

Cover Page

Order ID : Q2436

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2436-01
Q2436-02
Q2436-03
Q2436-04
Q2436-05
Q2436-06
Q2436-07
Q2436-08
Q2436-09
Q2436-10

Client Sample Number

TP-70
TP-69
TP-85
TP-86
TP-84
TP-83
TP-87
TP-100
TP-99
TP-82

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: 7/5/2025

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 #: Q2436

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/05/2025

LAB CHRONICLE

OrderID:	Q2436	OrderDate:	6/26/2025 3:41:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2436-01	TP-70	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			Herbicide	8151A		07/01/25	07/02/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-02	TP-69	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			Herbicide	8151A		07/01/25	07/02/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-03	TP-85	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	
			Herbicide	8151A		07/01/25	07/02/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-04	TP-86	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/30/25	
			Herbicide	8151A		07/01/25	07/02/25	
			PCB	8082A		06/27/25	06/27/25	
			Pesticide-TCL	8081B		06/27/25	06/28/25	
Q2436-05	TP-84	SOIL			06/25/25			06/26/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Gasoline Range Organics	8015D			06/27/25	

LAB CHRONICLE

			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-06	TP-83	SOIL			06/25/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-07	TP-87	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/30/25	
			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-08	TP-100	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-09	TP-99	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	06/30/25	
			Gasoline Range Organics	8015D		06/27/25	
			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	
Q2436-10	TP-82	SOIL			06/26/25		06/26/25
			Diesel Range Organics	8015D	06/30/25	07/01/25	
			Gasoline Range Organics	8015D		06/30/25	
			Herbicide	8151A	07/01/25	07/02/25	
			PCB	8082A	06/27/25	06/27/25	
			Pesticide-TCL	8081B	06/27/25	06/28/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2436

Order ID: Q2436

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.: Q2436

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-PS030880.D	PIBLK-PS030880.D	2,4-DCAA	1	500	500	100		61	136
		2,4-DCAA	2	500	524	105		61	136
PB168675BL	PB168675BL	2,4-DCAA	1	500	320	64		10	141
		2,4-DCAA	2	500	407	81		10	141
PB168675BS	PB168675BS	2,4-DCAA	1	500	511	102		10	141
		2,4-DCAA	2	500	494	99		10	141
Q2436-01	TP-70	2,4-DCAA	1	500	289	58		10	141
		2,4-DCAA	2	500	324	65		10	141
Q2436-02	TP-69	2,4-DCAA	1	500	226	45		10	141
		2,4-DCAA	2	500	250	50		10	141
Q2436-03	TP-85	2,4-DCAA	1	500	228	46		10	141
		2,4-DCAA	2	500	252	50		10	141
Q2436-04	TP-86	2,4-DCAA	1	500	283	57		10	141
		2,4-DCAA	2	500	326	65		10	141
Q2436-05	TP-84	2,4-DCAA	1	500	366	73		10	141
		2,4-DCAA	2	500	400	80		10	141
Q2436-06	TP-83	2,4-DCAA	1	500	338	68		10	141
		2,4-DCAA	2	500	459	92		10	141
Q2436-07	TP-87	2,4-DCAA	1	500	349	70		10	141
		2,4-DCAA	2	500	405	81		10	141
Q2436-08	TP-100	2,4-DCAA	1	500	267	53		10	141
		2,4-DCAA	2	500	308	62		10	141
I.BLK-PS030892.D	PIBLK-PS030892.D	2,4-DCAA	1	500	498	100		61	136
		2,4-DCAA	2	500	517	103		61	136
Q2436-09	TP-99	2,4-DCAA	1	500	152	30		10	141
		2,4-DCAA	2	500	176	35		10	141
Q2436-10	TP-82	2,4-DCAA	1	500	215	43		10	141
		2,4-DCAA	2	500	246	49		10	141
Q2436-10MS	TP-82MS	2,4-DCAA	1	500	291	58		10	141
		2,4-DCAA	2	500	328	66		10	141
Q2436-10MSD	TP-82MSD	2,4-DCAA	1	500	317	63		10	141
		2,4-DCAA	2	500	321	64		10	141
I.BLK-PS030898.D	PIBLK-PS030898.D	2,4-DCAA	1	500	507	101		61	136
		2,4-DCAA	2	500	528	106		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030896.D</u>

		Sample				Rec		RPD		Limits		
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2436-10MS	Client Sample ID:	TP-82MS									
	(Column 1)											
	DICAMBA		181	0	68.4	ug/Kg	38			10	112	
	DICHLORPROP		181	0	121	ug/Kg	67			10	113	
	2,4-D		181	0	132	ug/Kg	73			10	144	
	2,4,5-TP(Silvex)		181	0	119	ug/Kg	66			10	114	
	2,4,5-T		181	0	120	ug/Kg	66			10	115	
	2,4-DB		181	0	108	ug/Kg	60			10	140	
	Dinoseb		181	0	18.7	ug/Kg	10			10	118	
Lab Sample ID:	Q2436-10MS	Client Sample ID:	TP-82MS									
	(Column 2)											
	DICAMBA		181	0	66.4	ug/Kg	37			10	112	
	DICHLORPROP		181	0	124	ug/Kg	69			10	113	
	2,4-D		181	0	125	ug/Kg	69			10	144	
	2,4,5-TP(Silvex)		181	0	117	ug/Kg	65			10	114	
	2,4,5-T		181	0	115	ug/Kg	64			10	115	
	2,4-DB		181	0	116	ug/Kg	64			10	140	
	Dinoseb		181	0	53.2	ug/Kg	29			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2436</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030897.D</u>

		Sample				Rec		RPD		Limits		
	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High	RPD
Lab Sample ID:	Q2436-10MSD	Client Sample ID:		TP-82MSD								
	(Column 1)											
	DICAMBA	180.9	0	66.8	ug/Kg	37		3		10	112	20
	DICHLORPROP	180.9	0	120	ug/Kg	66		2		10	113	20
	2,4-D	180.9	0	128	ug/Kg	71		3		10	144	20
	2,4,5-TP(Silvex)	180.9	0	118	ug/Kg	65		2		10	114	20
	2,4,5-T	180.9	0	116	ug/Kg	64		3		10	115	20
	2,4-DB	180.9	0	107	ug/Kg	59		2		10	140	20
	Dinoseb	180.9	0	0	ug/Kg	0	*	200	*	10	118	20
Lab Sample ID:	Q2436-10MSD	Client Sample ID:		TP-82MSD								
	(Column 2)											
	DICAMBA	180.9	0	64.9	ug/Kg	36		3		10	112	20
	DICHLORPROP	180.9	0	108	ug/Kg	60		14		10	113	20
	2,4-D	180.9	0	123	ug/Kg	68		1		10	144	20
	2,4,5-TP(Silvex)	180.9	0	115	ug/Kg	64		2		10	114	20
	2,4,5-T	180.9	0	113	ug/Kg	62		3		10	115	20
	2,4-DB	180.9	0	114	ug/Kg	63		2		10	140	20
	Dinoseb	180.9	0	42.0	ug/Kg	23		23	*	10	118	20

**SW-846**

Datafile : PS030883.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB168675BS (Column 1)	DICAMBA	166.5	161	ug/Kg	97				72	129
	DICHLORPROP	166.5	157	ug/Kg	94				77	135
	2,4-D	166.5	160	ug/Kg	96				65	144
	2,4,5-TP(Silvex)	166.5	169	ug/Kg	102				74	146
	2,4,5-T	166.5	173	ug/Kg	104				77	134
	2,4-DB	166.5	180	ug/Kg	108				72	122
	Dinoseb	166.5	165	ug/Kg	99				74	132
PB168675BS (Column 2)	DICAMBA	166.5	156	ug/Kg	94				72	129
	DICHLORPROP	166.5	154	ug/Kg	92				77	135
	2,4-D	166.5	151	ug/Kg	91				65	144
	2,4,5-TP(Silvex)	166.5	160	ug/Kg	96				74	146
	2,4,5-T	166.5	160	ug/Kg	96				77	134
	2,4-DB	166.5	157	ug/Kg	94				72	122
	Dinoseb	166.5	153	ug/Kg	92				74	132

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168675BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Lab Sample ID: PB168675BL

Lab File ID: PS030882.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/01/2025

Date Analyzed (1): 07/02/2025

Date Analyzed (2): 07/02/2025

Time Analyzed (1): 10:21

Time Analyzed (2): 10:21

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
PB168675BS	PB168675BS	PS030883.D	07/02/2025	07/02/2025
TP-70	Q2436-01	PS030884.D	07/02/2025	07/02/2025
TP-69	Q2436-02	PS030885.D	07/02/2025	07/02/2025
TP-85	Q2436-03	PS030886.D	07/02/2025	07/02/2025
TP-86	Q2436-04	PS030887.D	07/02/2025	07/02/2025
TP-84	Q2436-05	PS030888.D	07/02/2025	07/02/2025
TP-83	Q2436-06	PS030889.D	07/02/2025	07/02/2025
TP-87	Q2436-07	PS030890.D	07/02/2025	07/02/2025
TP-100	Q2436-08	PS030891.D	07/02/2025	07/02/2025
TP-99	Q2436-09	PS030894.D	07/02/2025	07/02/2025
TP-82	Q2436-10	PS030895.D	07/02/2025	07/02/2025
TP-82MS	Q2436-10MS	PS030896.D	07/02/2025	07/02/2025
TP-82MSD	Q2436-10MSD	PS030897.D	07/02/2025	07/02/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-70	SDG No.:	Q2436
Lab Sample ID:	Q2436-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.1
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
PS030884.D	1	07/01/25 10:00	07/02/25 11:09	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.40	U	9.40	81.4	ug/Kg
120-36-5	DICHLORPROP	15.6	U	15.6	81.4	ug/Kg
94-75-7	2,4-D	11.0	U	11.0	81.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.0	U	11.0	81.4	ug/Kg
93-76-5	2,4,5-T	10.6	U	10.6	81.4	ug/Kg
94-82-6	2,4-DB	29.4	U	29.4	81.4	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	324		10 - 141	65%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:09
Operator : AR\AJ
Sample : Q2436-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-70

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:05 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	7.340	7.768	1063.1E6	347.6E6	289.332	324.229
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Target Compounds

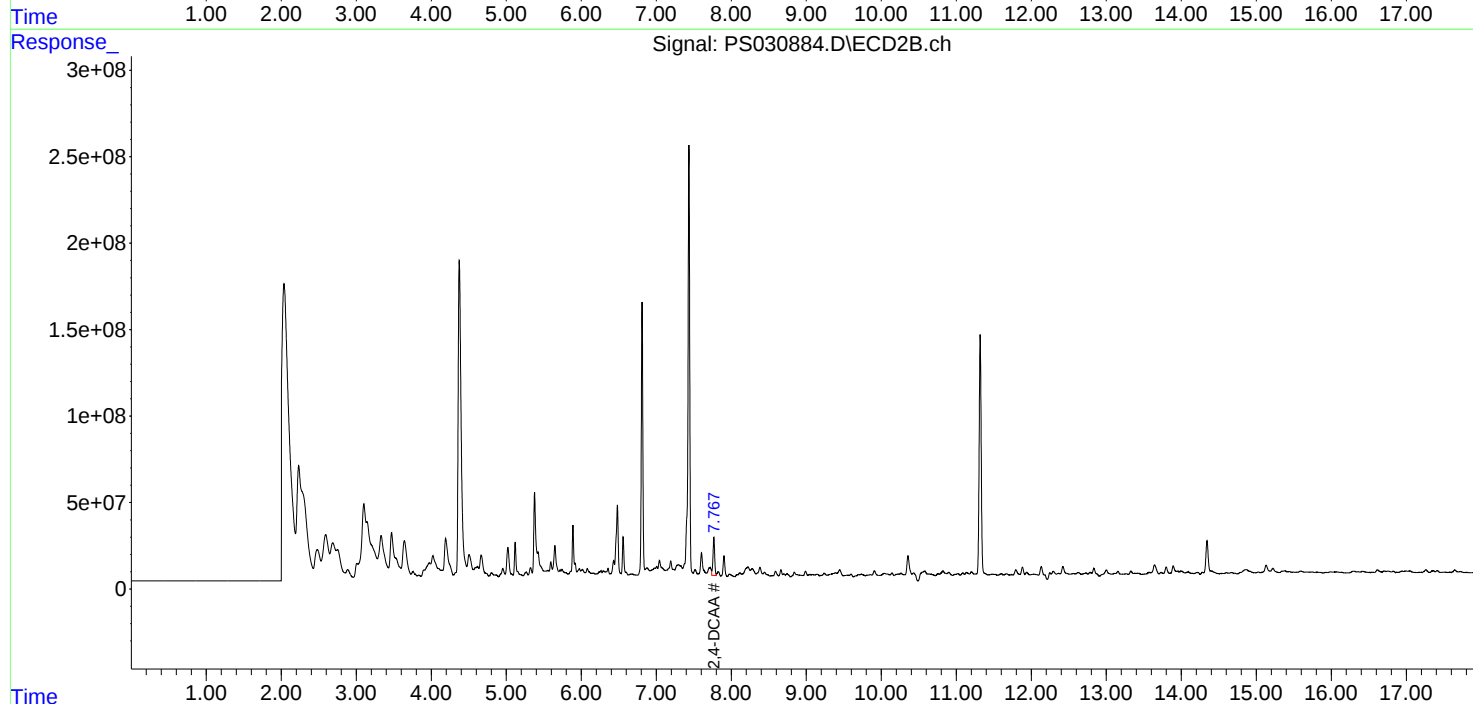
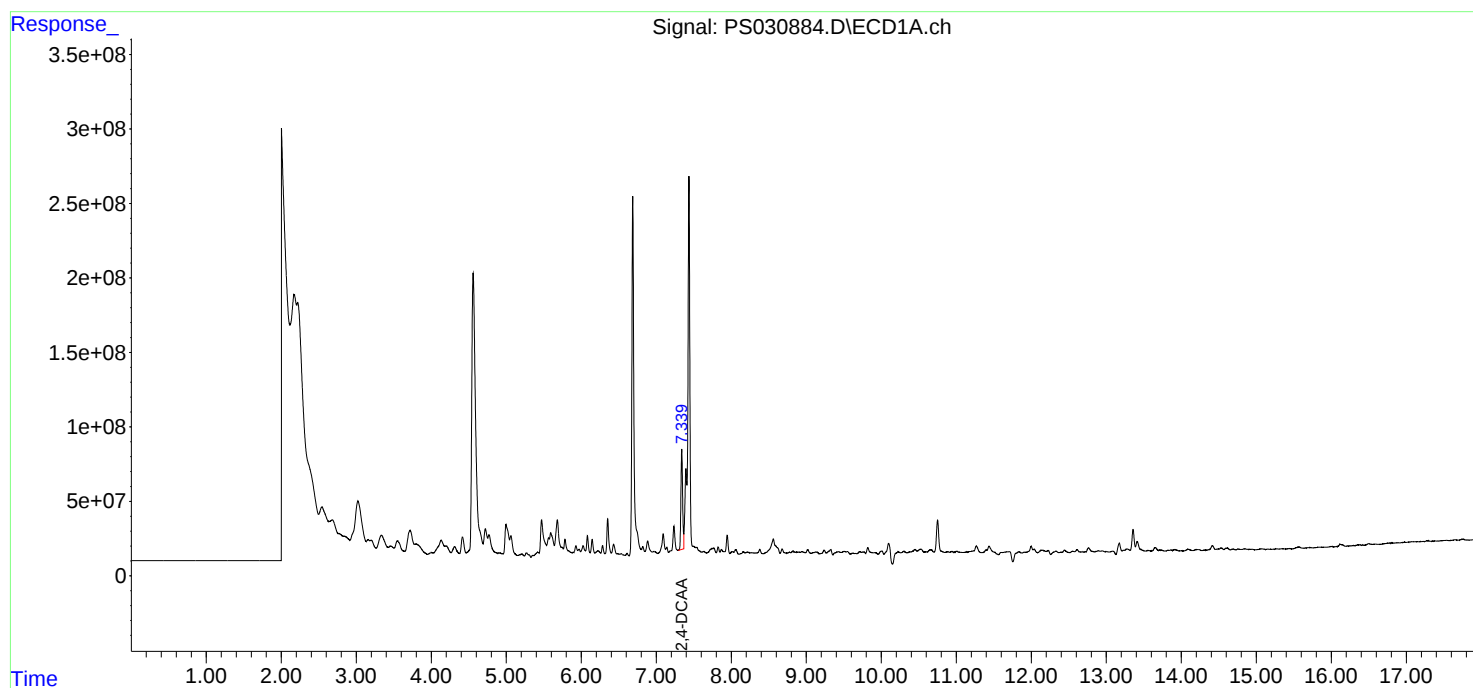
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

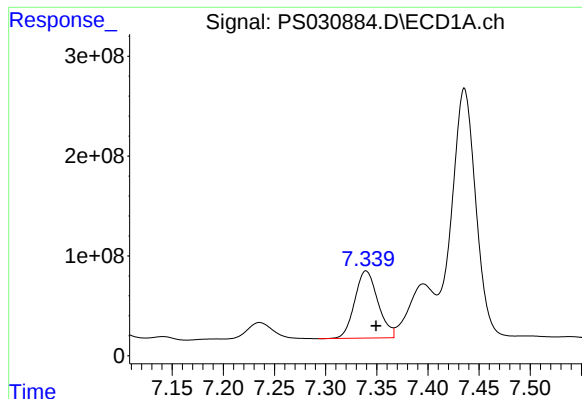
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030884.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:09
Operator : AR\AJ
Sample : Q2436-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-70

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:05 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

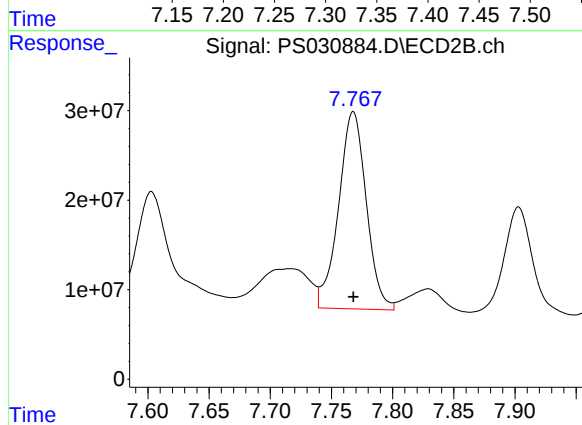




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.010 min
Response: 1063120446
Conc: 289.33 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-70



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 347561326
Conc: 324.23 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-69	SDG No.:	Q2436
Lab Sample ID:	Q2436-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82
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
PS030885.D	1	07/01/25 10:00	07/02/25 11:33	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.40	U	9.40	81.5	ug/Kg
120-36-5	DICHLORPROP	15.6	U	15.6	81.5	ug/Kg
94-75-7	2,4-D	11.0	U	11.0	81.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.0	U	11.0	81.5	ug/Kg
93-76-5	2,4,5-T	10.6	U	10.6	81.5	ug/Kg
94-82-6	2,4-DB	29.5	U	29.5	81.5	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	250		10 - 141	50%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:33
Operator : AR\AJ
Sample : Q2436-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-69

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:20 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	7.340	7.768	830.2E6	267.8E6	225.930	249.802

Target Compounds

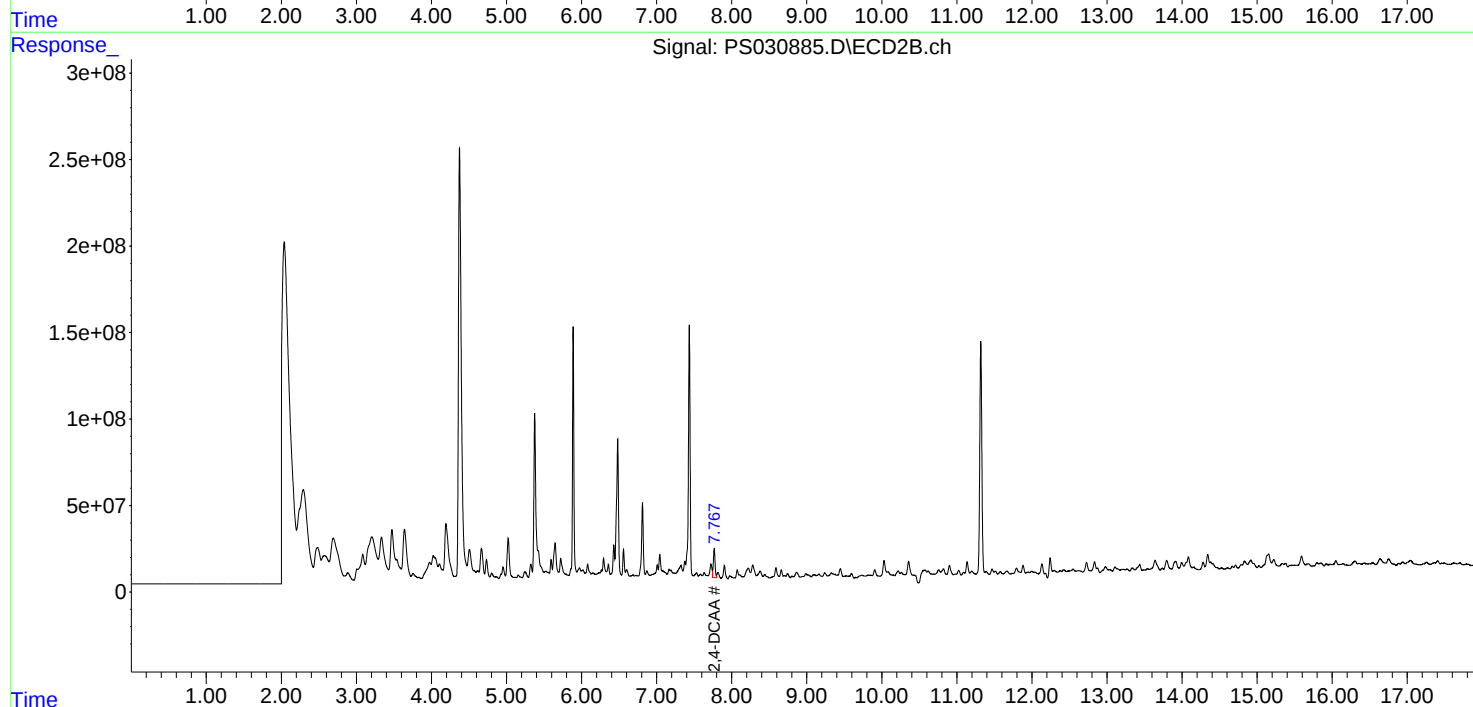
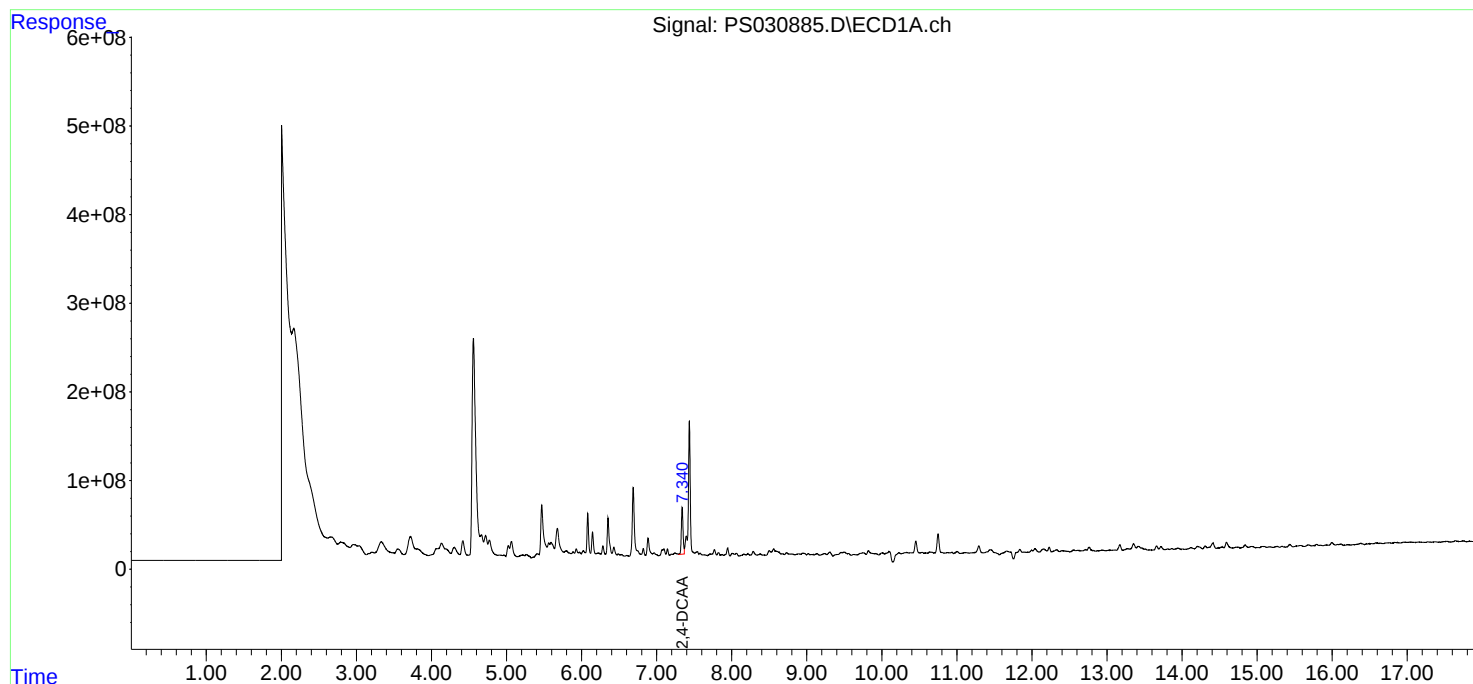
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

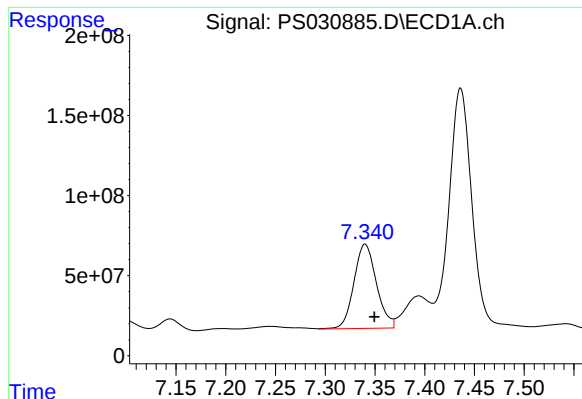
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:33
Operator : AR\AJ
Sample : Q2436-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-69

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:20 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

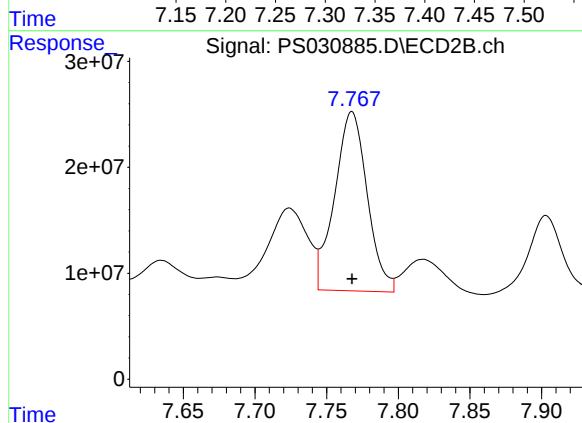




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 830154708
Conc: 225.93 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-69



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 267778582
Conc: 249.80 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-85	SDG No.:	Q2436
Lab Sample ID:	Q2436-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.1
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
PS030886.D	1	07/01/25 10:00	07/02/25 11:57	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.5	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.5	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.5	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.5	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.5	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	252		10 - 141	50%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:57
Operator : AR\AJ
Sample : Q2436-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-85

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:39 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	7.767	839.1E6	270.3E6	228.376	252.136

Target Compounds

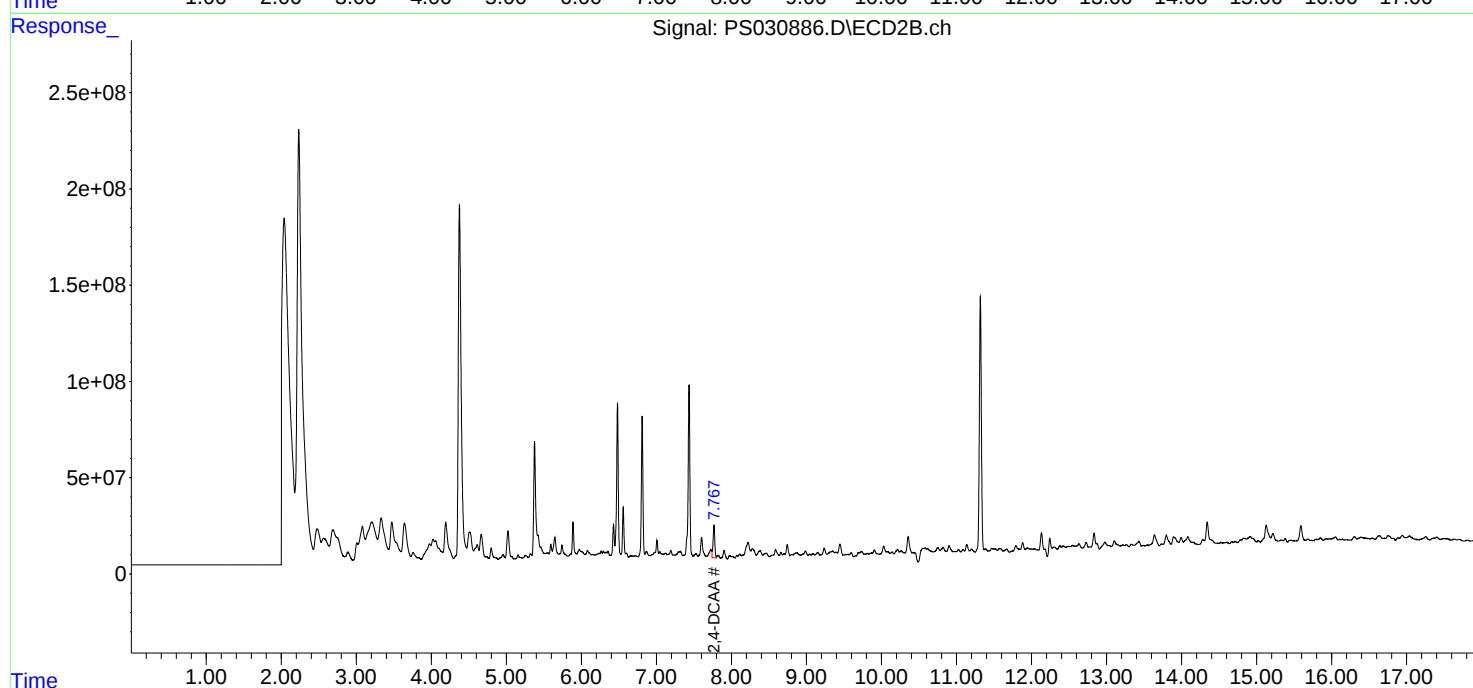
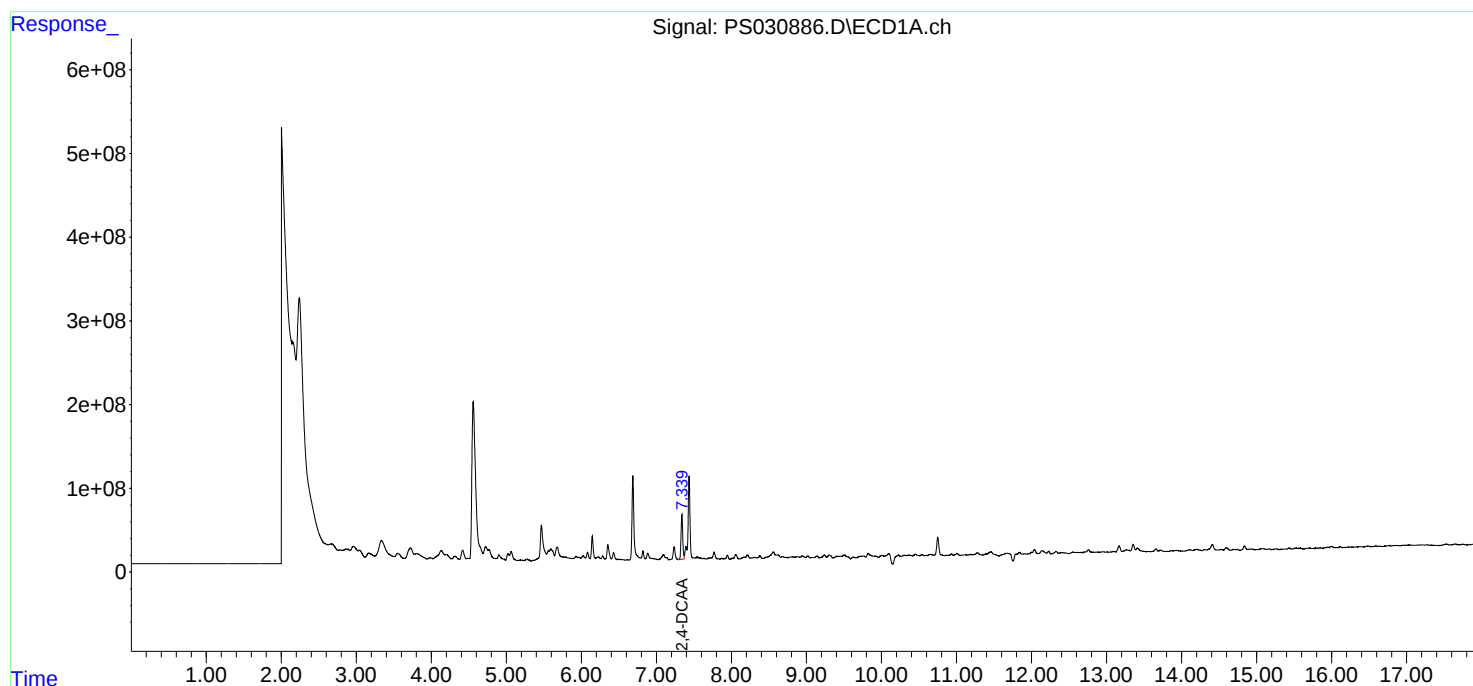
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 11:57
Operator : AR\AJ
Sample : Q2436-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-85

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:39 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: PS030886.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.339 min

Delta R.T.: -0.010 min

Response: 839141968

Conc: 228.38 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-85

1e+08

5e+07

0

7.339

+

Time

Response

Signal: PS030886.D\ECD2B.ch

#4 2,4-DCAA

R.T.: 7.767 min

Delta R.T.: 0.000 min

Response: 270281037

Conc: 252.14 ng/ml

3e+07

2e+07

1e+07

0

7.767

+

Time

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-86	SDG No.:	Q2436
Lab Sample ID:	Q2436-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.7
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
PS030887.D	1	07/01/25 10:00	07/02/25 12:22	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	75.4	ug/Kg
120-36-5	DICHLORPROP	14.4	U	14.4	75.4	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.4	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.4	ug/Kg
94-82-6	2,4-DB	27.2	U	27.2	75.4	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	326		10 - 141	65%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 12:22
Operator : AR\AJ
Sample : Q2436-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-86

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:56 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	1038.8E6	349.4E6	282.700	325.920

Target Compounds

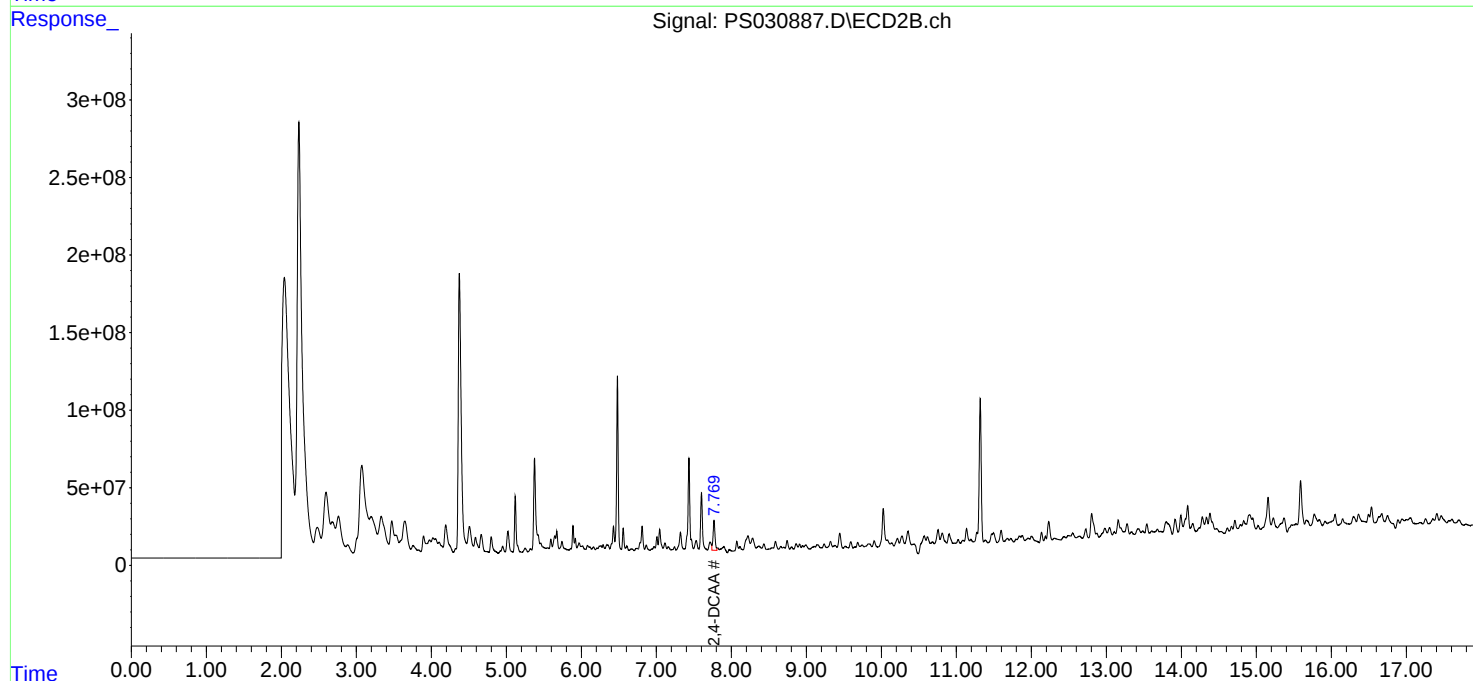
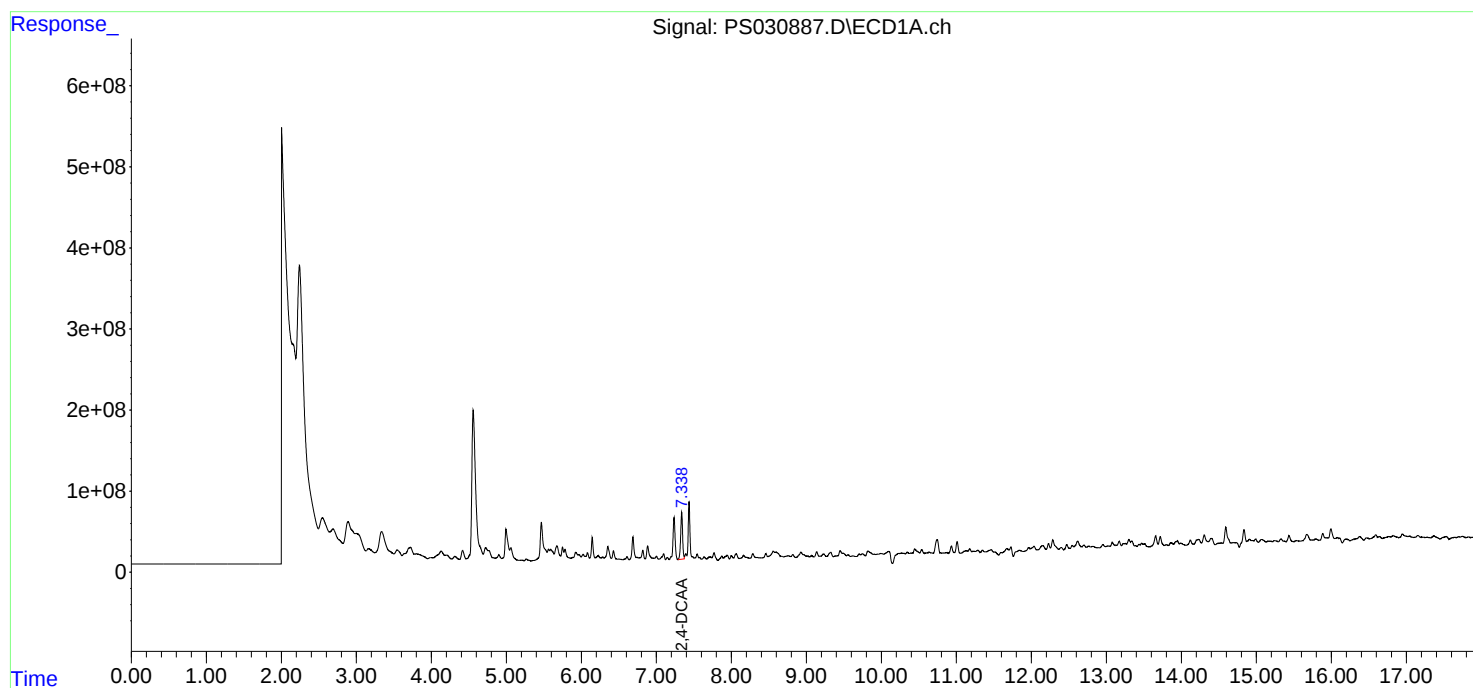
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

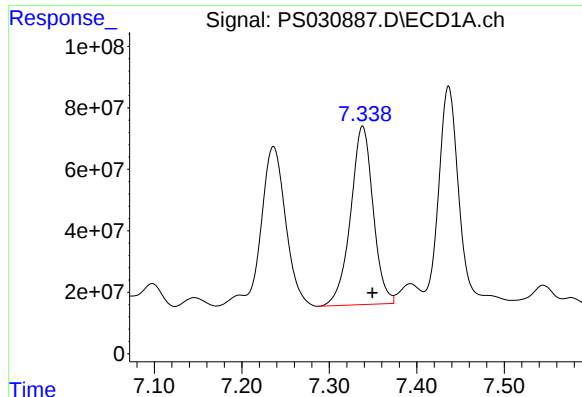
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 12:22
Operator : AR\AJ
Sample : Q2436-04
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-86

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:41:56 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

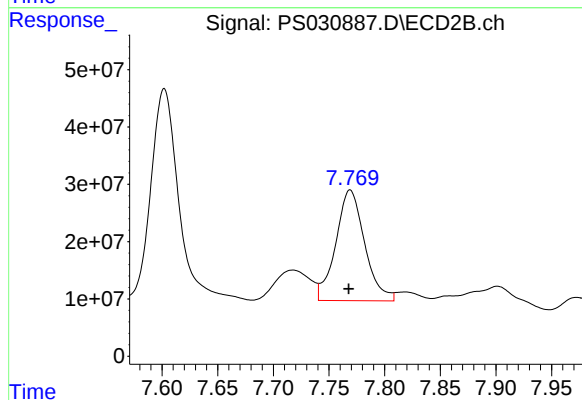




#4 2,4-DCAA

R.T.: 7.338 min
Delta R.T.: -0.011 min
Response: 1038752959
Conc: 282.70 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-86



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.001 min
Response: 349374106
Conc: 325.92 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-84	SDG No.:	Q2436
Lab Sample ID:	Q2436-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.3
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
PS030888.D	1	07/01/25 10:00	07/02/25 12:46	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.4	ug/Kg
120-36-5	DICHLORPROP	13.8	U	13.8	72.4	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.4	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.4	ug/Kg
94-82-6	2,4-DB	26.1	U	26.1	72.4	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	400		10 - 141	80%	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\PS070225\
Data File : PS030888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 12:46
Operator : AR\AJ
Sample : Q2436-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-84

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:18 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	7.338	7.769	1344.4E6	429.2E6	365.887	400.374

Target Compounds

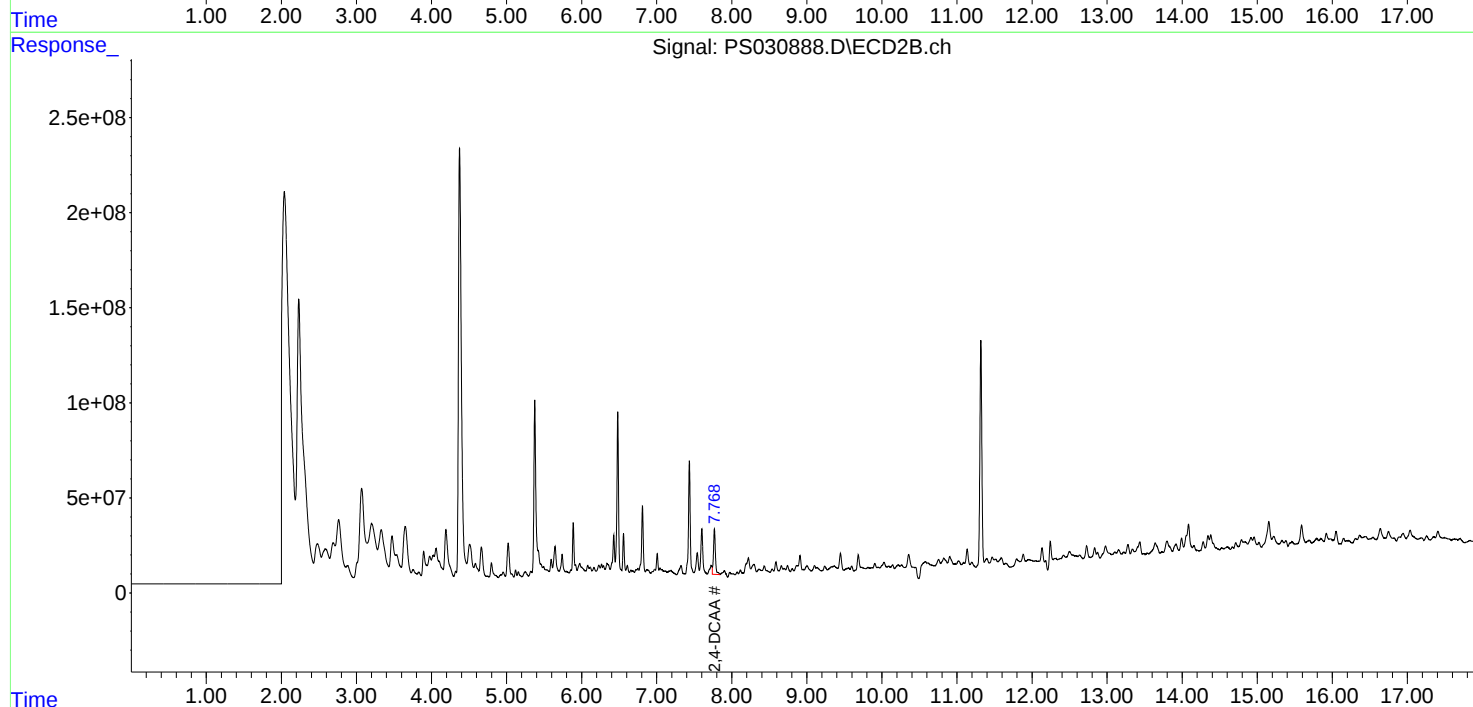
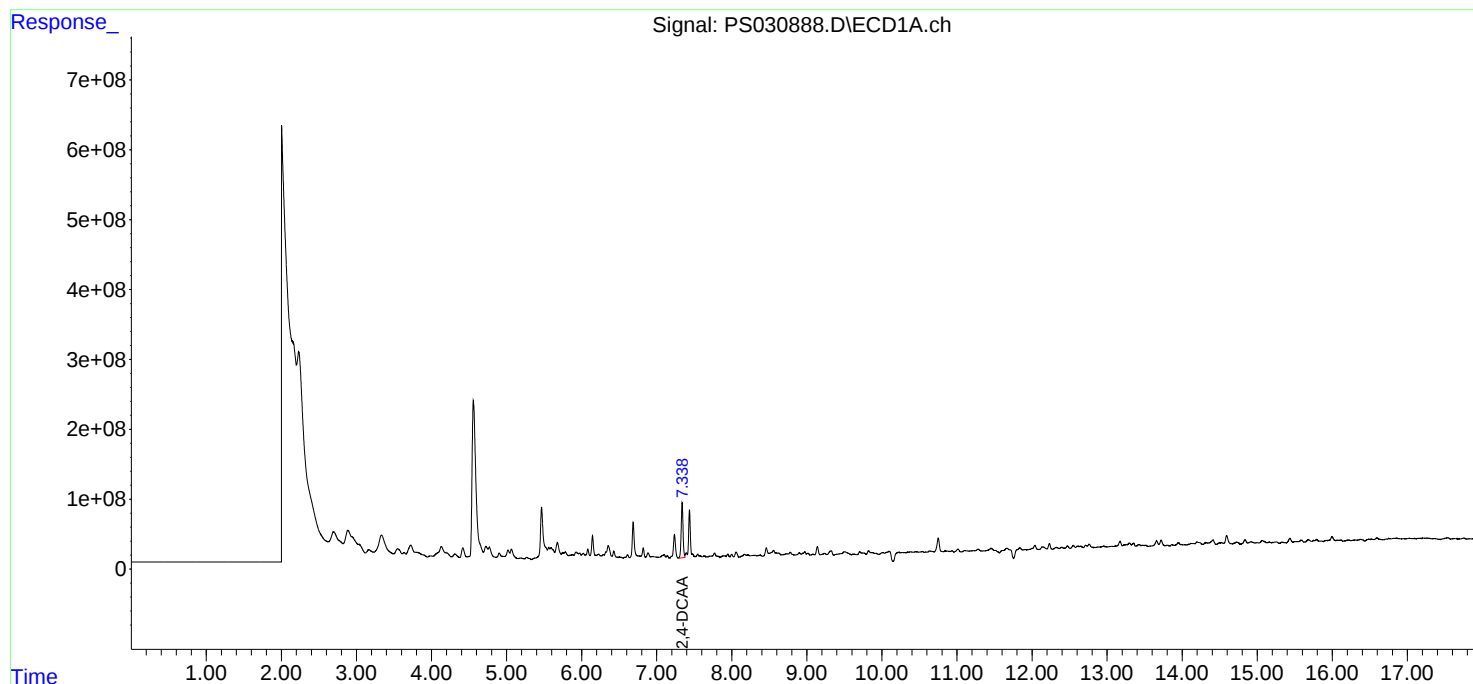
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 12:46
Operator : AR\AJ
Sample : Q2436-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-84

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:18 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

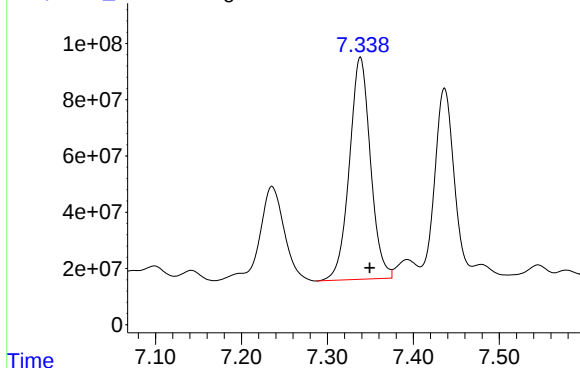
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS030888.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.338 min

Delta R.T.: -0.011 min

Response: 1344414661

Conc: 365.89 ng/ml

Instrument :

ECD_S

ClientSampleId :

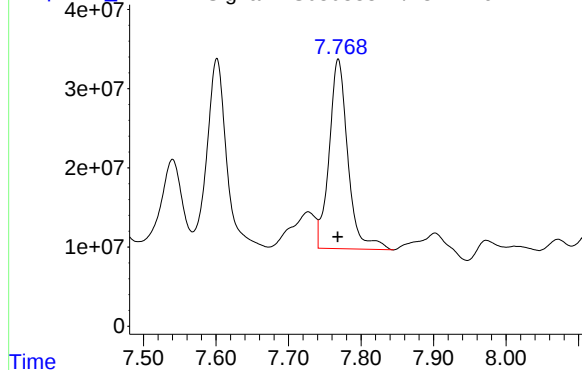
TP-84

Time

Response

Signal: PS030888.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.769 min

Delta R.T.: 0.000 min

Response: 429186152

Conc: 400.37 ng/ml

Time

Report of Analysis

Client:	CDM Smith	Date Collected:	06/25/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-83	SDG No.:	Q2436
Lab Sample ID:	Q2436-06	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
PS030889.D	1	07/01/25 10:00	07/02/25 13:10	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.8	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.8	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.8	ug/Kg
94-82-6	2,4-DB	26.7	U	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	459		10 - 141	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:10
Operator : AR\AJ
Sample : Q2436-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-83

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:34 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	1241.4E6	492.3E6	337.850	459.282 #

Target Compounds

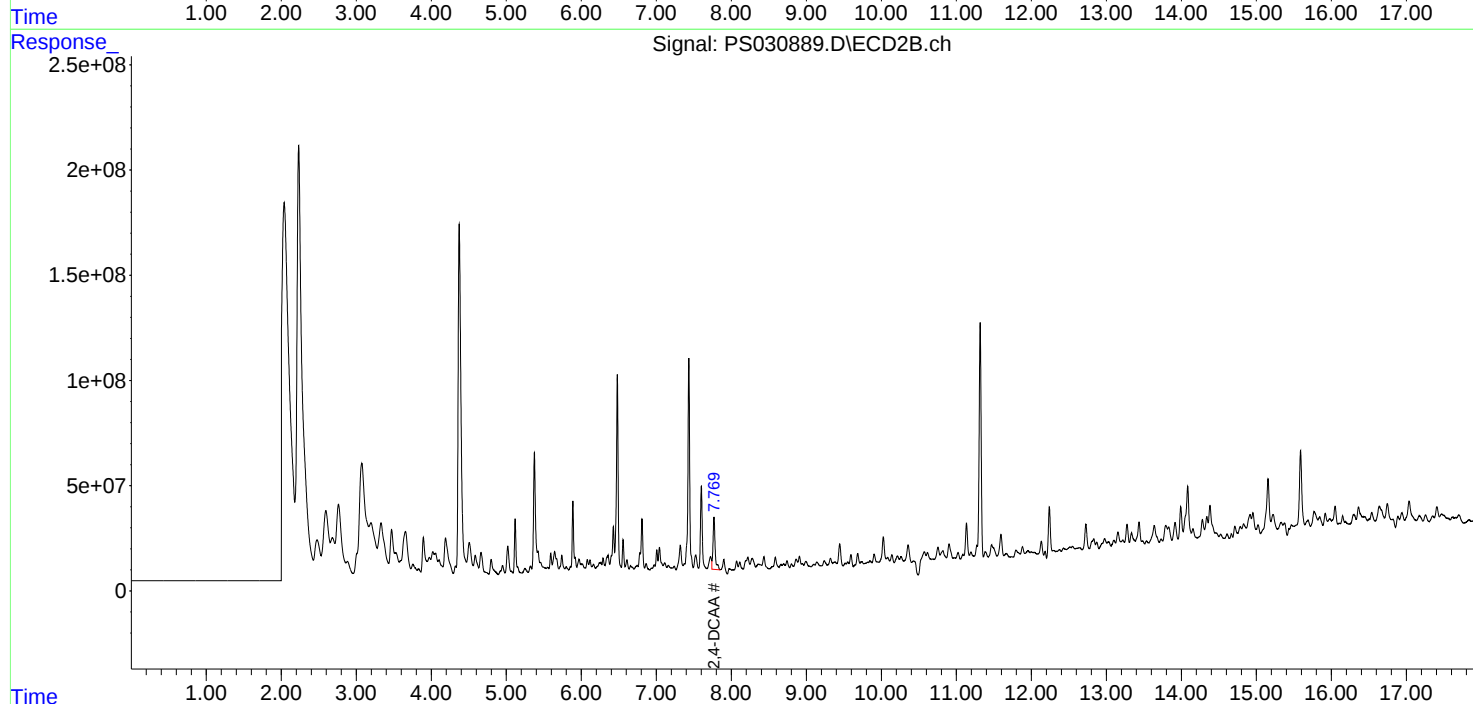
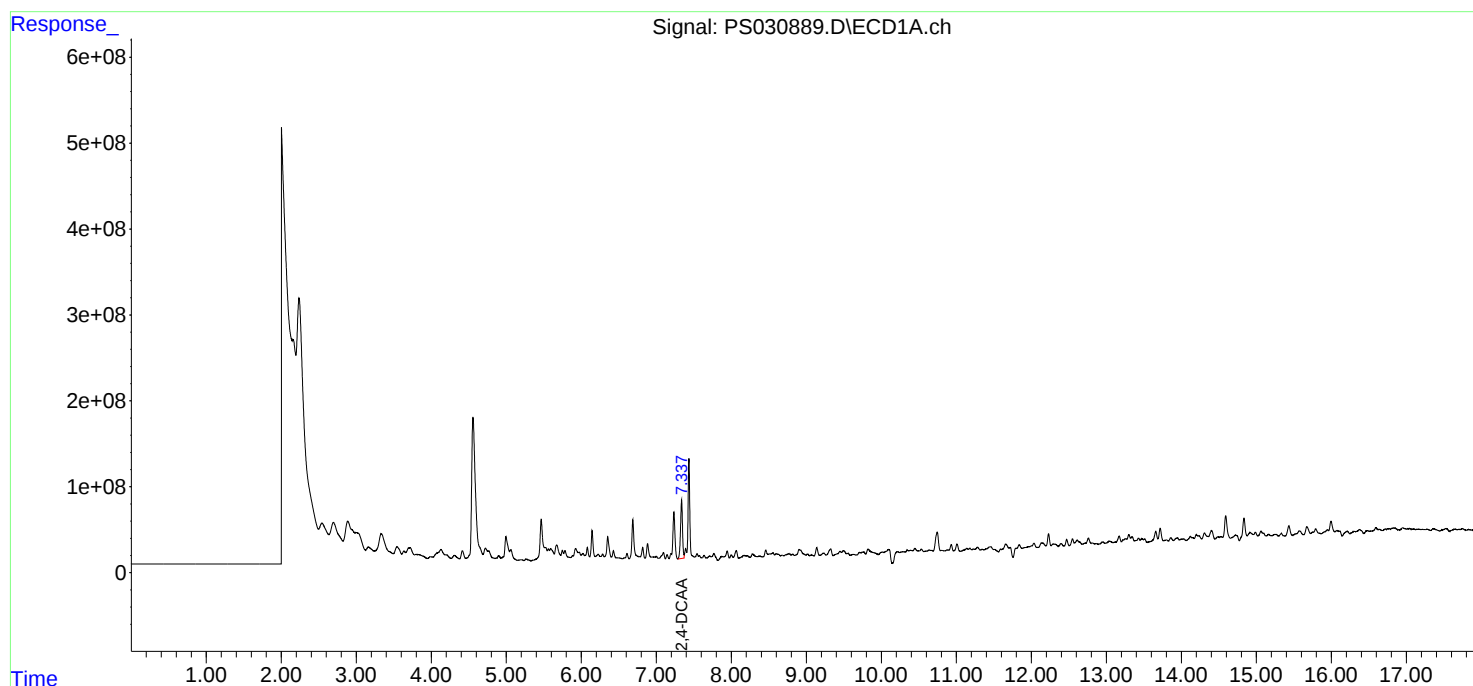
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

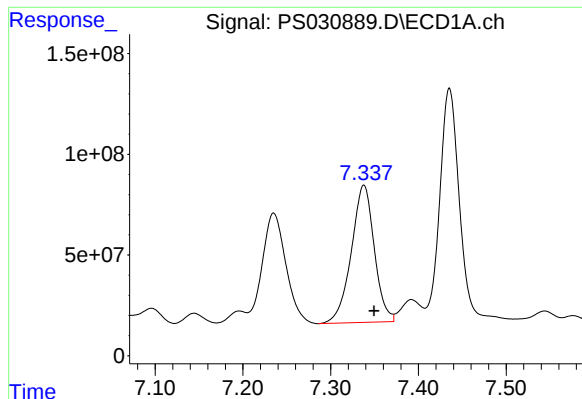
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:10
Operator : AR\AJ
Sample : Q2436-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-83

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:34 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

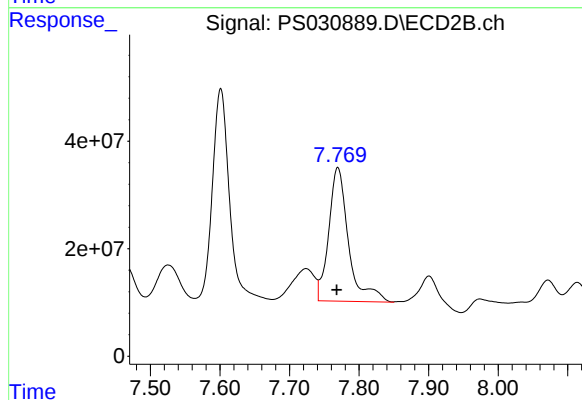




#4 2,4-DCAA

R.T.: 7.338 min
Delta R.T.: -0.012 min
Response: 1241396100
Conc: 337.85 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-83



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.002 min
Response: 492333605
Conc: 459.28 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-87	SDG No.:	Q2436
Lab Sample ID:	Q2436-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.9
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
PS030890.D	1	07/01/25 10:00	07/02/25 13:34	PB168675

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	10.0	U	10.0	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	405		10 - 141	81%	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\PS070225\
Data File : PS030890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:34
Operator : AR\AJ
Sample : Q2436-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-87

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:51 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	7.339	7.768	1280.7E6	433.7E6	348.553	404.583m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:34
Operator : AR\AJ
Sample : Q2436-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

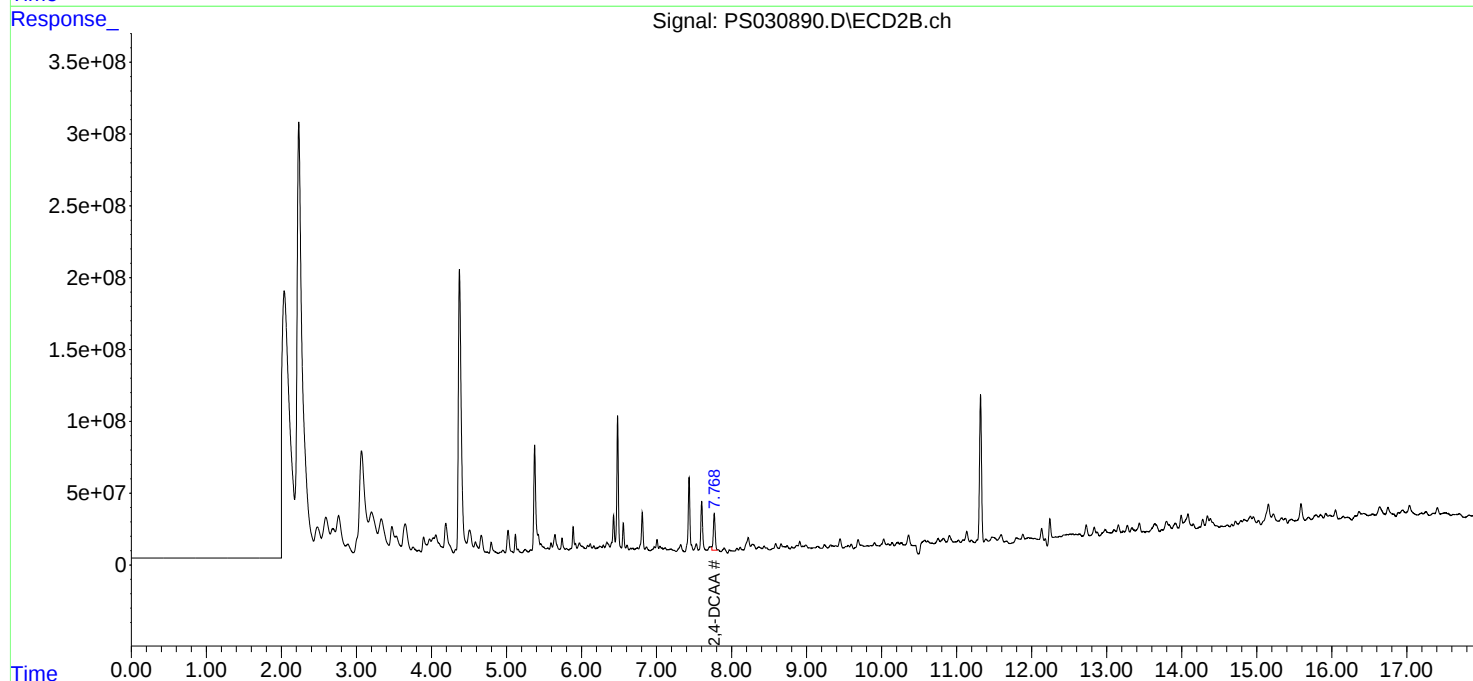
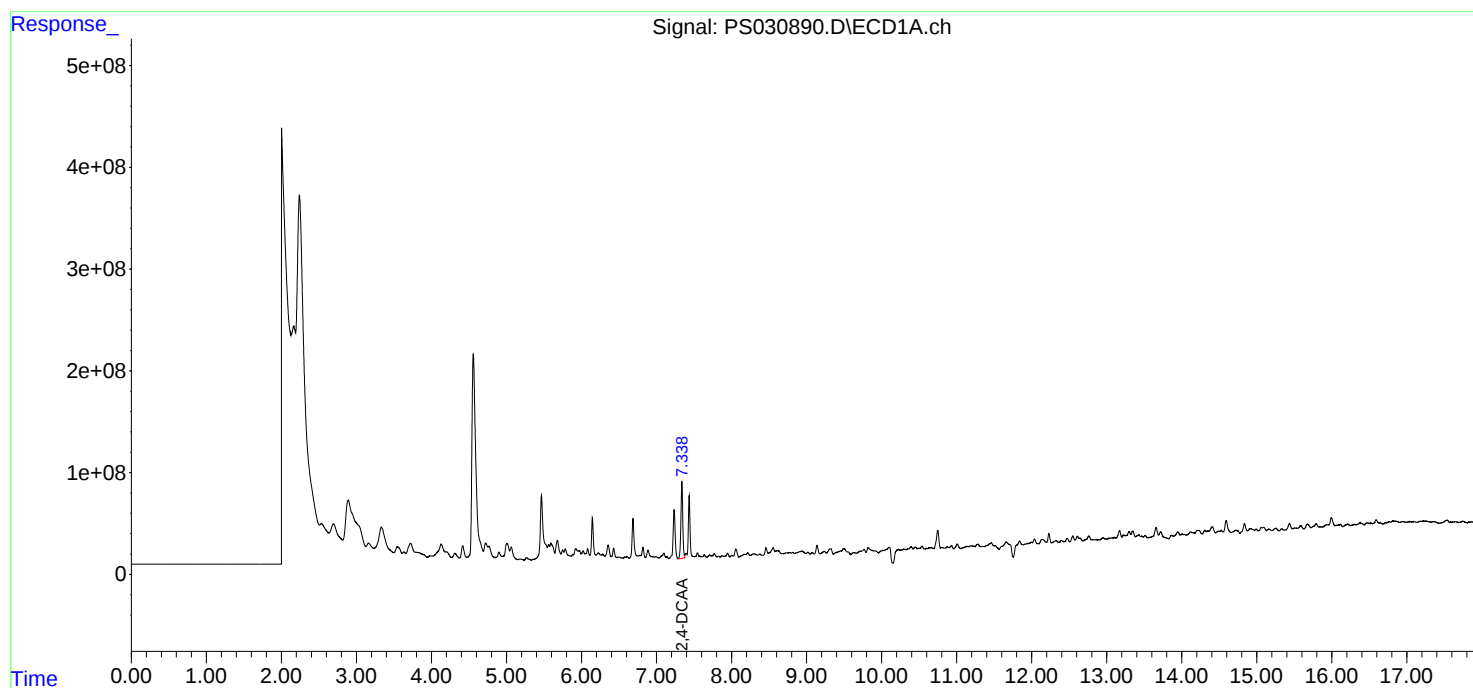
Instrument :
ECD_S
ClientSampleId :
TP-87

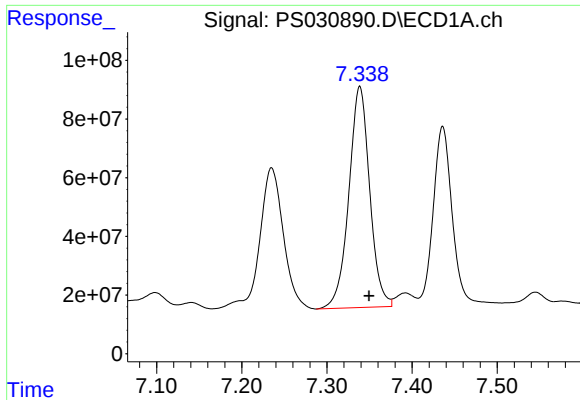
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/03/2025
Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:42:51 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





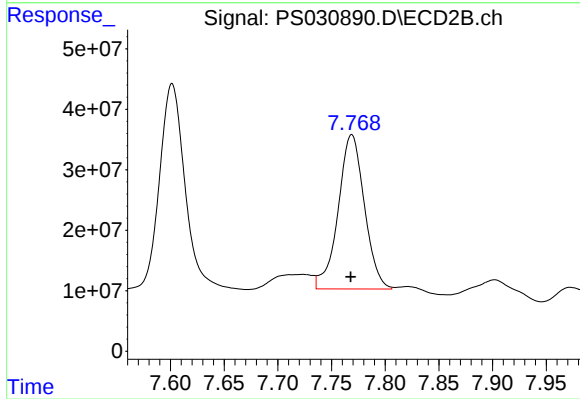
#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.011 min
Response: 1280722759
Conc: 348.55 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-87

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/03/2025
Supervised By :mohammad ahmed 07/04/2025



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 433698810
Conc: 404.58 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-100	SDG No.:	Q2436
Lab Sample ID:	Q2436-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.6
Sample Wt/Vol:	30.02	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
PS030891.D	1	07/01/25 10:00	07/02/25 13:58	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	78.2	ug/Kg
120-36-5	DICHLORPROP	14.9	U	14.9	78.2	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.2	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.2	ug/Kg
94-82-6	2,4-DB	28.3	U	28.3	78.2	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	308		10 - 141	62%	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\PS070225\
Data File : PS030891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:58
Operator : AR\AJ
Sample : Q2436-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:43:08 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	7.339	7.767	982.1E6	329.8E6	267.269	307.689

Target Compounds

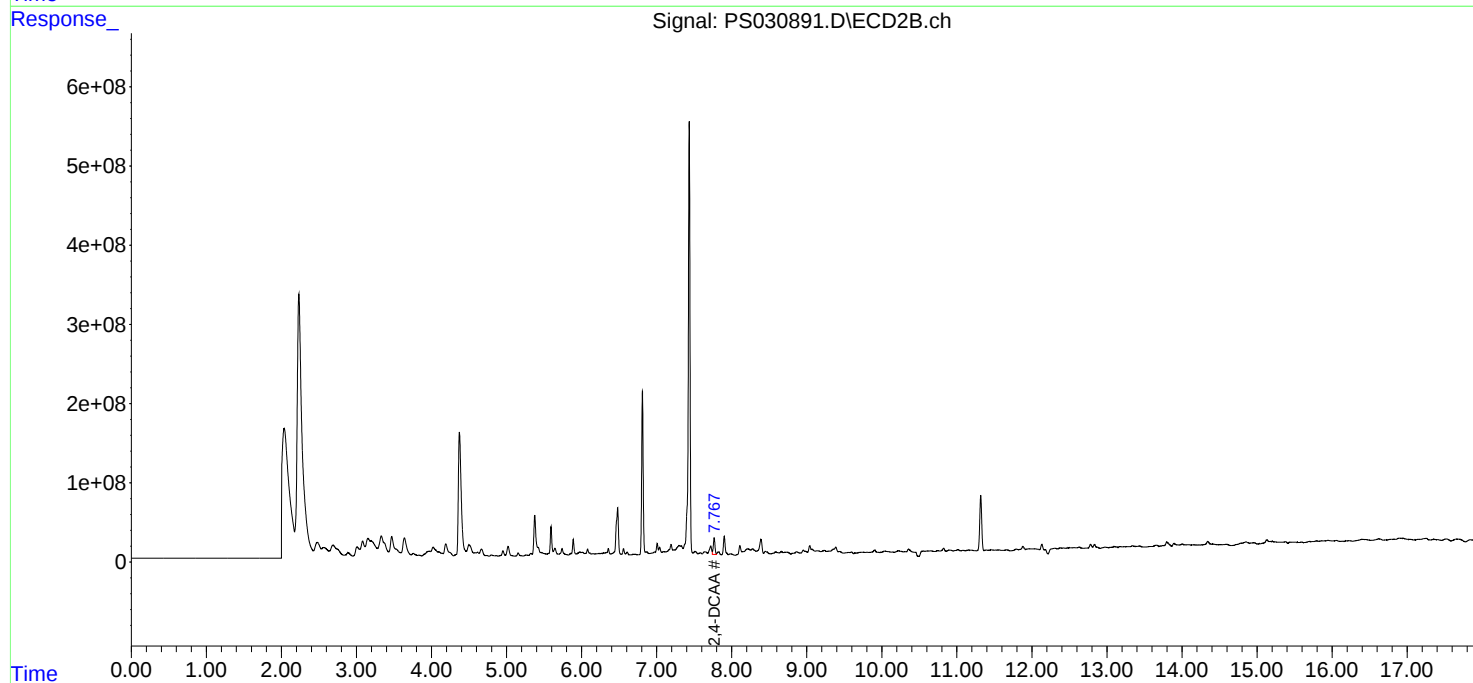
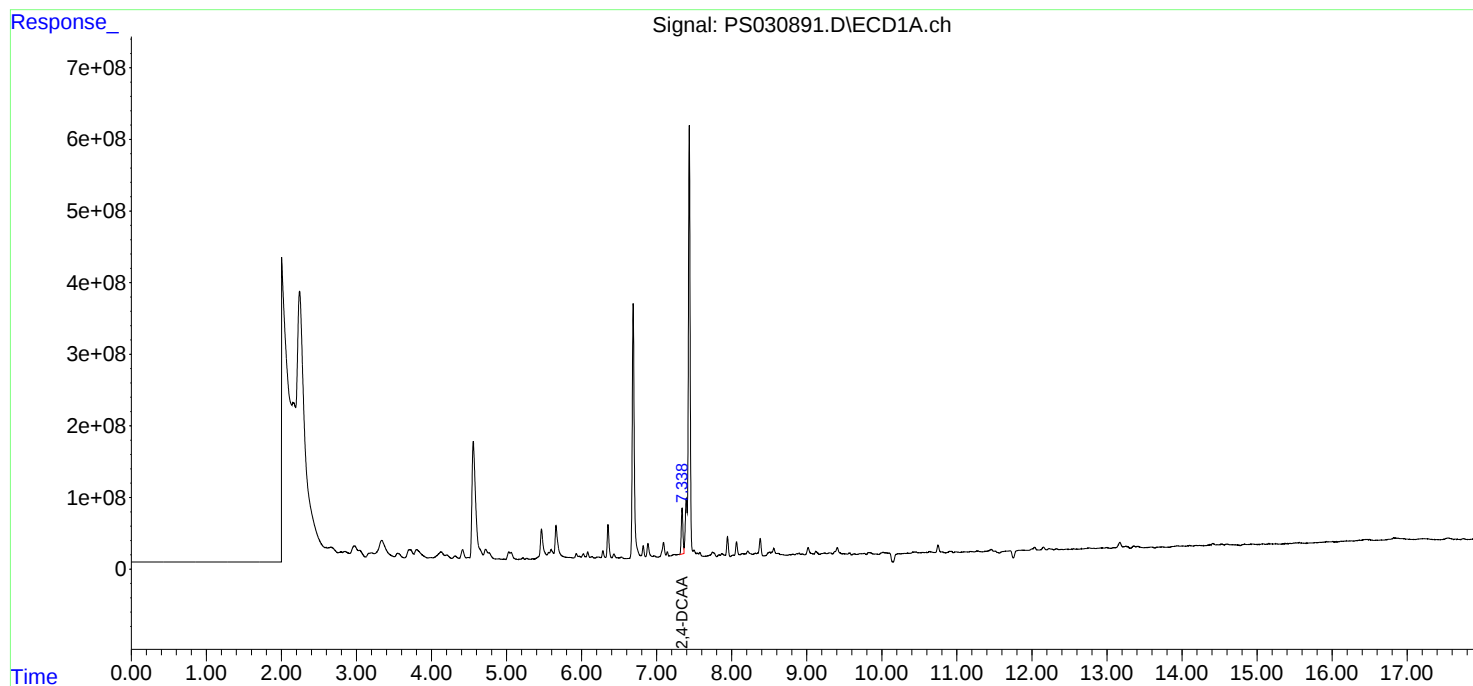
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

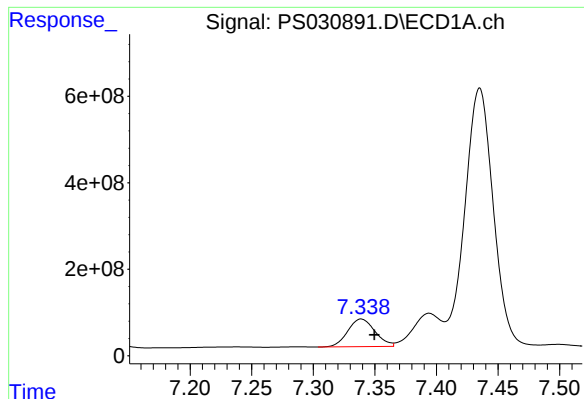
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 13:58
Operator : AR\AJ
Sample : Q2436-08
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:43:08 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

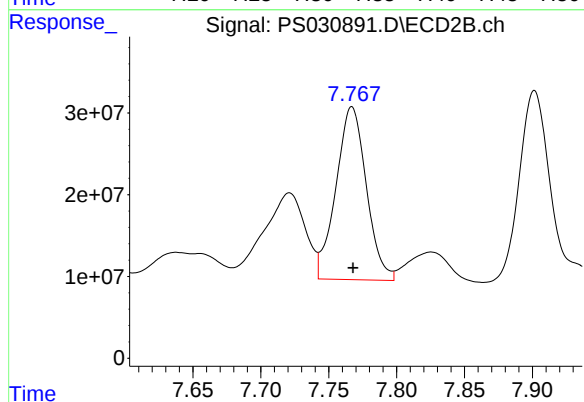




#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.011 min
Response: 982050212
Conc: 267.27 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-100



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 329831845
Conc: 307.69 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-99	SDG No.:	Q2436
Lab Sample ID:	Q2436-09	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92.2
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
PS030894.D	1	07/01/25 10:00	07/02/25 15:11	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.6	ug/Kg
120-36-5	DICHLORPROP	13.9	U	13.9	72.6	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.6	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.6	ug/Kg
94-82-6	2,4-DB	26.2	U	26.2	72.6	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	176		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\PS070225\
 Data File : PS030894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 15:11
 Operator : AR\AJ
 Sample : Q2436-09
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-99

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:43:56 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	7.340	7.768	559.9E6	188.7E6	152.389	175.998

Target Compounds

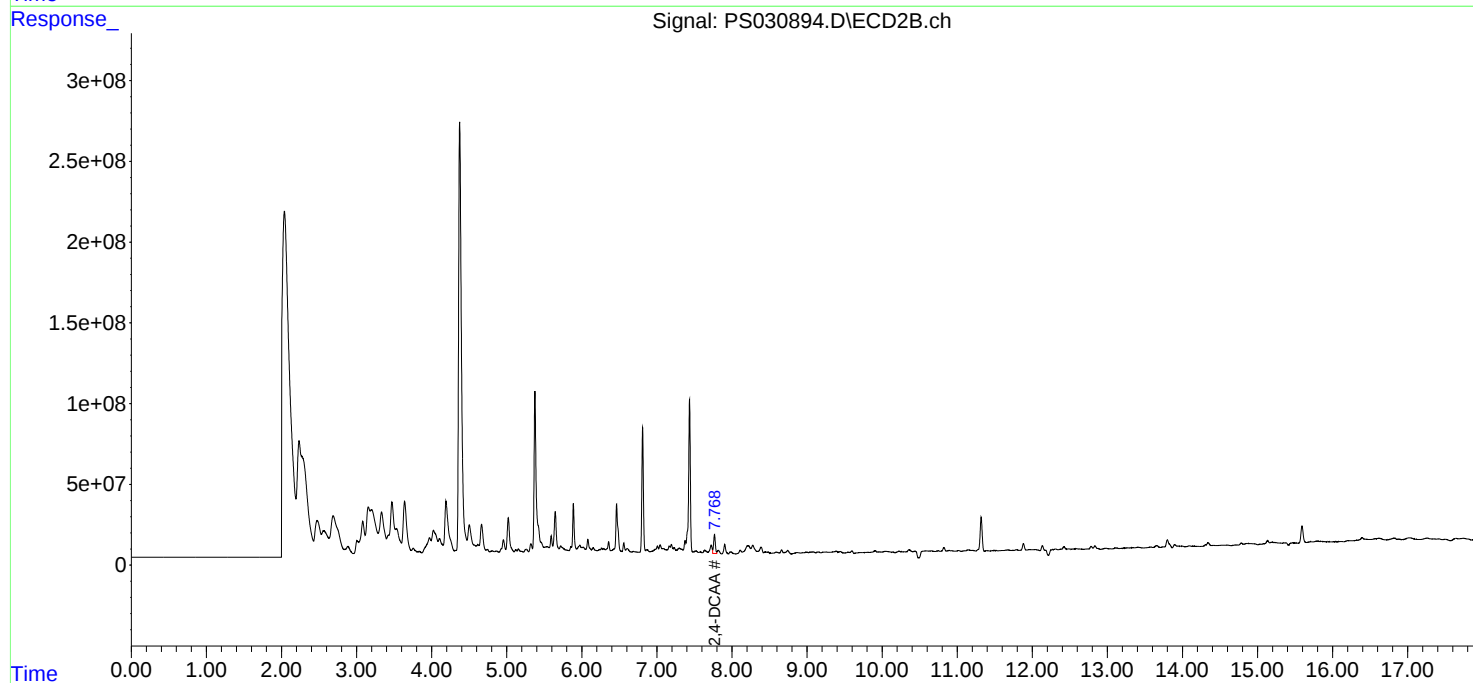
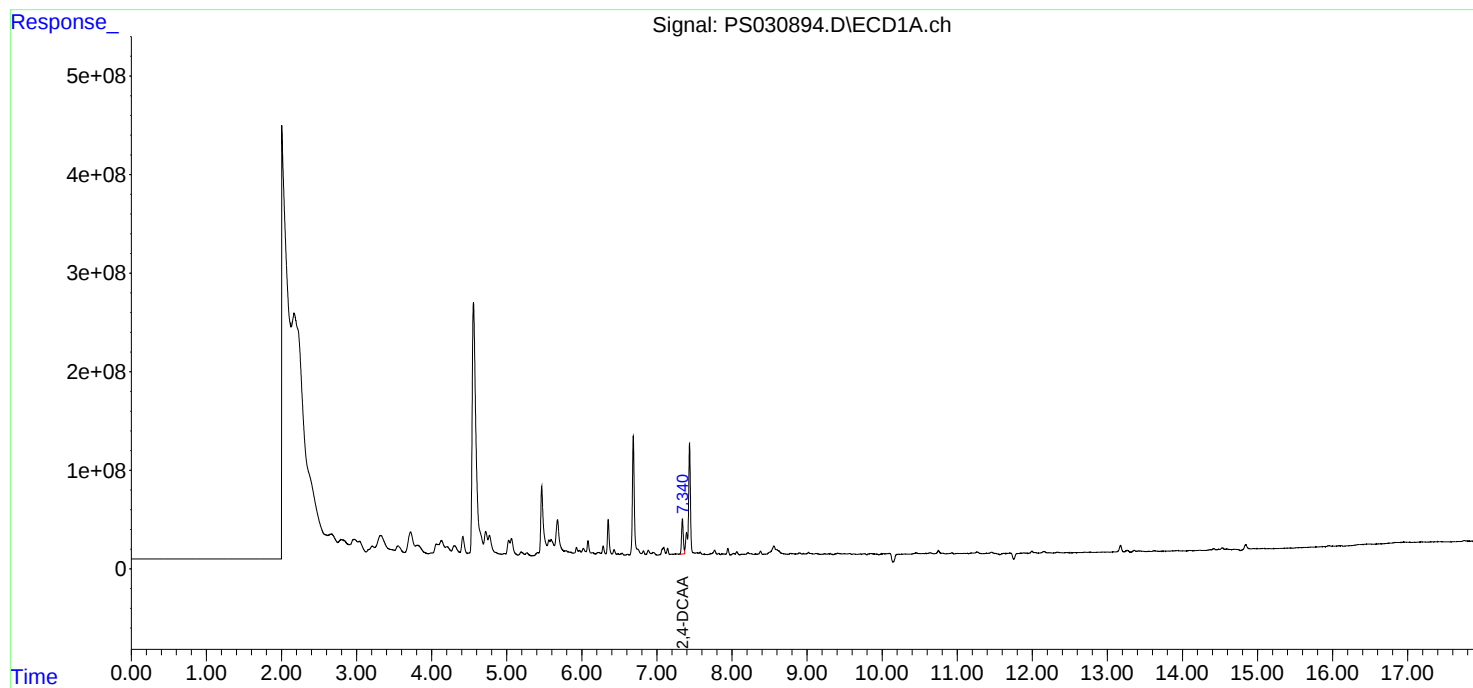
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

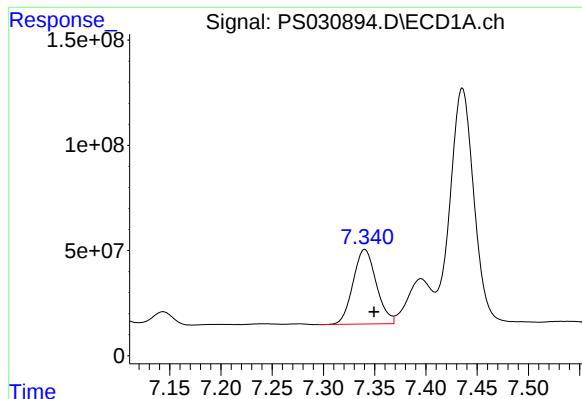
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 15:11
Operator : AR\AJ
Sample : Q2436-09
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-99

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:43:56 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

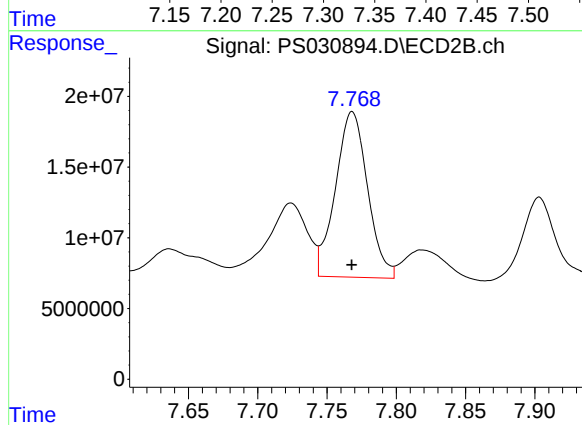




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 559938720
Conc: 152.39 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-99



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 188663034
Conc: 176.00 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82	SDG No.:	Q2436
Lab Sample ID:	Q2436-10	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92
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
PS030895.D	1	07/01/25 10:00	07/02/25 15:35	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.40	U	8.40	72.7	ug/Kg
120-36-5	DICHLORPROP	13.9	U	13.9	72.7	ug/Kg
94-75-7	2,4-D	9.80	U	9.80	72.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.80	U	9.80	72.7	ug/Kg
93-76-5	2,4,5-T	9.40	U	9.40	72.7	ug/Kg
94-82-6	2,4-DB	26.3	U	26.3	72.7	ug/Kg
88-85-7	DINOSEB	11.7	U	11.7	72.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	246		10 - 141	49%	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\PS070225\
Data File : PS030895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 15:35
Operator : AR\AJ
Sample : Q2436-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-82

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:44:12 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	7.339	7.768	788.2E6	263.8E6	214.516	246.064

Target Compounds

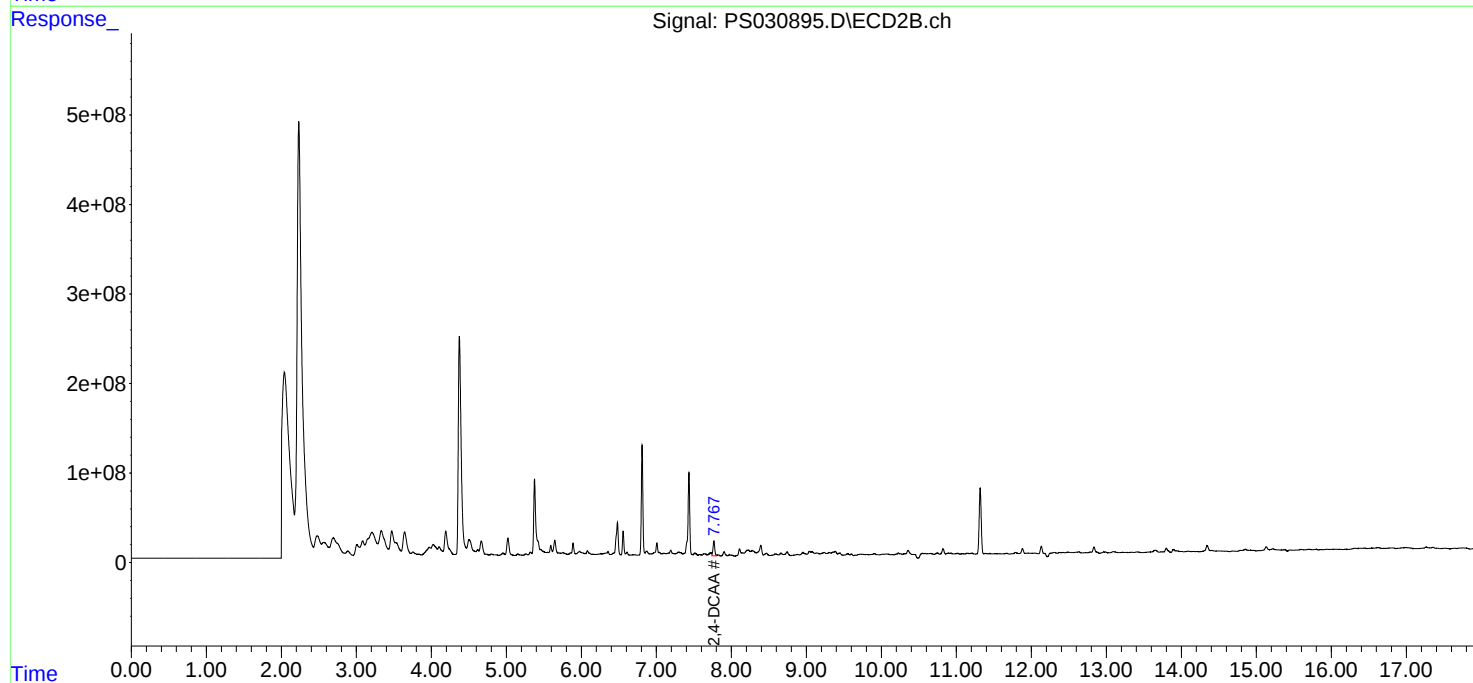
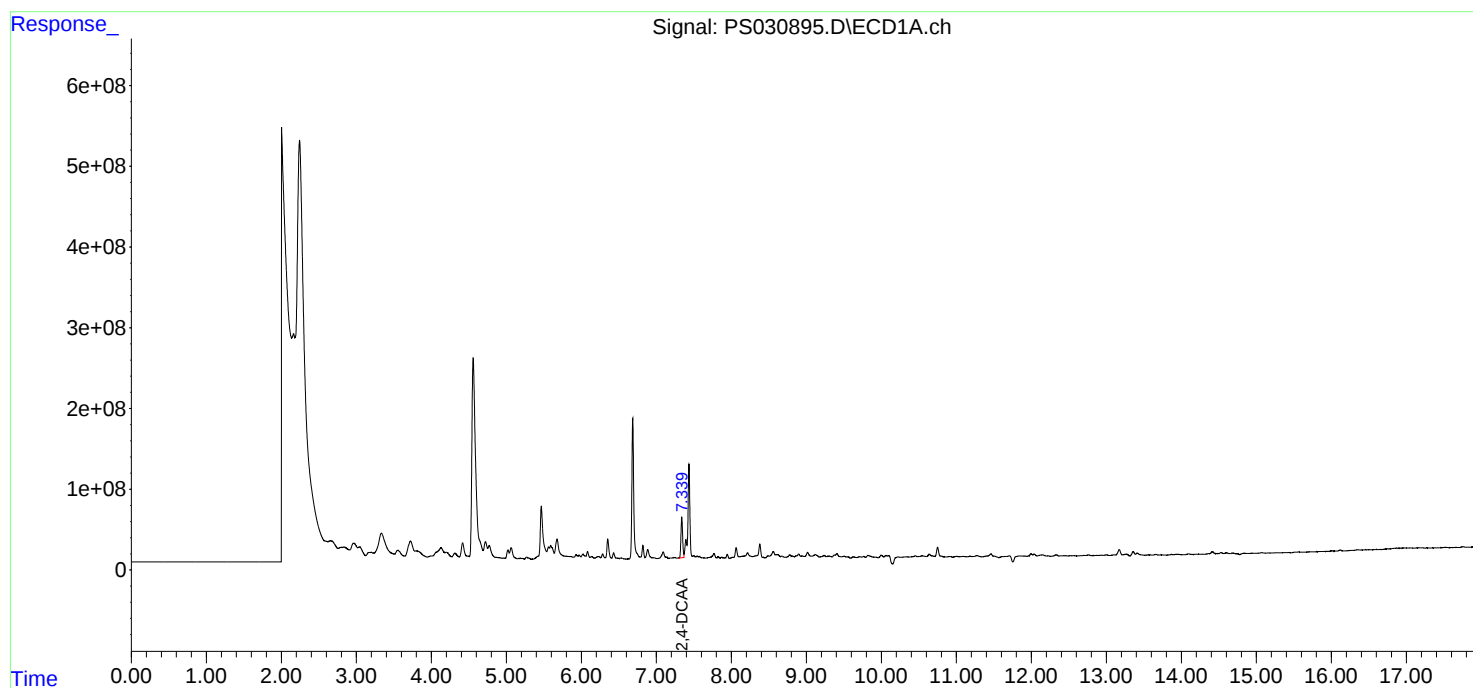
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

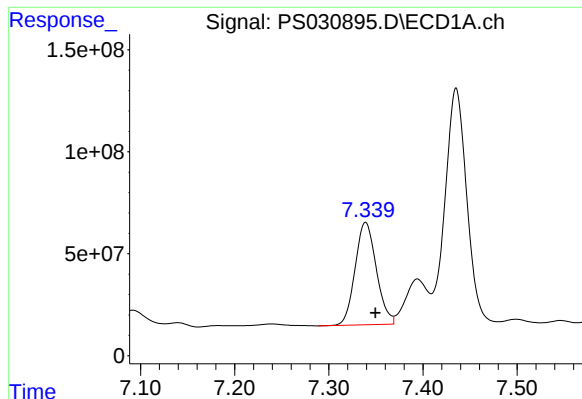
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030895.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 15:35
Operator : AR\AJ
Sample : Q2436-10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-82

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:44:12 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

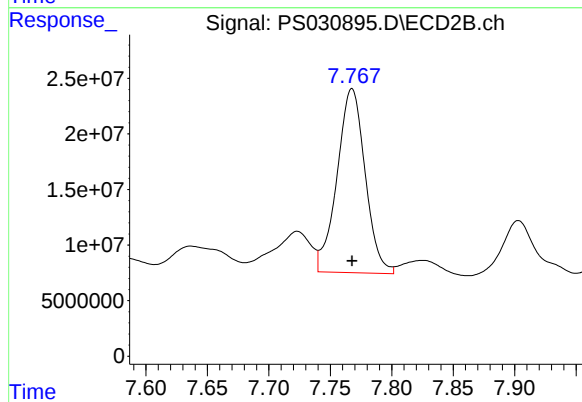




#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.010 min
Response: 788215936
Conc: 214.52 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-82



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 263771369
Conc: 246.06 ng/ml



CALIBRATION SUMMARY

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]

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.: Q2436

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.: Q2436

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

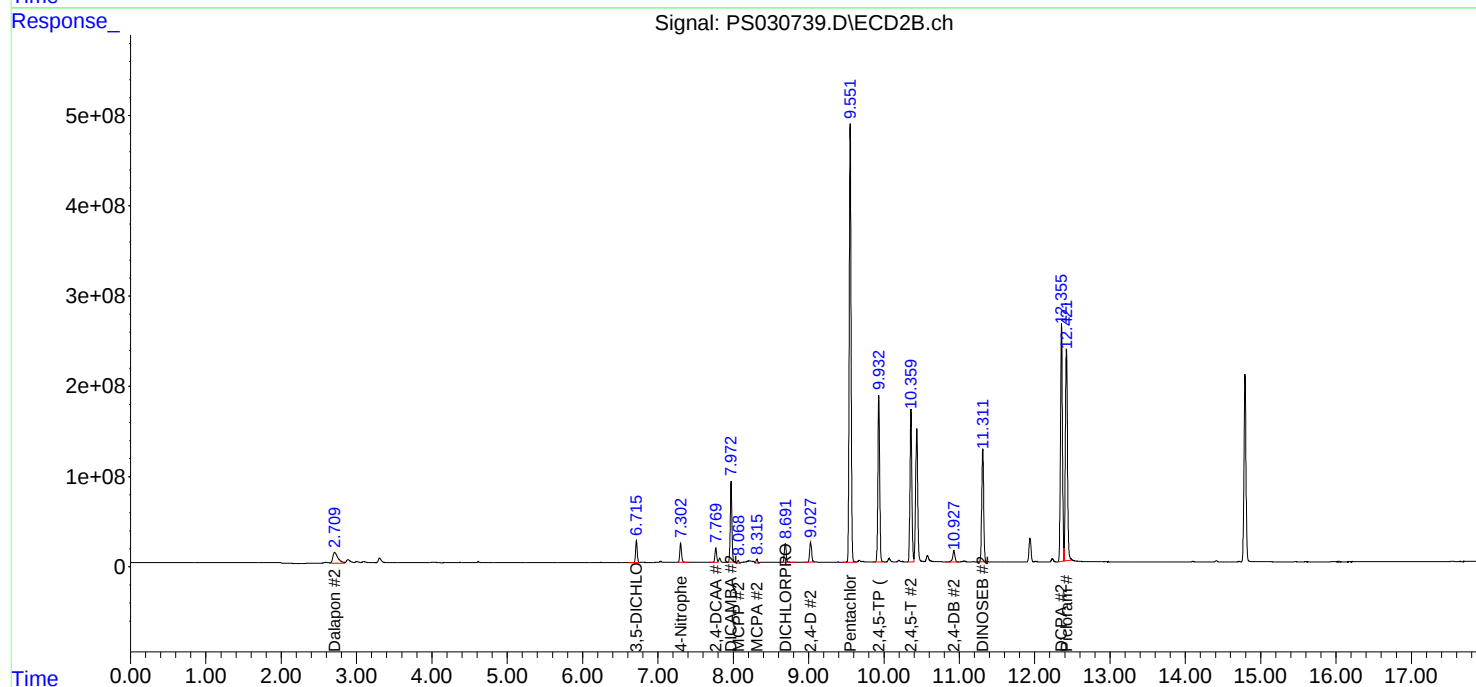
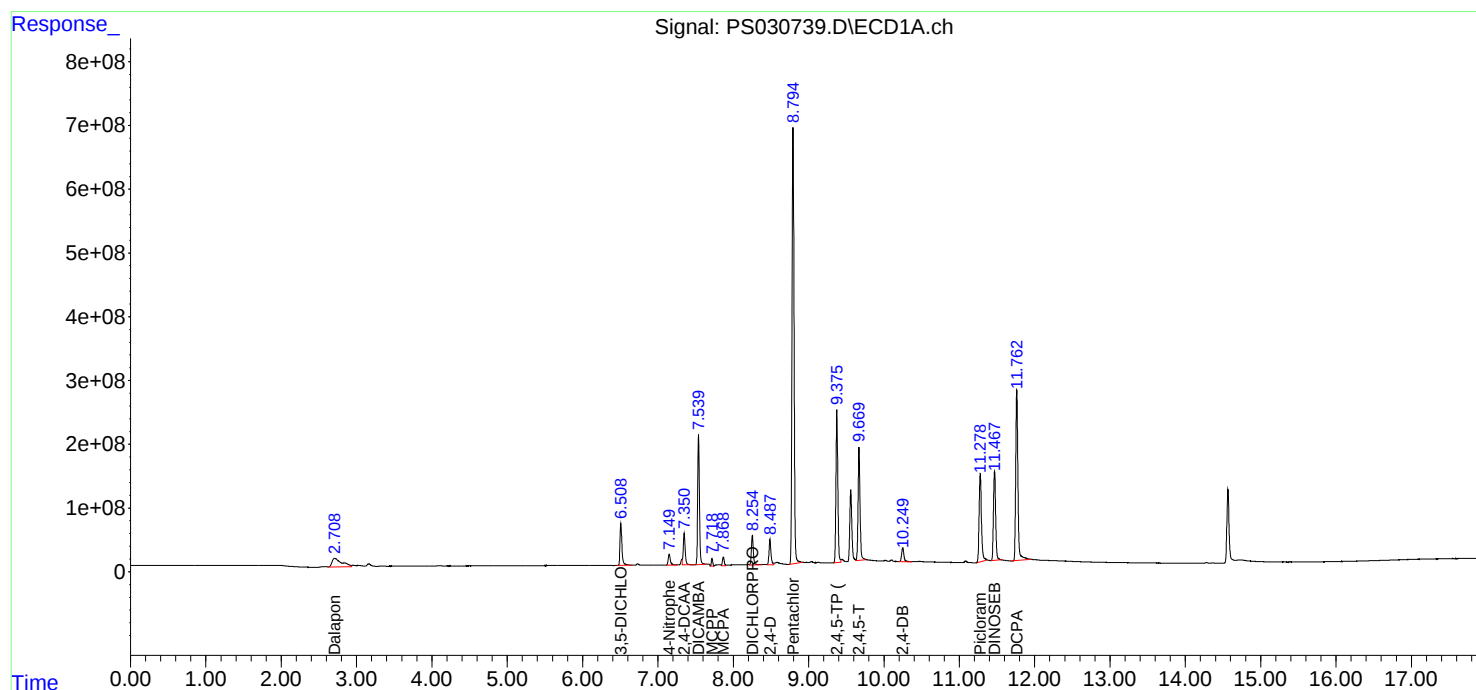
APPROVED

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

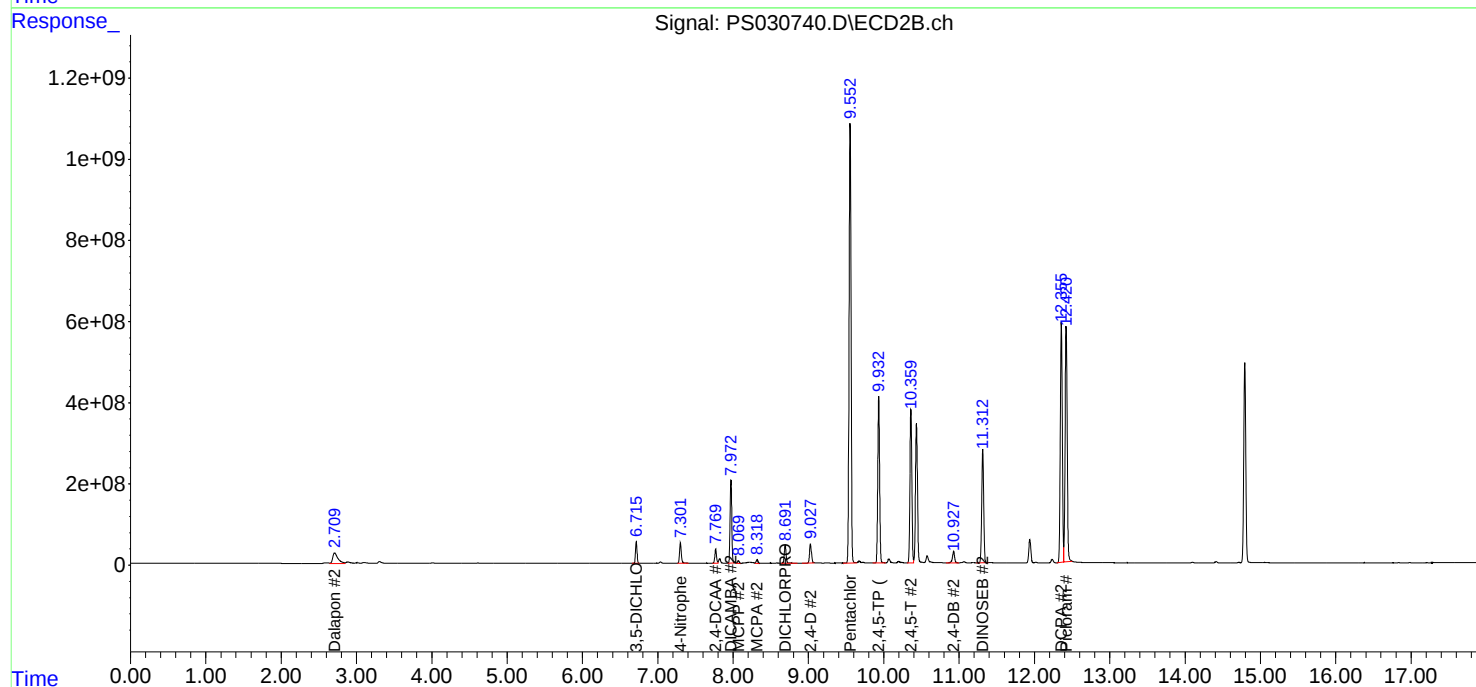
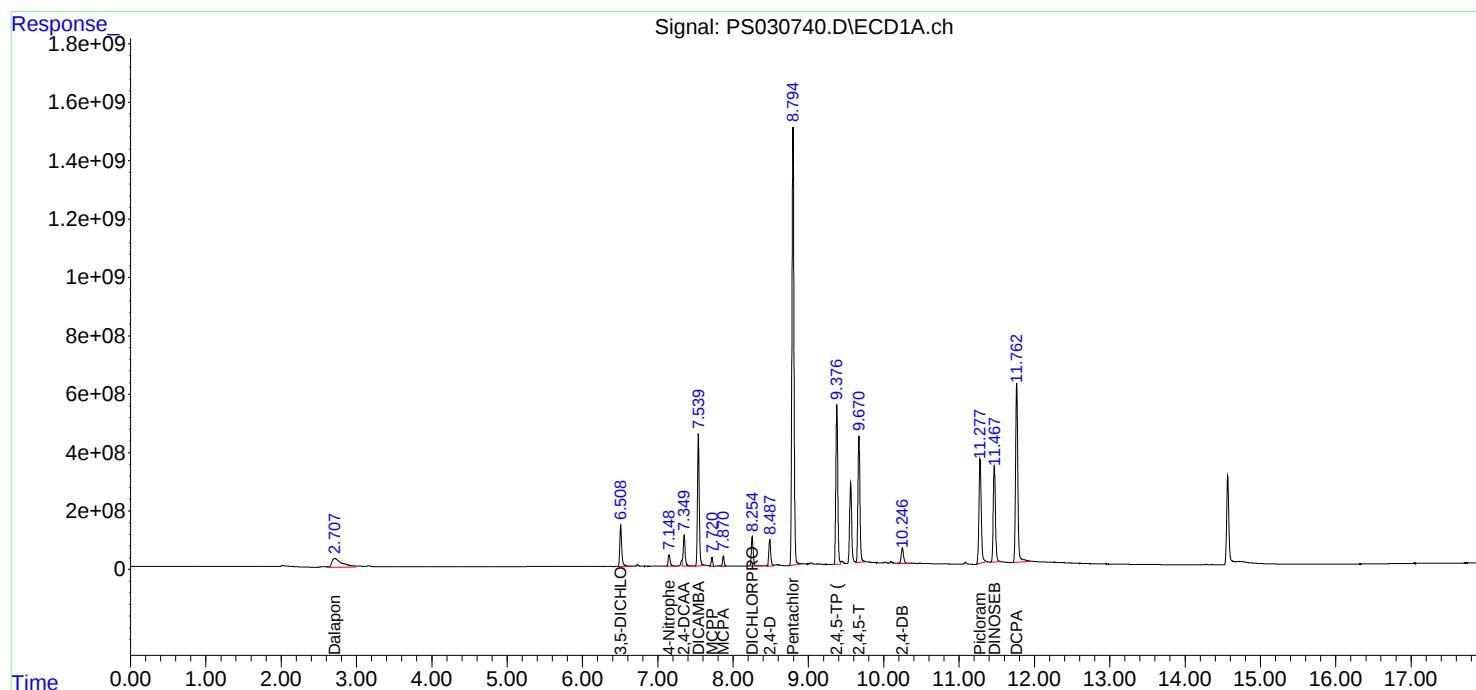
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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	MCP	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

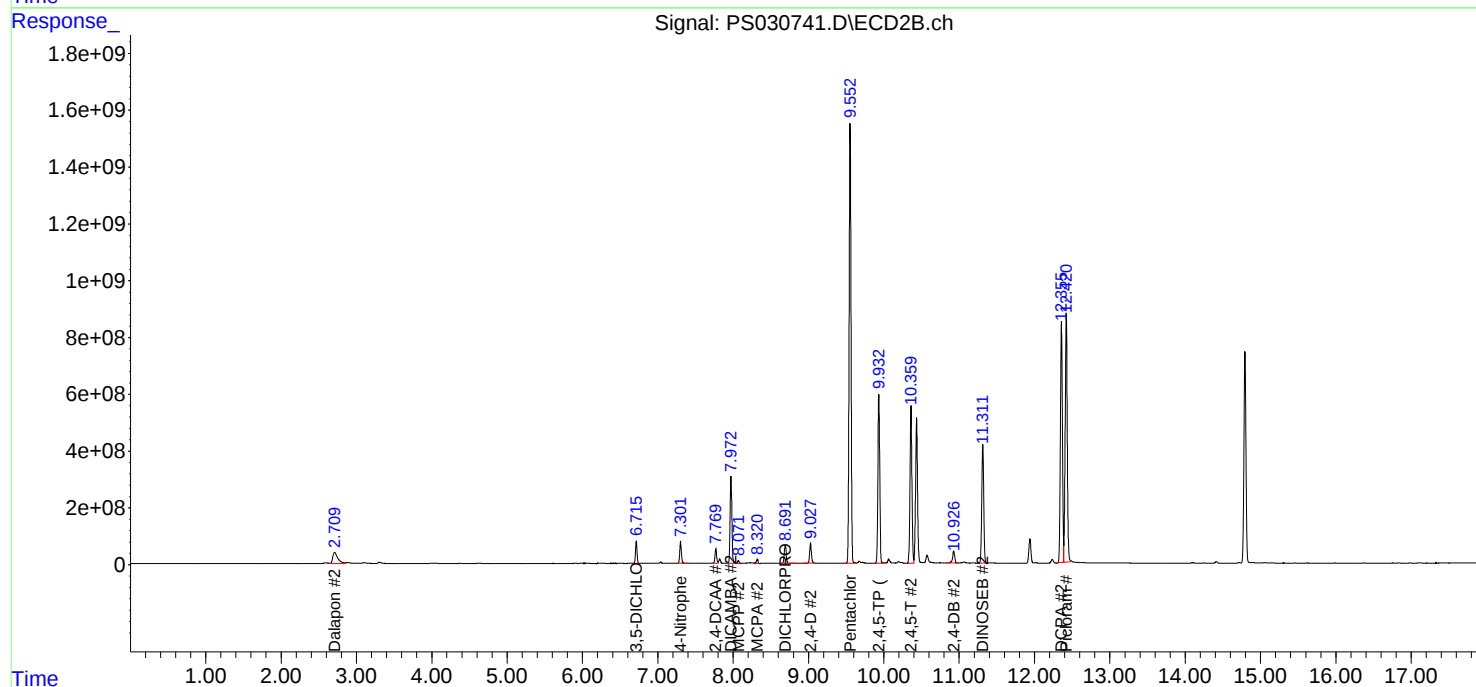
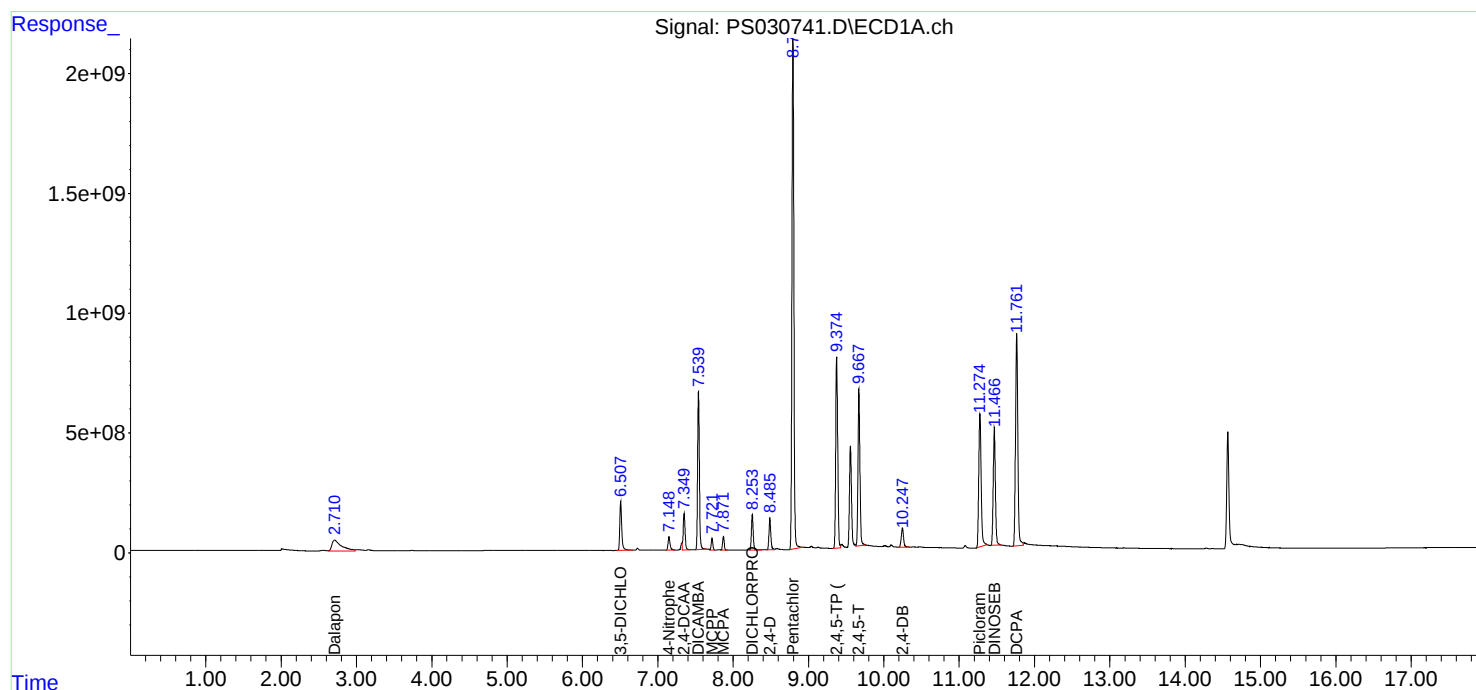
APPROVED

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

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

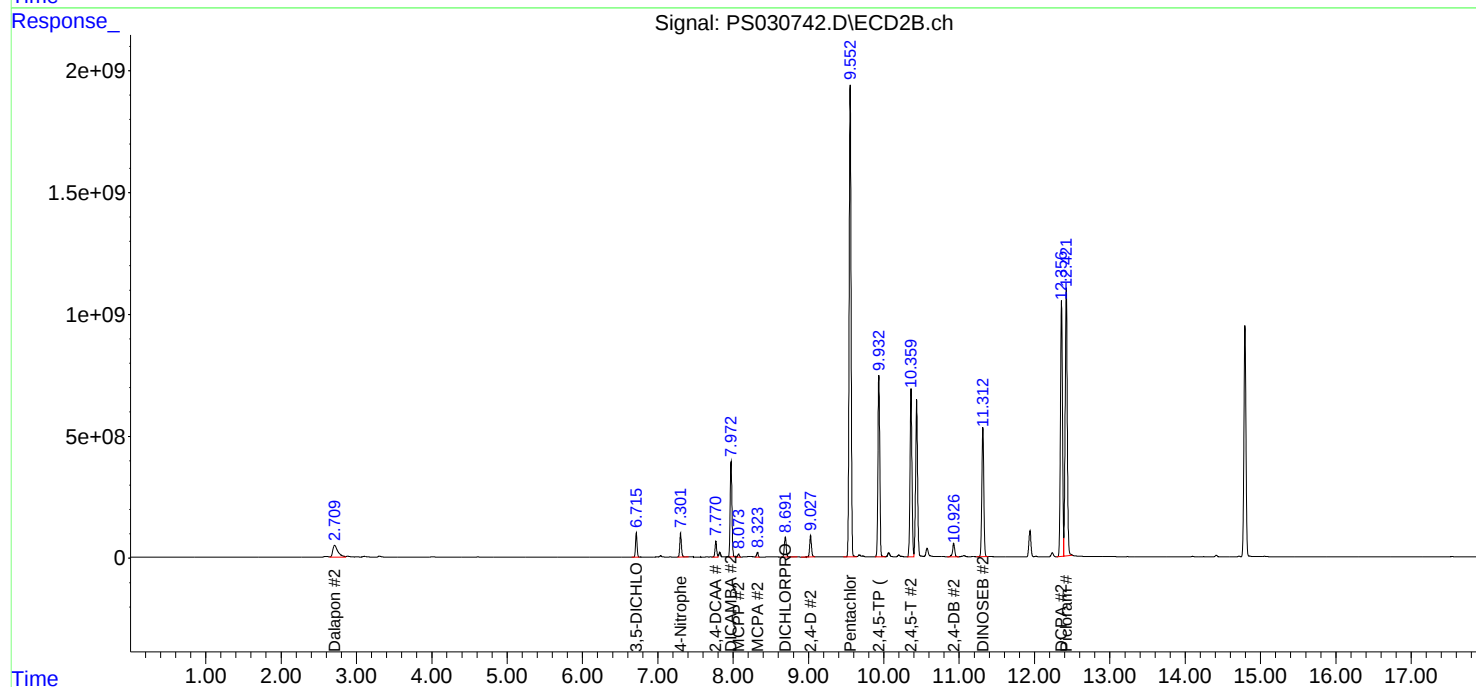
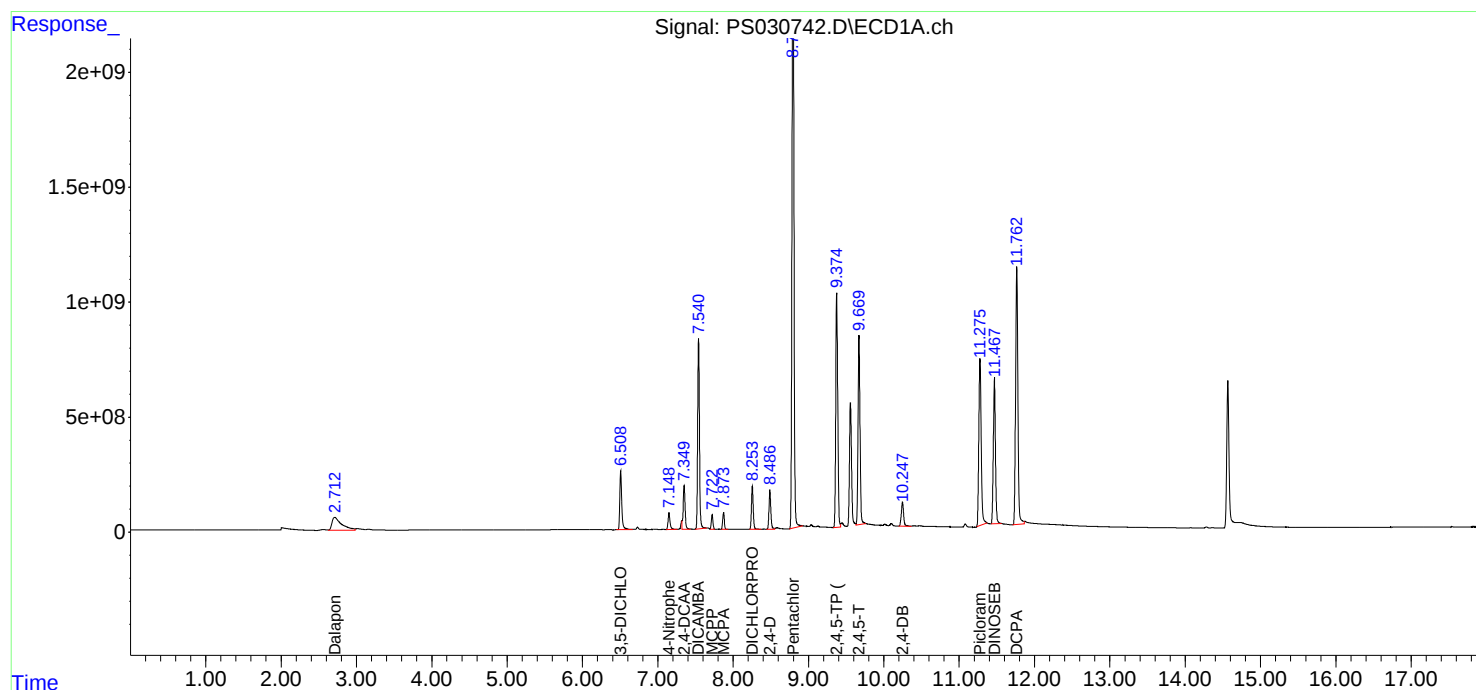
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

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
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 MCPP	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

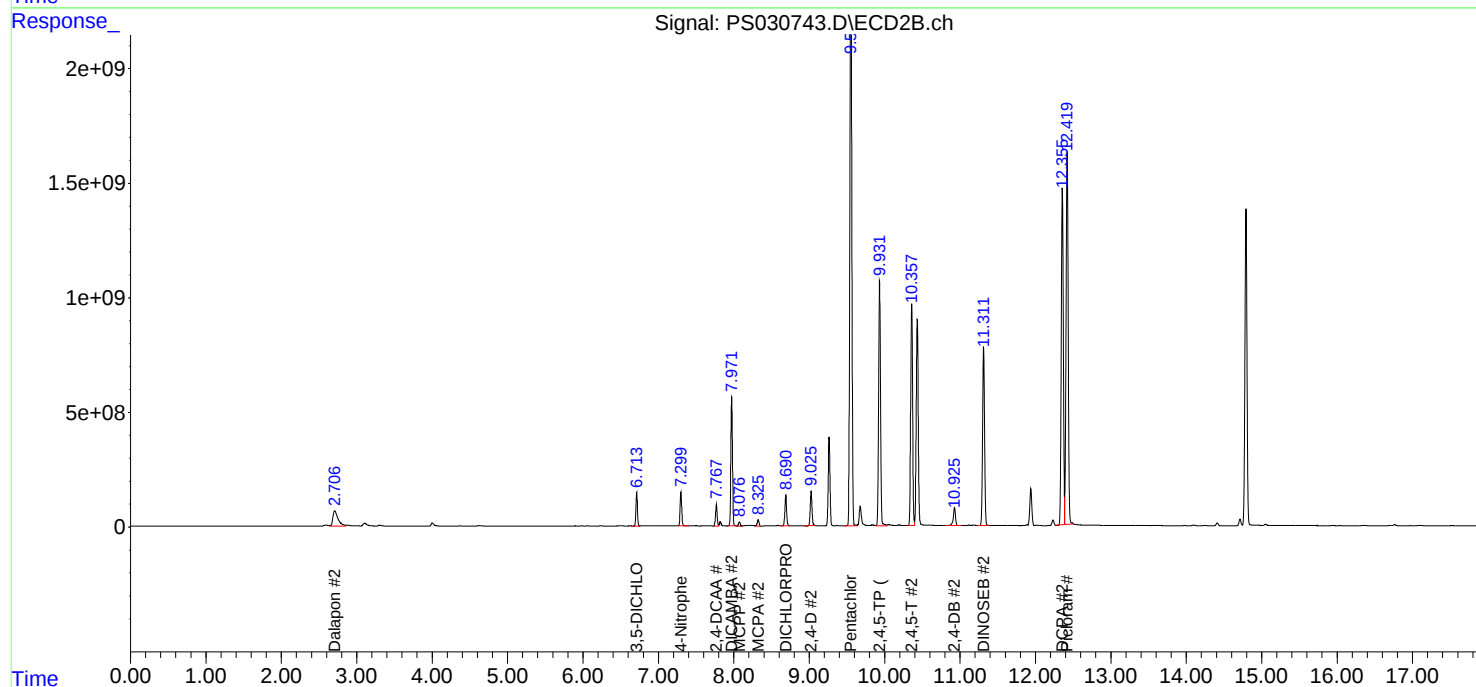
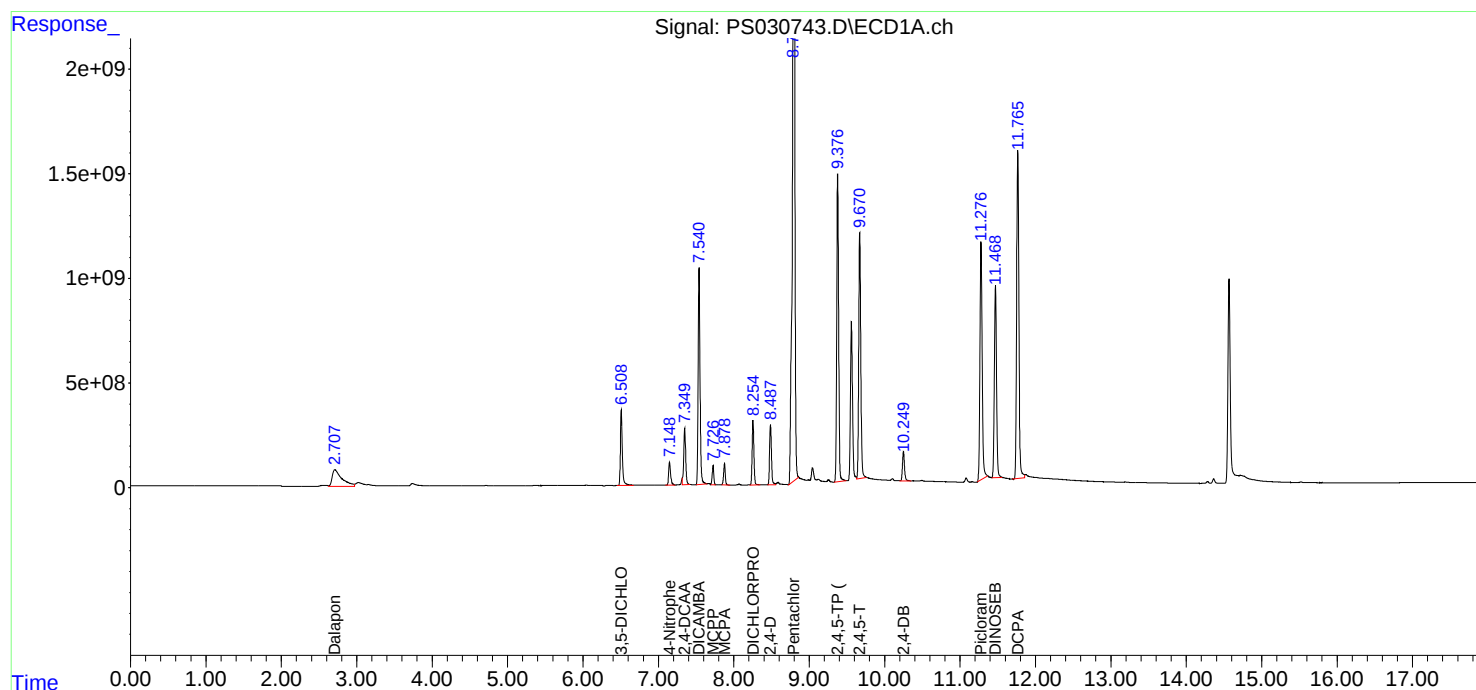
APPROVED

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	MCPD	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

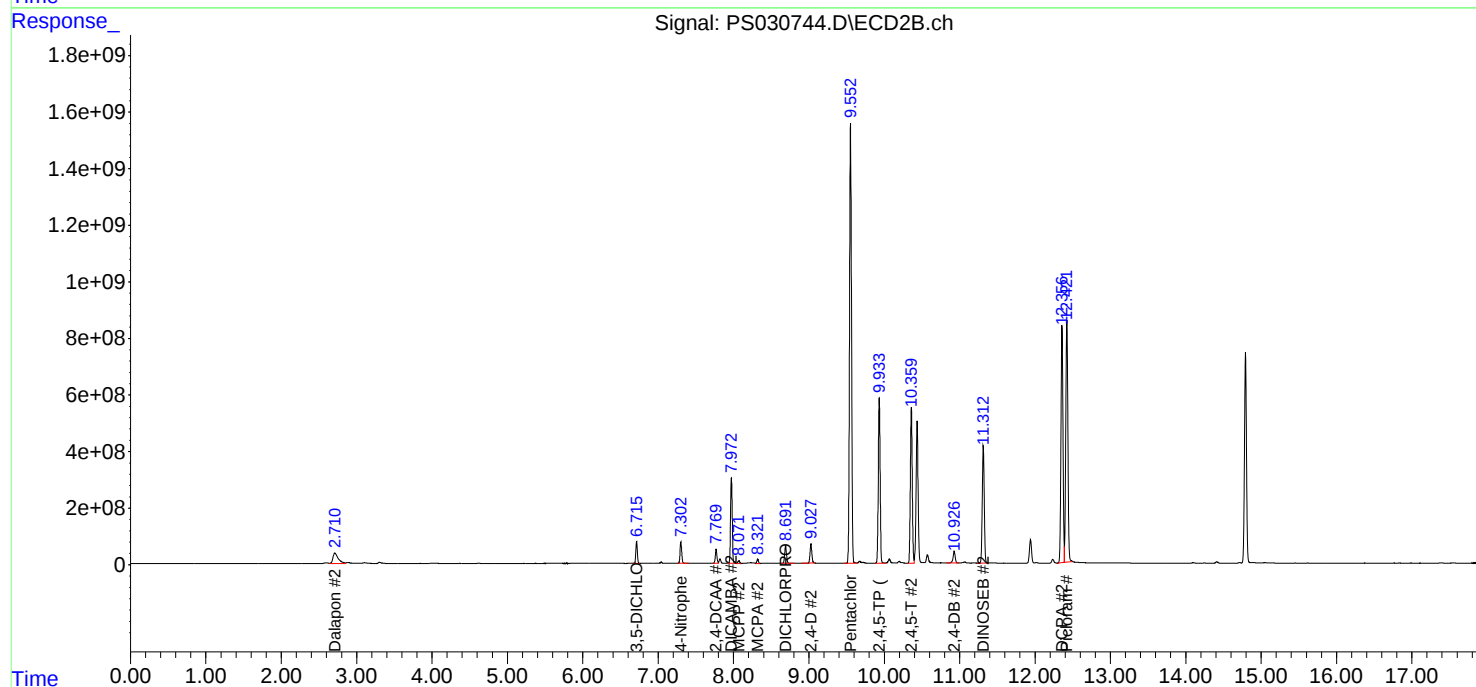
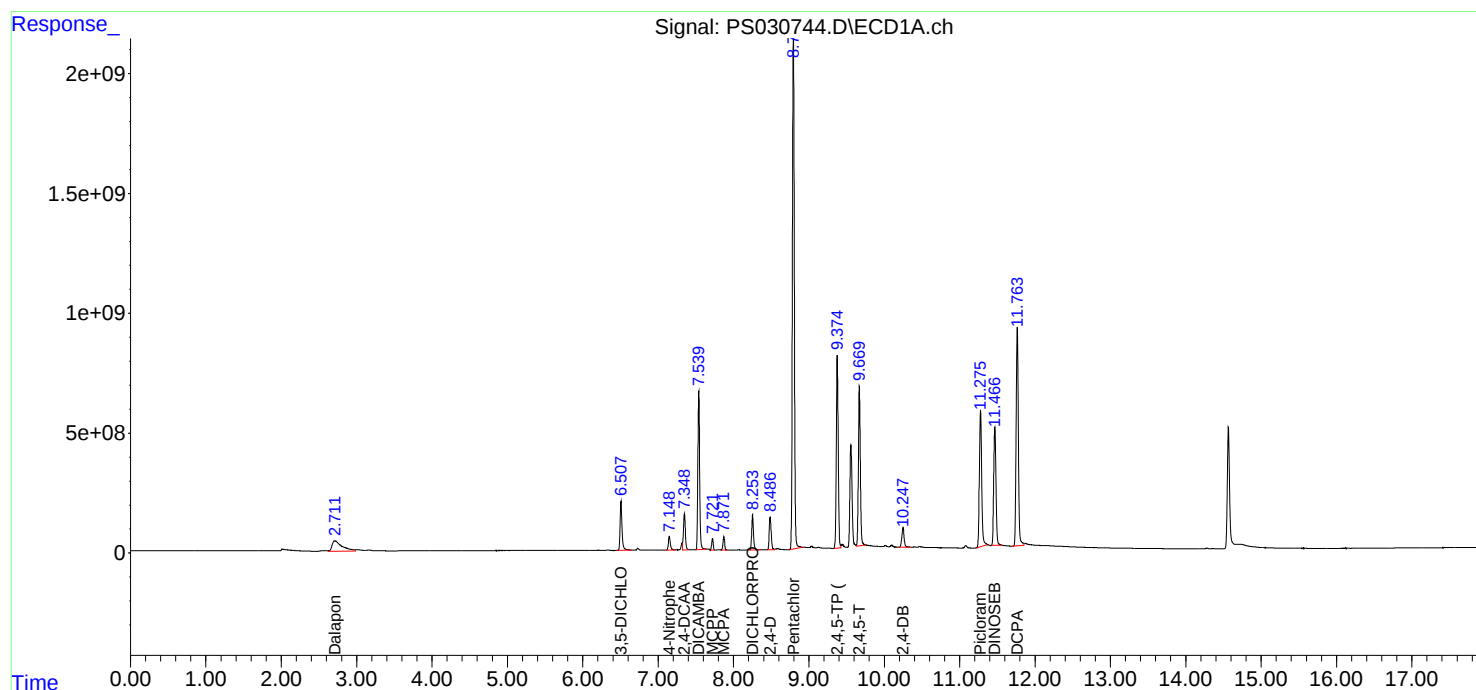
APPROVED

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Continuing Calib Date: 07/02/2025

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

06/18/2025

Continuing Calib Time: 09:56

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	9.66	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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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Continuing Calib Date: 07/02/2025

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

Continuing Calib Time: 09:56

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	0.01
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	10.92	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 Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030881.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.655	9.568	9.768	755.240	712.500	6.0
2,4,5-TP(Silvex)	9.360	9.275	9.475	708.050	712.500	-0.6
2,4-D	8.474	8.386	8.586	682.290	705.000	-3.2
2,4-DB	10.232	10.147	10.347	812.680	712.500	14.1
2,4-DCAA	7.339	7.249	7.449	691.520	750.000	-7.8
DICAMBA	7.529	7.439	7.639	690.430	705.000	-2.1
DICHLORPROP	8.242	8.153	8.353	644.410	705.000	-8.6
Dinoseb	11.448	11.366	11.566	697.130	705.000	-1.1



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030881.D **Time Analyzed:** 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.356	10.259	10.459	675.040	712.500	-5.3
2,4,5-TP(Silvex)	9.930	9.833	10.033	667.540	712.500	-6.3
2,4-D	9.025	8.927	9.127	624.960	705.000	-11.4
2,4-DB	10.924	10.827	11.027	656.470	712.500	-7.9
2,4-DCAA	7.768	7.670	7.870	676.460	750.000	-9.8
DICAMBA	7.971	7.872	8.072	655.070	705.000	-7.1
DICHLORPROP	8.689	8.591	8.791	633.220	705.000	-10.2
Dinoseb	11.309	11.211	11.411	644.720	705.000	-8.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
 Data File : PS030881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 09:56
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:40:08 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	7.339	7.768	2540.9E6	725.1E6	691.518m	676.464
Target Compounds							
1) T	Dalapon	2.704	2.711	3878.8E6	1703.0E6	650.196	621.145
2) T	3,5-DICHL...	6.500	6.715	3554.2E6	1001.4E6	660.940	620.752
3) T	4-Nitroph...	7.139	7.301	1053.1E6	1057.3E6	667.914	609.905
5) T	DICAMBA	7.529	7.971	10504.9E6	4292.8E6	690.429m	655.069
6) T	MCPD	7.710	8.069	672.4E6	148.3E6	71.624m	70.711
7) T	MCPA	7.861	8.318	805.5E6	215.8E6	68.664	68.611
8) T	DICHLORPROP	8.242	8.689	2413.8E6	995.7E6	644.414	633.221
9) T	2,4-D	8.474	9.025	2350.1E6	1062.1E6	682.288	624.960
10) T	Pentachlo...	8.781	9.550	37536.1E6	25968.6E6	709.226	681.195
11) T	2,4,5-TP ...	9.360	9.930	14182.5E6	9631.7E6	708.048	667.537
12) T	2,4,5-T	9.655	10.356	12426.1E6	9224.2E6	755.241	675.045
13) T	2,4-DB	10.232	10.924	1863.9E6	776.5E6	812.680	656.473
14) T	DINOSEB	11.448	11.309	9671.4E6	6950.9E6	697.126m	644.725
15) T	Picloram	11.259	12.418	12577.5E6	15976.8E6	782.373m	687.428
16) T	DCPA	11.745	12.352	18742.8E6	14955.8E6	731.676	678.491m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 09:56
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

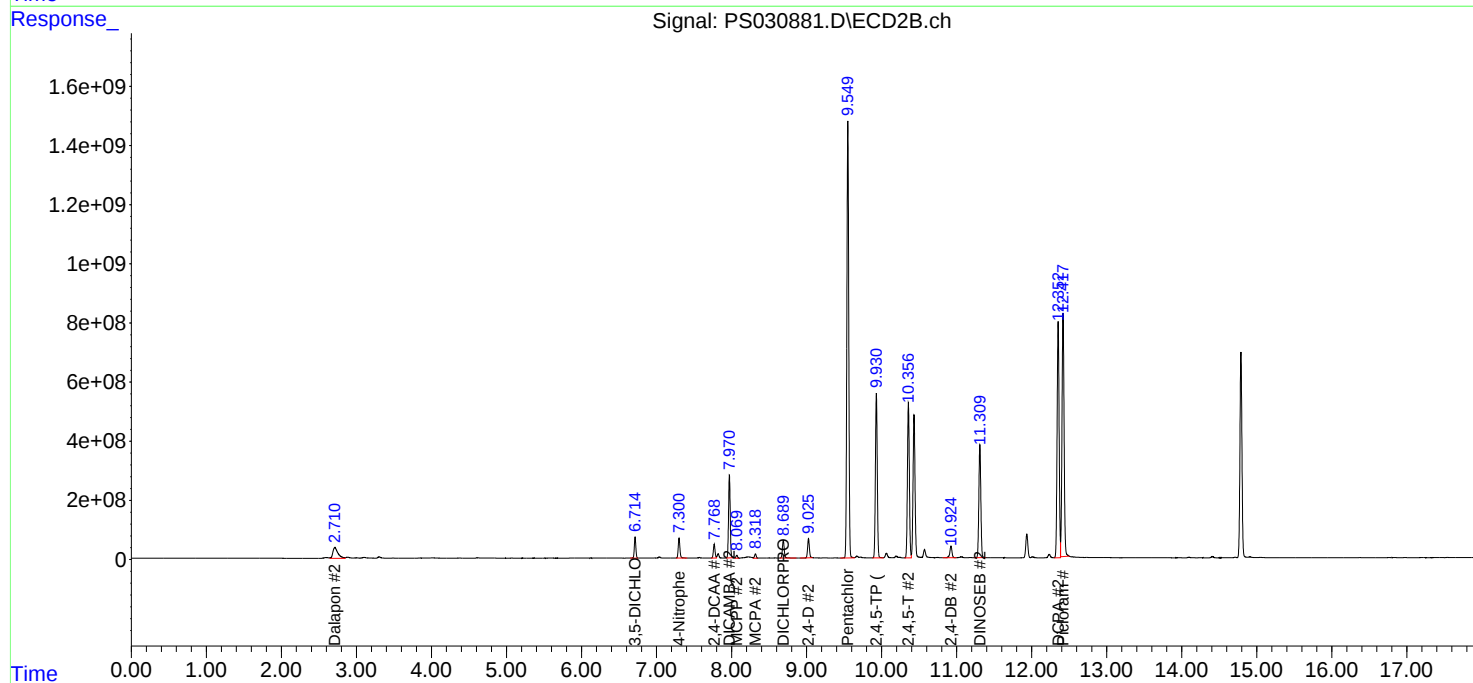
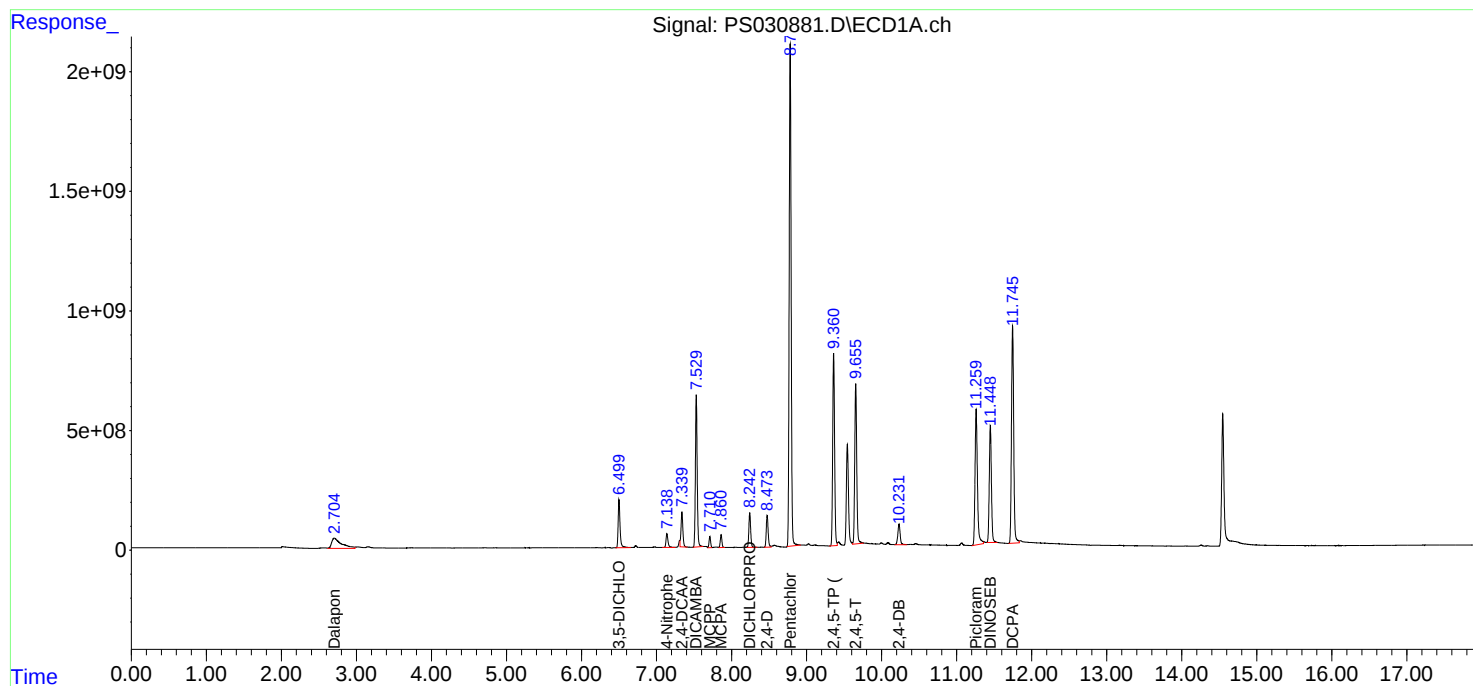
APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:08 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





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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Continuing Calib Date: 07/02/2025

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

Continuing Calib Time: 14:47

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	9.66	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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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Continuing Calib Date: 07/02/2025

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

06/18/2025

Continuing Calib Time: 14:47

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	0.01
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	10.92	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 Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030893.D **Time Analyzed:** 14:47

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.655	9.568	9.768	765.480	712.500	7.4
2,4,5-TP(Silvex)	9.360	9.275	9.475	709.250	712.500	-0.5
2,4-D	8.473	8.386	8.586	688.390	705.000	-2.4
2,4-DB	10.233	10.147	10.347	807.800	712.500	13.4
2,4-DCAA	7.338	7.249	7.449	711.720	750.000	-5.1
DICAMBA	7.528	7.439	7.639	661.150	705.000	-6.2
DICHLORPROP	8.242	8.153	8.353	641.370	705.000	-9.0
Dinoseb	11.450	11.366	11.566	683.640	705.000	-3.0



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030893.D **Time Analyzed:** 14:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.356	10.259	10.459	682.460	712.500	-4.2
2,4,5-TP(Silvex)	9.931	9.833	10.033	669.160	712.500	-6.1
2,4-D	9.025	8.927	9.127	632.690	705.000	-10.3
2,4-DB	10.924	10.827	11.027	653.090	712.500	-8.3
2,4-DCAA	7.768	7.670	7.870	683.580	750.000	-8.9
DICAMBA	7.970	7.872	8.072	664.460	705.000	-5.8
DICHLORPROP	8.690	8.591	8.791	628.270	705.000	-10.9
Dinoseb	11.310	11.211	11.411	625.550	705.000	-11.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
 Data File : PS030893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 14:47
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:43:38 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	7.338	7.768	2615.1E6	732.8E6	711.715m	683.578
Target Compounds							
1) T	Dalapon	2.706	2.712	3787.5E6	1718.8E6	634.884	626.904
2) T	3,5-DICHL...	6.499	6.714	3555.5E6	1020.8E6	661.176	632.794
3) T	4-Nitroph...	7.138	7.300	1029.3E6	1047.5E6	652.783	604.252
5) T	DICAMBA	7.528	7.970	10059.4E6	4354.3E6	661.148	664.457
6) T	MCPD	7.709	8.069	699.0E6	146.6E6	74.455m	69.894
7) T	MCPA	7.860	8.318	806.2E6	213.1E6	68.726	67.738
8) T	DICHLORPROP	8.242	8.690	2402.4E6	987.9E6	641.367	628.267
9) T	2,4-D	8.473	9.025	2371.1E6	1075.2E6	688.394	632.689
10) T	Pentachlo...	8.781	9.550	37281.5E6	26026.6E6	704.416	682.716
11) T	2,4,5-TP ...	9.360	9.931	14206.6E6	9655.0E6	709.250	669.156
12) T	2,4,5-T	9.655	10.356	12594.5E6	9325.5E6	765.476	682.457
13) T	2,4-DB	10.233	10.924	1852.7E6	772.5E6	807.803m	653.092
14) T	DINOSEB	11.450	11.310	9484.3E6	6744.2E6	683.640m	625.548
15) T	Picloram	11.261	12.419	12824.2E6	16245.6E6	797.715m	698.994
16) T	DCPA	11.746	12.353	18359.2E6	14950.5E6	716.700m	678.250m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 14:47
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

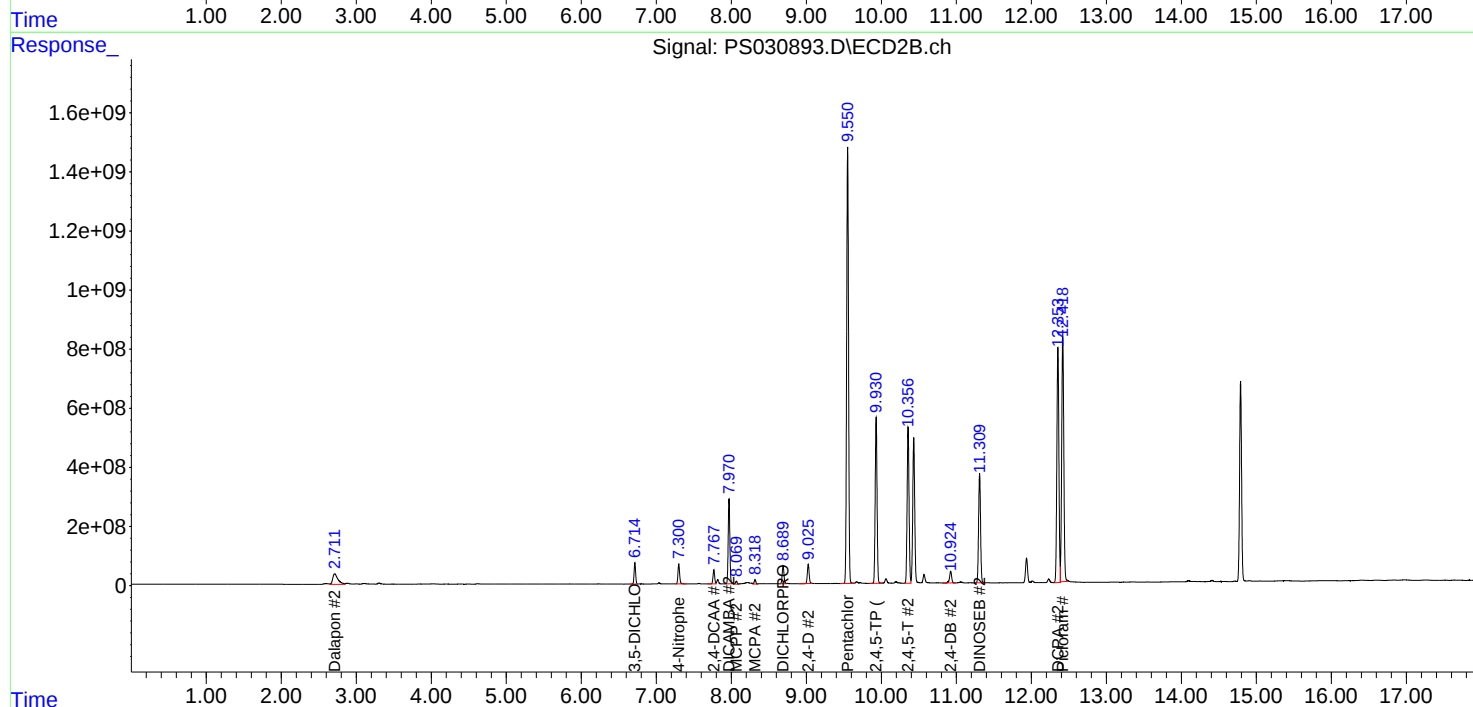
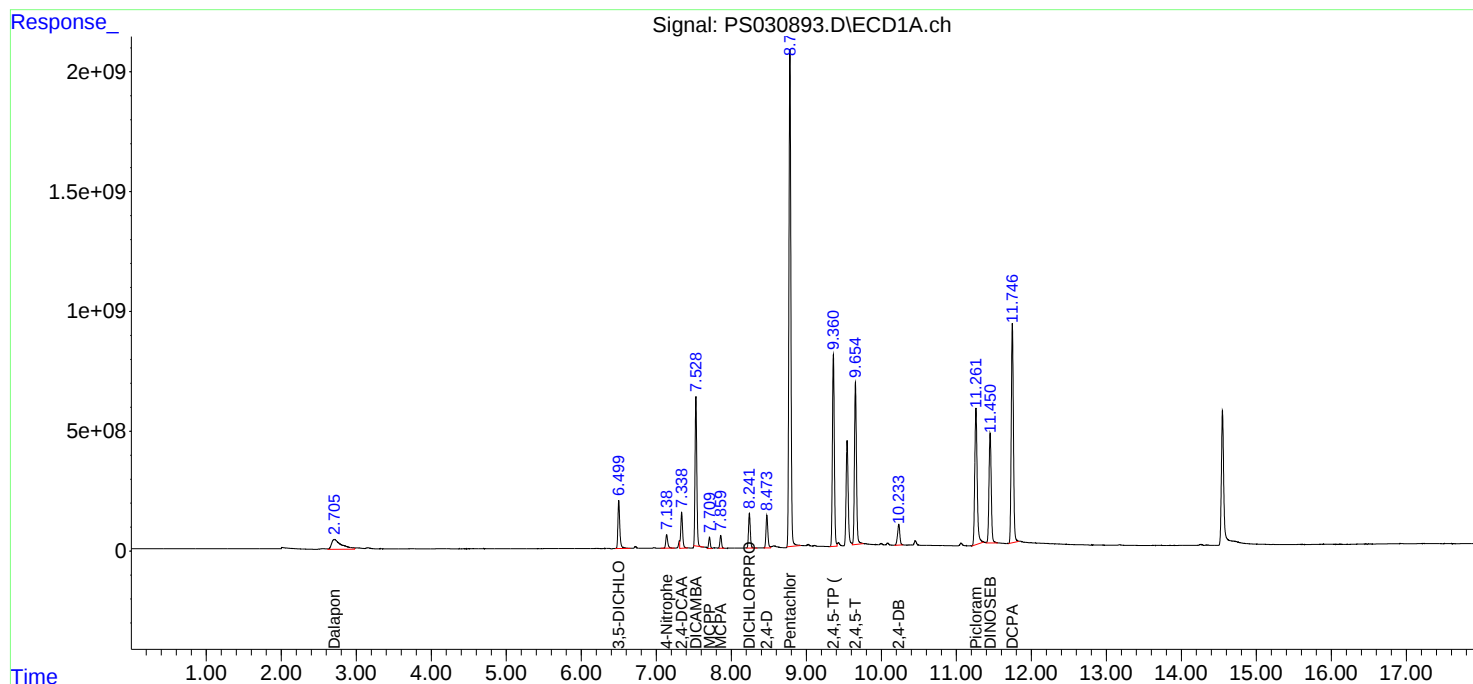
APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:43:38 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2436

Continuing Calib Date: 07/02/2025

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

06/18/2025

Continuing Calib Time: 17:17

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	9.66	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.: Q2436

Continuing Calib Date: 07/02/2025

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

06/18/2025

Continuing Calib Time: 17:17

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	10.36	10.36	10.26	10.46	0.00
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 Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030899.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.655	9.568	9.768	769.470	712.500	8.0
2,4,5-TP(Silvex)	9.360	9.275	9.475	715.120	712.500	0.4
2,4-D	8.473	8.386	8.586	691.350	705.000	-1.9
2,4-DB	10.231	10.147	10.347	804.090	712.500	12.9
2,4-DCAA	7.339	7.249	7.449	709.980	750.000	-5.3
DICAMBA	7.528	7.439	7.639	692.000	705.000	-1.8
DICHLORPROP	8.241	8.153	8.353	647.910	705.000	-8.1
Dinoseb	11.449	11.366	11.566	707.210	705.000	0.3



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance Group **Contract:** CAMP02
Lab Code: CHEM **SDG NO.:** Q2436
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/02/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030899.D **Time Analyzed:** 17:17

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.356	10.259	10.459	687.900	712.500	-3.5
2,4,5-TP(Silvex)	9.930	9.833	10.033	678.240	712.500	-4.8
2,4-D	9.024	8.927	9.127	640.000	705.000	-9.2
2,4-DB	10.923	10.827	11.027	660.360	712.500	-7.3
2,4-DCAA	7.767	7.670	7.870	686.620	750.000	-8.5
DICAMBA	7.970	7.872	8.072	667.720	705.000	-5.3
DICHLORPROP	8.689	8.591	8.791	643.660	705.000	-8.7
Dinoseb	11.308	11.211	11.411	657.150	705.000	-6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
 Data File : PS030899.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 17:17
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:45:22 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	7.339	7.767	2608.7E6	736.0E6	709.979m	686.619
Target Compounds							
1) T	Dalapon	2.704	2.711	3865.4E6	1749.9E6	647.940	638.251
2) T	3,5-DICHL...	6.499	6.714	3596.1E6	1023.1E6	668.729	634.233
3) T	4-Nitroph...	7.138	7.300	1069.4E6	1072.1E6	678.217	618.473
5) T	DICAMBA	7.528	7.970	10528.8E6	4375.7E6	691.996m	667.723
6) T	MCPD	7.709	8.069	702.6E6	148.2E6	74.833m	70.665
7) T	MCPA	7.860	8.317	814.7E6	217.8E6	69.454	69.226
8) T	DICHLORPROP	8.241	8.689	2426.9E6	1012.1E6	647.913	643.657
9) T	2,4-D	8.473	9.024	2381.3E6	1087.6E6	691.348	640.003
10) T	Pentachlo...	8.780	9.549	37618.5E6	26376.3E6	710.783	691.891
11) T	2,4,5-TP ...	9.360	9.930	14324.1E6	9786.2E6	715.119	678.242
12) T	2,4,5-T	9.655	10.356	12660.2E6	9399.9E6	769.468	687.901
13) T	2,4-DB	10.231	10.923	1844.2E6	781.1E6	804.091m	660.356
14) T	DINOSEB	11.449	11.308	9811.3E6	7084.9E6	707.213m	657.149
15) T	Picloram	11.260	12.418	12709.2E6	16159.9E6	790.567m	695.306
16) T	DCPA	11.745	12.352	18889.6E6	15126.1E6	737.407	686.216m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030899.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 17:17
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

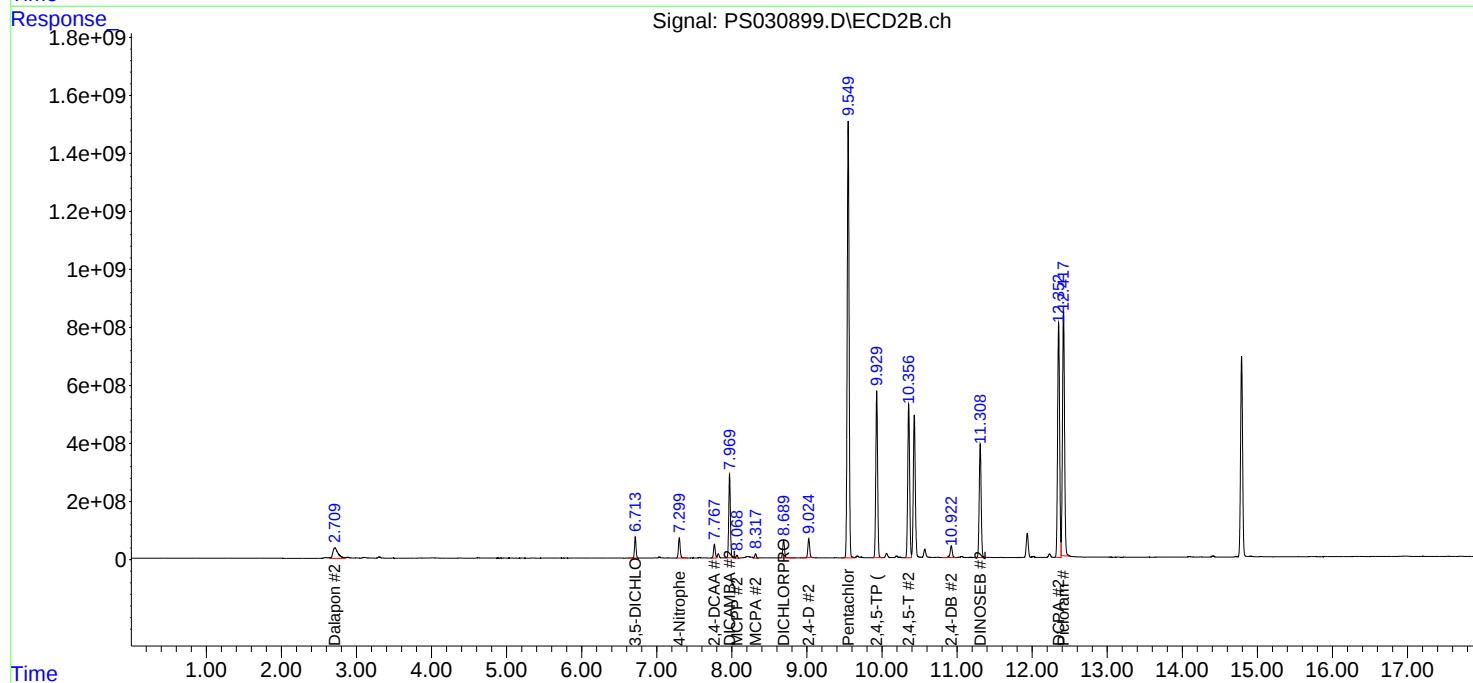
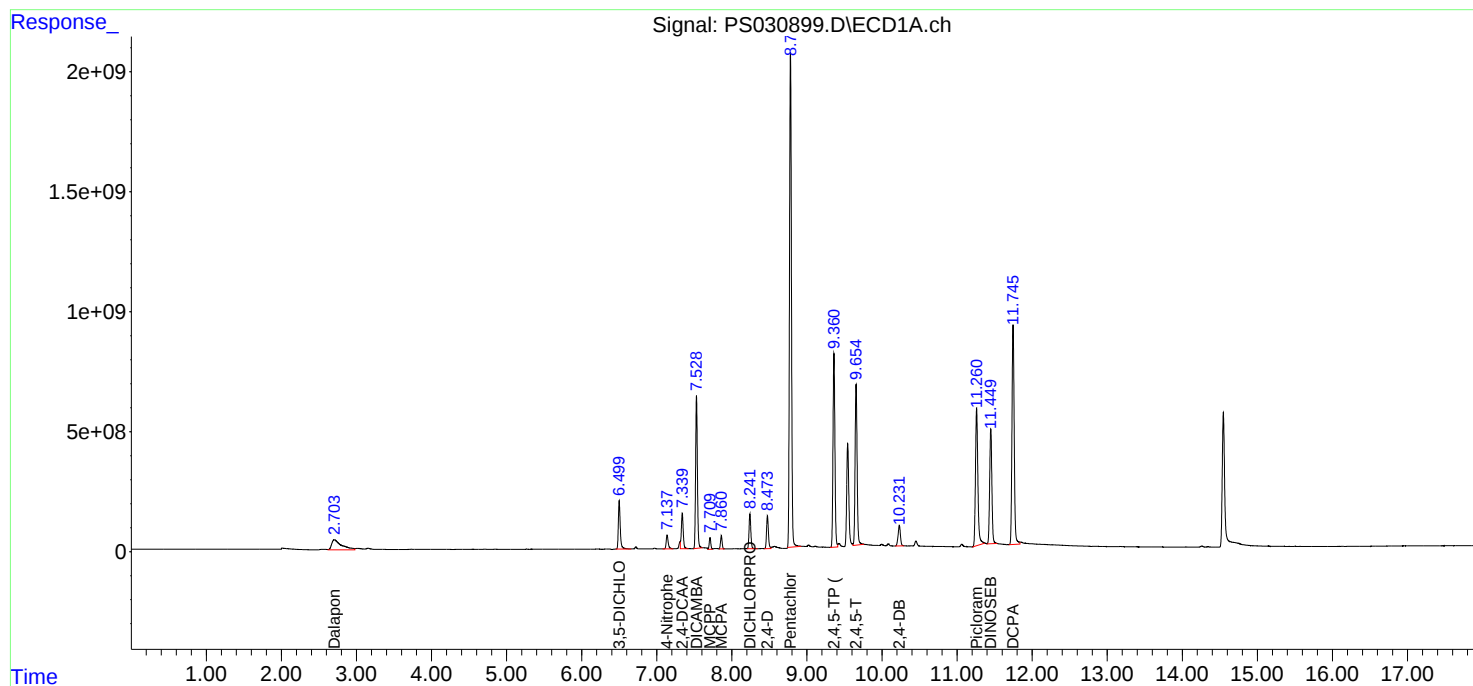
APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:45:22 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



Analytical Sequence

Client: CDM Smith	SDG No.: Q2436
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	07/02/2025	09:32	PS030880.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	09:56	PS030881.D	7.34	0.00
PB168675BL	PB168675BL	07/02/2025	10:21	PS030882.D	7.34	0.00
PB168675BS	PB168675BS	07/02/2025	10:45	PS030883.D	7.34	0.00
TP-70	Q2436-01	07/02/2025	11:09	PS030884.D	7.34	0.00
TP-69	Q2436-02	07/02/2025	11:33	PS030885.D	7.34	0.00
TP-85	Q2436-03	07/02/2025	11:57	PS030886.D	7.34	0.00
TP-86	Q2436-04	07/02/2025	12:22	PS030887.D	7.34	0.00
TP-84	Q2436-05	07/02/2025	12:46	PS030888.D	7.34	0.00
TP-83	Q2436-06	07/02/2025	13:10	PS030889.D	7.34	0.00
TP-87	Q2436-07	07/02/2025	13:34	PS030890.D	7.34	0.00
TP-100	Q2436-08	07/02/2025	13:58	PS030891.D	7.34	0.00
IBLK	IBLK	07/02/2025	14:23	PS030892.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	14:47	PS030893.D	7.34	0.00
TP-99	Q2436-09	07/02/2025	15:11	PS030894.D	7.34	0.00
TP-82	Q2436-10	07/02/2025	15:35	PS030895.D	7.34	0.00
TP-82MS	Q2436-10MS	07/02/2025	15:59	PS030896.D	7.34	0.00
TP-82MSD	Q2436-10MSD	07/02/2025	16:24	PS030897.D	7.34	0.00
IBLK	IBLK	07/02/2025	16:53	PS030898.D	7.34	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	17:17	PS030899.D	7.34	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2436
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	07/02/2025	09:32	PS030880.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	09:56	PS030881.D	7.77	0.00
PB168675BL	PB168675BL	07/02/2025	10:21	PS030882.D	7.77	0.00
PB168675BS	PB168675BS	07/02/2025	10:45	PS030883.D	7.77	0.00
TP-70	Q2436-01	07/02/2025	11:09	PS030884.D	7.77	0.00
TP-69	Q2436-02	07/02/2025	11:33	PS030885.D	7.77	0.00
TP-85	Q2436-03	07/02/2025	11:57	PS030886.D	7.77	0.00
TP-86	Q2436-04	07/02/2025	12:22	PS030887.D	7.77	0.00
TP-84	Q2436-05	07/02/2025	12:46	PS030888.D	7.77	0.00
TP-83	Q2436-06	07/02/2025	13:10	PS030889.D	7.77	0.00
TP-87	Q2436-07	07/02/2025	13:34	PS030890.D	7.77	0.00
TP-100	Q2436-08	07/02/2025	13:58	PS030891.D	7.77	0.00
IBLK	IBLK	07/02/2025	14:23	PS030892.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	14:47	PS030893.D	7.77	0.00
TP-99	Q2436-09	07/02/2025	15:11	PS030894.D	7.77	0.00
TP-82	Q2436-10	07/02/2025	15:35	PS030895.D	7.77	0.00
TP-82MS	Q2436-10MS	07/02/2025	15:59	PS030896.D	7.77	0.00
TP-82MSD	Q2436-10MSD	07/02/2025	16:24	PS030897.D	7.77	0.00
IBLK	IBLK	07/02/2025	16:53	PS030898.D	7.77	0.00
PSTDCCC750	PSTDCCC750	07/02/2025	17:17	PS030899.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168675BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436 SDG NO.: Q2436

Lab Sample ID: PB168675BS

Date(s) Analyzed: 07/02/2025 07/02/2025

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	9.66	9.61	9.71	173	7.8
	2	10.36	10.31	10.41	160	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	169	5.5
	2	9.93	9.88	9.98	160	
2,4-D	1	8.48	8.43	8.53	160	5.8
	2	9.03	8.98	9.08	151	
2,4-DB	1	10.23	10.18	10.28	180	13.6
	2	10.93	10.88	10.98	157	
DICHLORPROP	1	8.24	8.19	8.29	157	1.9
	2	8.69	8.64	8.74	154	
Dinoseb	1	11.45	11.40	11.50	165	7.5
	2	11.31	11.26	11.36	153	
DICAMBA	1	7.53	7.48	7.58	161	3.2
	2	7.97	7.92	8.02	156	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-82MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436

SDG NO.: Q2436

Lab Sample ID: Q2436-10MS

Date(s) Analyzed: 07/02/2025 07/02/2025

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	121	2.4
	2	8.69	8.64	8.74	124	
2,4-D	1	8.48	8.43	8.53	132	5.4
	2	9.03	8.98	9.08	125	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	119	1.7
	2	9.93	9.88	9.98	117	
2,4,5-T	1	9.66	9.61	9.71	120	4.3
	2	10.36	10.31	10.41	115	
2,4-DB	1	10.23	10.18	10.28	108	7.1
	2	10.92	10.87	10.97	116	
Dinoseb	1	11.45	11.40	11.50	18.7	96
	2	11.32	11.27	11.37	53.2	
DICAMBA	1	7.53	7.48	7.58	68.4	3
	2	7.97	7.92	8.02	66.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-82MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2436

SAS No.: Q2436

SDG NO.: Q2436

Lab Sample ID: Q2436-10MSD

Date(s) Analyzed: 07/02/2025 07/02/2025

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	9.66	9.61	9.71	116	2.6
	2	10.36	10.31	10.41	113	
DICHLORPROP	1	8.24	8.19	8.29	120	10.5
	2	8.69	8.64	8.74	108	
2,4-D	1	8.47	8.42	8.52	128	4
	2	9.03	8.98	9.08	123	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	118	2.6
	2	9.93	9.88	9.98	115	
2,4-DB	1	10.23	10.18	10.28	107	6.3
	2	10.92	10.87	10.97	114	
DICAMBA	1	7.53	7.48	7.58	66.8	2.9
	2	7.97	7.92	8.02	64.9	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168675BL	SDG No.:	Q2436
Lab Sample ID:	PB168675BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030882.D	1	07/01/25 10:00	07/02/25 10:21	PB168675

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	407		10 - 141	81%	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\PS070225\
Data File : PS030882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 10:21
Operator : AR\AJ
Sample : PB168675BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168675BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:26 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	7.340	7.767	1176.4E6	435.9E6	320.165	406.656 #

Target Compounds

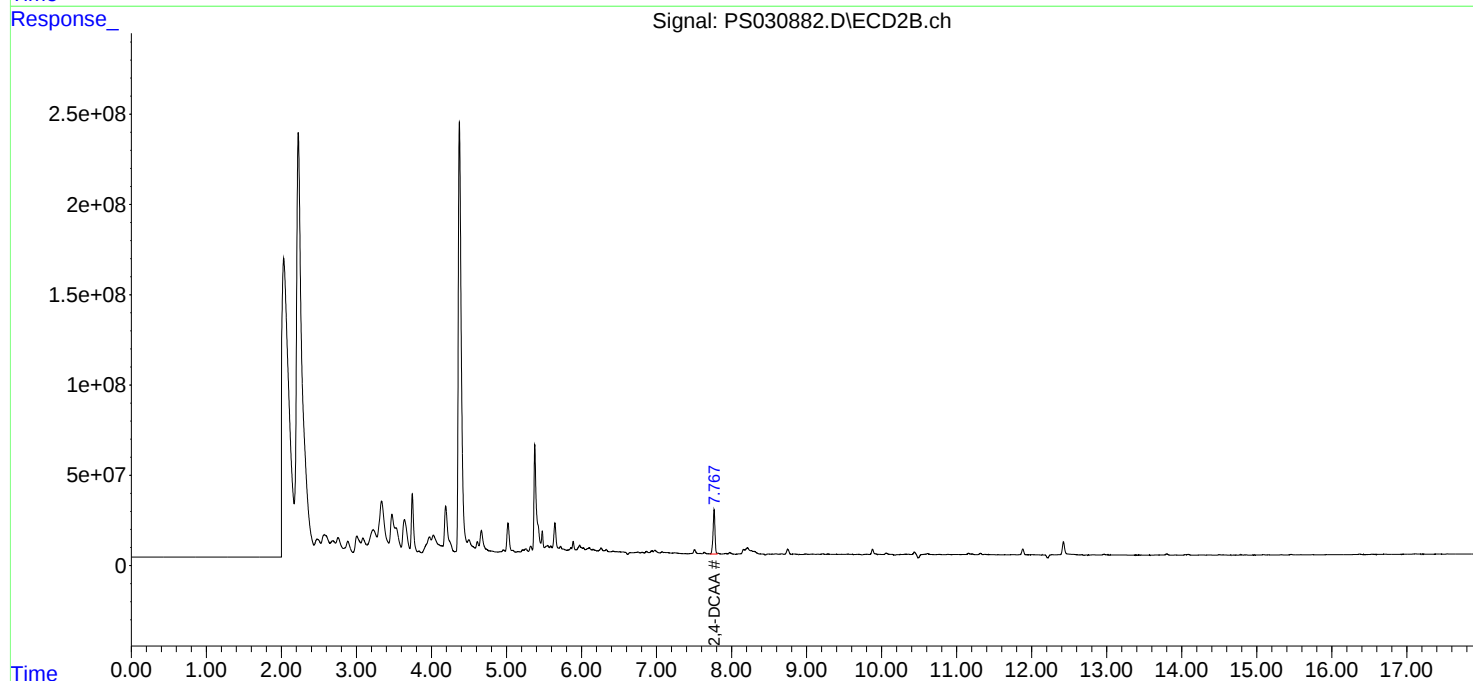
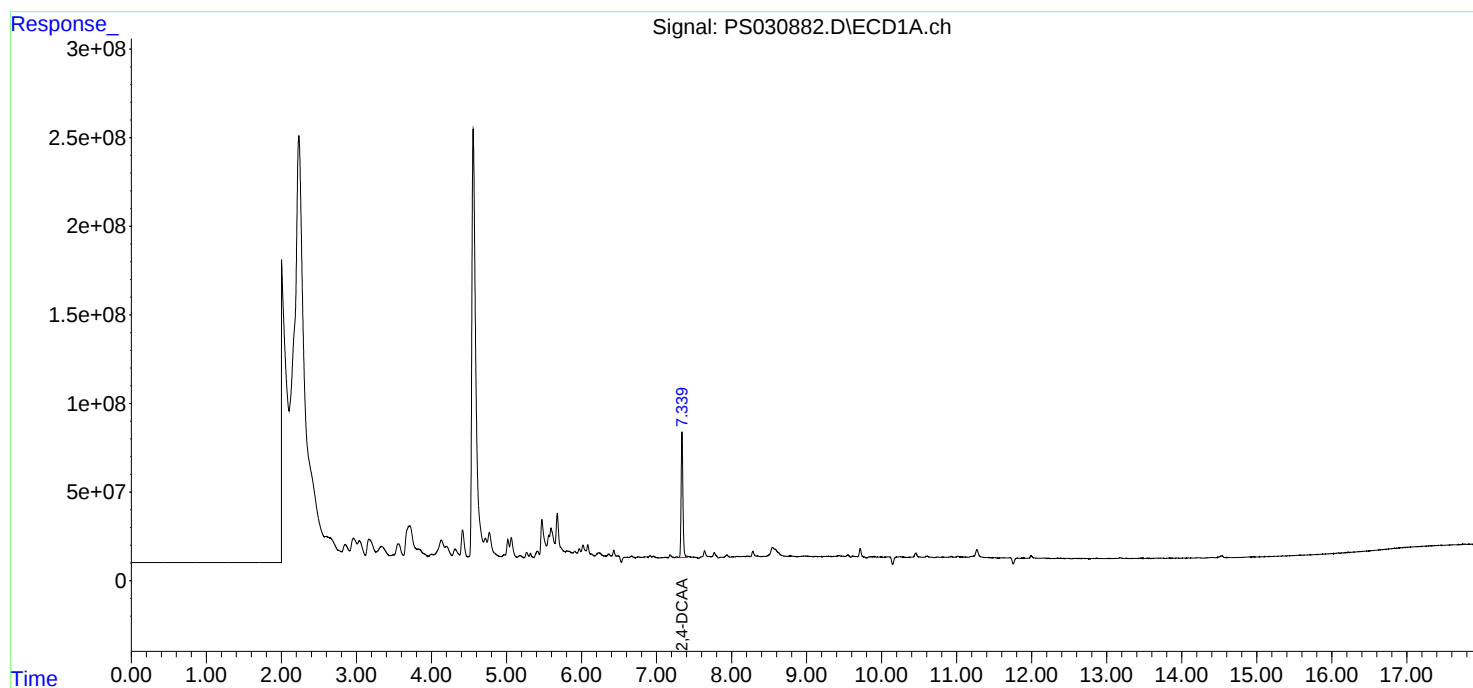
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

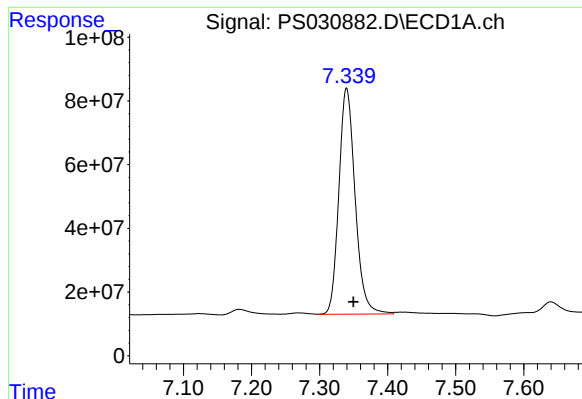
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 10:21
Operator : AR\AJ
Sample : PB168675BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168675BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:26 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

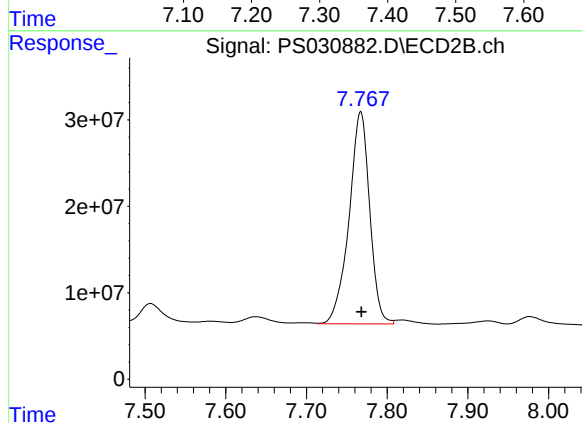




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.010 min
Response: 1176412021
Conc: 320.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168675BL



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: 0.000 min
Response: 435920055
Conc: 406.66 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.:	Q2436
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	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

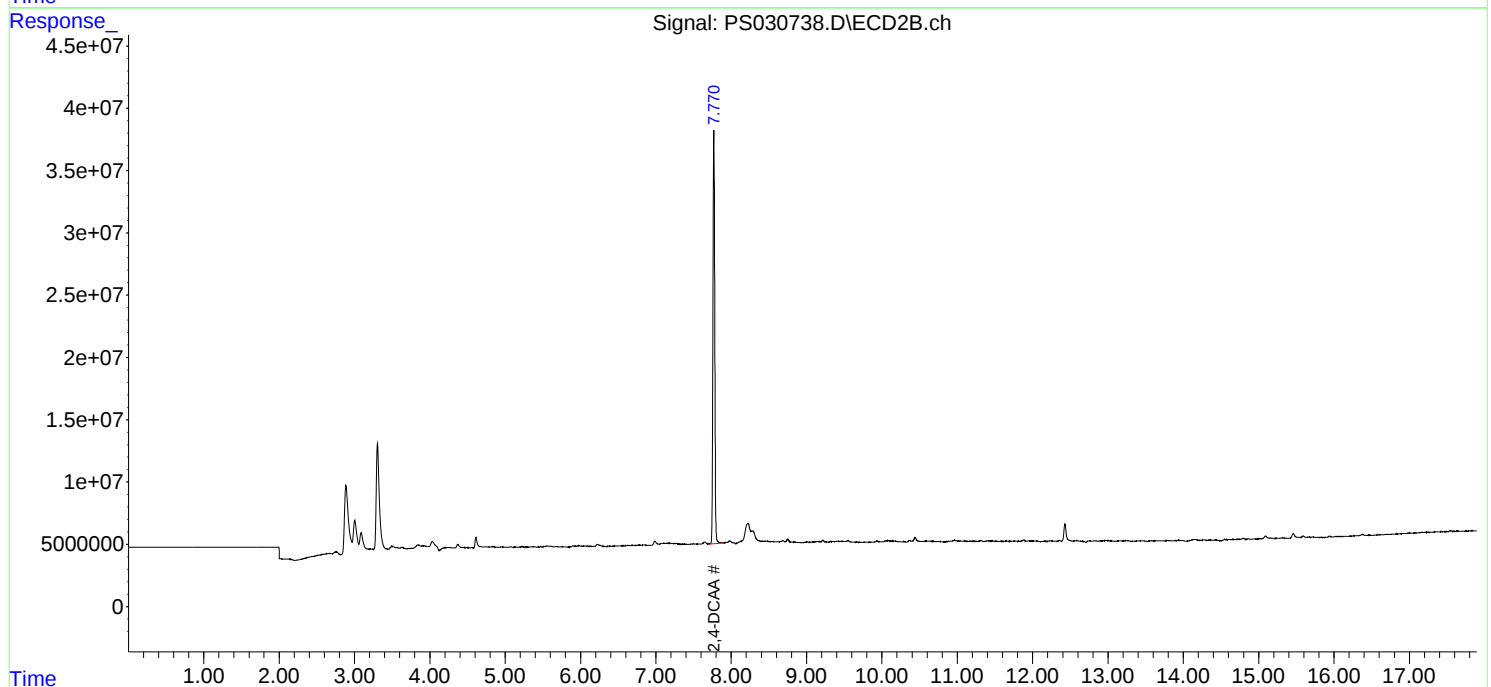
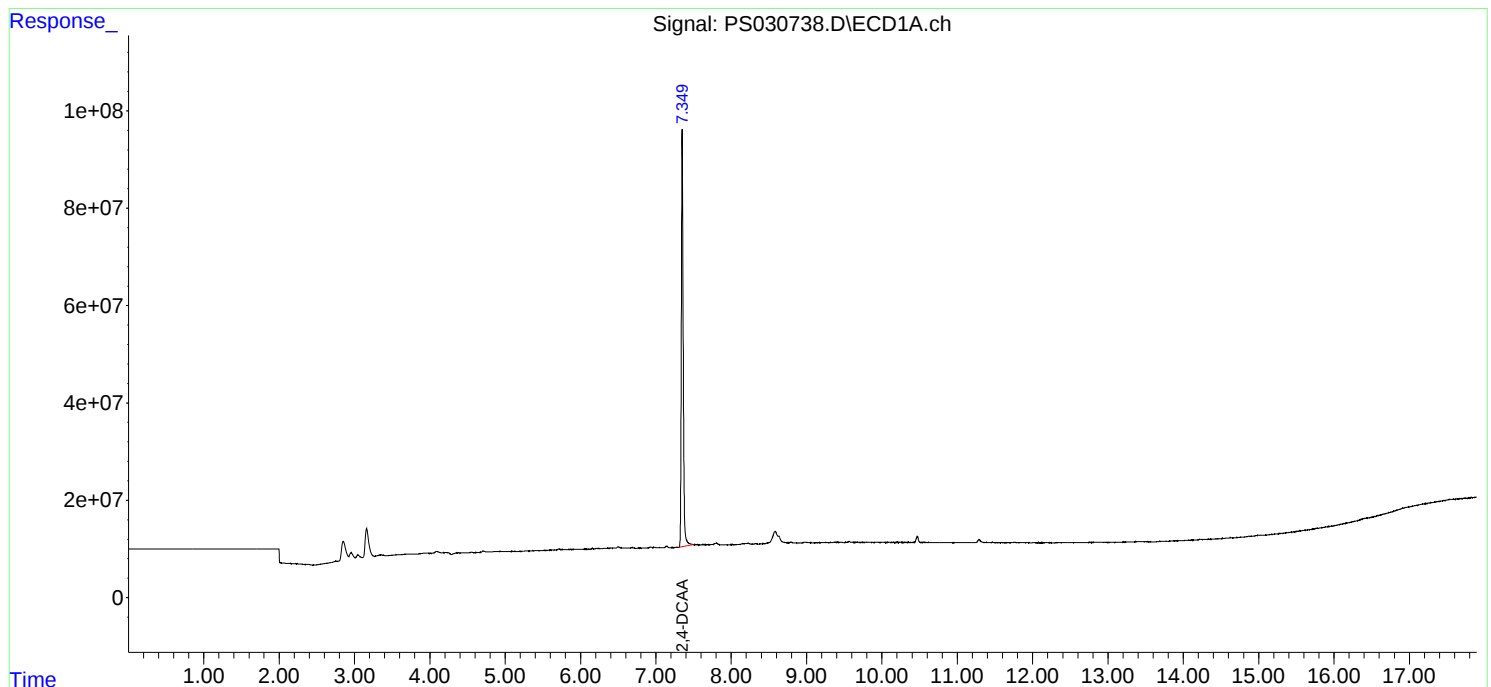
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

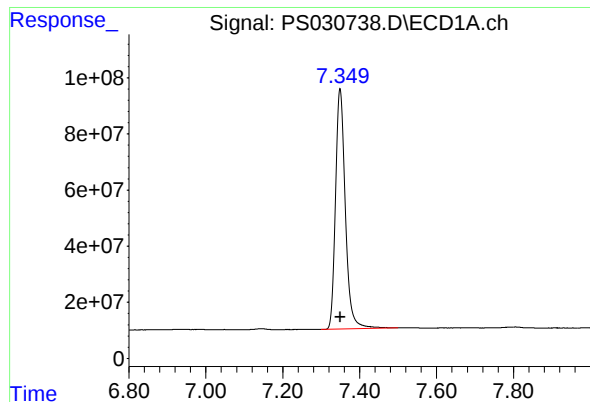
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

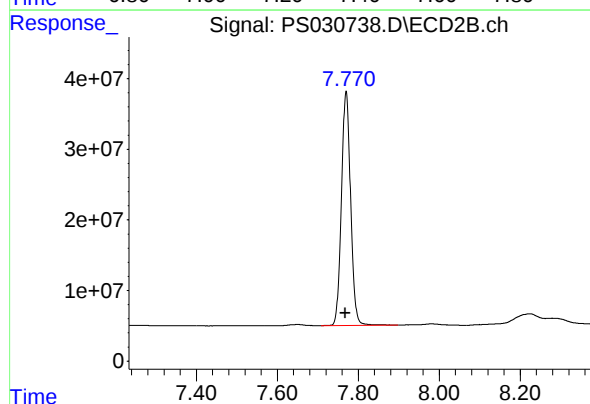
Conc: 413.97 ng/ml

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:	07/02/25
Project:	South River WM Replacement	Date Received:	07/02/25
Client Sample ID:	PIBLK-PS030880.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PS030880.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
PS030880.D	1		07/02/25	ps070225

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	524		61 - 136	105%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 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 03 01:39:51 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	7.339	7.767	1838.5E6	562.1E6	500.359	524.383

Target Compounds

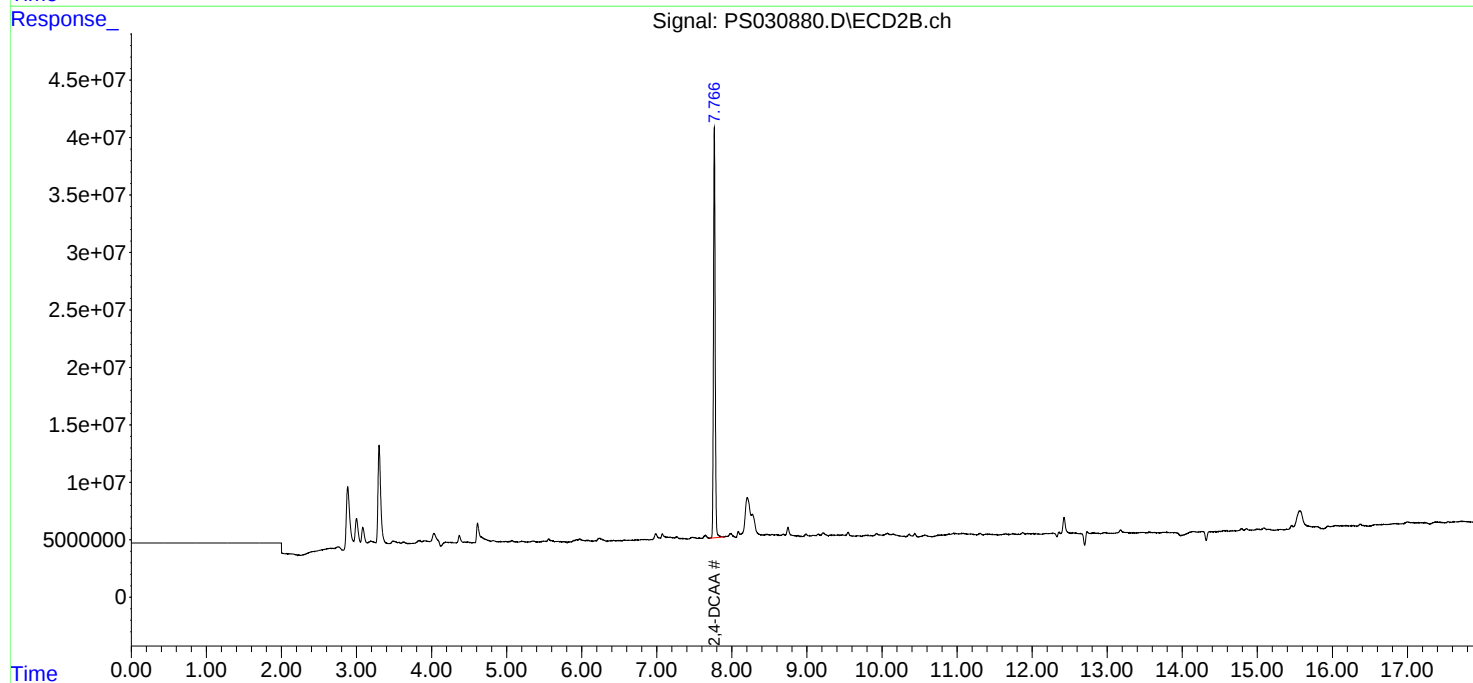
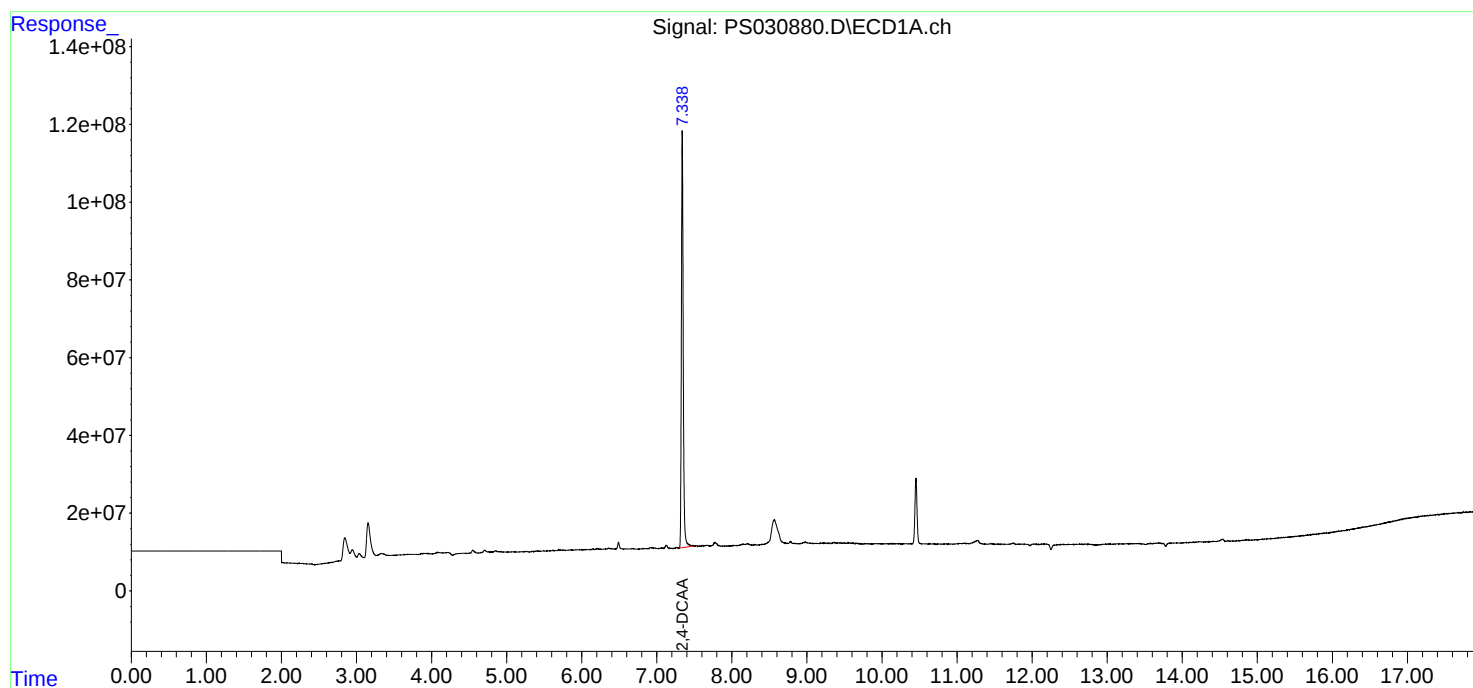
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

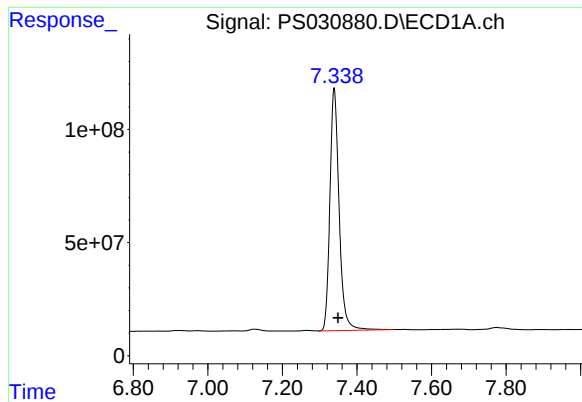
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 09:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:39:51 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

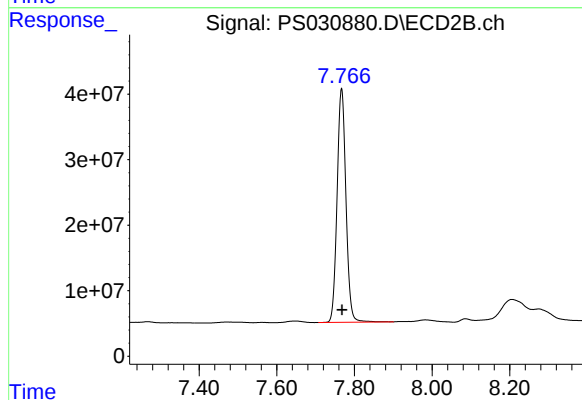




#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.011 min
Response: 1838516672
Conc: 500.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 562119503
Conc: 524.38 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/02/25
Client Sample ID:	PIBLK-PS030892.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PS030892.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
PS030892.D	1		07/02/25	ps070225

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	517		61 - 136	103%	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\PS070225\
Data File : PS030892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 14:23
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 03 01:43:25 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	7.339	7.768	1831.0E6	554.3E6	498.305	517.058

Target Compounds

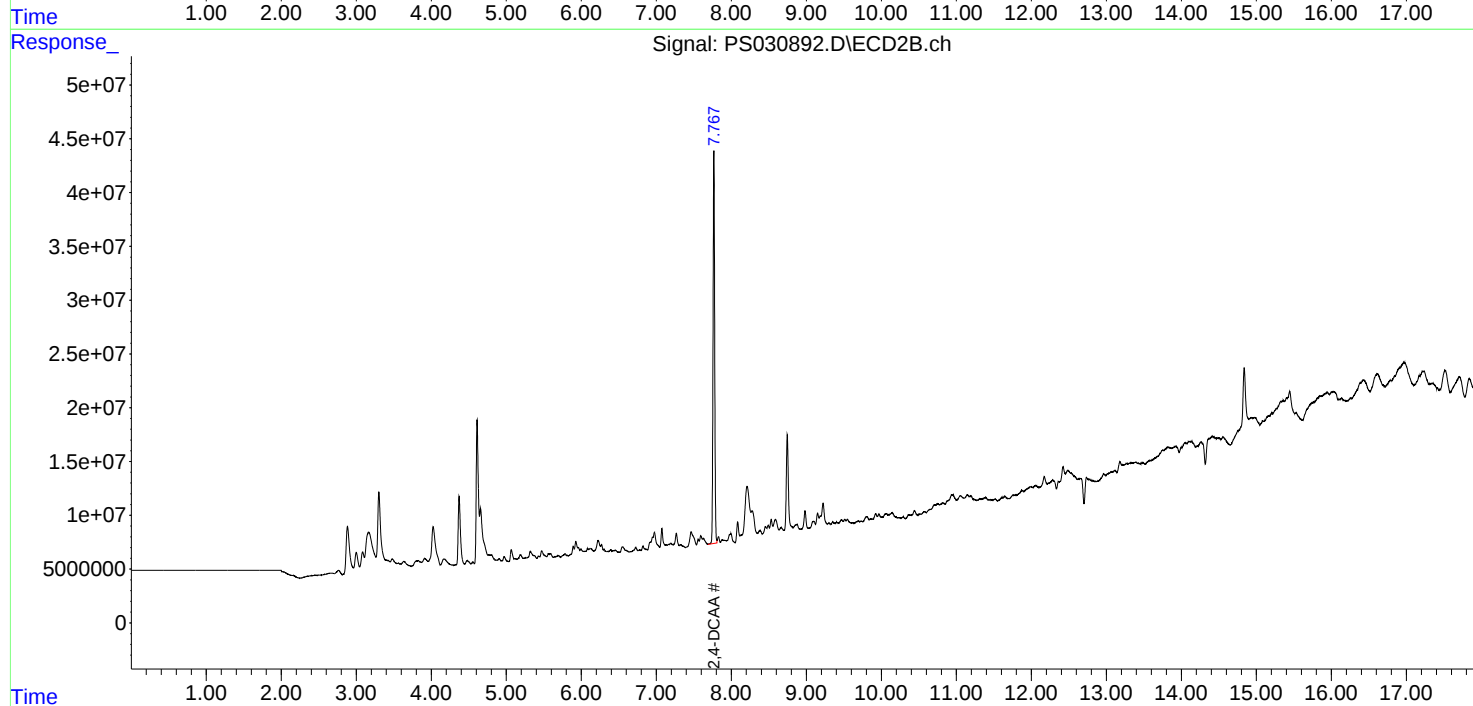
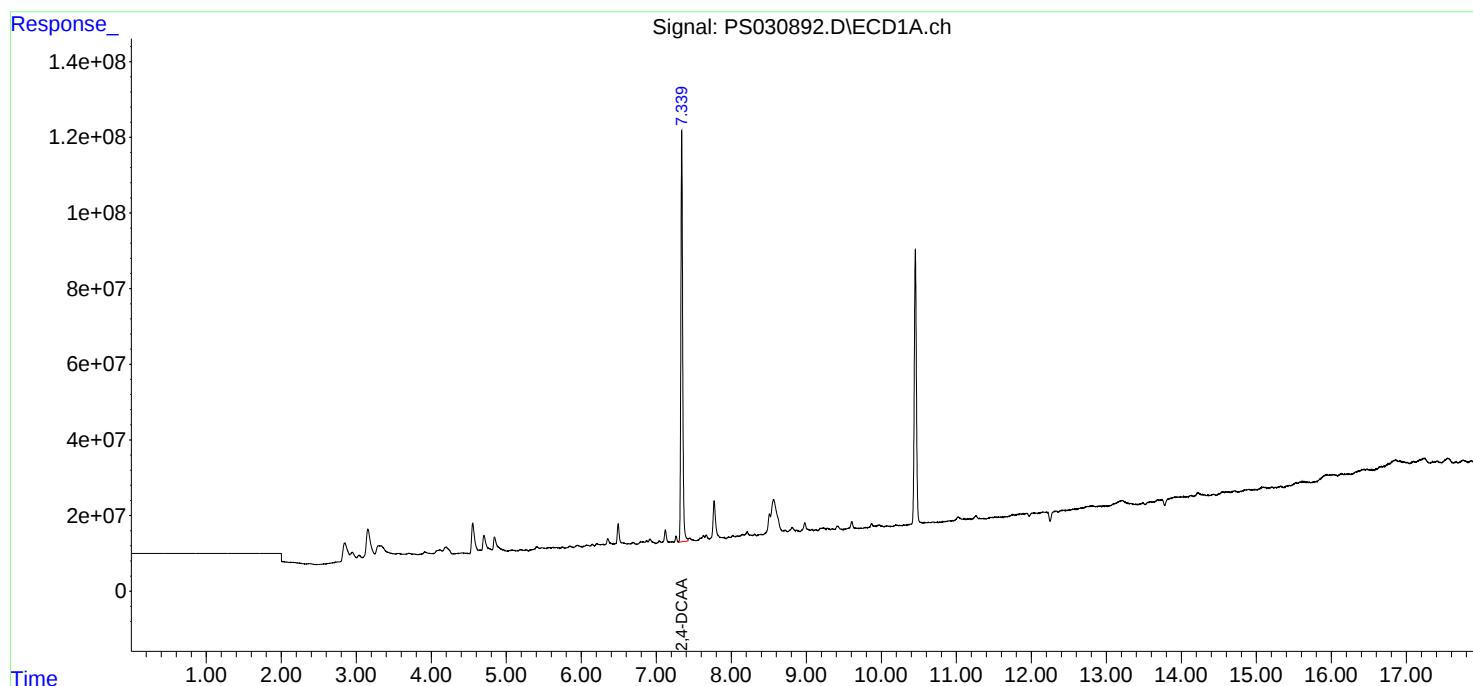
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

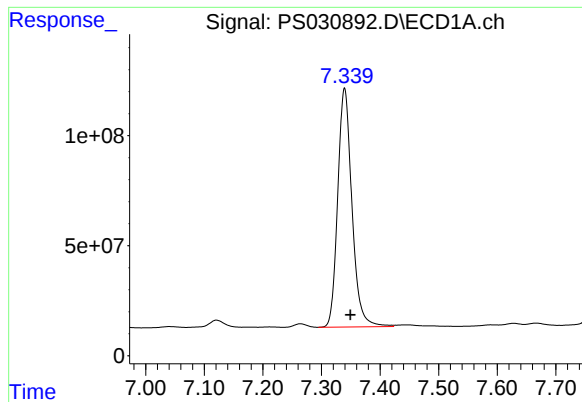
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 14:23
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:43:25 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

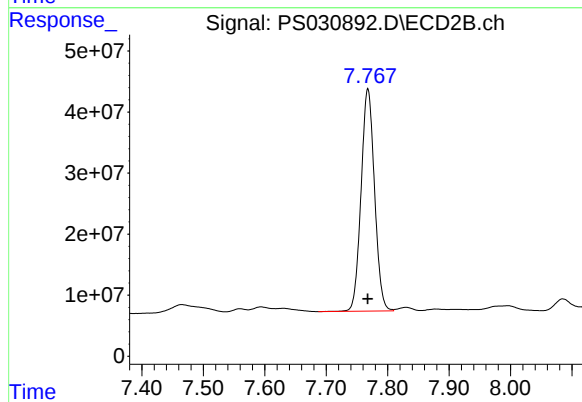




#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.010 min
Response: 1830970572
Conc: 498.31 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 554267474
Conc: 517.06 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/02/25
Project:	South River WM Replacement	Date Received:	07/02/25
Client Sample ID:	PIBLK-PS030898.D	SDG No.:	Q2436
Lab Sample ID:	I.BLK-PS030898.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
PS030898.D	1		07/02/25	ps070225

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	528		61 - 136	106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 16:53
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 03 01:45:08 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	7.340	7.766	1861.4E6	565.6E6	506.576	527.650

Target Compounds

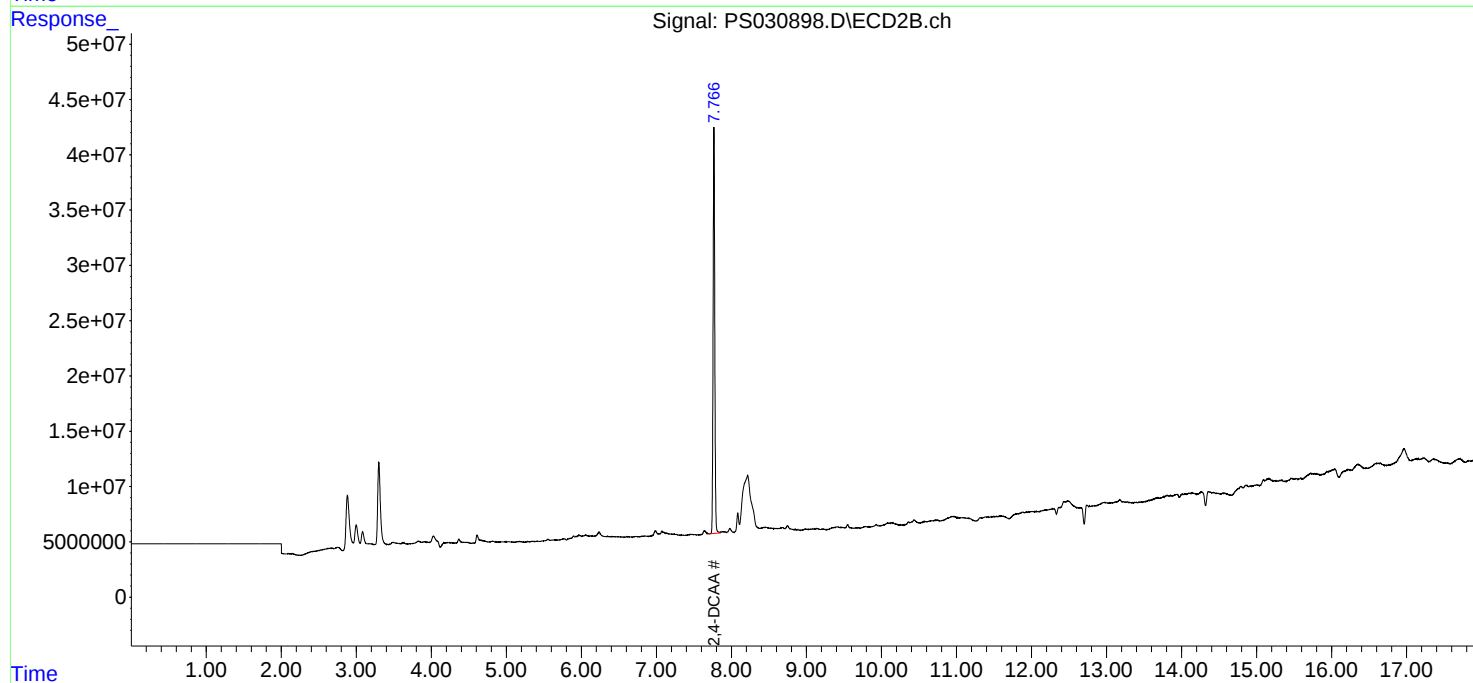
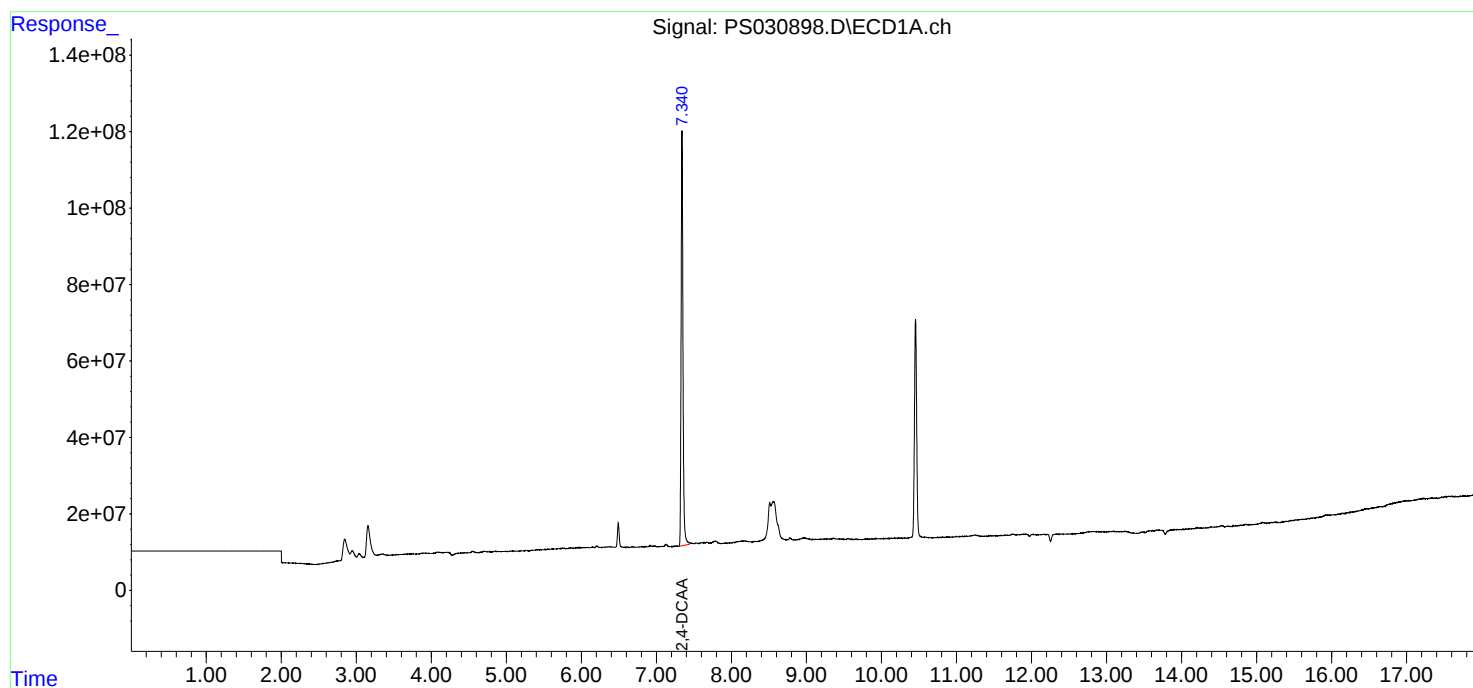
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030898.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 16:53
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

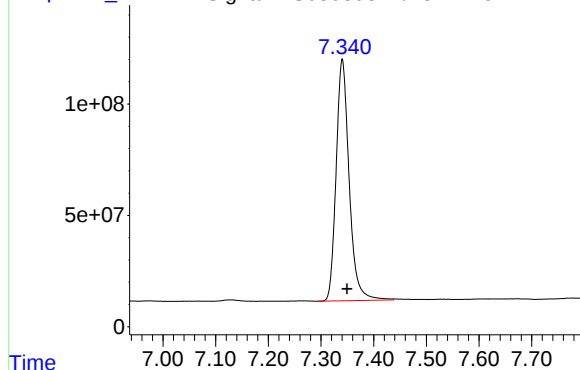
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:45:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS030898.D\ECD1A.ch

#4 2,4-DCAA

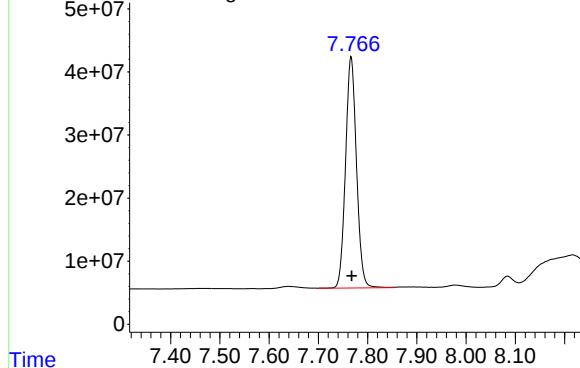


R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 1861359945
Conc: 506.58 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS030898.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.001 min
Response: 565621655
Conc: 527.65 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168675BS	SDG No.:	Q2436
Lab Sample ID:	PB168675BS	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
PS030883.D	1	07/01/25 10:00	07/02/25 10:45	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	161		7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	157		12.8	66.9	ug/Kg
94-75-7	2,4-D	160		9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	169		9.10	66.9	ug/Kg
93-76-5	2,4,5-T	173		8.70	66.9	ug/Kg
94-82-6	2,4-DB	180		24.2	66.9	ug/Kg
88-85-7	DINOSEB	165		10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	511		10 - 141	102%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
 Data File : PS030883.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 10:45
 Operator : AR\AJ
 Sample : PB168675BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168675BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/03/2025
 Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:40:43 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	7.339	7.769	1877.8E6	529.2E6	511.043m	493.694
Target Compounds							
1) T	Dalapon	2.707	2.713	2887.4E6	1258.4E6	484.004	458.969
2) T	3,5-DICHL...	6.501	6.715	2610.5E6	724.3E6	485.451	448.992
3) T	4-Nitroph...	7.140	7.302	739.2E6	741.3E6	468.826	427.627
5) T	DICAMBA	7.529	7.971	7365.4E6	3061.8E6	484.087	467.226
6) T	MCPD	7.709	8.068	453.1E6	102.0E6	48.260m	48.647
7) T	MCPA	7.859	8.317	543.9E6	151.9E6	46.365	48.287
8) T	DICHLORPROP	8.242	8.690	1763.8E6	726.0E6	470.873	461.708
9) T	2,4-D	8.475	9.026	1657.7E6	769.2E6	481.262	452.621
10) T	Pentachlo...	8.782	9.550	27055.3E6	18706.4E6	511.197	490.698
11) T	2,4,5-TP ...	9.361	9.931	10146.0E6	6935.9E6	506.529	480.700
12) T	2,4,5-T	9.655	10.357	8559.5E6	6578.7E6	520.236	481.438
13) T	2,4-DB	10.233	10.925	1237.9E6	557.3E6	539.725	471.115
14) T	DINOSEB	11.449	11.310	6861.4E6	4943.3E6	494.579m	458.506
15) T	Picloram	11.261	12.420	8135.2E6	10716.7E6	506.043m	461.104
16) T	DCPA	11.745	12.353	13748.0E6	10671.1E6	536.692	484.109m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030883.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 10:45
Operator : AR\AJ
Sample : PB168675BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168675BS

Manual Integrations

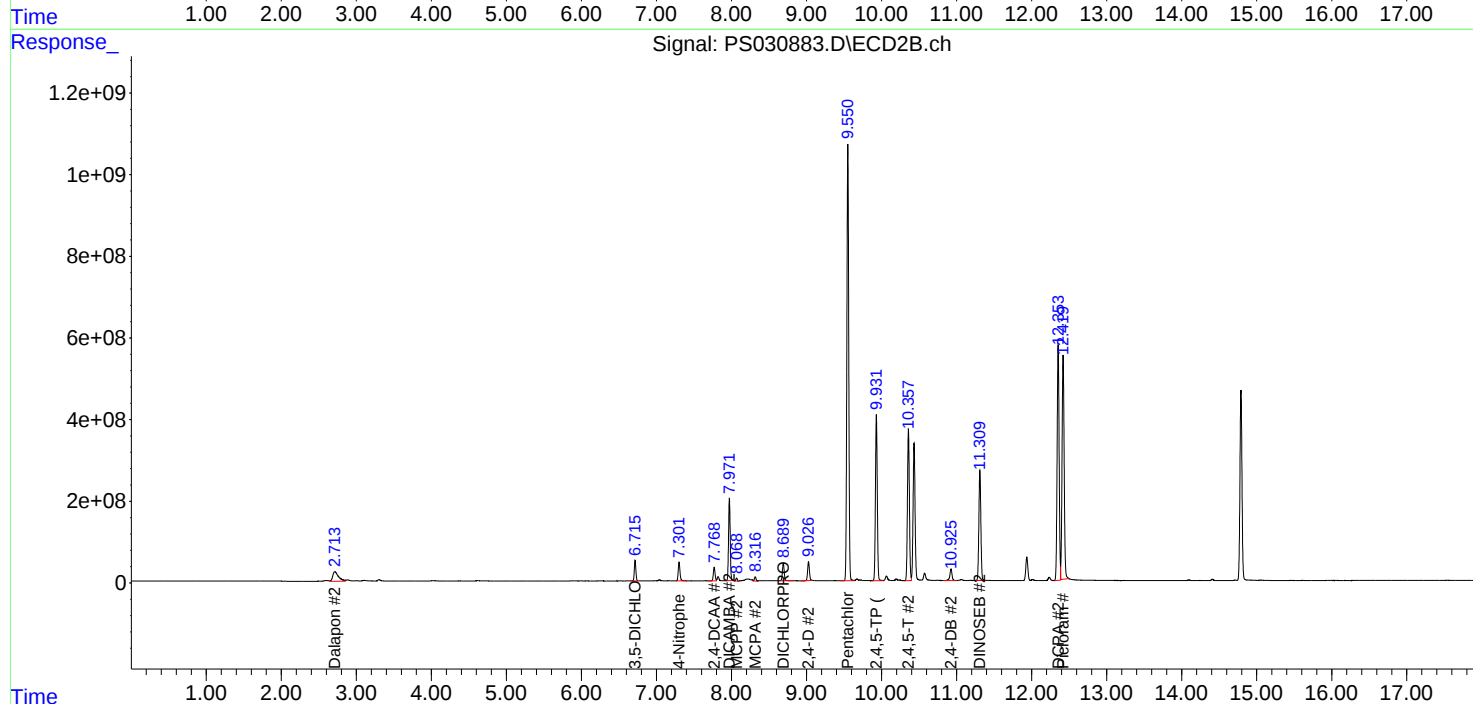
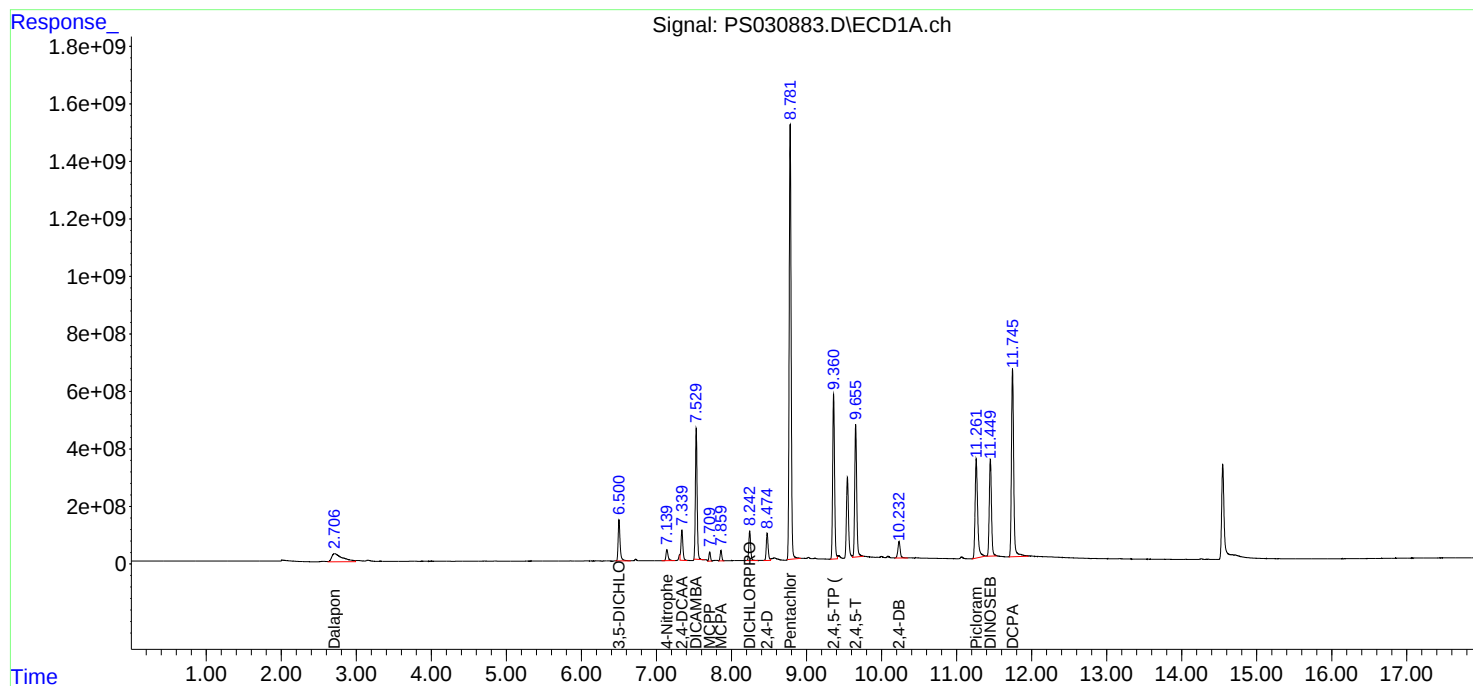
APPROVED

Reviewed By :Abdul Mirza 07/03/2025

Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:40:43 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



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82MS	SDG No.:	Q2436
Lab Sample ID:	Q2436-10MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92
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
PS030896.D	1	07/01/25 10:00	07/02/25 15:59	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	68.4	J	8.40	72.8	ug/Kg
120-36-5	DICHLORPROP	124		13.9	72.8	ug/Kg
94-75-7	2,4-D	132		9.80	72.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	119		9.80	72.8	ug/Kg
93-76-5	2,4,5-T	120		9.40	72.8	ug/Kg
94-82-6	2,4-DB	116		26.3	72.8	ug/Kg
88-85-7	DINOSEB	53.2	JP	11.7	72.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	328		10 - 141	66%	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\PS070225\
 Data File : PS030896.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 15:59
 Operator : AR\AJ
 Sample : Q2436-10MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-82MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:44:28 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	7.339	7.768	1068.1E6	351.2E6	290.682m	327.606
Target Compounds							
1) T	Dalapon	2.687	2.702	404.3E6	635.3E6	67.766m	231.724m#
2) T	3,5-DICHL...	6.500	6.715	1493.5E6	452.7E6	277.726	280.601
3) T	4-Nitroph...	7.140	7.301	440.0E6	469.0E6	279.063	270.535
5) T	DICAMBA	7.529	7.971	2873.2E6	1202.5E6	188.840m	183.498
6) T	MCPD	7.708	8.068	260.2E6	45001081	27.715m	21.457
7) T	MCPA	7.858	8.314	337.6E6	84371257	28.776	26.821
8) T	DICHLORPROP	8.242	8.688	1254.0E6	537.7E6	334.784	341.910m
9) T	2,4-D	8.475	9.025	1254.7E6	587.3E6	364.271	345.613
10) T	Pentachlo...	8.781	9.549	17938.4E6	12154.4E6	338.937	318.827
11) T	2,4,5-TP ...	9.361	9.930	6610.4E6	4679.5E6	330.020	324.322
12) T	2,4,5-T	9.655	10.356	5437.5E6	4340.4E6	330.481	317.641
13) T	2,4-DB	10.233	10.924	683.1E6	378.5E6	297.848m	319.934
14) T	DINOSEB	11.449	11.315	716.7E6	1586.0E6	51.658m	147.104 #
15) T	Picloram	11.258	12.419	1924.5E6	1838.7E6	119.709m	79.114 #
16) T	DCPA	11.739f	12.353	306.5E6	539.1E6	11.965m	24.459m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030896.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 15:59
Operator : AR\AJ
Sample : Q2436-10MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

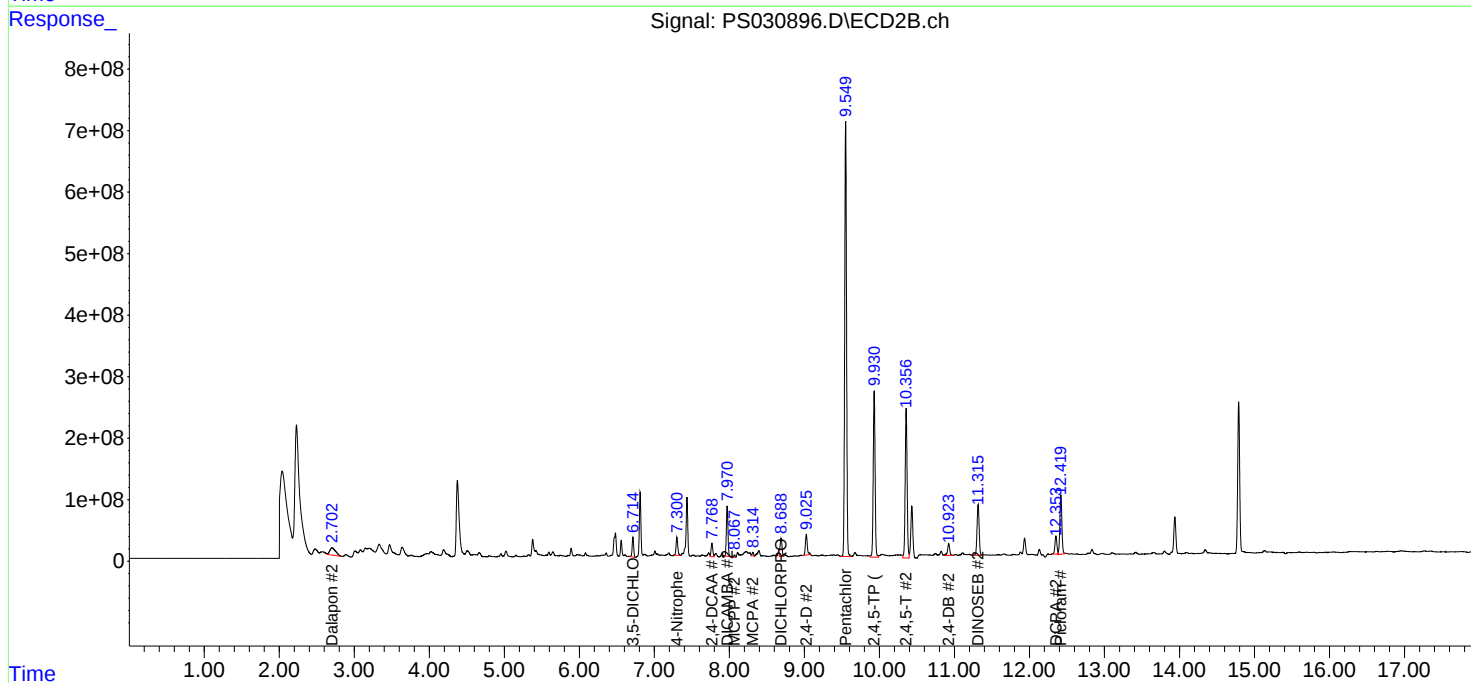
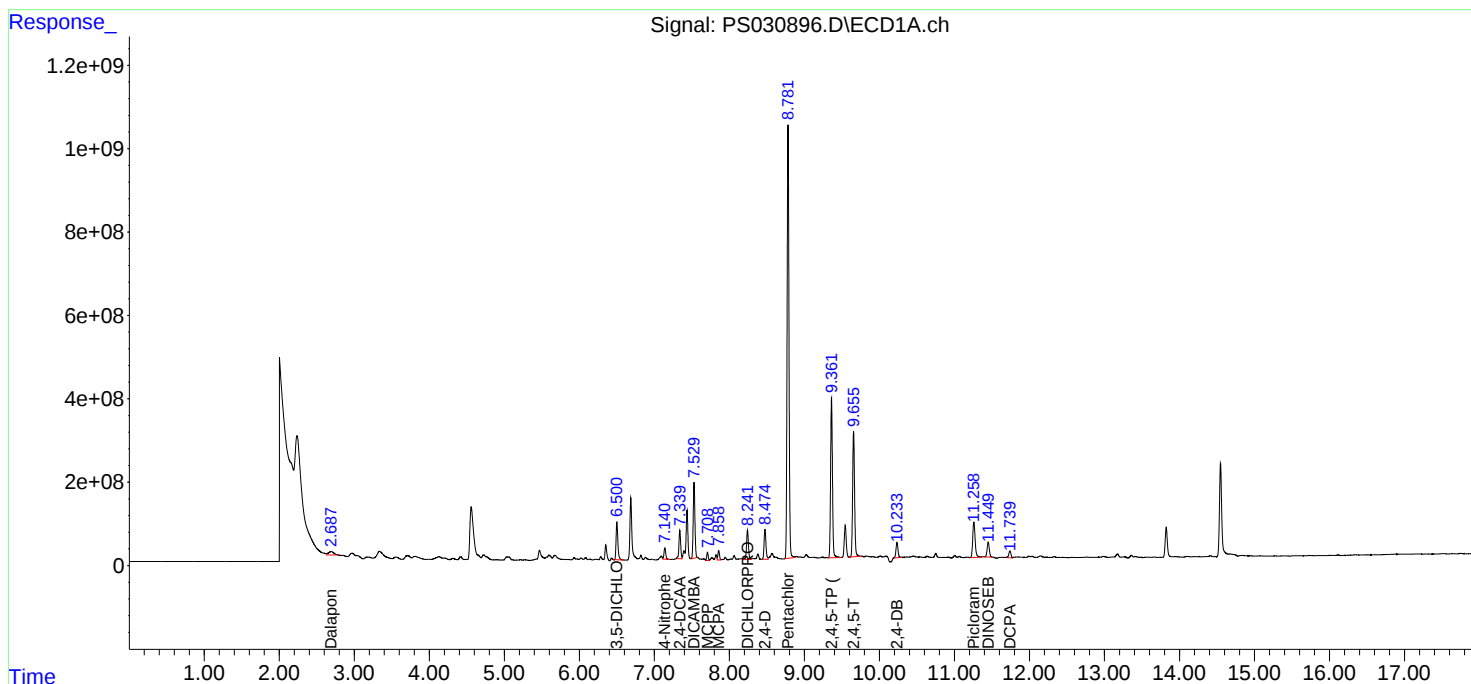
Instrument :
ECD_S
ClientSampleId :
TP-82MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/03/2025
Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:44:28 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



Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	TP-82MSD	SDG No.:	Q2436
Lab Sample ID:	Q2436-10MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	92
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
PS030897.D	1	07/01/25 10:00	07/02/25 16:24	PB168675

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	66.8	J	8.40	72.7	ug/Kg
120-36-5	DICHLORPROP	120		13.9	72.7	ug/Kg
94-75-7	2,4-D	128		9.80	72.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	118		9.80	72.7	ug/Kg
93-76-5	2,4,5-T	116		9.40	72.7	ug/Kg
94-82-6	2,4-DB	114		26.3	72.7	ug/Kg
88-85-7	DINOSEB	42.0	J	11.7	72.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	321		10 - 141	64%	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\PS070225\
 Data File : PS030897.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jul 2025 16:24
 Operator : AR\AJ
 Sample : Q2436-10MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-82MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/03/2025
 Supervised By :mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 03 01:44:48 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	1163.7E6	343.6E6	316.707	320.507
Target Compounds							
1) T	Dalapon	2.692	2.705	410.0E6	851.9E6	68.726m	310.710m#
2) T	3,5-DICHL...	6.500	6.714	1442.3E6	447.7E6	268.214	277.537
3) T	4-Nitroph...	7.139	7.301	430.1E6	471.5E6	272.790	272.008
5) T	DICAMBA	7.529	7.971	2810.4E6	1175.0E6	184.713	179.299
6) T	MCPD	7.707	8.067	248.7E6	46586327	26.494m	22.212
7) T	MCPA	7.858	8.314	333.8E6	79922266	28.454	25.406
8) T	DICHLORPROP	8.242	8.689	1242.9E6	467.4E6	331.824	297.228m
9) T	2,4-D	8.474	9.026	1216.8E6	576.5E6	353.268	339.254
10) T	Pentachlo...	8.781	9.549	17472.4E6	11717.6E6	330.132	307.370
11) T	2,4,5-TP ...	9.361	9.930	6521.3E6	4570.5E6	325.571	316.766
12) T	2,4,5-T	9.655	10.357	5295.9E6	4269.1E6	321.878	312.422
13) T	2,4-DB	10.234	10.924	675.3E6	371.5E6	294.452m	314.040
14) T	DINOSEB	11.450	11.317	393.3E6	1250.5E6	28.351m	115.984 #
15) T	Picloram	11.259	12.419	1896.1E6	1818.7E6	117.942m	78.252 #
16) T	DCPA	11.738f	12.353	323.0E6	496.8E6	12.608m	22.537m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS070225\
Data File : PS030897.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jul 2025 16:24
Operator : AR\AJ
Sample : Q2436-10MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

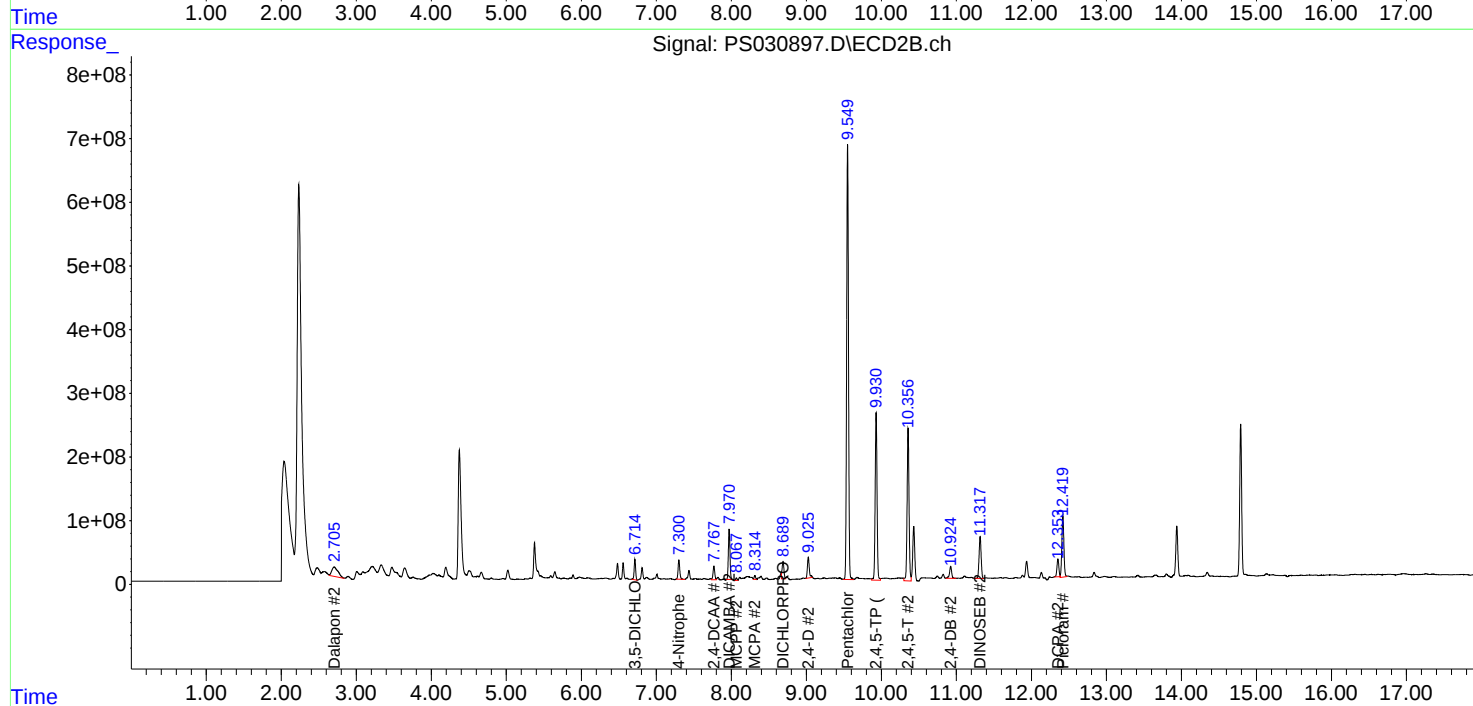
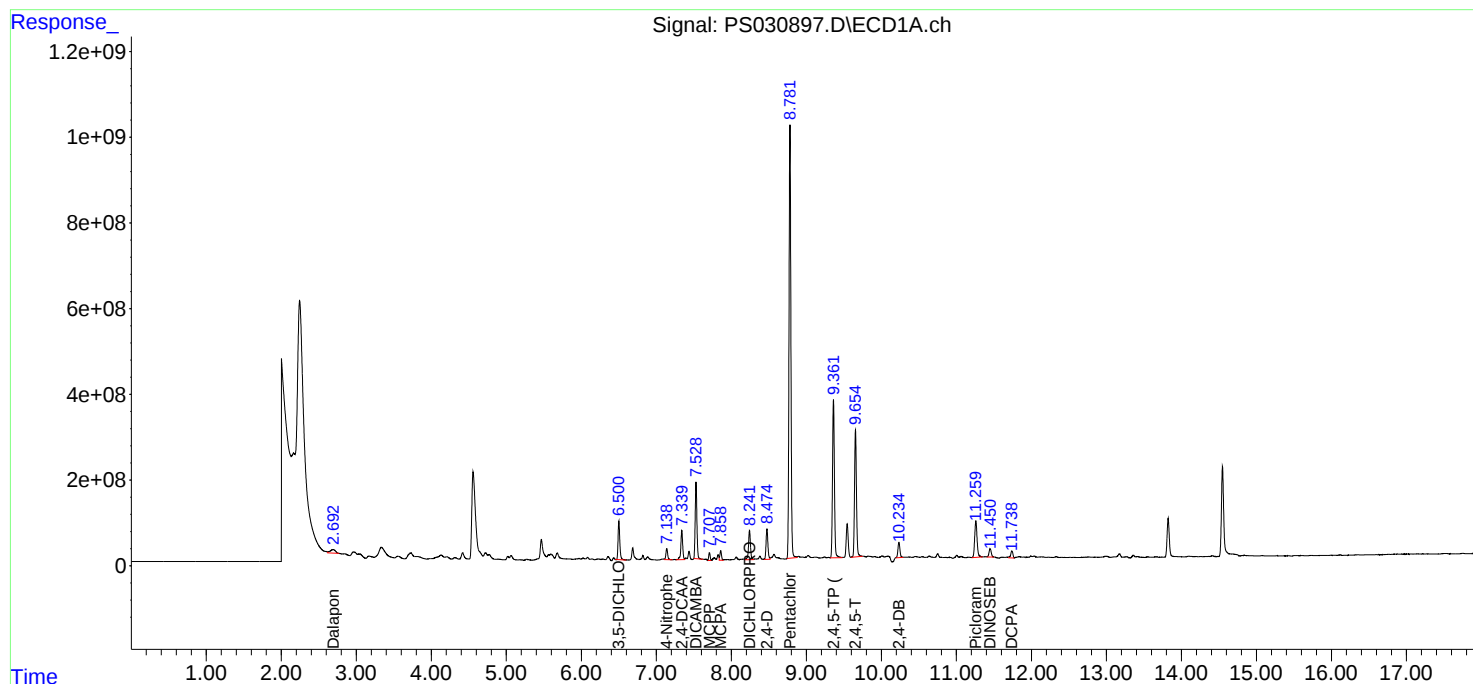
Instrument :
ECD_S
ClientSampleId :
TP-82MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/03/2025
Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 03 01:44:48 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
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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	D CPA #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	D CPA #2	Abdul	6/20/2025 8:25:02 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software

Manual Integration Report

Sequence:	ps070225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030881.D	2,4-DCAA	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030881.D	D CPA #2	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030881.D	DICAMBA	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030881.D	DINOSEB	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030881.D	MCPP	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030881.D	Picloram	Abdul	7/3/2025 8:29:59 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PB168675BS	PS030883.D	2,4-DCAA	Abdul	7/3/2025 8:30:02 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PB168675BS	PS030883.D	D CPA #2	Abdul	7/3/2025 8:30:02 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PB168675BS	PS030883.D	DINOSEB	Abdul	7/3/2025 8:30:02 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PB168675BS	PS030883.D	MCPP	Abdul	7/3/2025 8:30:02 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PB168675BS	PS030883.D	Picloram	Abdul	7/3/2025 8:30:02 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-07	PS030890.D	2,4-DCAA #2	Abdul	7/3/2025 8:30:04 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	2,4-DB	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software

Manual Integration Report

Sequence:	ps070225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030893.D	2,4-DCAA	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	DCPA	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	DCPA #2	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	DINOSEB	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	MCPD	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030893.D	Picloram	Abdul	7/3/2025 8:30:08 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	2,4-DB	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	2,4-DCAA	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	Dalapon	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	Dalapon #2	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	DCPA	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	DCPA #2	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	DICAMBA	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software

Manual Integration Report

Sequence:

ps070225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2436-10MS	PS030896.D	DICHLORPROP #2	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	DINOSEB	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	MCPPP	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MS	PS030896.D	Picloram	Abdul	7/3/2025 8:30:12 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	2,4-DB	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	Dalapon	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	Dalapon #2	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	DCPA	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	DCPA #2	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	DICHLORPROP #2	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	DINOSEB	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	MCPPP	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
Q2436-10MSD	PS030897.D	Picloram	Abdul	7/3/2025 8:30:15 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software

Manual Integration Report

Sequence:

ps070225

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030899.D	2,4-DB	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	2,4-DCAA	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	DCPA #2	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	DICAMBA	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	DINOSEB	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	MCPD	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	Peak Integrated by Software
PSTDCCC750	PS030899.D	Picloram	Abdul	7/3/2025 8:30:18 AM	mohammad	7/4/2025 4:32:09	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#	SampleId	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 # PS070225

Review By	Abdul	Review On	7/3/2025 8:30:36 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:09 AM
SubDirectory	PS070225	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	PS030879.D	02 Jul 2025 09:08	AR\AJ	Ok
2	I.BLK	PS030880.D	02 Jul 2025 09:32	AR\AJ	Ok
3	PSTDCCC750	PS030881.D	02 Jul 2025 09:56	AR\AJ	Ok,M
4	PB168675BL	PS030882.D	02 Jul 2025 10:21	AR\AJ	Ok
5	PB168675BS	PS030883.D	02 Jul 2025 10:45	AR\AJ	Ok,M
6	Q2436-01	PS030884.D	02 Jul 2025 11:09	AR\AJ	Ok
7	Q2436-02	PS030885.D	02 Jul 2025 11:33	AR\AJ	Ok
8	Q2436-03	PS030886.D	02 Jul 2025 11:57	AR\AJ	Ok
9	Q2436-04	PS030887.D	02 Jul 2025 12:22	AR\AJ	Ok
10	Q2436-05	PS030888.D	02 Jul 2025 12:46	AR\AJ	Ok
11	Q2436-06	PS030889.D	02 Jul 2025 13:10	AR\AJ	Ok
12	Q2436-07	PS030890.D	02 Jul 2025 13:34	AR\AJ	Ok,M
13	Q2436-08	PS030891.D	02 Jul 2025 13:58	AR\AJ	Ok
14	I.BLK	PS030892.D	02 Jul 2025 14:23	AR\AJ	Ok
15	PSTDCCC750	PS030893.D	02 Jul 2025 14:47	AR\AJ	Ok,M
16	Q2436-09	PS030894.D	02 Jul 2025 15:11	AR\AJ	Ok
17	Q2436-10	PS030895.D	02 Jul 2025 15:35	AR\AJ	Ok
18	Q2436-10MS	PS030896.D	02 Jul 2025 15:59	AR\AJ	Ok,M
19	Q2436-10MSD	PS030897.D	02 Jul 2025 16:24	AR\AJ	Ok,M
20	I.BLK	PS030898.D	02 Jul 2025 16:53	AR\AJ	Ok
21	PSTDCCC750	PS030899.D	02 Jul 2025 17:17	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 # PS070225

Review By	Abdul	Review On	7/3/2025 8:30:36 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:09 AM
SubDirectory	PS070225	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	PS030879.D	02 Jul 2025 09:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS030880.D	02 Jul 2025 09:32		AR\AJ	Ok
3	PSTDCCC750	PSTDCCC750	PS030881.D	02 Jul 2025 09:56		AR\AJ	Ok,M
4	PB168675BL	PB168675BL	PS030882.D	02 Jul 2025 10:21		AR\AJ	Ok
5	PB168675BS	PB168675BS	PS030883.D	02 Jul 2025 10:45		AR\AJ	Ok,M
6	Q2436-01	TP-70	PS030884.D	02 Jul 2025 11:09		AR\AJ	Ok
7	Q2436-02	TP-69	PS030885.D	02 Jul 2025 11:33		AR\AJ	Ok
8	Q2436-03	TP-85	PS030886.D	02 Jul 2025 11:57		AR\AJ	Ok
9	Q2436-04	TP-86	PS030887.D	02 Jul 2025 12:22		AR\AJ	Ok
10	Q2436-05	TP-84	PS030888.D	02 Jul 2025 12:46		AR\AJ	Ok
11	Q2436-06	TP-83	PS030889.D	02 Jul 2025 13:10		AR\AJ	Ok
12	Q2436-07	TP-87	PS030890.D	02 Jul 2025 13:34		AR\AJ	Ok,M
13	Q2436-08	TP-100	PS030891.D	02 Jul 2025 13:58		AR\AJ	Ok
14	I.BLK	I.BLK	PS030892.D	02 Jul 2025 14:23		AR\AJ	Ok
15	PSTDCCC750	PSTDCCC750	PS030893.D	02 Jul 2025 14:47		AR\AJ	Ok,M
16	Q2436-09	TP-99	PS030894.D	02 Jul 2025 15:11		AR\AJ	Ok
17	Q2436-10	TP-82	PS030895.D	02 Jul 2025 15:35		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS070225

Review By	Abdul	Review On	7/3/2025 8:30:36 AM
Supervise By	mohammad	Supervise On	7/4/2025 4:32:09 AM
SubDirectory	PS070225	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	Q2436-10MS	TP-82MS	PS030896.D	02 Jul 2025 15:59	F Flag in comp#16 in 1st column , some compound recovery fail	AR\AJ	Ok,M
19	Q2436-10MSD	TP-82MSD	PS030897.D	02 Jul 2025 16:24	F Flag in comp#16 in 1st column , some compound recovery fail , RPD Fail	AR\AJ	Ok,M
20	I.BLK	I.BLK	PS030898.D	02 Jul 2025 16:53		AR\AJ	Ok
21	PSTDCCC750	PSTDCCC750	PS030899.D	02 Jul 2025 17:17		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2436-01	TP-70	1	1.15	10.83	11.98	10.04	82.1	
Q2436-02	TP-69	2	1.16	10.29	11.45	9.6	82.0	
Q2436-03	TP-85	3	1.16	10.55	11.71	10.14	85.1	
Q2436-04	TP-86	4	1.18	9.94	11.12	10.00	88.7	
Q2436-05	TP-84	5	1.14	10.40	11.54	10.74	92.3	
Q2436-06	TP-83	6	1.18	10.14	11.32	10.37	90.6	
Q2436-07	TP-87	7	1.18	10.37	11.55	10.5	89.9	
Q2436-08	TP-100	8	1.17	10.27	11.44	9.96	85.6	
Q2436-09	TP-99	9	1.17	10.47	11.64	10.82	92.2	
Q2436-10	TP-82	10	1.12	10.65	11.77	10.92	92.0	
Q2437-05	SVOC-GPC-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q2437-06	PEST-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
Q2437-07	PEST-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
Q2437-08	PCB-GPC-BLANK	14	1.00	1.00	2.00	2.00	100.0	
Q2437-09	PCB-GPC-BLANK-SPIKE	15	1.00	1.00	2.00	2.00	100.0	
Q2437-10	SVOC-GPC2-BLANK	16	1.00	1.00	2.00	2.00	100.0	
Q2437-11	PEST-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
Q2437-12	PEST-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
Q2437-13	PCB-GPC2-BLANK	19	1.00	1.00	2.00	2.00	100.0	
Q2437-14	PCB-GCP2-BLANK-SPIKE	20	1.00	1.00	2.00	2.00	100.0	
Q2440-01	72-11986-1	21	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-02	72-11986-2	22	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-03	72-11931-1	23	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-04	72-11931-2	24	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-05	VNJ-227-1	25	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-06	VNJ-227-2	26	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-07	RT2917-1	27	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2440-08	RT2917-2	28	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/30/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 06/27/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:26
Out Date: 06/28/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136311

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
Q2442-01	500-3B	29	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2442-02	500-3B-E2	30	1.00	1.00	2.00	2.00	100.0	OILY STONE SAMPLE,100% SOLIDS
Q2445-01	CONCRETE-PAD-6-27-25	37	1.00	1.00	2.00	2.00	100.0	CONCRETE-PAD-
Q2446-01	MR-BUR-LNG-19	38	1.00	1.00	2.00	2.00	100.0	oil sample
Q2446-03	MR-BUR-LNG-13	39	1.00	1.00	2.00	2.00	100.0	debris
Q2447-01	COMP-1	40	1.14	10.15	11.29	9.9	86.3	
Q2447-02	COMP-1	41	1.18	9.78	10.96	9.00	80.0	
Q2447-04	COMP-2	42	1.15	10.67	11.82	8.28	66.8	
Q2447-05	COMP-2	43	1.12	11.15	12.27	8.69	67.9	
Q2447-06	LAW-25-0100	44	1.11	10.66	11.77	10.75	90.4	
Q2447-07	LAW-25-0100	45	1.12	9.28	10.4	9.51	90.4	
Q2448-01	JEI041K-1-1	46	1.00	1.00	2.00	2.00	100.0	PILC
Q2448-02	JEI041K-1-2	47	1.00	1.00	2.00	2.00	100.0	PILC
Q2449-01	RBR200032	48	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2449-02	RBR200032-E2	49	1.00	1.00	2.00	2.00	100.0	STONE SAMPLE, 100% SOLIDS
Q2450-01	PL-2-062725	50	1.18	10.26	11.44	10.65	92.3	
Q2450-02	PL-2-062725-E2	51	1.19	10.36	11.55	10.65	91.3	
Q2452-01	TP-5	31	1.13	10.61	11.74	10.83	91.4	
Q2452-02	TP-5-EPH	32	1.13	10.70	11.83	10.44	87.0	
Q2452-03	TP-5-VOC	33	1.18	10.59	11.77	10.84	91.2	
Q2452-05	EP-2	34	1.11	10.66	11.77	10.38	87.0	
Q2452-06	EP-2-EPH	35	1.18	10.01	11.19	10.36	91.7	
Q2452-07	EP-2-VOC	36	1.14	10.43	11.57	10.05	85.4	
Q2457-01	OK-02-062725	52	1.12	10.47	11.59	10.87	93.1	
Q2457-02	OK-02-062725-E2	53	1.19	10.28	11.47	10.75	93.0	

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

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-02	TP-69	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-03	TP-85	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-04	TP-86	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-05	TP-84	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-06	TP-83	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-07	TP-87	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/25/2025	Chemtech -SO
Q2436-08	TP-100	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-09	TP-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2436-10	TP-82	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CAMP02	D51	06/26/2025	Chemtech -SO
Q2437-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2437-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D31	06/20/2025	Chemtech -SO
Q2440-01	72-11986-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO

Date/Time 06/24/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25

Raw Sample Received by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2440-02	72-11986-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-03	72-11931-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-04	72-11931-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-05	VNJ-227-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-06	VNJ-227-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-07	RT2917-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2440-08	RT2917-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-01	500-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2442-02	500-3B-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2445-01	CONCRETE-PAD-6-27-25	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2446-01	MR-BU-LNG-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2446-03	MR-BU-LNG-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2447-02	COMP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-04	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-05	COMP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-06	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2447-07	LAW-25-0100	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-01	JEI041K-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2448-02	JEI041K-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-01	RBR200032	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/27/2025	Chemtech -SO
Q2449-02		Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136311

WorkList Name : %1-062725

WorkList ID : 190440

Department : Wet-Chemistry

Date : 06-27-2025 10:02:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2449-02	RBR200032-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/27/2025	Chemtech -SO
Q2450-01	PL-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2450-02	PL-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D11	06/27/2025	Chemtech -SO
Q2452-01	TP-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-02	TP-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-03	TP-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-05	EP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-06	EP-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2452-07	EP-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A22	06/27/2025	Chemtech -SO
Q2457-01	OK-02-062725	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO
Q2457-02	OK-02-062725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/27/2025	Chemtech -SO

Date/Time 06/27/25 16:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/27/25 17:30

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix: Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,5,7

Extraction Start Date: 07/01/2025

Extraction Start Time: 10:00

Extraction End Date: 07/01/2025

Extraction End Time: 17:30

Concentration By: EH

Supervisor By: RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standardized 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	E3881
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
7/1/25	RS (Ext. Lab)	RS (Ext. Lab)
17:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/01/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168675BL	HBLK675	Herbicide	30.02	N/A	ritesh	Evelyn	10			U6-1
PB168675BS	HLCS675	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q2436-01	TP-70	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q2436-02	TP-69	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2436-03	TP-85	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		5
Q2436-04	TP-86	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2436-05	TP-84	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U1-1
Q2436-06	TP-83	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2436-07	TP-87	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		3
Q2436-08	TP-100	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		4
Q2436-09	TP-99	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5
Q2436-10	TP-82	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2436-10MS	TP-82MS	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q2436-10MS D	TP-82MSD	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2452-01	TP-5	Herbicide	30.02	N/A	ritesh	Evelyn	10	D		3
Q2452-05	EP-2	Herbicide	30.07	N/A	ritesh	Evelyn	10	D		4
Q2459-01	TP-1	Herbicide	30.03	N/A	ritesh	Evelyn	10	D		5
Q2469-01	WC-1	Herbicide	30.04	N/A	ritesh	Evelyn	10	D		6

* Extracts relinquished on the same date as received.

168-675
20.10.10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2469

WorkList ID : 190475

Department : Extraction

Date : 07-01-2025 08:37:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2436-01	TP-70	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-02	TP-69	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-03	TP-85	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-04	TP-86	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-05	TP-84	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-06	TP-83	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/25/2025	8151A
Q2436-07	TP-87	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2436-08	TP-100	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2436-09	TP-99	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2436-10	TP-82	Solid	Herbicide	Cool 4 deg C	CAMP02	D51	06/26/2025	8151A
Q2452-01	TP-5	Solid	Herbicide	Cool 4 deg C	PSEG03	A22	06/27/2025	8151A
Q2452-05	EP-2	Solid	Herbicide	Cool 4 deg C	PSEG03	A22	06/27/2025	8151A
Q2459-01	TP-1	Solid	Herbicide	Cool 4 deg C	PSEG03	A51	06/28/2025	8151A
Q2469-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	A61	06/30/2025	8151A

Date/Time 07/01/25 9:55
Raw Sample Received by: RS (Est-velo)
Raw Sample Relinquished by: CP SP

Date/Time 07/01/25 10:25
Raw Sample Received by: CP SP
Raw Sample Relinquished by: RS (Est-velo)



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: ENCINAS.MA@CDMSMITH.COM
PHONE: 7325904679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#:
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 _____

1. TCL VOC 2. TCL SVOC 3. TAL METALS 4. PESTICIDES 5. HERBICIDES 6. DRUGS 7. PCRS 8. 9.

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	6/25/25	0800	6	X	X	X	X	X	X	X			E
2.	TP-69	S		X	6/25/25	0840	6	X	X	X	X	X	X	X			E
3.	TP-85	S		X	6/25/25	0938	6	X	X	X	X	X	X	X			E
4.	TP-86	S		X	6/25/25	1020	6	X	X	X	X	X	X	X			E
5.	TP-84	S		X	6/25/25	1100	6	X	X	X	X	X	X	X			E
6.	TP-83	S		X	6/25/25	1135	6	X	X	X	X	X	X	X			E
7.	TP-87	S		X	6/26/25	0800	6	X	X	X	X	X	X	X			E
8.	TP-100	S		X	6/26/25	0845	6	X	X	X	X	X	X	X			E
9.	TP-99	S		X	6/26/25	0930	6	X	X	X	X	X	X	X			E
10.	TP-82	S		X	6/26/25	1020	6	X	X	X	X	X	X	X			E

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. [Signature]	6/26/25 1500	1. [Signature]	Comments:
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2.		2.	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. [Signature]	6-26-25 1630	3.	

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

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 : Q2436	CAMP02	Order Date : 6/26/2025 3:41:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/26/2025 4:30:00 PM	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
Q2436-01	TP-70	Solid	06/25/2025	08:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-02	TP-69	Solid	06/25/2025	08:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-03	TP-85	Solid	06/25/2025	09:38	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-04	TP-86	Solid	06/25/2025	10:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-05	TP-84	Solid	06/25/2025	11:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-06	TP-83	Solid	06/25/2025	11:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-07	TP-87	Solid	06/26/2025	08:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-08	TP-100	Solid	06/26/2025	08:45					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2436	CAMP02	Order Date : 6/26/2025 3:41:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/26/2025 4:30:00 PM	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
Q2436-09	TP-99	Solid	06/26/2025	09:30	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2436-10	TP-82	Solid	06/26/2025	10:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By: 

Date / Time : 6-27-25 0900

Received By: 

Date / Time : 06/27/25

Storage Area : VOA Refridgerator Room