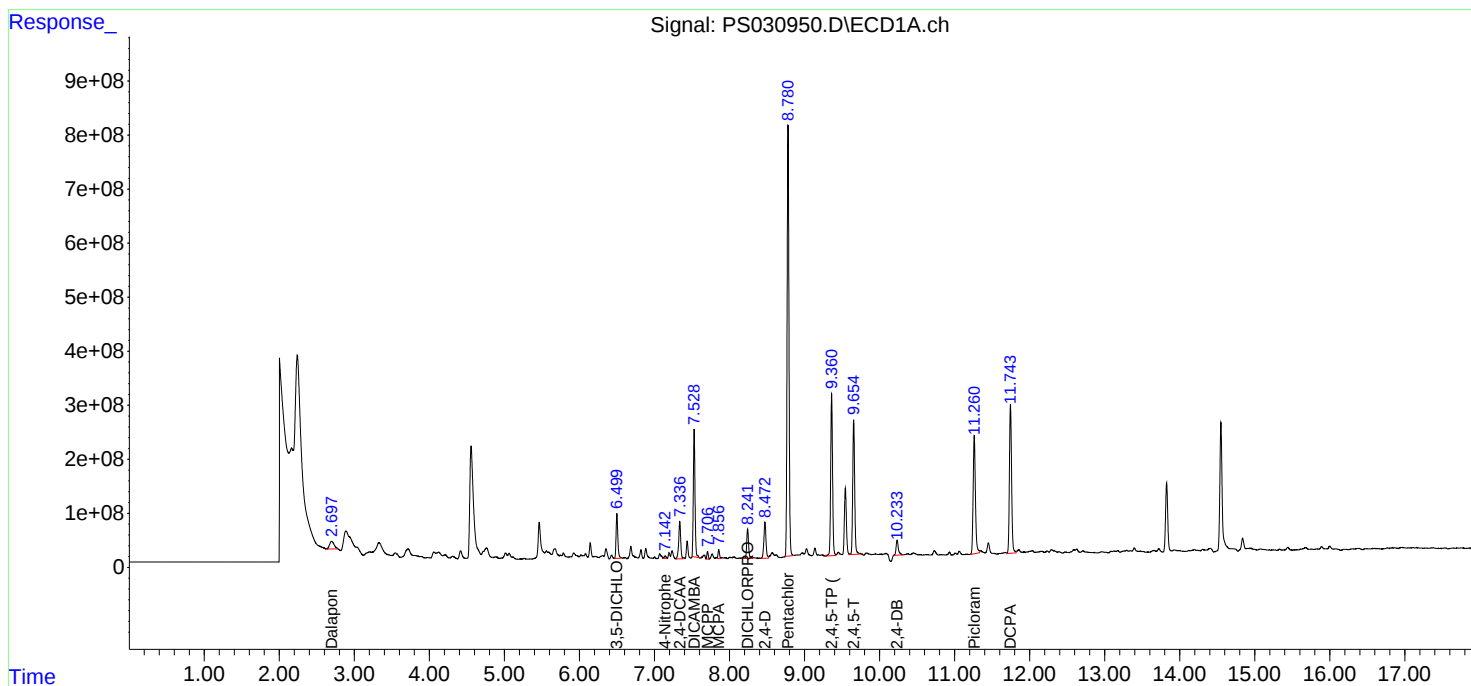
Instrument :
ECD_S
ClientSampleId :
TP-76MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/09/2025
Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 09 01:36:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

PS061825

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030739.D	Dalapon	Abdul	6/19/2025 8:24:10 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC750	PS030741.D	2,4-DCAA	Abdul	6/19/2025 8:24:14 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1000	PS030742.D	2,4-DCAA	Abdul	6/19/2025 8:24:17 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	2,4-DCAA	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	Pentachlorophenol	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICV750	PS030744.D	2,4-DCAA	Abdul	6/19/2025 8:24:26 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	2,4-DCAA	Abdul	6/20/2025 8:24:58 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	DCPA #2	Abdul	6/20/2025 8:24:58 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030750.D	2,4-D #2	Abdul	6/20/2025 8:25:02 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030750.D	DCPA #2	Abdul	6/20/2025 8:25:02 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software

Manual Integration Report

Sequence:

PS070725

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030917.D	2,4-DB	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	2,4-DCAA	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	D CPA #2	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	DICAMBA	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	DINOSEB	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	MCPP	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030917.D	Picloram	Abdul	7/8/2025 4:21:48 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-02	PS030918.D	2,4-DCAA	Abdul	7/8/2025 4:21:52 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-02	PS030918.D	2,4-DCAA #2	Abdul	7/8/2025 4:21:52 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-05	PS030921.D	2,4-DCAA #2	Abdul	7/8/2025 4:21:56 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-06	PS030922.D	2,4-DCAA #2	Abdul	7/8/2025 4:21:59 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-08	PS030924.D	2,4-DCAA	Abdul	7/8/2025 4:22:02 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
Q2458-09	PS030925.D	2,4-DCAA #2	Abdul	7/8/2025 4:22:09 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070725	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030928.D	2,4-DCAA	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030928.D	DCPA #2	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030928.D	DICAMBA	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030928.D	DINOSEB	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030928.D	MCPPP	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030928.D	Picloram	Abdul	7/8/2025 4:22:12 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	2,4-DB	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	2,4-DCAA	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	DCPA #2	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	DICAMBA	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	DINOSEB	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	MCPPP	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030932.D	Picloram	Abdul	7/8/2025 4:22:21 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software

Manual Integration Report

Sequence:

PS070725

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030941.D	2,4-DB	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	2,4-DCAA	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	DCPA #2	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	DICAMBA	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	DINOSEB	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	MCPD	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software
HSTDCCC750	PS030941.D	Picloram	Abdul	7/8/2025 4:23:39 PM	mohammad	7/10/2025 2:03:24	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030944.D	2,4-DB	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PSTDCCC750	PS030944.D	2,4-DCAA	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PSTDCCC750	PS030944.D	DICAMBA	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PSTDCCC750	PS030944.D	DINOSEB	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PSTDCCC750	PS030944.D	MCPD	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PSTDCCC750	PS030944.D	Picloram	Abdul	7/9/2025 8:55:28 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	2,4,5-T #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	2,4,5-TP (SILVEX) #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	2,4-D #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	2,4-DB	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	2,4-DB #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	Dalapon	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2458-01MS	PS030949.D	Dalapon #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	DCPA #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	DICAMBA #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	DICHLORPROP #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	MCPP	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	MCPP #2	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MS	PS030949.D	Picloram	Abdul	7/9/2025 8:55:43 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	2,4,5-T #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	2,4,5-TP (SILVEX) #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	2,4-D #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	2,4-DB	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	2,4-DB #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	3,5-DICHLOROBENZOI C ACID	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2458-01MSD	PS030950.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	Dalapon	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	Dalapon #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	DCPA #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	DICAMBA #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	DICHLORPROP #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	MCPD	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	MCPD #2	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
Q2458-01MSD	PS030950.D	Picloram	Abdul	7/9/2025 8:55:47 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BS	PS030952.D	2,4-DCAA	Abdul	7/9/2025 8:55:52 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BS	PS030952.D	DICAMBA	Abdul	7/9/2025 8:55:52 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BS	PS030952.D	DINOSEB	Abdul	7/9/2025 8:55:52 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BS	PS030952.D	MCPD	Abdul	7/9/2025 8:55:52 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software

Manual Integration Report

Sequence:

PS070825

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168717BS	PS030952.D	Picloram	Abdul	7/9/2025 8:55:52 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BSD	PS030953.D	2,4-D #2	Abdul	7/9/2025 8:55:55 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BSD	PS030953.D	DCPA #2	Abdul	7/9/2025 8:55:55 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BSD	PS030953.D	DINOSEB	Abdul	7/9/2025 8:55:55 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BSD	PS030953.D	MCPD	Abdul	7/9/2025 8:55:55 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
PB168717BSD	PS030953.D	Picloram	Abdul	7/9/2025 8:55:55 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	2,4-D #2	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	2,4-DB	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	2,4-DB #2	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	DCPA	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	DICAMBA	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	DINOSEB	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software
HSTDCCC750	PS030956.D	MCPD	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software



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

Manual Integration Report

Sequence:	PS070825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030956.D	Picloram	Abdul	7/9/2025 8:56:00 AM	mohammad	7/10/2025 2:04:22	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030959.D	2,4-D	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	2,4-D #2	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	2,4-DB	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	2,4-DCAA	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	2,4-DCAA #2	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	DICAMBA	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	DINOSEB	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	MCPP	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030959.D	Picloram	Abdul	7/10/2025 8:19:23 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PB168706BS	PS030965.D	2,4-DB #2	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PB168706BS	PS030965.D	DCPA	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PB168706BS	PS030965.D	DICAMBA	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PB168706BS	PS030965.D	DINOSEB	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168706BS	PS030965.D	MCPD	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PB168706BS	PS030965.D	Picloram	Abdul	7/10/2025 8:21:52 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	2,4-D #2	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	2,4-DCAA #2	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	DICAMBA	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	DICHLORPROP #2	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	DINOSEB	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	DINOSEB #2	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	MCPD	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030967.D	Picloram	Abdul	7/10/2025 8:21:55 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	2,4-D #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	2,4-DB #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software

Manual Integration Report

Sequence:	PS070925	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030977.D	4-Nitrophenol	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	Dalapon	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	Dalapon #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	DCEPA #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	DICAMBA	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	DINOSEB	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	DINOSEB #2	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	MCPD	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	Pentachlorophenol	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software
PSTDCCC750	PS030977.D	Picloram	Abdul	7/10/2025 8:22:08 AM	mohammad	7/11/2025 1:36:44	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS061825

Review By	Abdul	Review On	6/19/2025 8:25:06 AM
Supervise By	mohammad	Supervise On	6/20/2025 8:27:44 AM
SubDirectory	PS061825	HP Acquire Method	HP Processing Method PS061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030737.D	18 Jun 2025 10:37	AR\AJ	Ok
2	I.BLK	PS030738.D	18 Jun 2025 11:01	AR\AJ	Ok
3	HSTDICC200	PS030739.D	18 Jun 2025 11:25	AR\AJ	Ok,M
4	HSTDICC500	PS030740.D	18 Jun 2025 11:49	AR\AJ	Ok
5	HSTDICC750	PS030741.D	18 Jun 2025 12:13	AR\AJ	Ok,M
6	HSTDICC1000	PS030742.D	18 Jun 2025 12:37	AR\AJ	Ok,M
7	HSTDICC1500	PS030743.D	18 Jun 2025 13:29	AR\AJ	Ok,M
8	HSTDICV750	PS030744.D	18 Jun 2025 14:18	AR\AJ	Ok,M
9	I.BLK	PS030745.D	18 Jun 2025 14:44	AR\AJ	Ok
10	HSTDCCC750	PS030746.D	18 Jun 2025 15:08	AR\AJ	Ok,M
11	Q2312-01MS	PS030747.D	18 Jun 2025 17:07	AR\AJ	Ok,M
12	Q2312-01MSD	PS030748.D	18 Jun 2025 17:31	AR\AJ	Ok,M
13	I.BLK	PS030749.D	18 Jun 2025 17:55	AR\AJ	Ok
14	HSTDCCC750	PS030750.D	18 Jun 2025 18:19	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070725

Review By	Abdul	Review On	7/8/2025 4:24:01 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:24 AM
SubDirectory	PS070725	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030915.D	07 Jul 2025 09:13	AR\AJ	Ok
2	I.BLK	PS030916.D	07 Jul 2025 09:37	AR\AJ	Ok
3	HSTDCCC750	PS030917.D	07 Jul 2025 10:01	AR\AJ	Ok,M
4	Q2458-02	PS030918.D	07 Jul 2025 10:37	AR\AJ	Ok,M
5	Q2458-03	PS030919.D	07 Jul 2025 11:01	AR\AJ	Ok
6	Q2458-04	PS030920.D	07 Jul 2025 11:26	AR\AJ	Ok
7	Q2458-05	PS030921.D	07 Jul 2025 11:50	AR\AJ	Ok,M
8	Q2458-06	PS030922.D	07 Jul 2025 12:14	AR\AJ	Ok,M
9	Q2458-07	PS030923.D	07 Jul 2025 12:38	AR\AJ	Ok
10	Q2458-08	PS030924.D	07 Jul 2025 13:02	AR\AJ	Ok,M
11	Q2458-09	PS030925.D	07 Jul 2025 13:27	AR\AJ	Ok,M
12	Q2473-01	PS030926.D	07 Jul 2025 15:27	AR\AJ	Ok
13	I.BLK	PS030927.D	07 Jul 2025 18:47	AR\AJ	Ok
14	HSTDCCC750	PS030928.D	07 Jul 2025 19:11	AR\AJ	Ok,M
15	Q2473-02	PS030929.D	07 Jul 2025 19:59	AR\AJ	Ok
16	Q2473-03	PS030930.D	07 Jul 2025 20:24	AR\AJ	Ok,M
17	I.BLK	PS030931.D	07 Jul 2025 20:48	AR\AJ	Ok
18	HSTDCCC750	PS030932.D	07 Jul 2025 21:36	AR\AJ	Ok,M
19	Q2473-04	PS030933.D	07 Jul 2025 22:00	AR\AJ	Ok
20	Q2484-01	PS030934.D	07 Jul 2025 22:25	AR\AJ	Ok,M
21	Q2484-02	PS030935.D	07 Jul 2025 22:49	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070725

Review By	Abdul	Review On	7/8/2025 4:24:01 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:24 AM
SubDirectory	PS070725	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2484-03	PS030936.D	07 Jul 2025 23:13	AR\AJ	Not Ok
23	Q2484-04	PS030937.D	07 Jul 2025 23:37	AR\AJ	Ok
24	Q2484-05	PS030938.D	08 Jul 2025 00:01	AR\AJ	Ok
25	Q2484-06	PS030939.D	08 Jul 2025 00:25	AR\AJ	Ok,M
26	I.BLK	PS030940.D	08 Jul 2025 00:50	AR\AJ	Ok
27	HSTDCCC750	PS030941.D	08 Jul 2025 01:38	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070825

Review By	Abdul	Review On	7/9/2025 8:56:21 AM
Supervise By	mohammad	Supervise On	7/10/2025 2:04:22 AM
SubDirectory	PS070825	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030942.D	08 Jul 2025 08:13	AR\AJ	Ok
2	I.BLK	PS030943.D	08 Jul 2025 08:37	AR\AJ	Ok
3	PSTDCCC750	PS030944.D	08 Jul 2025 09:27	AR\AJ	Ok,M
4	Q2478-01	PS030945.D	08 Jul 2025 09:51	AR\AJ	Ok,M
5	Q2458-01	PS030946.D	08 Jul 2025 11:55	AR\AJ	Ok
6	PB168706BL	PS030947.D	08 Jul 2025 12:19	AR\AJ	Ok
7	PB168706BS	PS030948.D	08 Jul 2025 12:43	AR\AJ	Not Ok
8	Q2458-01MS	PS030949.D	08 Jul 2025 13:07	AR\AJ	Ok,M
9	Q2458-01MSD	PS030950.D	08 Jul 2025 13:32	AR\AJ	Ok,M
10	PB168717BL	PS030951.D	08 Jul 2025 13:56	AR\AJ	Ok
11	PB168717BS	PS030952.D	08 Jul 2025 14:20	AR\AJ	Ok,M
12	PB168717BSD	PS030953.D	08 Jul 2025 14:52	AR\AJ	Ok,M
13	Q2458-10	PS030954.D	08 Jul 2025 15:16	AR\AJ	Ok
14	I.BLK	PS030955.D	08 Jul 2025 15:41	AR\AJ	Ok
15	HSTDCCC750	PS030956.D	08 Jul 2025 16:05	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070925

Review By	Abdul	Review On	7/10/2025 8:22:37 AM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:44 AM
SubDirectory	PS070925	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030957.D	09 Jul 2025 09:08	AR\AJ	Ok
2	I.BLK	PS030958.D	09 Jul 2025 09:32	AR\AJ	Ok
3	PSTDCCC750	PS030959.D	09 Jul 2025 11:36	AR\AJ	Ok,M
4	Q2493-01	PS030960.D	09 Jul 2025 12:00	AR\AJ	Ok
5	Q2493-01MS	PS030961.D	09 Jul 2025 12:24	AR\AJ	Not Ok
6	Q2493-01MSD	PS030962.D	09 Jul 2025 12:48	AR\AJ	Not Ok
7	PB168753BL	PS030963.D	09 Jul 2025 13:12	AR\AJ	Ok
8	PB168753BS	PS030964.D	09 Jul 2025 13:36	AR\AJ	Ok,M
9	PB168706BS	PS030965.D	09 Jul 2025 14:04	AR\AJ	Ok,M
10	I.BLK	PS030966.D	09 Jul 2025 14:28	AR\AJ	Ok
11	PSTDCCC750	PS030967.D	09 Jul 2025 14:52	AR\AJ	Ok,M
12	Q2487-09	PS030968.D	09 Jul 2025 15:17	AR\AJ	ReRun
13	Q2487-10	PS030969.D	09 Jul 2025 15:41	AR\AJ	Ok
14	Q2487-11	PS030970.D	09 Jul 2025 16:05	AR\AJ	ReRun
15	Q2487-12	PS030971.D	09 Jul 2025 16:29	AR\AJ	Ok,M
16	Q2487-13	PS030972.D	09 Jul 2025 16:53	AR\AJ	Ok
17	Q2487-14	PS030973.D	09 Jul 2025 17:17	AR\AJ	Not Ok
18	Q2487-15	PS030974.D	09 Jul 2025 17:42	AR\AJ	Not Ok
19	Q2487-16	PS030975.D	09 Jul 2025 18:06	AR\AJ	Not Ok
20	I.BLK	PS030976.D	09 Jul 2025 18:30	AR\AJ	Ok
21	PSTDCCC750	PS030977.D	10 Jul 2025 02:37	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS061825

Review By	Abdul	Review On	6/19/2025 8:25:06 AM
Supervise By	mohammad	Supervise On	6/20/2025 8:27:44 AM
SubDirectory	PS061825	HP Acquire Method	HP Processing Method PS061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030737.D	18 Jun 2025 10:37		AR\AJ	Ok
2	I.BLK	I.BLK	PS030738.D	18 Jun 2025 11:01		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030739.D	18 Jun 2025 11:25		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030740.D	18 Jun 2025 11:49		AR\AJ	Ok
5	HSTDICC750	HSTDICC750	PS030741.D	18 Jun 2025 12:13		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030742.D	18 Jun 2025 12:37		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030743.D	18 Jun 2025 13:29		AR\AJ	Ok,M
8	HSTDICV750	ICVPS061825	PS030744.D	18 Jun 2025 14:18		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030745.D	18 Jun 2025 14:44		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030746.D	18 Jun 2025 15:08		AR\AJ	Ok,M
11	Q2312-01MS	TP-1MS	PS030747.D	18 Jun 2025 17:07	some compounds fail for recovery	AR\AJ	Ok,M
12	Q2312-01MSD	TP-1MSD	PS030748.D	18 Jun 2025 17:31	some compounds fail for recovery & RPD	AR\AJ	Ok,M
13	I.BLK	I.BLK	PS030749.D	18 Jun 2025 17:55		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS030750.D	18 Jun 2025 18:19		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070725

Review By	Abdul	Review On	7/8/2025 4:24:01 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:24 AM
SubDirectory	PS070725	HP Acquire Method	HP Processing Method ps061825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030915.D	07 Jul 2025 09:13		AR\AJ	Ok
2	I.BLK	I.BLK	PS030916.D	07 Jul 2025 09:37		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030917.D	07 Jul 2025 10:01		AR\AJ	Ok,M
4	Q2458-02	TP-55	PS030918.D	07 Jul 2025 10:37		AR\AJ	Ok,M
5	Q2458-03	TP-68	PS030919.D	07 Jul 2025 11:01		AR\AJ	Ok
6	Q2458-04	TP-67	PS030920.D	07 Jul 2025 11:26		AR\AJ	Ok
7	Q2458-05	TP-66	PS030921.D	07 Jul 2025 11:50		AR\AJ	Ok,M
8	Q2458-06	TP-60	PS030922.D	07 Jul 2025 12:14		AR\AJ	Ok,M
9	Q2458-07	TP-62	PS030923.D	07 Jul 2025 12:38		AR\AJ	Ok
10	Q2458-08	TP-63	PS030924.D	07 Jul 2025 13:02		AR\AJ	Ok,M
11	Q2458-09	TP-59	PS030925.D	07 Jul 2025 13:27		AR\AJ	Ok,M
12	Q2473-01	PIT#1	PS030926.D	07 Jul 2025 15:27		AR\AJ	Ok
13	I.BLK	I.BLK	PS030927.D	07 Jul 2025 18:47		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS030928.D	07 Jul 2025 19:11		AR\AJ	Ok,M
15	Q2473-02	PIT#2	PS030929.D	07 Jul 2025 19:59		AR\AJ	Ok
16	Q2473-03	PIT#3	PS030930.D	07 Jul 2025 20:24		AR\AJ	Ok,M
17	I.BLK	I.BLK	PS030931.D	07 Jul 2025 20:48		AR\AJ	Ok
18	HSTDCCC750	HSTDCCC750	PS030932.D	07 Jul 2025 21:36		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070725

Review By	Abdul	Review On	7/8/2025 4:24:01 PM
Supervise By	mohammad	Supervise On	7/10/2025 2:03:24 AM
SubDirectory	PS070725	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM	PP24562		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2473-04	PIT#4	PS030933.D	07 Jul 2025 22:00		AR\AJ	Ok
20	Q2484-01	TP-58	PS030934.D	07 Jul 2025 22:25		AR\AJ	Ok,M
21	Q2484-02	TP-57	PS030935.D	07 Jul 2025 22:49		AR\AJ	Ok,M
22	Q2484-03	TP-64	PS030936.D	07 Jul 2025 23:13	Surr low in both column	AR\AJ	Not Ok
23	Q2484-04	TP-107	PS030937.D	07 Jul 2025 23:37		AR\AJ	Ok
24	Q2484-05	TP-106	PS030938.D	08 Jul 2025 00:01		AR\AJ	Ok
25	Q2484-06	TP-104	PS030939.D	08 Jul 2025 00:25		AR\AJ	Ok,M
26	I.BLK	I.BLK	PS030940.D	08 Jul 2025 00:50		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS030941.D	08 Jul 2025 01:38		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070825

Review By	Abdul	Review On	7/9/2025 8:56:21 AM
Supervise By	mohammad	Supervise On	7/10/2025 2:04:22 AM
SubDirectory	PS070825	HP Acquire Method	HP Processing Method ps061825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030942.D	08 Jul 2025 08:13		AR\AJ	Ok
2	I.BLK	I.BLK	PS030943.D	08 Jul 2025 08:37		AR\AJ	Ok
3	PSTDCCC750	PSTDCCC750	PS030944.D	08 Jul 2025 09:27		AR\AJ	Ok,M
4	Q2478-01	WC-1	PS030945.D	08 Jul 2025 09:51		AR\AJ	Ok,M
5	Q2458-01	TP-76	PS030946.D	08 Jul 2025 11:55		AR\AJ	Ok
6	PB168706BL	PB168706BL	PS030947.D	08 Jul 2025 12:19		AR\AJ	Ok
7	PB168706BS	PB168706BS	PS030948.D	08 Jul 2025 12:43	F Flag in comp#14,16 in 1st column	AR\AJ	Not Ok
8	Q2458-01MS	TP-76MS	PS030949.D	08 Jul 2025 13:07	some compound recovery fail	AR\AJ	Ok,M
9	Q2458-01MSD	TP-76MSD	PS030950.D	08 Jul 2025 13:32	some compound recovery fail	AR\AJ	Ok,M
10	PB168717BL	PB168717BL	PS030951.D	08 Jul 2025 13:56		AR\AJ	Ok
11	PB168717BS	PB168717BS	PS030952.D	08 Jul 2025 14:20		AR\AJ	Ok,M
12	PB168717BSD	PB168717BSD	PS030953.D	08 Jul 2025 14:52		AR\AJ	Ok,M
13	Q2458-10	FB-06272025	PS030954.D	08 Jul 2025 15:16		AR\AJ	Ok
14	I.BLK	I.BLK	PS030955.D	08 Jul 2025 15:41		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030956.D	08 Jul 2025 16:05		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070925

Review By	Abdul	Review On	7/10/2025 8:22:37 AM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:44 AM
SubDirectory	PS070925	HP Acquire Method	HP Processing Method ps061825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC	PP24559
Internal Standard/PEM	
ICV/I.BLK	PP24562
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS030957.D	09 Jul 2025 09:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS030958.D	09 Jul 2025 09:32		AR\AJ	Ok
3	PSTDCCC750	PSTDCCC750	PS030959.D	09 Jul 2025 11:36		AR\AJ	Ok,M
4	Q2493-01	WC-11	PS030960.D	09 Jul 2025 12:00		AR\AJ	Ok
5	Q2493-01MS	WC-11MS	PS030961.D	09 Jul 2025 12:24	F Flag in comp#1,9, comp # 14 not detected	AR\AJ	Not Ok
6	Q2493-01MSD	WC-11MSD	PS030962.D	09 Jul 2025 12:48	F Flag in comp#1,9, comp # 14 not detected	AR\AJ	Not Ok
7	PB168753BL	PB168753BL	PS030963.D	09 Jul 2025 13:12		AR\AJ	Ok
8	PB168753BS	PB168753BS	PS030964.D	09 Jul 2025 13:36		AR\AJ	Ok,M
9	PB168706BS	PB168706BS	PS030965.D	09 Jul 2025 14:04		AR\AJ	Ok,M
10	I.BLK	I.BLK	PS030966.D	09 Jul 2025 14:28		AR\AJ	Ok
11	PSTDCCC750	PSTDCCC750	PS030967.D	09 Jul 2025 14:52		AR\AJ	Ok,M
12	Q2487-09	G4(0-6)	PS030968.D	09 Jul 2025 15:17	Surrogate low in 1st column	AR\AJ	ReRun
13	Q2487-10	G4(6-12)	PS030969.D	09 Jul 2025 15:41		AR\AJ	Ok
14	Q2487-11	G3(0-6)	PS030970.D	09 Jul 2025 16:05	Surrogate low in 1st column	AR\AJ	ReRun
15	Q2487-12	G3(6-12)	PS030971.D	09 Jul 2025 16:29		AR\AJ	Ok,M
16	Q2487-13	G2(0-6)	PS030972.D	09 Jul 2025 16:53		AR\AJ	Ok
17	Q2487-14	G2(6-12)	PS030973.D	09 Jul 2025 17:17	surrogate fail in both column	AR\AJ	Not Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070925

Review By	Abdul	Review On	7/10/2025 8:22:37 AM
Supervise By	mohammad	Supervise On	7/11/2025 1:36:44 AM
SubDirectory	PS070925	HP Acquire Method	HP Processing Method ps061825 8151

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560
CCC Internal Standard/PEM	PP24559
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562

18	Q2487-15	G1(0-6)	PS030974.D	09 Jul 2025 17:42	Surrogate low in both column	AR\AJ	Not Ok
19	Q2487-16	G1(6-12)	PS030975.D	09 Jul 2025 18:06	Surrogate low in both column F flag in surrogate in 2nd column , no proper surrogate hit	AR\AJ	Not Ok
20	I.BLK	I.BLK	PS030976.D	09 Jul 2025 18:30		AR\AJ	Ok
21	PSTDCCC750	PSTDCCC750	PS030977.D	10 Jul 2025 02:37		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136327

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
Q2451-01	Y2310-0409-1-1	1	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-02	Y2310-0409-1-2	2	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-03	Y2307-0279-1-1	3	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-04	Y2307-0279-1-2	4	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-05	KQA080Z-1-1	5	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-06	KQA080Z-1-2	6	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-07	HIA-925Q-1-1	7	1.00	1.00	2.00	2.00	100.0	PILC
Q2451-08	HIA-925Q-1-2	8	1.00	1.00	2.00	2.00	100.0	PILC
Q2458-01	TP-76	9	1.15	10.84	11.99	10.97	90.6	
Q2458-02	TP-55	10	1.18	10.49	11.67	10.77	91.4	
Q2458-03	TP-68	11	1.18	10.68	11.86	11.04	92.3	
Q2458-04	TP-67	12	1.19	10.16	11.35	10.3	89.7	
Q2458-05	TP-66	13	1.19	10.18	11.37	10.18	88.3	
Q2458-06	TP-60	14	1.15	10.83	11.98	11.17	92.5	
Q2458-07	TP-62	15	1.15	10.84	11.99	11.02	91.1	
Q2458-08	TP-63	16	1.19	10.82	12.01	10.54	86.4	
Q2458-09	TP-59	17	1.15	10.70	11.85	9.35	76.6	
Q2459-01	TP-1	18	1.19	10.74	11.93	10.66	88.2	
Q2459-02	TP-1-EPH	19	1.15	10.88	12.03	10.8	88.7	
Q2459-03	TP-1-VOC	20	1.16	10.83	11.99	10.9	89.9	
Q2459-04	TP-1	21	1.19	10.74	11.93	10.66	88.2	
Q2462-02	60425-A	22	1.15	10.31	11.46	9.96	85.5	
Q2462-03	60425-B	23	1.14	10.66	11.8	7.91	63.5	
Q2462-04	60425-AB	24	1.19	10.57	11.76	9.66	80.1	
Q2462-05	50725	25	1.00	1.00	2.00	2.00	100.0	debris
Q2462-06	61625-A	26	1.12	10.70	11.82	9.5	78.3	
Q2462-07	61625-B	27	1.18	10.37	11.55	8.29	68.6	
Q2462-08	61625-C	28	1.19	10.65	11.84	9.11	74.4	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/1/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 06/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:22
Out Date: 07/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136327

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
Q2462-09	61625-ABC	29	1.19	10.56	11.75	9.26	76.4	
Q2462-10	62725	30	1.00	1.00	2.00	2.00	100.0	debris
Q2464-01	OR-3-063025	31	1.12	10.76	11.88	11.57	97.1	
Q2464-02	OR-3-063025-E2	32	1.18	10.50	11.68	11.3	96.4	
Q2466-01	61825	33	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2466-02	62625	34	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2467-01	1A-1B-1C-Fire Stopher Caulk-Red	35	1.00	1.00	2.00	2.00	100.0	Caulk sample
Q2469-01	WC-1	36	1.15	10.13	11.28	9.8	85.4	
Q2469-02	WC-1-EPH	37	1.19	10.36	11.55	10.14	86.4	
Q2469-03	WC-1-VOC	38	1.15	10.84	11.99	10.74	88.5	
Q2469-04	WC-1	39	1.15	10.13	11.28	9.8	85.4	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136327

WorkList Name : %1-063025

WorkList ID : 190450

Department : Wet-Chemistry

Date : 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2451-01	Y2310-0409-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-02	Y2310-0409-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-03	Y2307-0279-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-04	Y2307-0279-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-05	KQA08OZ-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-06	KQA08OZ-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-07	HIA-925Q-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2451-08	HIA-925Q-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-01	TP-76	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2458-02	TP-55	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-03	TP-68	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2458-04	TP-67	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-05	TP-66	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-06	TP-60	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-07	TP-62	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-08	TP-63	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2458-09	TP-59	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-01	TP-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/27/2025	Chemtech -SO
Q2459-02	TP-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-03	TP-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO
Q2459-04	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A51	06/28/2025	Chemtech -SO

Date/Time 06/30/25 16:00

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

Date/Time 06/30/25

Raw Sample Received by: JWC

Raw Sample Relinquished by: JWC

WORKLIST(Hardcopy Internal Chain)

130327

WorkList Name : %1-063025 WorkList ID : 190450 Department : Wet-Chemistry Date : 06-30-2025 08:06:09

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2462-02	60425-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-03	60425-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-04	60425-AB	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-05	50725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-06	61625-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-07	61625-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-08	61625-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-09	60425-ABC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2462-10	62725	Solid	Percent Solids	Cool 4 deg C	PSEG03	A12	06/30/2025	Chemtech -SO
Q2464-01	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2464-02	OR-3-063025	Solid	Percent Solids	Cool 4 deg C	PSEG05	A21	06/30/2025	Chemtech -SO
Q2466-01	61825	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2466-02	62625	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/30/2025	Chemtech -SO
Q2467-01	1A-1B-1C-Fire Stopper Caulk-R	Solid	Percent Solids	Cool 4 deg C	ATCE02	A61	06/26/2025	Chemtech -SO
Q2469-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO
Q2469-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A61	06/30/2025	Chemtech -SO

06/30/25 16:00

Date/Time
Raw Sample Received by: SP (SM)
Raw Sample Relinquished by: SP (SM)

Date/Time
Raw Sample Received by: SP (SM)
Raw Sample Relinquished by: SP (SM)

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Solid

Wegh By: EH **Extraction By:** RJ

Balance check: RJ **Filter By:** RJ

Balance ID: EX-SC-2 **pH Meter ID:** N/A

pH Strip Lot#: E3880 **Hood ID:** 3,4,5,7

Extraction Start Date : 07/02/2025

Extraction Start Time : 11:30

Extraction End Date : 07/03/2025

Extraction End Time : 11:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24654
Surrogate	1.0ML	5000 PPB	PP24653
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Acidified Na2SO4	N/A	EP2621
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3943
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3948
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3947
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH adjusted with HCL <2 for soil Extraction, PH adjusted with 1:3 H2SO4 <2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ML Vial Lot # 03-40 BTS723.

KD Bath ID: N/A **Envap ID:** NEVAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/3/25	RS (Ext Lab)	RS - PCB Lab
11:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168706BL	HBLK706	Herbicide	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168706BS	HLCS706	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q2458-01	TP-76	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2458-01MS	TP-76MS	Herbicide	30.09	N/A	ritesh	Evelyn	10	E		4
Q2458-01MS D	TP-76MSD	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		5
Q2458-02	TP-55	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2458-03	TP-68	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U2-1
Q2458-04	TP-67	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		2
Q2458-05	TP-66	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2458-06	TP-60	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2458-07	TP-62	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2458-08	TP-63	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2458-09	TP-59	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2473-01	PIT#1	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		2
Q2473-02	PIT#2	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2473-03	PIT#3	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2473-04	PIT#4	Herbicide	30.09	N/A	ritesh	Evelyn	10	E		5
Q2478-01	WC-1	Herbicide	30.06	N/A	ritesh	Evelyn	10	D		6
Q2484-01	TP-58	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U6-1
Q2484-02	TP-57	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2484-03	TP-64	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		3
Q2484-04	TP-107	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		4
Q2484-05	TP-1006	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2484-06	TP-104	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6

16706
904891
11:30

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2458H WorkList ID : 190523 Department : Extraction Date : 07-02-2025 11:20:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-01	TP-76	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2458-02	TP-55	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2458-03	TP-68	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-04	TP-67	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-05	TP-66	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-06	TP-60	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-07	TP-62	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-08	TP-63	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-09	TP-59	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2473-01	PIT#1	Solid	Herbicide	Cool 4 deg C	JPCLO1	A12	07/01/2025	8151A
Q2473-02	PIT#2	Solid	Herbicide	Cool 4 deg C	JPCLO1	A12	07/01/2025	8151A
Q2473-03	PIT#3	Solid	Herbicide	Cool 4 deg C	JPCLO1	A12	07/01/2025	8151A
Q2473-04	PIT#4	Solid	Herbicide	Cool 4 deg C	JPCLO1	A12	07/01/2025	8151A
Q2478-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	A42	07/30/2025	8151A
Q2484-01	TP-58	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A
Q2484-02	TP-57	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A
Q2484-03	TP-64	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A
Q2484-04	TP-107	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A
Q2484-05	TP-1006	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A
Q2484-06	TP-104	Solid	Herbicide	Cool 4 deg C	CAMP02	A12	07/01/2025	8151A

Date/Time 7/2/25 11:25
Raw Sample Received by: RJ (CA-Lab)
Raw Sample Relinquished by: JD (CSM)

Date/Time 7/2/25 12:05
Raw Sample Received by: JD (CSM)
Raw Sample Relinquished by: RJ (CA-Lab)

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Extraction Start Date : 07/03/2025

Matrix : Water

Extraction Start Time : 08:57

Weigh By: N/A

Extraction By: RS

Extraction End Date : 07/03/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 15:45

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3880

Hood ID: 4,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
MDL	0.2ML	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24653
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Ether	N/A	E3948
Acidified Na2SO4	N/A	EP2621
NAOH 6N	N/A	EP2606
12N H2SO4	N/A	EP2605
NACL	N/A	M4459
ISO OCTANE	N/A	E3554
Diazomethane	N/A	EP2618
Hexane	N/A	E3947
METHANOL	N/A	V14622
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted with 6N NaOH>12 prior to Hydrolysis, PH adjusted with cold 12N H2SO4<2 after Hydrolysis, Derivatization procedure is completed and samples are ready to Analyze, 40ml Vial Lot # 03-40BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

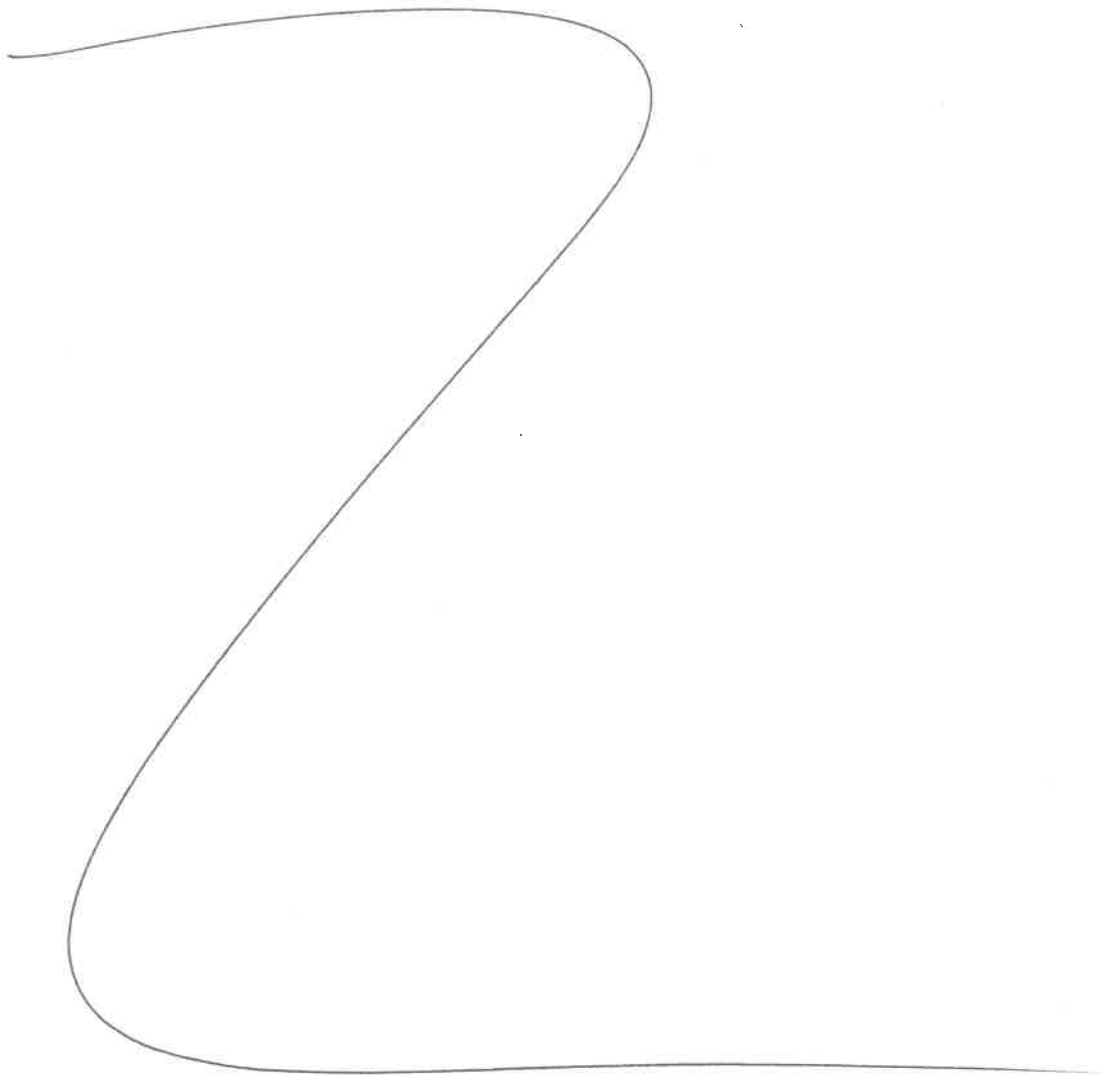
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/3/25	RS (Ext Lab)	Y-P-pestiPUB
15:50	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168717BL	HBLK717	Herbicide	1000	6	RUPESH	Evelyn	10			SEP-6
PB168717BS	HLCS717	Herbicide	1000	6	RUPESH	Evelyn	10			7
PB168717BS D	HLCSD717	Herbicide	1000	6	RUPESH	Evelyn	10			8
Q2458-10	FB-06272025	Herbicide	980	6	RUPESH	Evelyn	10	E		9



RS
7/3

1625-8
21689

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2458P WorkList ID : 190540 Department : Extraction Date : 07-03-2025 08:51:40

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2458-10	FB-06272025	Water	Herbicide	Cool 4 deg C	CAMP02	D51	06/27/2025	8151A
Q2458-10	FB-06272025	Water	Pesticide-TCL	Cool 4 deg C	CAMP02	D51	06/27/2025	8081B

Date/Time 7/3/25 8:52
Raw Sample Received by: RS (Ext 666)
Raw Sample Relinquished by: RS (Ext 666)

Date/Time 7/3/25 9:20
Raw Sample Received by: SM
Raw Sample Relinquished by: RS (Ext 666)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **CDM SMITH**
ADDRESS: **110 FIELDCREST AVE #8 6TH FLOOR**
CITY: **EDISON** STATE: **NJ** ZIP: **08837**
ATTENTION: **MARCIE ENCINAS**
PHONE: **7325904679** FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: **SOUTH RIVER WM REPLACEMENT**
PROJECT NO.: **302781** LOCATION: **SOUTH RIVER, NJ**
PROJECT MANAGER: **MARCIE ENCINAS**
e-mail: **ENCINASMA@CDMSMITH.COM**
PHONE: **7325904679** FAX:

CLIENT BILLING INFORMATION

BILL TO: **CDM SMITH** PO#: **7325904679**
ADDRESS: **110 FIELDCREST AVE #8 6TH FLOOR**
CITY: **EDISON** STATE: **NJ** ZIP: **08837**
ATTENTION: **MARCIE ENCINAS** PHONE: **7325904679**

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☒ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

TCL VOC
TCL NVOC
PCB'S
TAL METALS
PESTICIDES
HERBICIDES
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-70	S		X	6/26/25	1115	6	X	X	X	X	X	X	X			E
2.	TP-65	S		X	6/26/25	1200	6	X	X	X	X	X	X	X			E
3.	TP-68	S		X	6/27/25	0745	6	X	X	X	X	X	X	X			E
4.	TP-67	S		X	6/27/25	0805	6	X	X	X	X	X	X	X			E
5.	TP-66	S		X	6/27/25	0835	6	X	X	X	X	X	X	X			E
6.	TP-60	S		X	6/27/25	0910	6	X	X	X	X	X	X	X			E
7.	TP-62	S		X	6/27/25	1005	6	X	X	X	X	X	X	X			E
8.	TP-63	S		X	6/27/25	1055	6	X	X	X	X	X	X	X			E
9.	TP-54	S		X	6/27/25	1205	6	X	X	X	X	X	X	X			E
10.	FB-06272025	BAR		X	6/27/25	1300	9	X	X	X	X	X	X	X			E, A, B

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. <i>[Signature]</i>	6/27/25/1600	<i>[Signature]</i> 1600	Comments: _____
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <i>[Signature]</i>			
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <i>[Signature]</i>	6-27-25		

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

From: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Sent: Monday, June 30, 2025 12:44 PM
Subject: FW: sample id and sample not mentioned on COC

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Thank you for reaching out - Please see below.

Would it be possible to also have excel results emailed with results compared to the current NJDEP SRS?

Marcie

From: Deepak Parmar <Deepak.Parmar@alliancetg.com>
Sent: Monday, June 30, 2025 10:24 AM
To: Encinas, Marcie (Puskarik) <encinasma@cdmsmith.com>
Cc: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: sample id and sample not mentioned on COC

You don't often get email from deepak.parmar@alliancetg.com. [Learn why this is important](#)

Good morning,

Samples received with 6/27/2025 shipment has below discrepancies

issue 1# sample (2) TP-65 mentioned on COC, however sample received as TP-55 let us know which sample ID to use ? **TP-55 is the correct label for the samples.**

Issue2# Lab receives two TB water samples but not mentioned on COC. Lab would like to know how to proceed with analysis ? **I believe those are temperature blanks, which do not require analysis. We are only analyzing trip blanks if the same also includes aqueous samples.**

Thanks & Regards,

Deepak Parmar
QA/QC
An Alliance Technical Group Company
Main: 908-789-8900

Address: 284 Sheffield St, Ste 1,
Mountainside, NJ 07092



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2458 CAMP02

Order Date : 6/27/2025 4:22:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : Level 2 *all*

Client Contact : Marcie Ann Encinas

Receive DateTime : 6/27/2025 ~~12:00:00 AM~~ *10:55 PM* *all*

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

Hard Copy Date :

Invoice Contact : Marcie Ann Encinas

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2458-01	TP-76	Solid	06/26/2025	11:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-02	TP- 65 <i>55 all</i>	Solid	06/26/2025	12:00					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-03	TP-68	Solid	06/27/2025	07: <i>45</i>					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-04	TP-67	Solid	06/27/2025	08:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-05	TP-66	Solid	06/27/2025	08:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-06	TP-60	Solid	06/27/2025	09:10					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-07	TP-62	Solid	06/27/2025	10:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-08	TP-63	Solid	06/27/2025	10:55					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2458	CAMP02	Order Date : 6/27/2025 4:22:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2 <i>add</i>
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/27/2025 12:00:00 AM <i>16:55 PM</i>	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2458-09	TP-59	Solid	06/27/2025	12:05	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2458-10	FB-06272025	Water	06/27/2025	13:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260-Low	10 Bus. Days	

Relinquished By : *[Signature]*

Date / Time : 6/30/25 0900

Received By : *[Signature]*

Date / Time : 6/30/25 9:00

Storage Area : VOA Refridgerator Room

SAMPLES RECEIVED ON 6/27/25 @ 1655
SAMPLES PLACED IN SM-REF-2

Ref #6
#2-2
Ref #4