

Cover Page

Order ID : Q2413

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2413-01
Q2413-02
Q2413-03
Q2413-04
Q2413-05
Q2413-06

Client Sample Number

TP-35
TP-34
TP-77
TP-74
TP-73
TP-72

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: 7/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2413

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 07/01/2025

LAB CHRONICLE

OrderID:	Q2413	OrderDate:	6/24/2025 3:05:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2413-01	TP-35	SOIL			06/23/25			06/24/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-02	TP-34	SOIL			06/23/25			06/24/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-03	TP-77	SOIL			06/23/25			06/24/25
			Diesel Range Organics	8015D		06/30/25	06/30/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-04	TP-74	SOIL			06/23/25			06/24/25
			Diesel Range Organics	8015D		06/30/25	07/01/25	
			Herbicide	8151A		06/26/25	06/27/25	
			PCB	8082A		06/26/25	06/26/25	
			Pesticide-TCL	8081B		06/26/25	06/27/25	
			Gasoline Range Organics	8015D			06/26/25	
Q2413-05	TP-73	SOIL			06/23/25			06/24/25
			Diesel Range Organics	8015D		06/30/25	07/01/25	
			Herbicide	8151A		06/26/25	06/27/25	

LAB CHRONICLE

Q2413-06	TP-72	SOIL	PCB	8082A	06/26/25	06/26/25	06/24/25	06/24/25
			Pesticide-TCL	8081B	06/26/25	06/27/25		
			Gasoline Range Organics	8015D		06/26/25		
		Diesel Range Organics	8015D	06/30/25	07/01/25			
		Gasoline Range Organics	8015D		06/26/25			
		Herbicide	8151A	06/26/25	06/27/25			
		PCB	8082A	06/26/25	06/26/25			
		Pesticide-TCL	8081B	06/26/25	06/27/25			



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

Hit Summary Sheet
SW-846

SDG No.: Q2413

Order ID: Q2413

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.: Q2413

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	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-PS030837.D	PIBLK-PS030837.D	2,4-DCAA	1	500	530	106		61	136
		2,4-DCAA	2	500	577	115		61	136
PB168634BS	PB168634BS	2,4-DCAA	1	500	515	103		10	141
		2,4-DCAA	2	500	507	101		10	141
Q2405-01MS	MH-M/NMS	2,4-DCAA	1	500	309	62		10	141
		2,4-DCAA	2	500	307	61		10	141
Q2405-01MSD	MH-M/NMSD	2,4-DCAA	1	500	309	62		10	141
		2,4-DCAA	2	500	308	62		10	141
Q2413-01	TP-35	2,4-DCAA	1	500	216	43		10	141
		2,4-DCAA	2	500	232	46		10	141
Q2413-02	TP-34	2,4-DCAA	1	500	289	58		10	141
		2,4-DCAA	2	500	263	53		10	141
Q2413-03	TP-77	2,4-DCAA	1	500	415	83		10	141
		2,4-DCAA	2	500	610	122		10	141
Q2413-04	TP-74	2,4-DCAA	1	500	335	67		10	141
		2,4-DCAA	2	500	550	110		10	141
Q2413-05	TP-73	2,4-DCAA	1	500	253	51		10	141
		2,4-DCAA	2	500	273	55		10	141
I.BLK-PS030849.D	PIBLK-PS030849.D	2,4-DCAA	1	500	532	106		61	136
		2,4-DCAA	2	500	573	115		61	136
Q2413-06	TP-72	2,4-DCAA	1	500	238	48		10	141
		2,4-DCAA	2	500	211	42		10	141
I.BLK-PS030858.D	PIBLK-PS030858.D	2,4-DCAA	1	500	549	110		61	136
		2,4-DCAA	2	500	591	118		61	136
I.BLK-PS030861.D	PIBLK-PS030861.D	2,4-DCAA	1	500	464	93		61	136
		2,4-DCAA	2	500	484	97		61	136
PB168634BL	PB168634BL	2,4-DCAA	1	500	446	89		10	141
		2,4-DCAA	2	500	563	113		10	141
I.BLK-PS030865.D	PIBLK-PS030865.D	2,4-DCAA	1	500	464	93		61	136
		2,4-DCAA	2	500	486	97		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030842.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2405-01MS (Column 1)	MH-M/NMS											
	DICAMBA	183.1	0	101	ug/Kg	55				10	112	
	DICHLORPROP	183.1	0	109	ug/Kg	60				10	113	
	2,4-D	183.1	0	131	ug/Kg	72				10	144	
	2,4,5-TP(Silvex)	183.1	0	113	ug/Kg	62				10	114	
	2,4,5-T	183.1	0	112	ug/Kg	61				10	115	
	2,4-DB	183.1	0	91.5	ug/Kg	50				10	140	
Client Sample ID: Q2405-01MS (Column 2)	Dinoseb	183.1	0	15.3	ug/Kg	8	*			10	118	
	MH-M/NMS											
	DICAMBA	183.1	0	101	ug/Kg	55				10	112	
	DICHLORPROP	183.1	0	114	ug/Kg	62				10	113	
	2,4-D	183.1	0	115	ug/Kg	63				10	144	
	2,4,5-TP(Silvex)	183.1	0	114	ug/Kg	62				10	114	
	2,4,5-T	183.1	0	109	ug/Kg	60				10	115	
	2,4-DB	183.1	0	104	ug/Kg	57				10	140	
	Dinoseb	183.1	0	15.4	ug/Kg	8	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030843.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2405-01MSD (Column 1)	MH-M/NMSD											
	DICAMBA	183.2	0	100	ug/Kg	55		0		10	112	20
	DICHLORPROP	183.2	0	109	ug/Kg	59		2		10	113	20
	2,4-D	183.2	0	132	ug/Kg	72		0		10	144	20
	2,4,5-TP(Silvex)	183.2	0	113	ug/Kg	62		0		10	114	20
	2,4,5-T	183.2	0	113	ug/Kg	62		2		10	115	20
	2,4-DB	183.2	0	93.9	ug/Kg	51		2		10	140	20
Client Sample ID: Q2405-01MSD (Column 2)	Dinoseb	183.2	0	16.0	ug/Kg	9	*	12		10	118	20
	MH-M/NMSD											
	DICAMBA	183.2	0	101	ug/Kg	55		0		10	112	20
	DICHLORPROP	183.2	0	111	ug/Kg	61		2		10	113	20
	2,4-D	183.2	0	120	ug/Kg	66		5		10	144	20
	2,4,5-TP(Silvex)	183.2	0	114	ug/Kg	62		0		10	114	20
	2,4,5-T	183.2	0	109	ug/Kg	59		2		10	115	20
	2,4-DB	183.2	0	104	ug/Kg	57		0		10	140	20
	Dinoseb	183.2	0	15.5	ug/Kg	8	*	0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2413</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PS030840.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168634BS (Column 1)	DICAMBA	166.6	163	ug/Kg	98				72	129		
	DICHLORPROP	166.6	156	ug/Kg	94				77	135		
	2,4-D	166.6	160	ug/Kg	96				65	144		
	2,4,5-TP(Silvex)	166.6	168	ug/Kg	101				74	146		
	2,4,5-T	166.6	174	ug/Kg	104				77	134		
	2,4-DB	166.6	183	ug/Kg	110				72	122		
	Dinoseb	166.6	167	ug/Kg	100				74	132		
	DICAMBA	166.6	160	ug/Kg	96				72	129		
PB168634BS (Column 2)	DICHLORPROP	166.6	155	ug/Kg	93				77	135		
	2,4-D	166.6	156	ug/Kg	94				65	144		
	2,4,5-TP(Silvex)	166.6	163	ug/Kg	98				74	146		
	2,4,5-T	166.6	165	ug/Kg	99				77	134		
	2,4-DB	166.6	161	ug/Kg	97				72	122		
	Dinoseb	166.6	158	ug/Kg	95				74	132		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168634BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: PB168634BL

Lab File ID: PS030863.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/26/2025

Date Analyzed (1): 06/30/2025

Date Analyzed (2): 06/30/2025

Time Analyzed (1): 16:33

Time Analyzed (2): 16:33

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
PB168634BS	PB168634BS	PS030840.D	06/27/2025	06/27/2025
MH-M/NMS	Q2405-01MS	PS030842.D	06/27/2025	06/27/2025
MH-M/NMSD	Q2405-01MSD	PS030843.D	06/27/2025	06/27/2025
TP-35	Q2413-01	PS030844.D	06/27/2025	06/27/2025
TP-34	Q2413-02	PS030845.D	06/27/2025	06/27/2025
TP-77	Q2413-03	PS030846.D	06/27/2025	06/27/2025
TP-74	Q2413-04	PS030847.D	06/27/2025	06/27/2025
TP-73	Q2413-05	PS030848.D	06/27/2025	06/27/2025
TP-72	Q2413-06	PS030851.D	06/27/2025	06/27/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-35	SDG No.:	Q2413
Lab Sample ID:	Q2413-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.8
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
PS030844.D	1	06/26/25 13:00	06/27/25 19:29	PB168634

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	12.1	U	12.1	75.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	232		10 - 141	46%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 19:29
Operator : AR\AJ
Sample : Q2413-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-35

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:35 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	792.1E6	248.7E6	215.566	232.042

Target Compounds

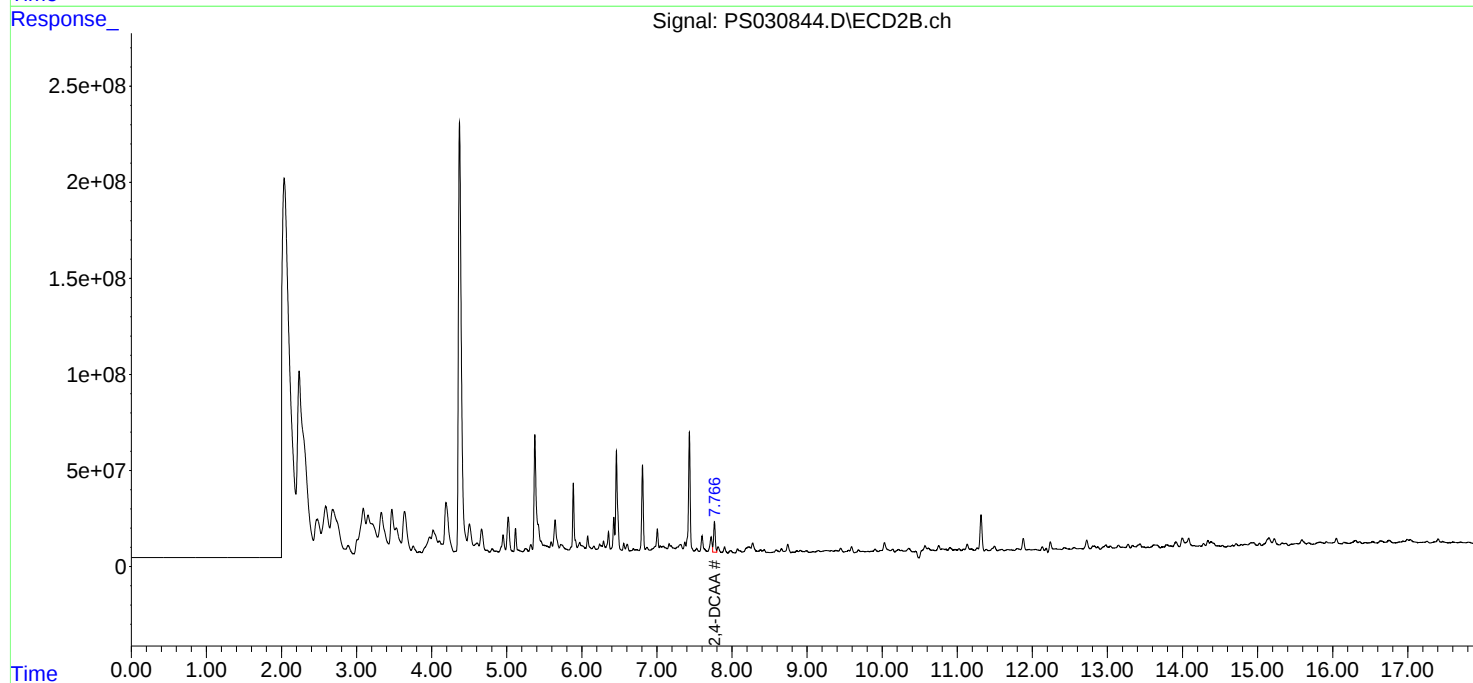
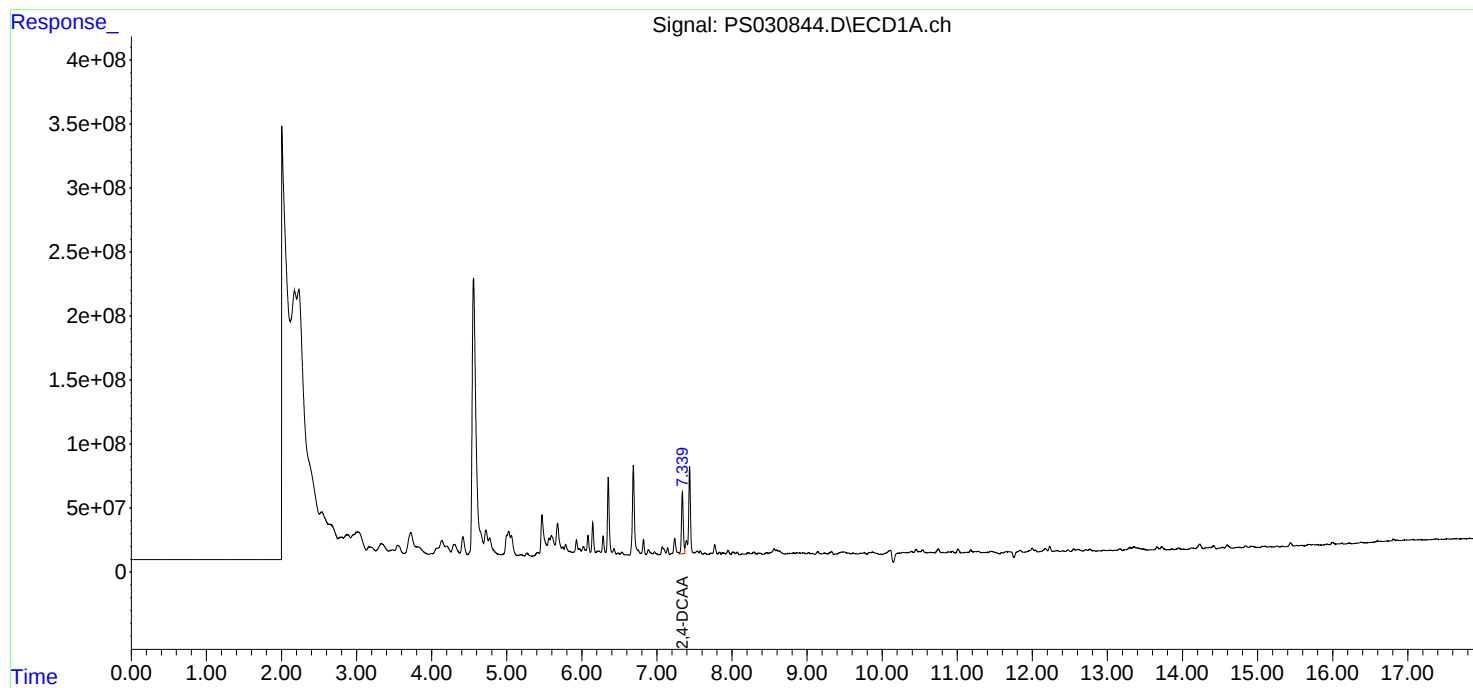
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 19:29
Operator : AR\AJ
Sample : Q2413-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-35

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:35 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: PS030844.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.340 min

Delta R.T.: -0.010 min

Response: 792076201

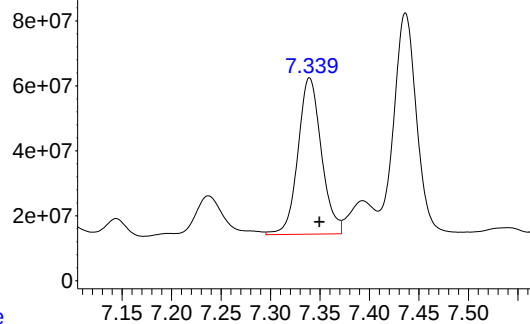
Conc: 215.57 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-35



Time

Response_

Signal: PS030844.D\ECD2B.ch

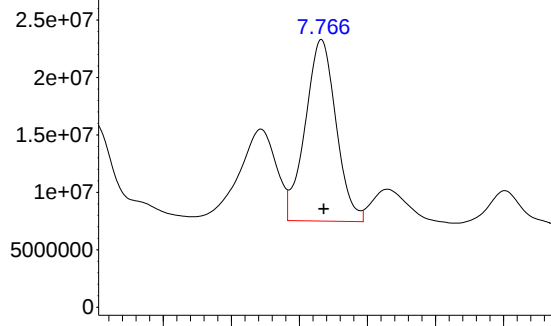
#4 2,4-DCAA

R.T.: 7.766 min

Delta R.T.: -0.002 min

Response: 248740300

Conc: 232.04 ng/ml



Time

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-34	SDG No.:	Q2413
Lab Sample ID:	Q2413-02	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
PS030845.D	1	06/26/25 13:00	06/27/25 19:53	PB168634

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	289		10 - 141	58%	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\PS062725\
Data File : PS030845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 19:53
Operator : AR\AJ
Sample : Q2413-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-34

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.340	7.766	1061.2E6	282.0E6	288.805	263.112m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 19:53
Operator : AR\AJ
Sample : Q2413-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

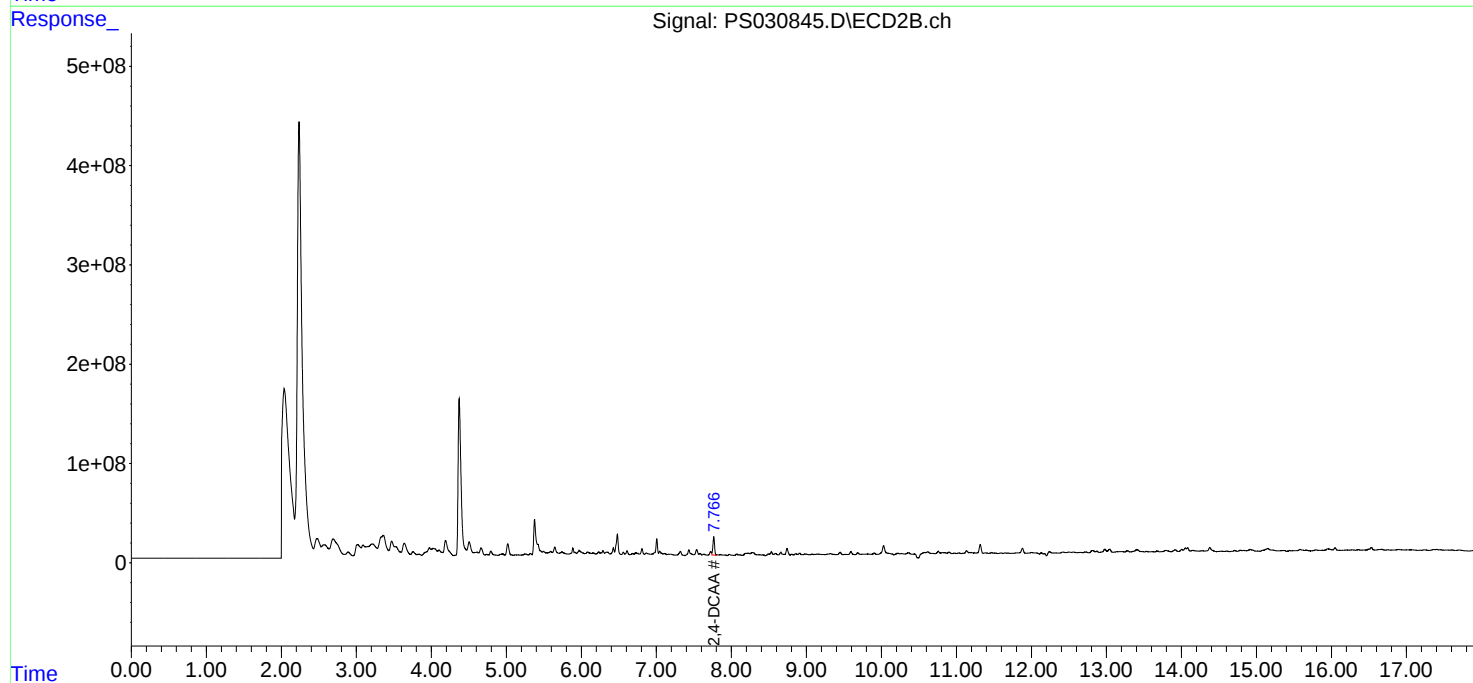
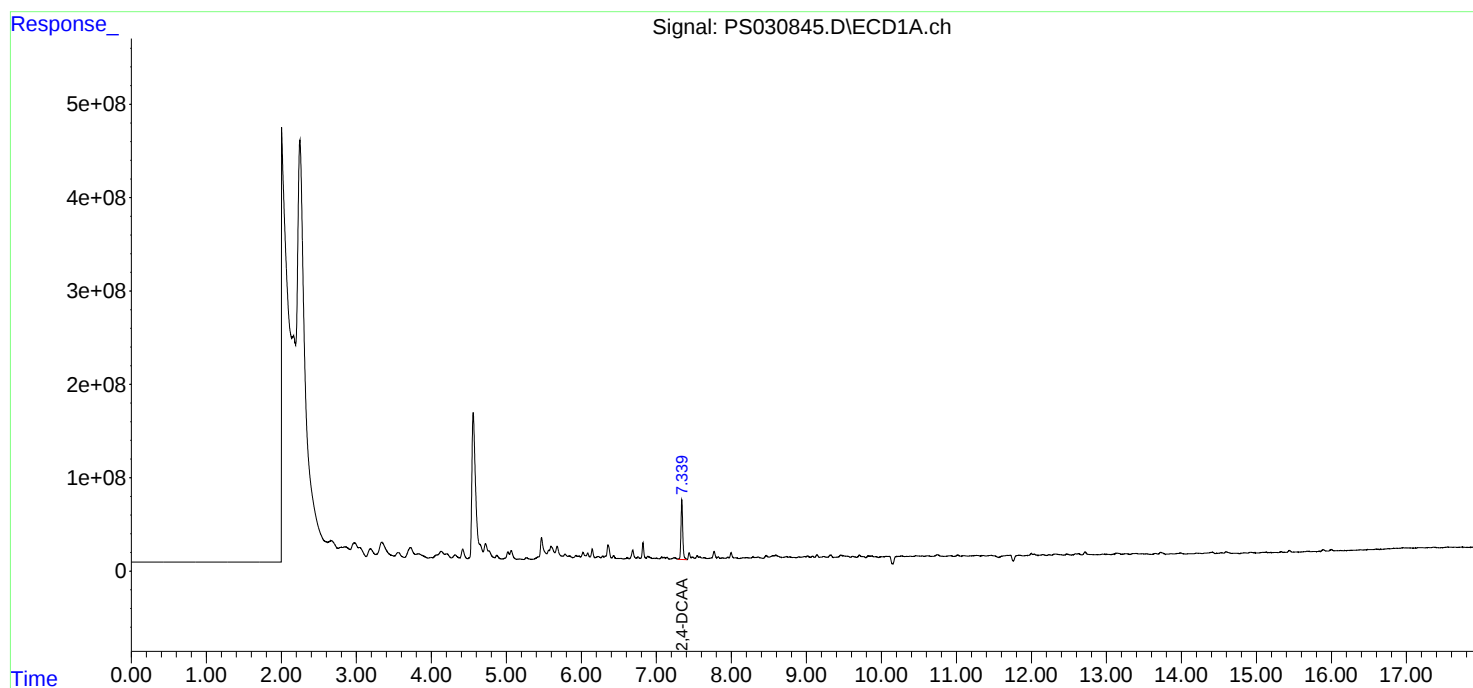
Instrument :
ECD_S
ClientSampleId :
TP-34

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

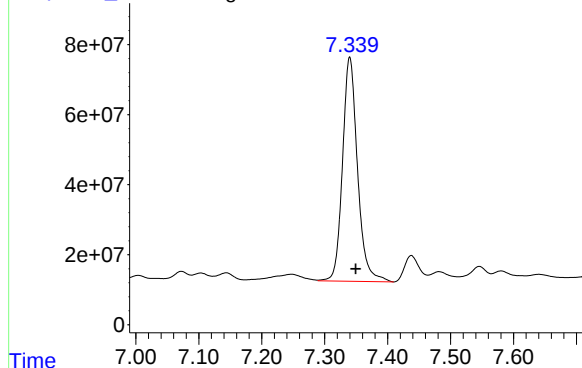
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS030845.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.340 min
Delta R.T.: -0.010 min
Response: 1061182723
Conc: 288.80 ng/ml

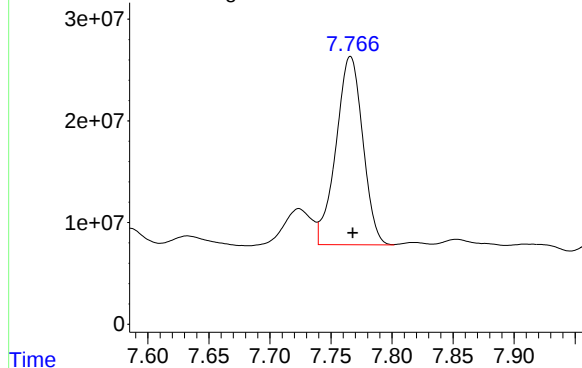
Instrument :
ECD_S
ClientSampleId :
TP-34

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025

Signal: PS030845.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 282046489
Conc: 263.11 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-77	SDG No.:	Q2413
Lab Sample ID:	Q2413-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4
Sample Wt/Vol:	30.01	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
PS030846.D	1	06/26/25 13:00	06/27/25 20:17	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.3	ug/Kg
120-36-5	DICHLORPROP	14.0	U	14.0	73.3	ug/Kg
94-75-7	2,4-D	9.90	U	9.90	73.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.90	U	9.90	73.3	ug/Kg
93-76-5	2,4,5-T	9.50	U	9.50	73.3	ug/Kg
94-82-6	2,4-DB	26.5	U	26.5	73.3	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	610		10 - 141	122%	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\PS062725\
Data File : PS030846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 20:17
Operator : AR\AJ
Sample : Q2413-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-77

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:05 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

System Monitoring Compounds						
4) S 2,4-DCAA	7.337	7.771	1525.6E6	653.4E6	415.186	609.572 #

Target Compounds

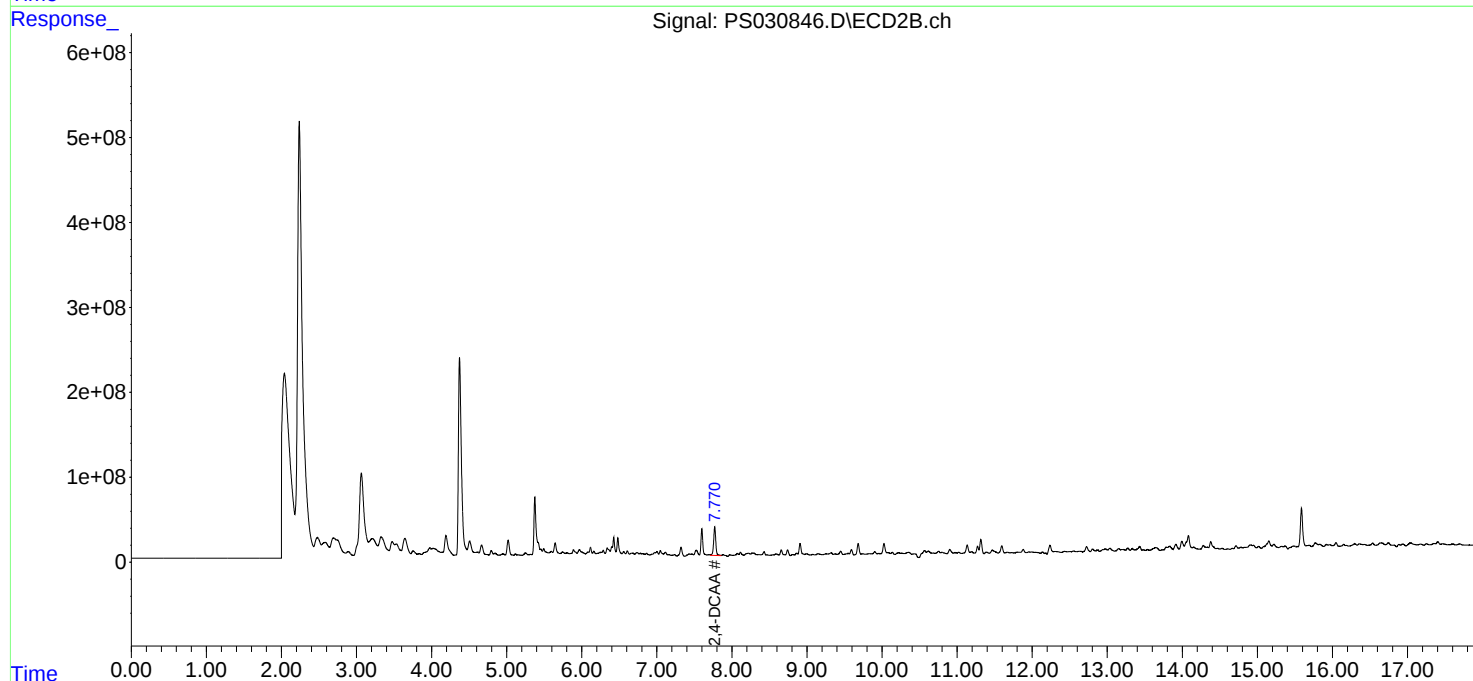
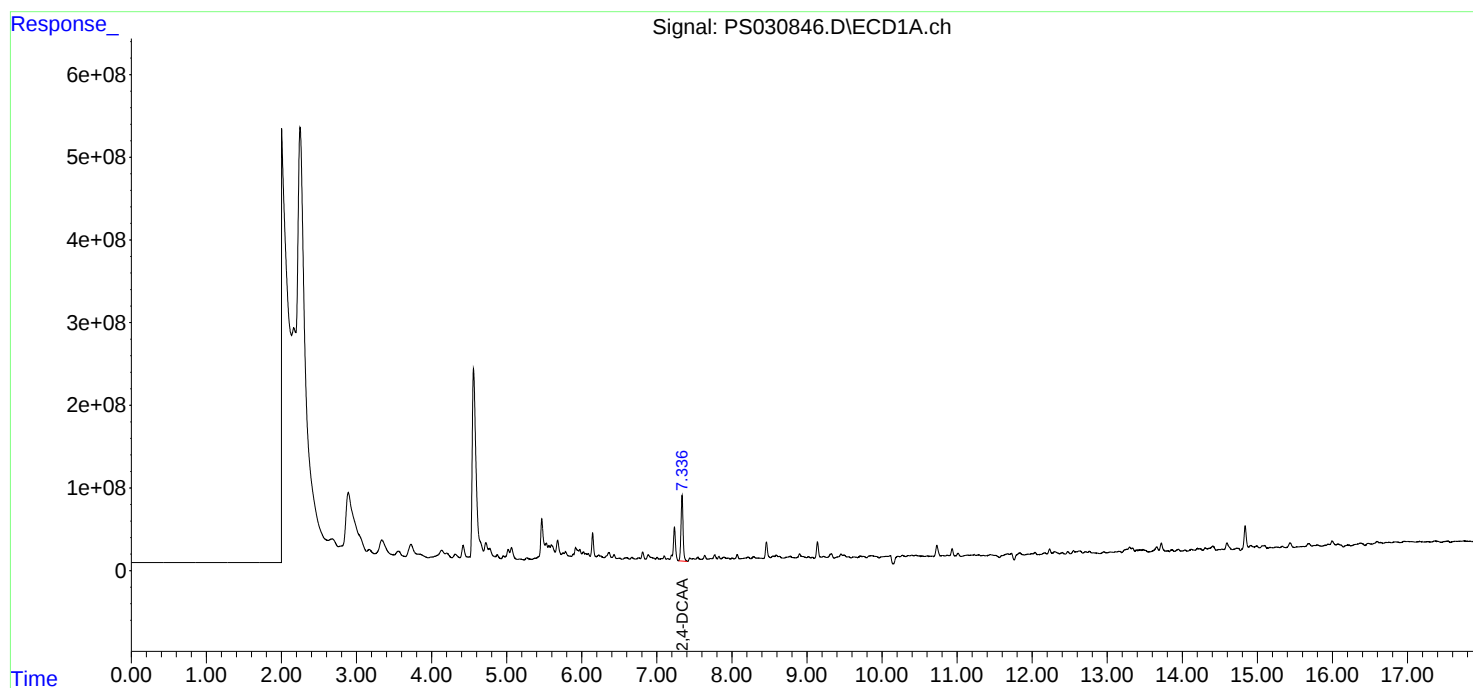
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

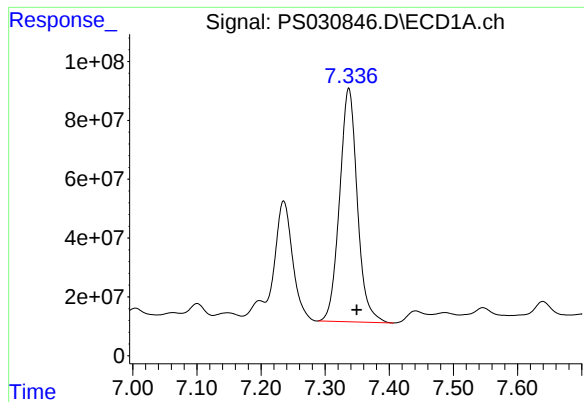
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 20:17
Operator : AR\AJ
Sample : Q2413-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-77

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:05 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

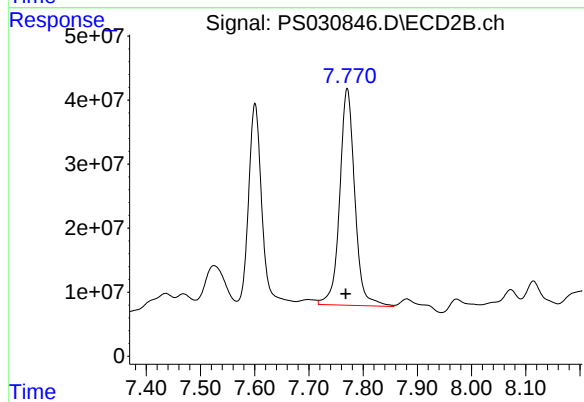




#4 2,4-DCAA

R.T.: 7.337 min
Delta R.T.: -0.013 min
Response: 1525557126
Conc: 415.19 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-77



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: 0.003 min
Response: 653439430
Conc: 609.57 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-74	SDG No.:	Q2413
Lab Sample ID:	Q2413-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.5
Sample Wt/Vol:	30.03	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
PS030847.D	1	06/26/25 13:00	06/27/25 20:41	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	74.8	ug/Kg
120-36-5	DICHLORPROP	14.3	U	14.3	74.8	ug/Kg
94-75-7	2,4-D	10.1	U	10.1	74.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.1	U	10.1	74.8	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	74.8	ug/Kg
94-82-6	2,4-DB	27.0	U	27.0	74.8	ug/Kg
88-85-7	DINOSEB	12.1	U	12.1	74.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	550		10 - 141	110%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
 Data File : PS030847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 20:41
 Operator : AR\AJ
 Sample : Q2413-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-74

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:25:19 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.336	7.771	1231.0E6	590.0E6	335.008	550.426m#

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 20:41
Operator : AR\AJ
Sample : Q2413-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

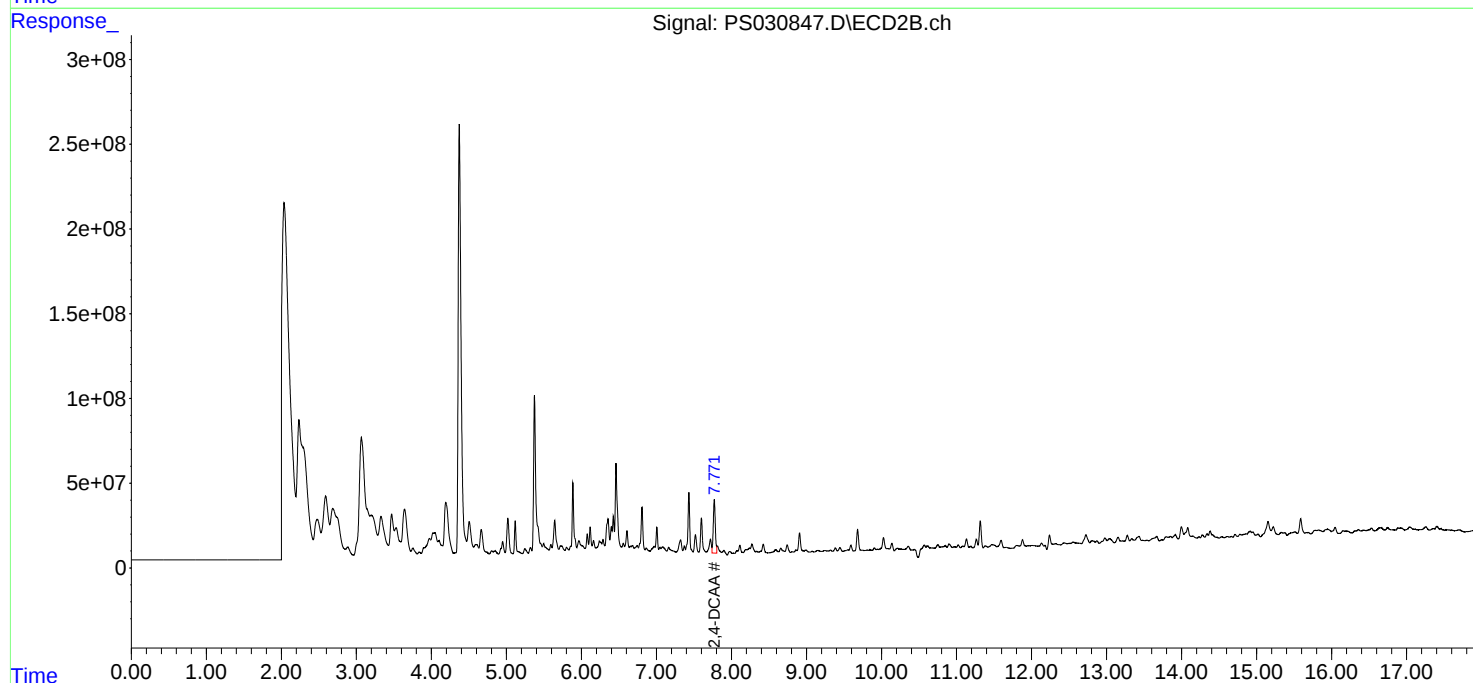
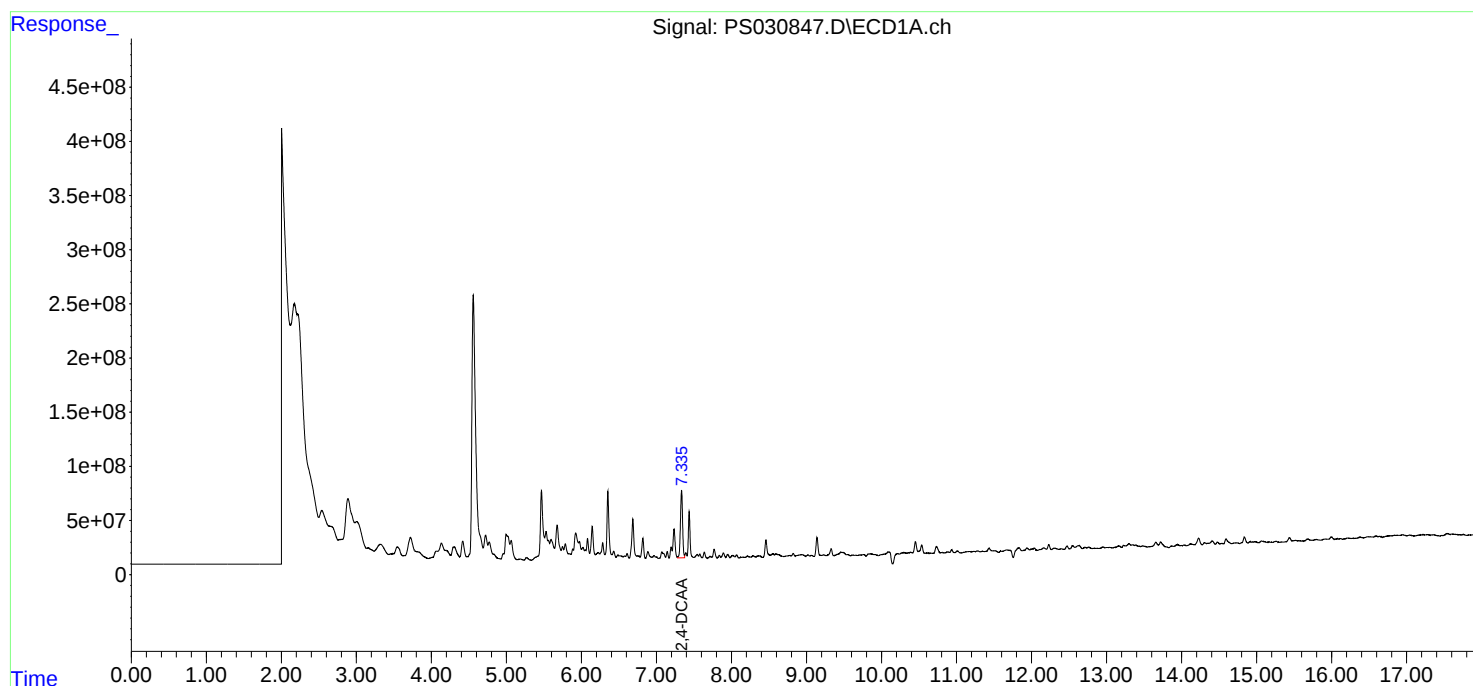
Instrument :
ECD_S
ClientSampleId :
TP-74

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:19 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

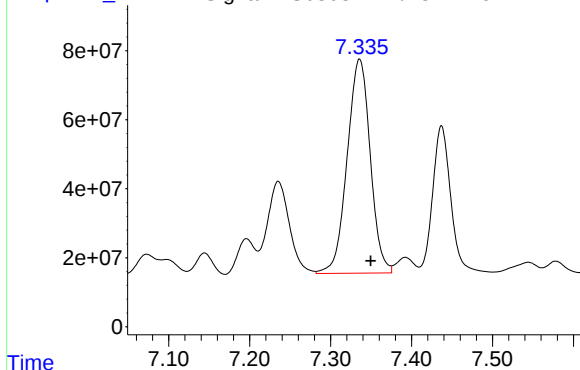
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_

Signal: PS030847.D\ECD1A.ch

#4 2,4-DCAA



R.T.: 7.336 min

Delta R.T.: -0.014 min

Response: 1230952235

Conc: 335.01 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-74

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/30/2025

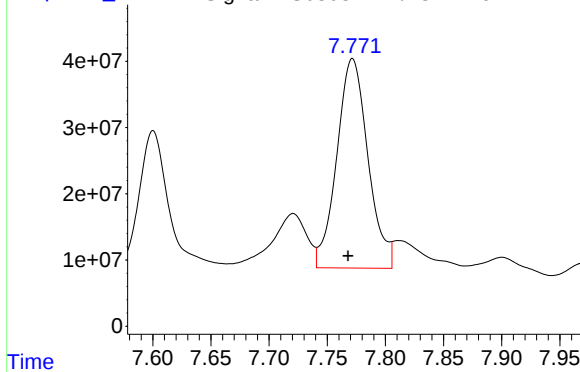
Supervised By :mohammad ahmed 07/01/2025

Time

Response_

Signal: PS030847.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.771 min

Delta R.T.: 0.003 min

Response: 590037224

Conc: 550.43 ng/ml m

Time

Report of Analysis

Client:	CDM Smith	Date Collected:	06/23/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-73	SDG No.:	Q2413
Lab Sample ID:	Q2413-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77.1
Sample Wt/Vol:	30.08	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
PS030848.D	1	06/26/25 13:00	06/27/25 21:05	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.0	U	10.0	86.7	ug/Kg
120-36-5	DICHLORPROP	16.6	U	16.6	86.7	ug/Kg
94-75-7	2,4-D	11.7	U	11.7	86.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.7	U	11.7	86.7	ug/Kg
93-76-5	2,4,5-T	11.3	U	11.3	86.7	ug/Kg
94-82-6	2,4-DB	31.3	U	31.3	86.7	ug/Kg
88-85-7	DINOSEB	14.0	U	14.0	86.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	273		10 - 141	55%	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\PS062725\
Data File : PS030848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:05
Operator : AR\AJ
Sample : Q2413-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-73

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:30 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	928.9E6	292.5E6	252.794	272.871

Target Compounds

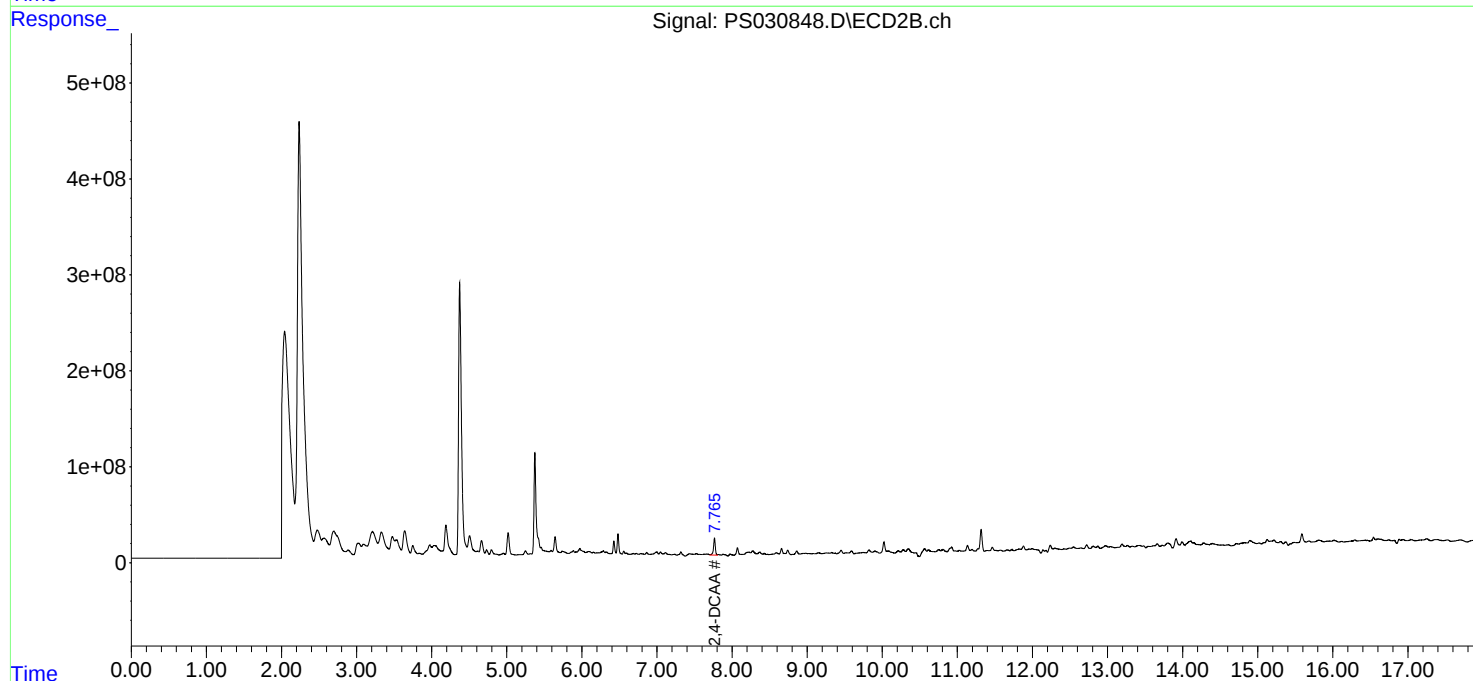
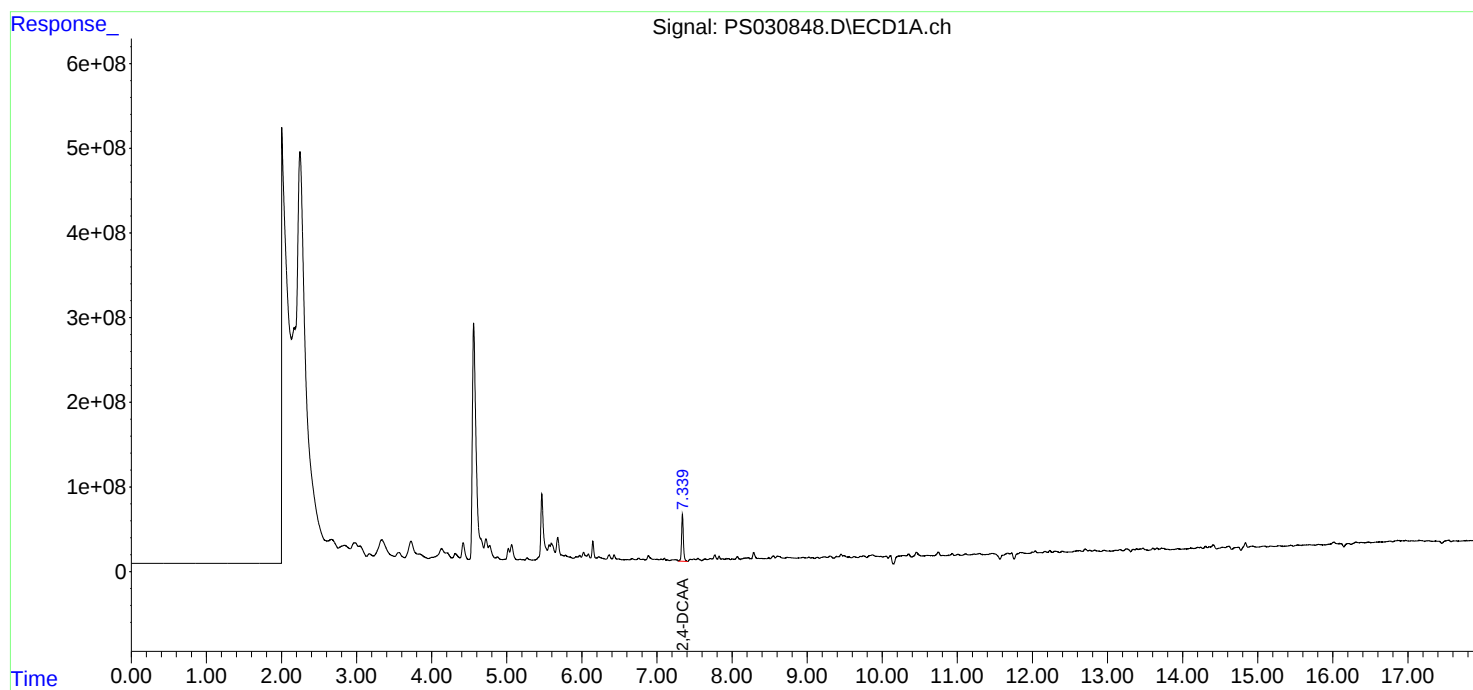
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

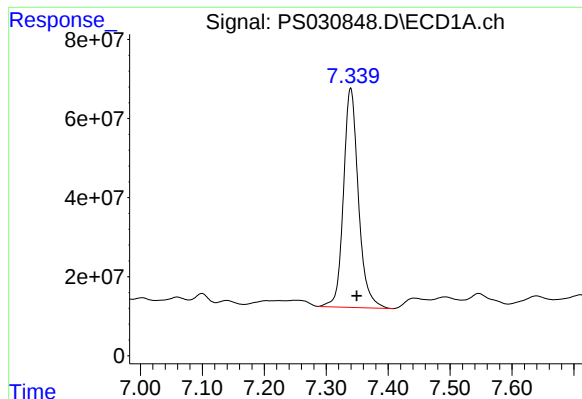
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:05
Operator : AR\AJ
Sample : Q2413-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-73

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:30 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

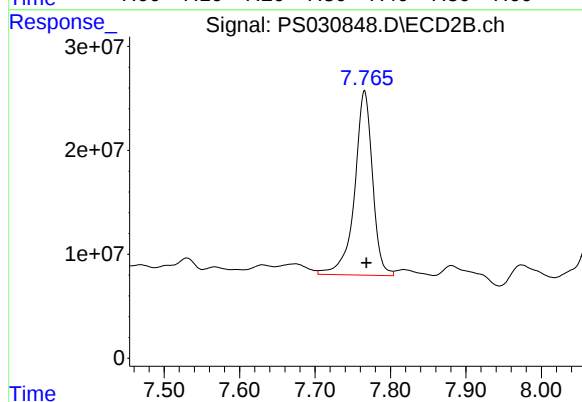




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.010 min
Response: 928864017
Conc: 252.79 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-73



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 292508278
Conc: 272.87 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	TP-72	SDG No.:	Q2413
Lab Sample ID:	Q2413-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87
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
PS030851.D	1	06/26/25 13:00	06/27/25 22:41	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.9	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	76.9	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	76.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.9	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	76.9	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	76.9	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	76.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	238		10 - 141	48%	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\PS062725\
 Data File : PS030851.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 22:41
 Operator : AR\AJ
 Sample : Q2413-06
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-72

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 02:36:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.339	7.766	875.4E6	226.3E6	238.243	211.063m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 22:41
Operator : AR\AJ
Sample : Q2413-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

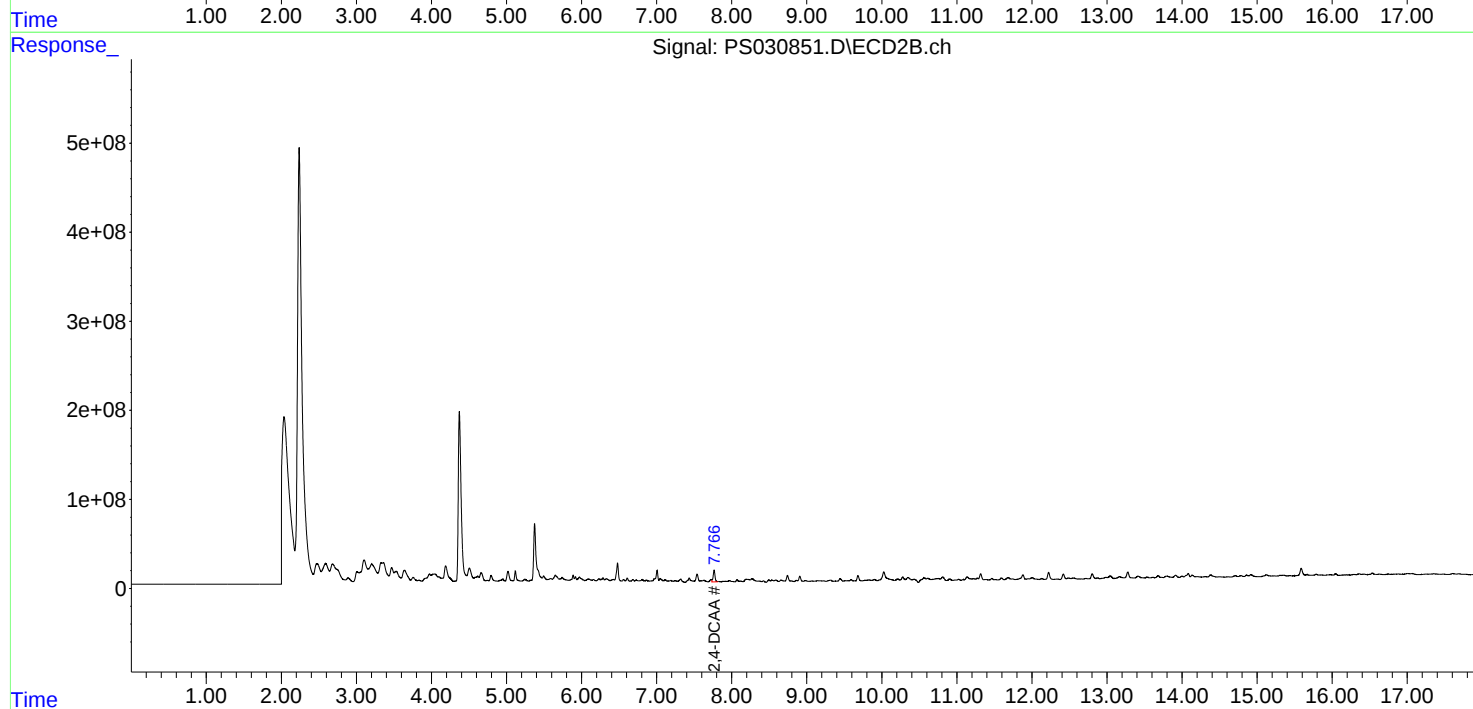
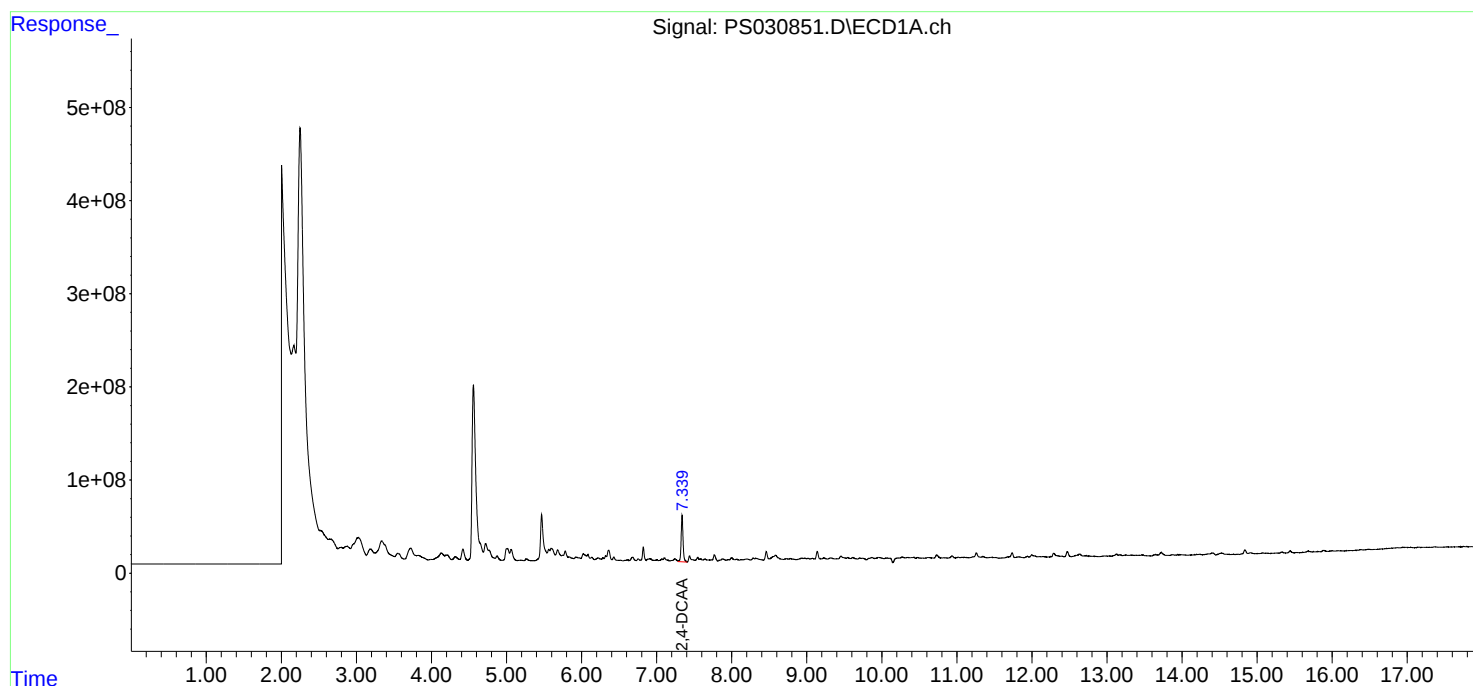
Instrument :
ECD_S
ClientSampleId :
TP-72

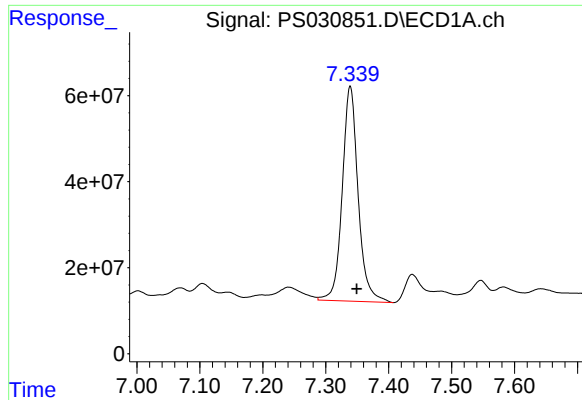
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 02:36:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





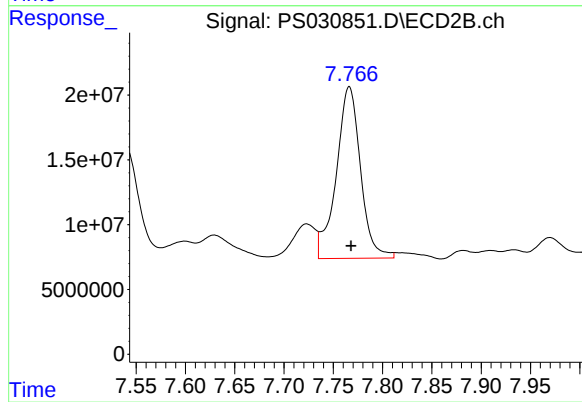
#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.011 min
Response: 875399471
Conc: 238.24 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-72

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 226251488
Conc: 211.06 ng/ml m



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413
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

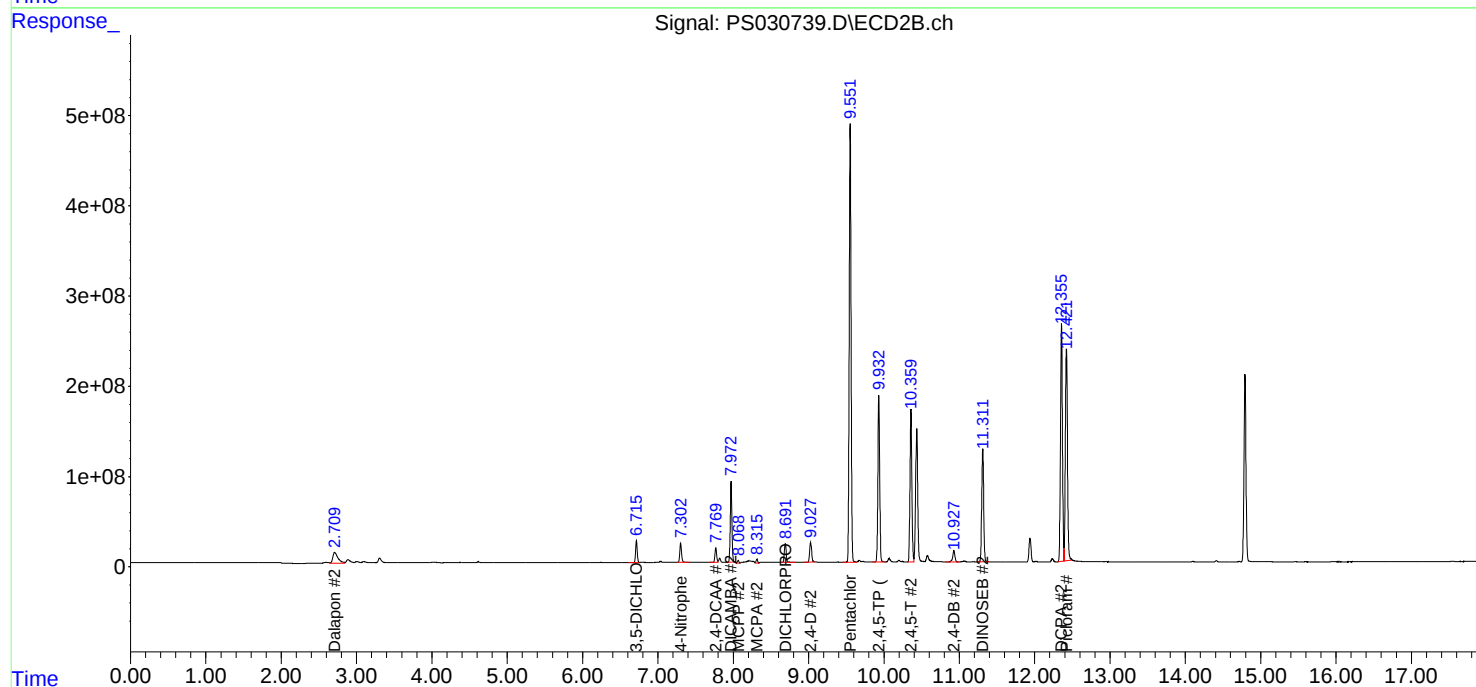
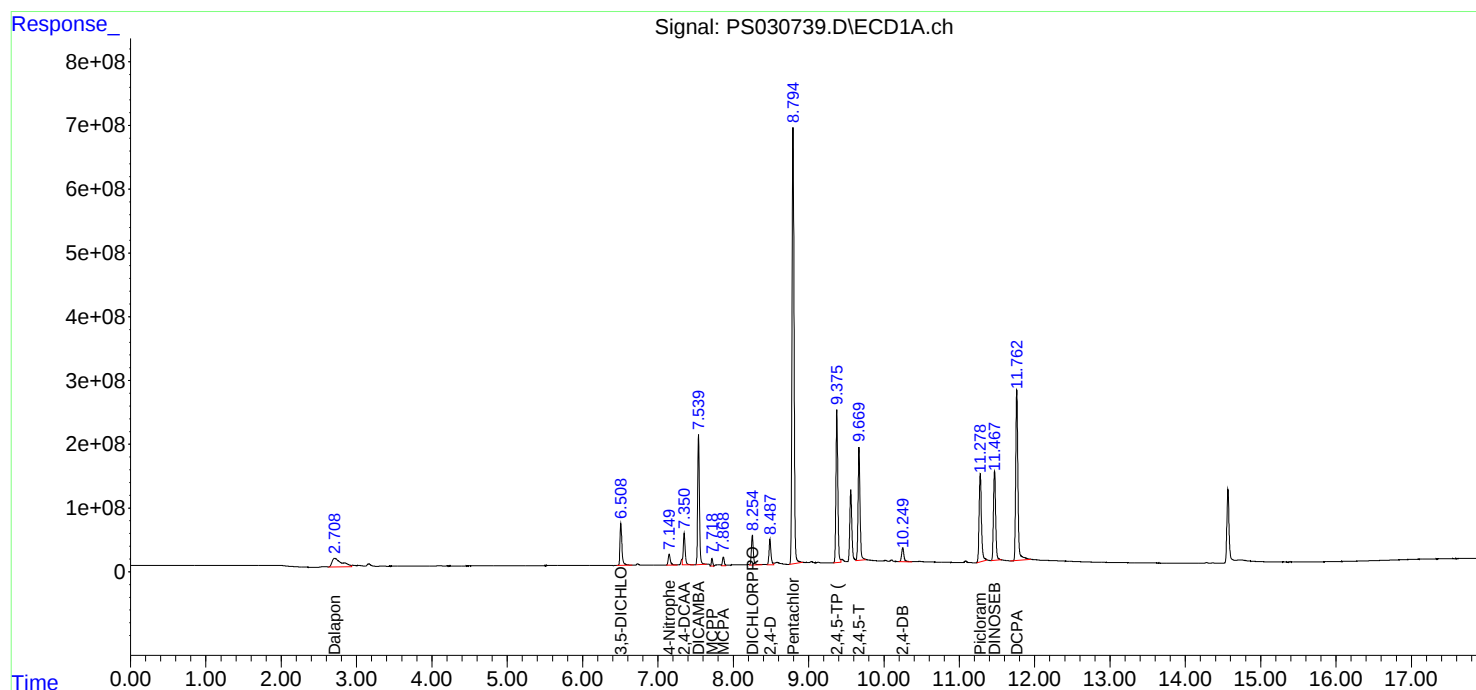
APPROVED

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	MCPD	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

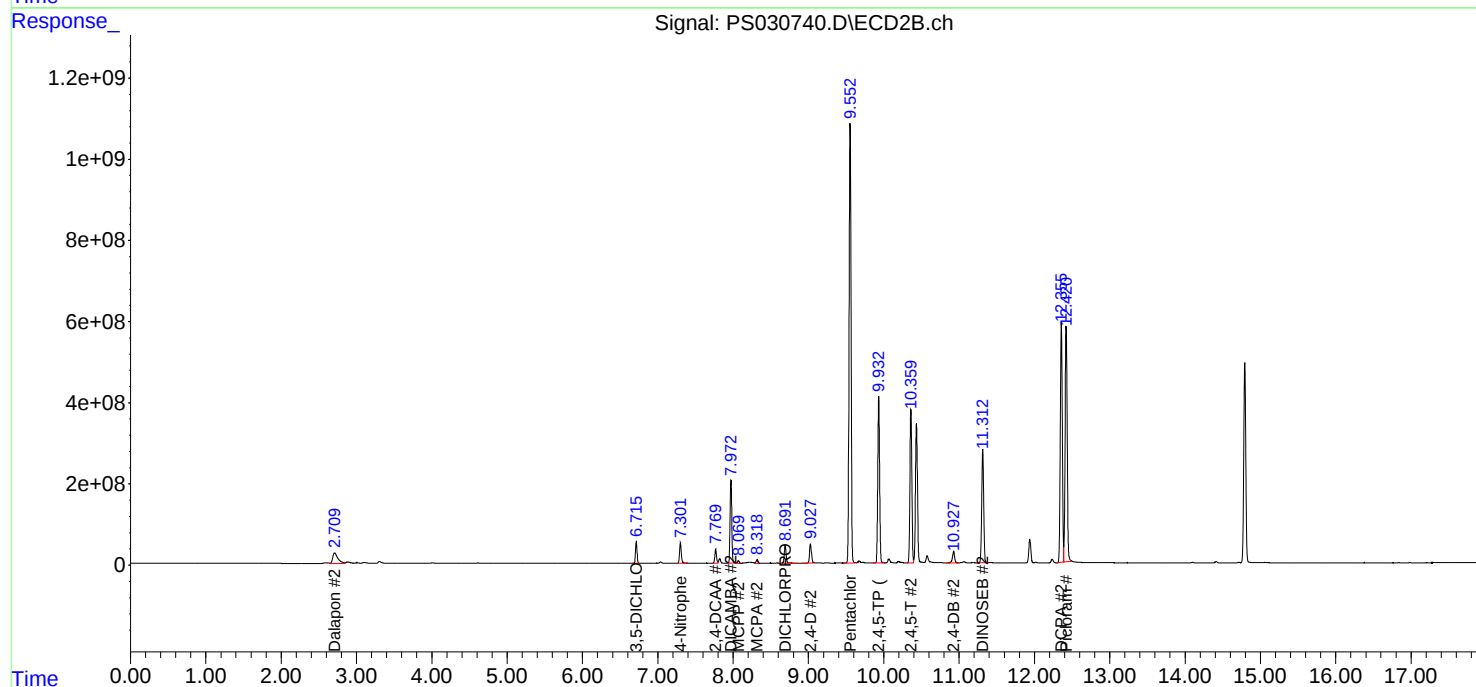
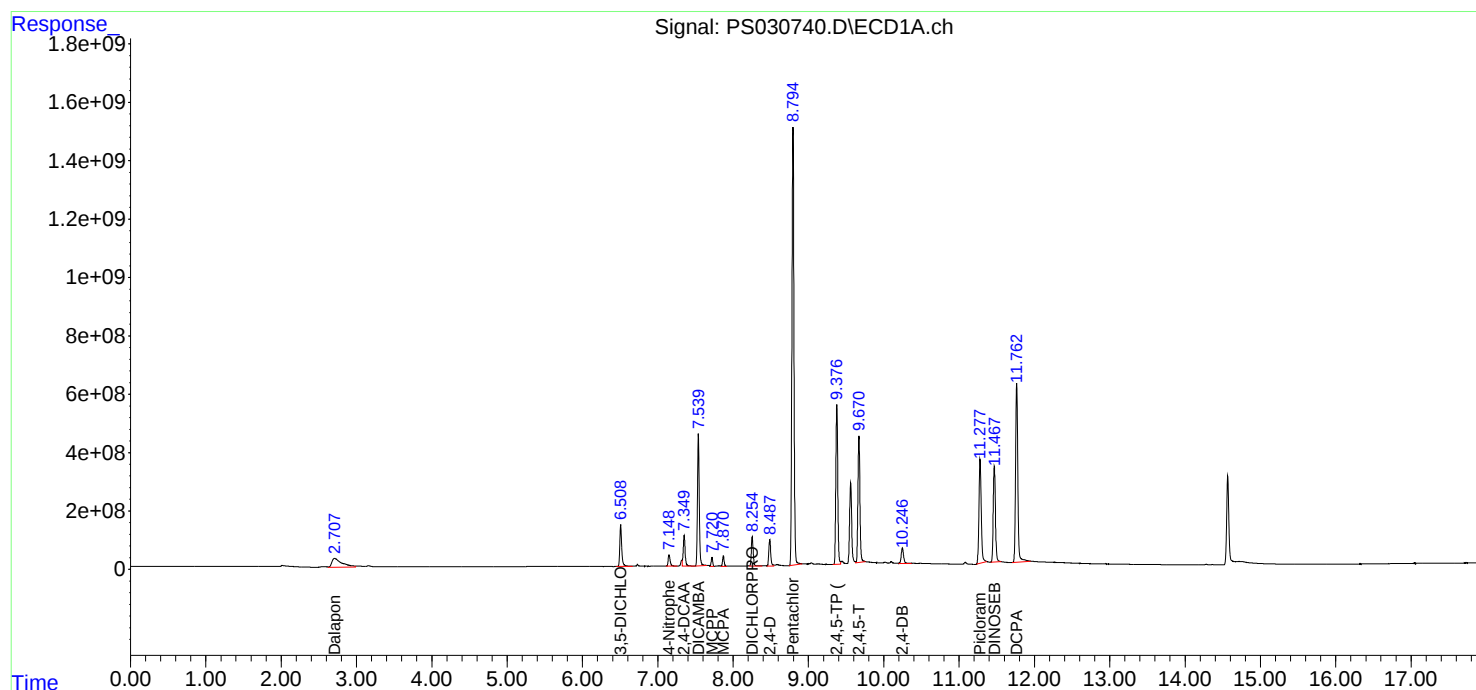
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

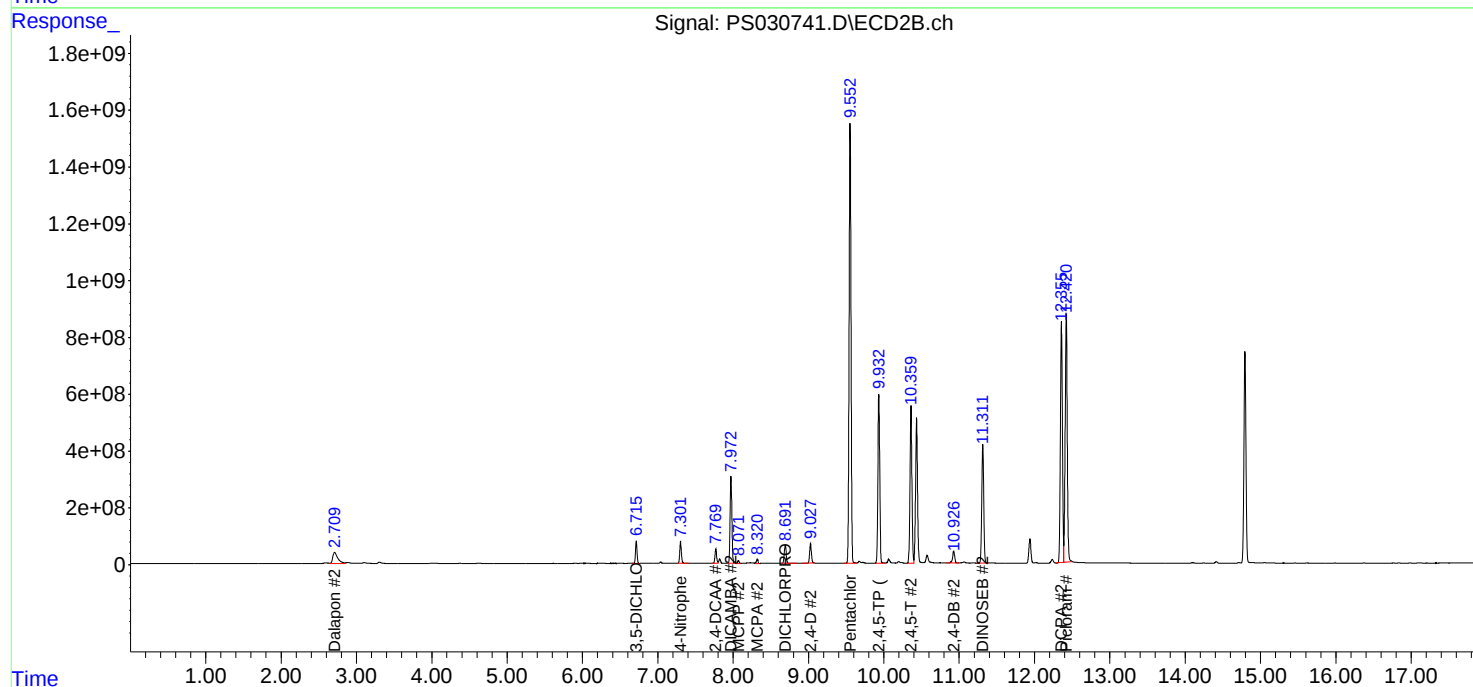
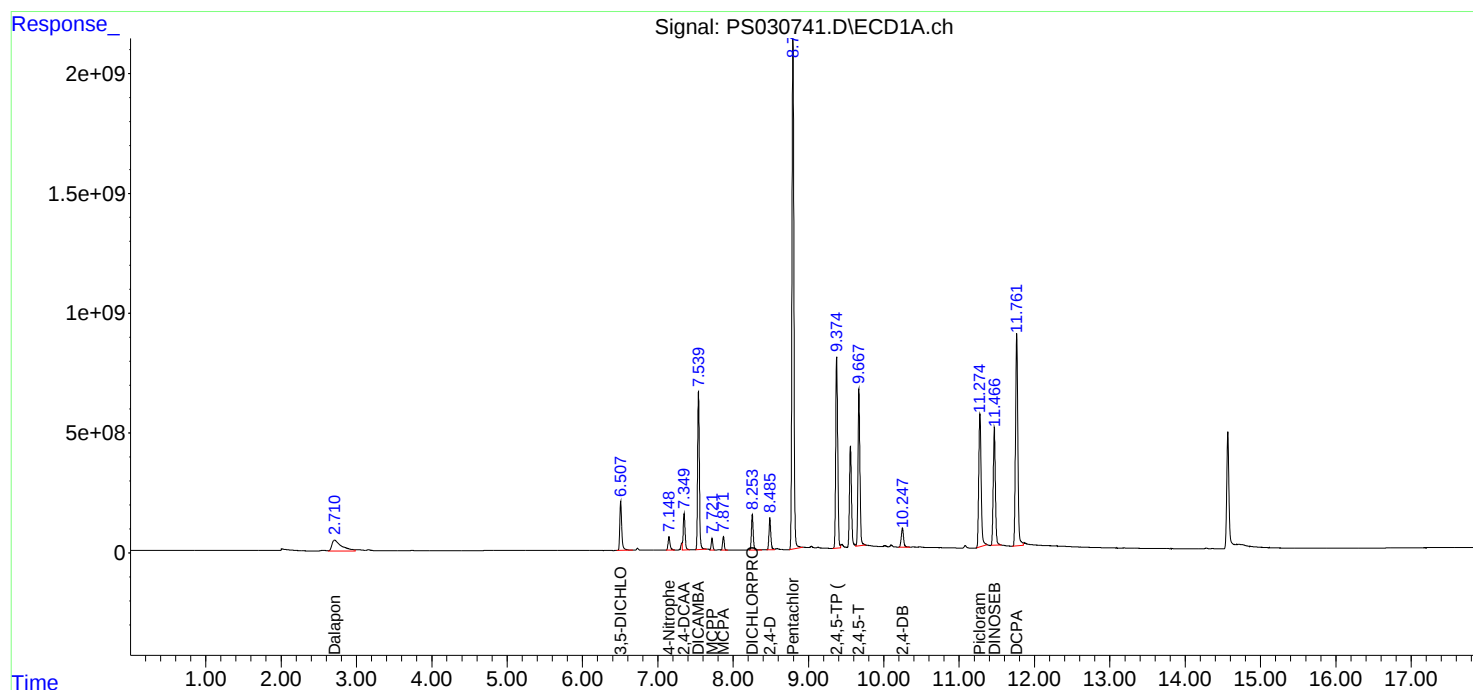
APPROVED

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

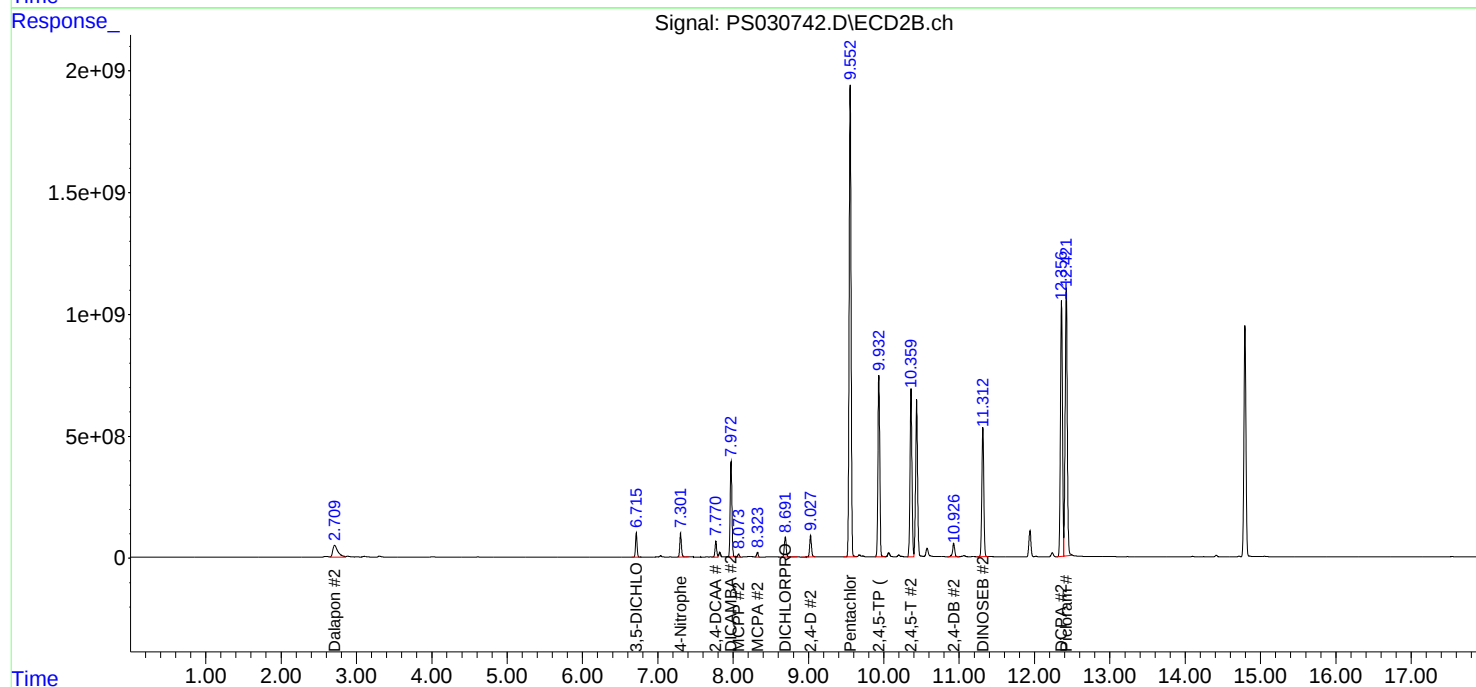
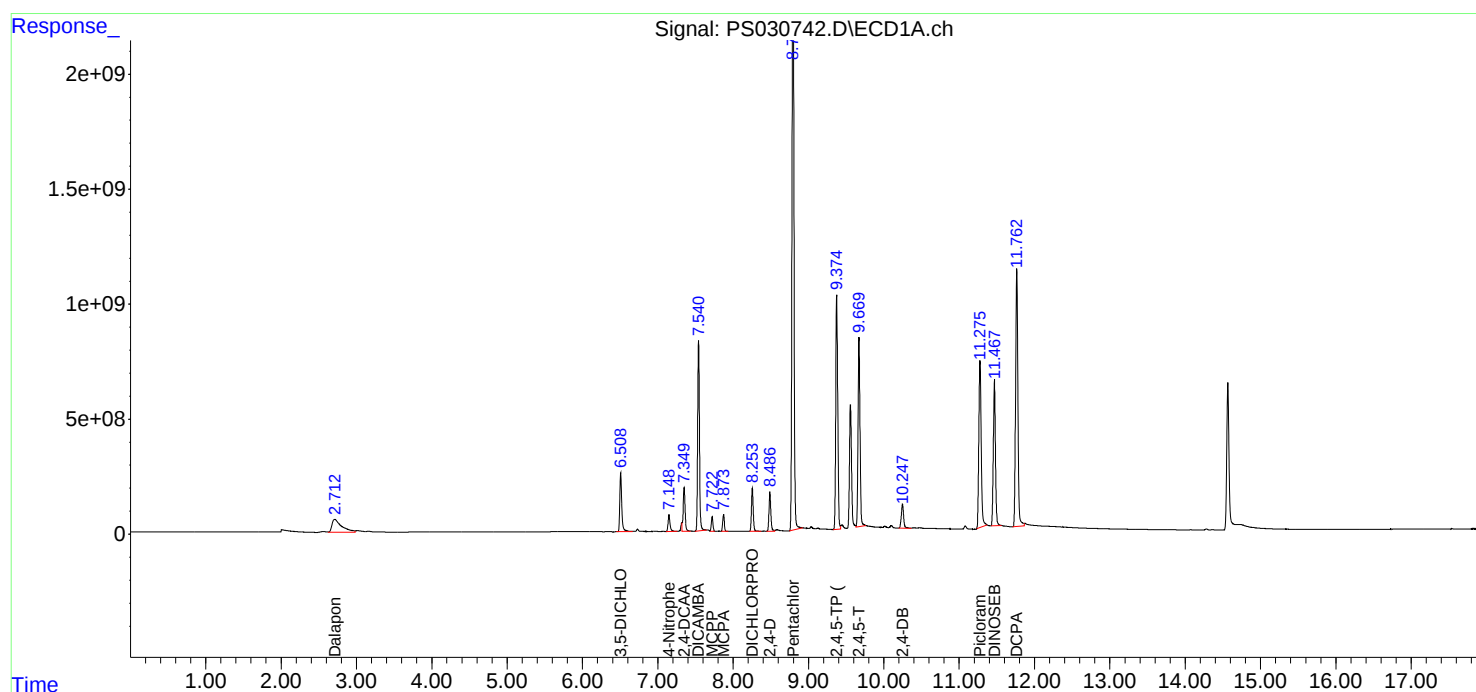
APPROVED

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

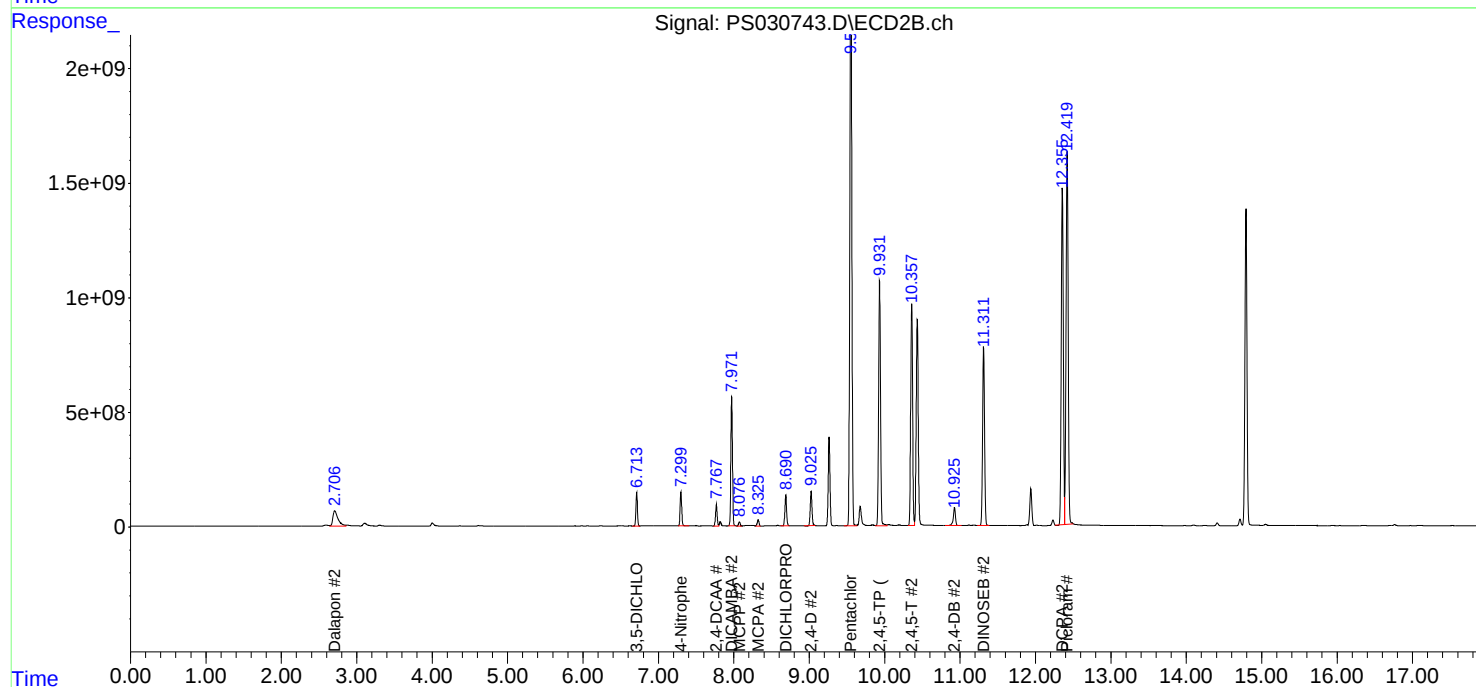
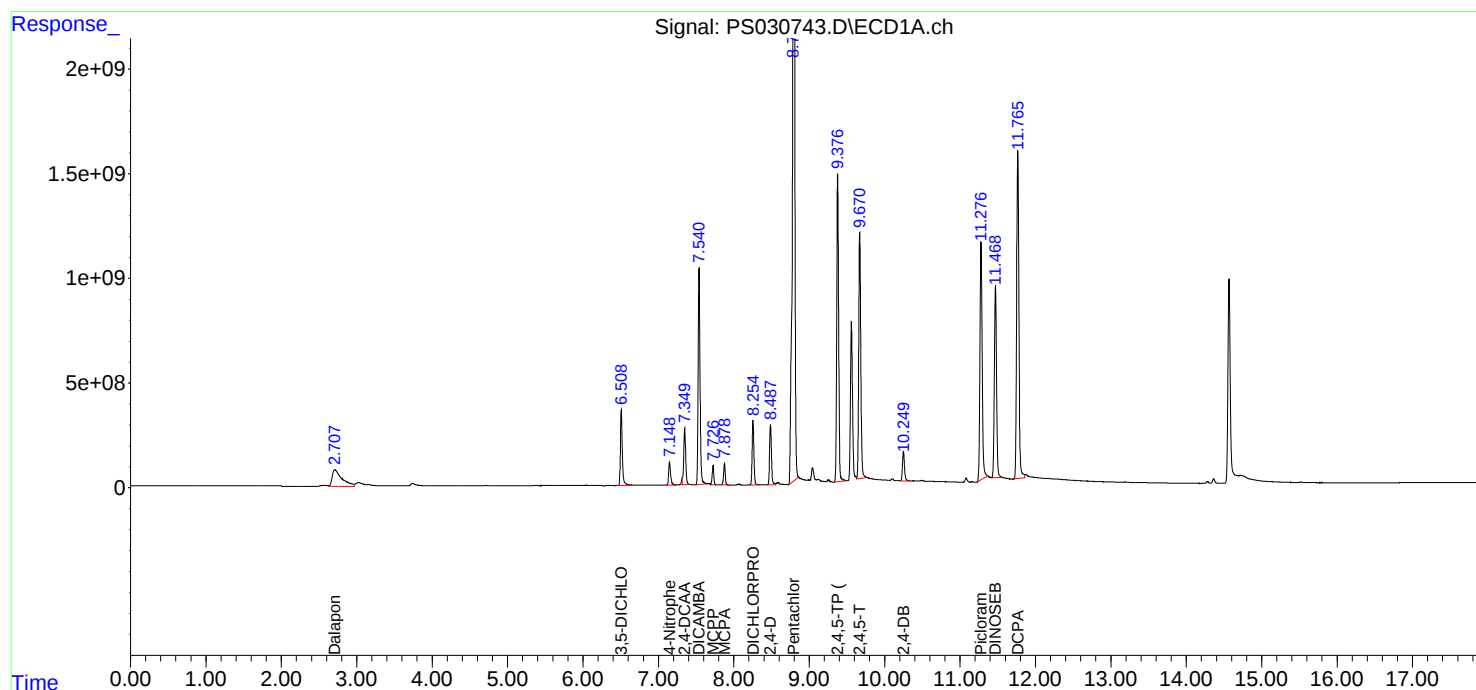
APPROVED

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

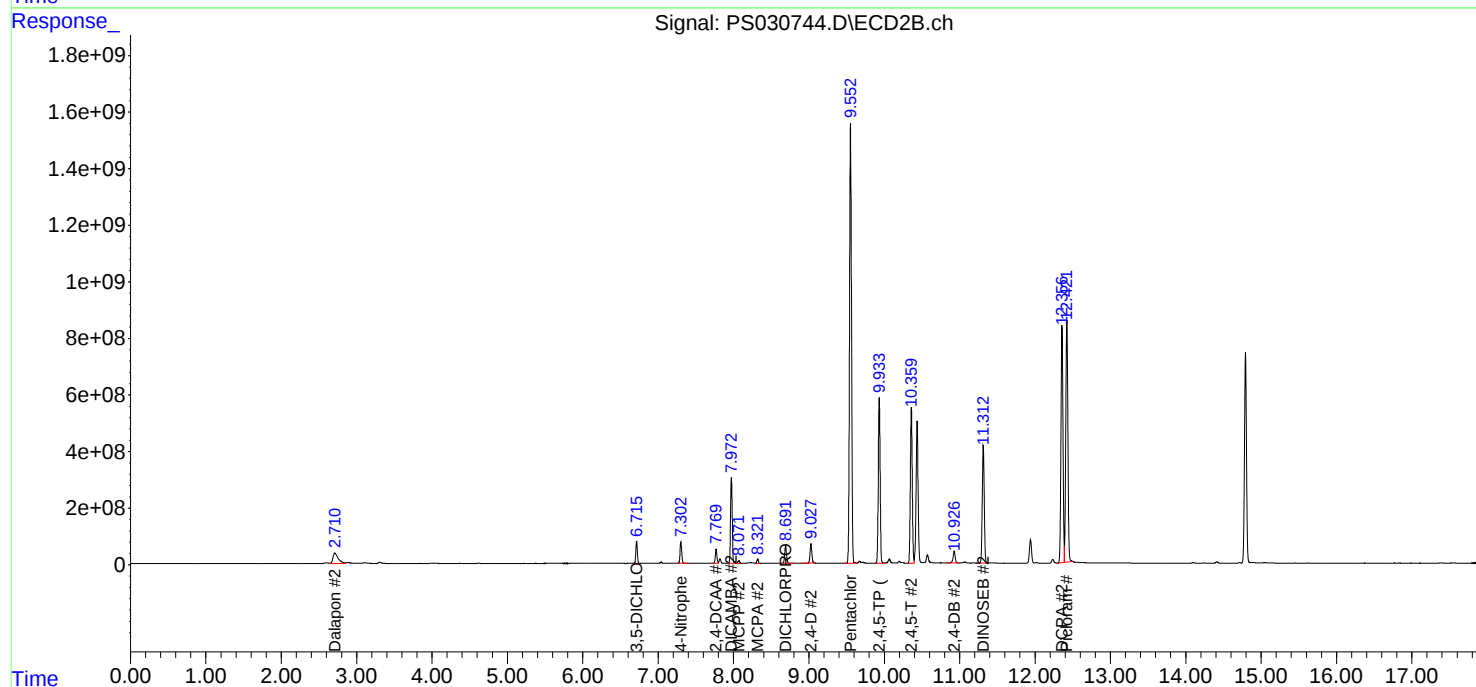
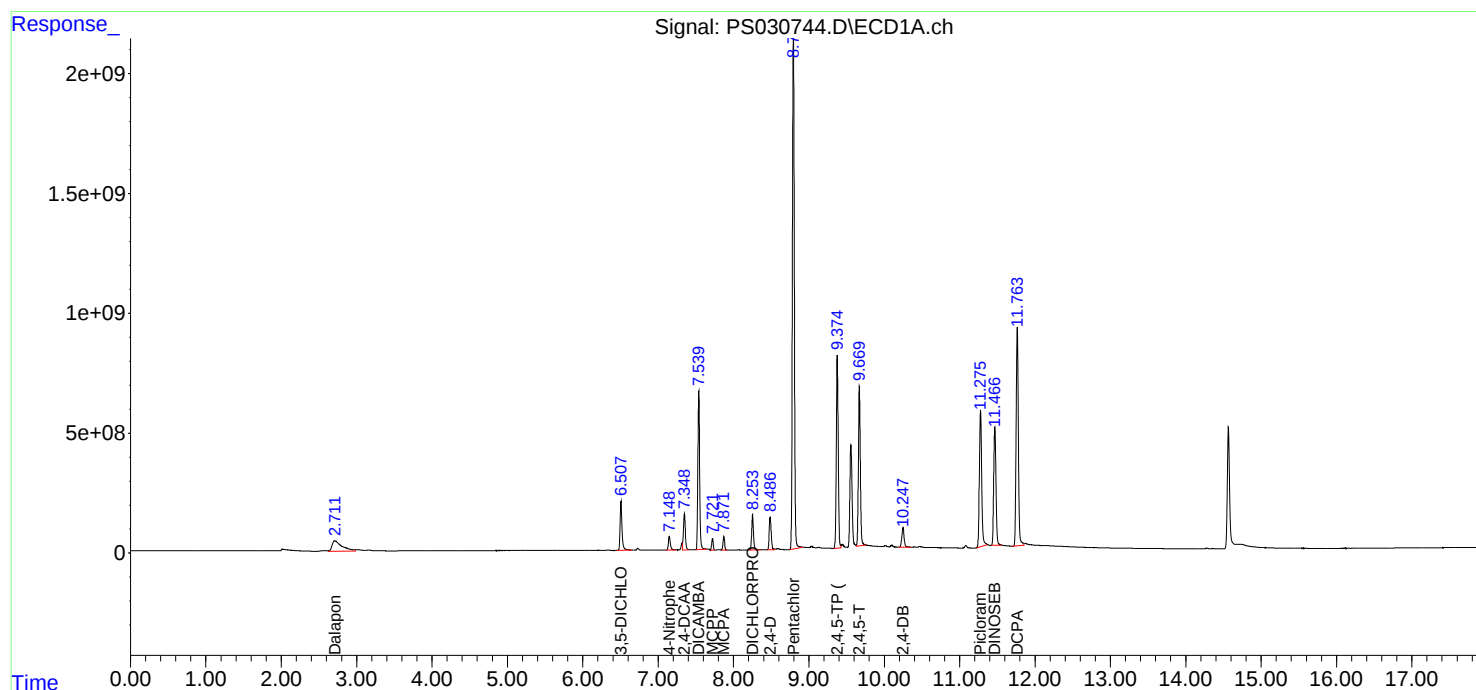
APPROVED

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 17:04 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	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 17:04 Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.36	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

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC750 Data File : PS030838.D Time Analyzed: 17:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.657	9.568	9.768	752.430	712.500	5.6
2,4,5-TP(Silvex)	9.363	9.275	9.475	711.660	712.500	-0.1
2,4-D	8.476	8.386	8.586	681.510	705.000	-3.3
2,4-DB	10.234	10.147	10.347	812.930	712.500	14.1
2,4-DCAA	7.339	7.249	7.449	717.100	750.000	-4.4
DICAMBA	7.531	7.439	7.639	689.260	705.000	-2.2
DICHLORPROP	8.243	8.153	8.353	647.060	705.000	-8.2
Dinoseb	11.453	11.366	11.566	712.890	705.000	1.1



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL01 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC750 Data File : PS030838.D Time Analyzed: 17:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.356	10.259	10.459	699.200	712.500	-1.9
2,4,5-TP(Silvex)	9.929	9.833	10.033	691.030	712.500	-3.0
2,4-D	9.024	8.927	9.127	659.170	705.000	-6.5
2,4-DB	10.923	10.827	11.027	674.590	712.500	-5.3
2,4-DCAA	7.767	7.670	7.870	708.520	750.000	-5.5
DICAMBA	7.970	7.872	8.072	688.710	705.000	-2.3
DICHLORPROP	8.688	8.591	8.791	652.280	705.000	-7.5
Dinoseb	11.308	11.211	11.411	679.930	705.000	-3.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
 Data File : PS030838.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 17:04
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:22:44 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	2634.9E6	759.5E6	717.104m	708.520
Target Compounds							
1) T	Dalapon	2.706	2.711	3998.3E6	1806.3E6	670.221	658.827
2) T	3,5-DICHL...	6.500	6.713	3606.9E6	1072.0E6	670.740	664.540
3) T	4-Nitroph...	7.140	7.299	1062.4E6	1142.9E6	673.780	659.284
5) T	DICAMBA	7.531	7.970	10487.2E6	4513.3E6	689.263	688.714
6) T	MCPD	7.711	8.068	705.2E6	155.4E6	75.110m	74.103
7) T	MCPA	7.862	8.318	825.0E6	221.8E6	70.331	70.507
8) T	DICHLORPROP	8.243	8.688	2423.7E6	1025.7E6	647.057	652.280
9) T	2,4-D	8.476	9.024	2347.4E6	1120.2E6	681.506	659.171
10) T	Pentachlo...	8.783	9.549	37946.1E6	26945.1E6	716.974	706.810
11) T	2,4,5-TP ...	9.363	9.929	14254.9E6	9970.6E6	711.663	691.029
12) T	2,4,5-T	9.657	10.356	12379.8E6	9554.3E6	752.429	699.199
13) T	2,4-DB	10.234	10.923	1864.5E6	798.0E6	812.933	674.588
14) T	DINOSEB	11.453	11.308	9890.0E6	7330.4E6	712.886m	679.925
15) T	Picloram	11.262	12.417	12815.8E6	16690.3E6	797.193m	718.126
16) T	DCPA	11.749	12.351	18629.5E6	15520.7E6	727.253	704.119m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 17:04
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

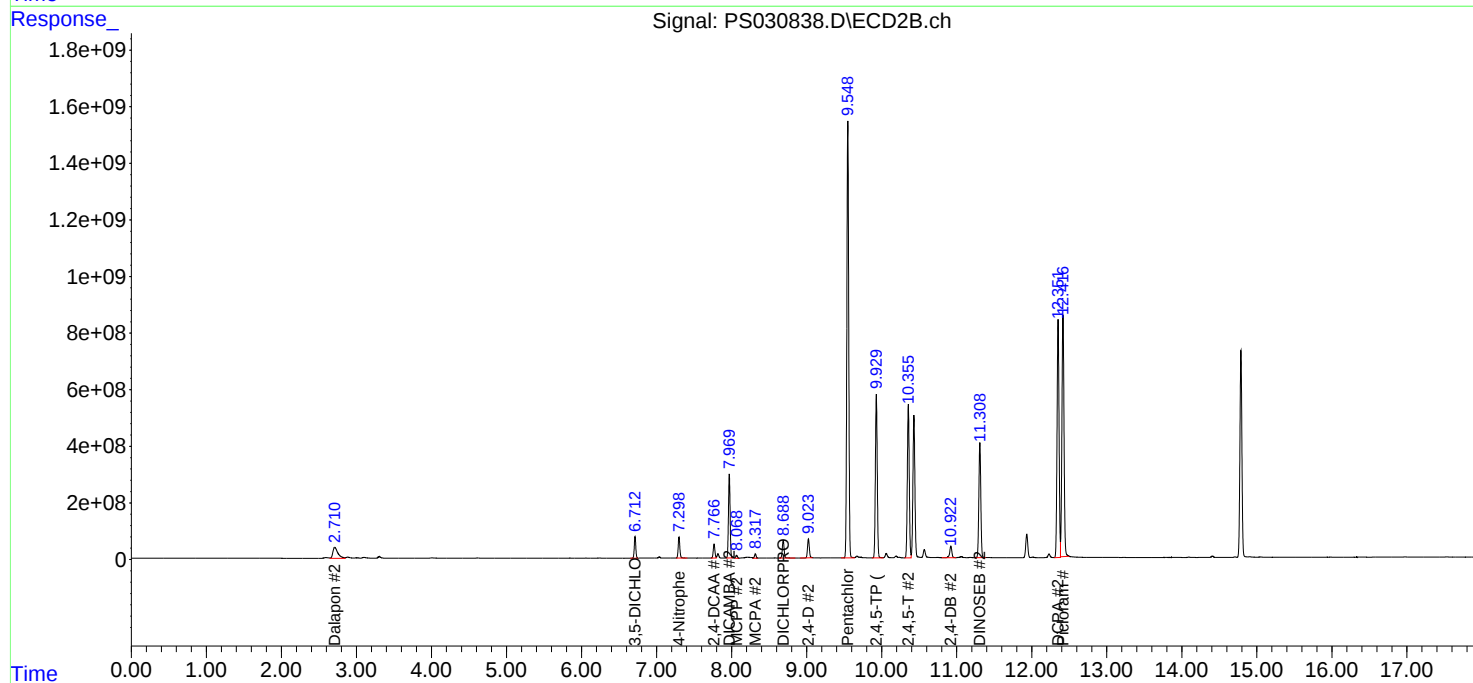
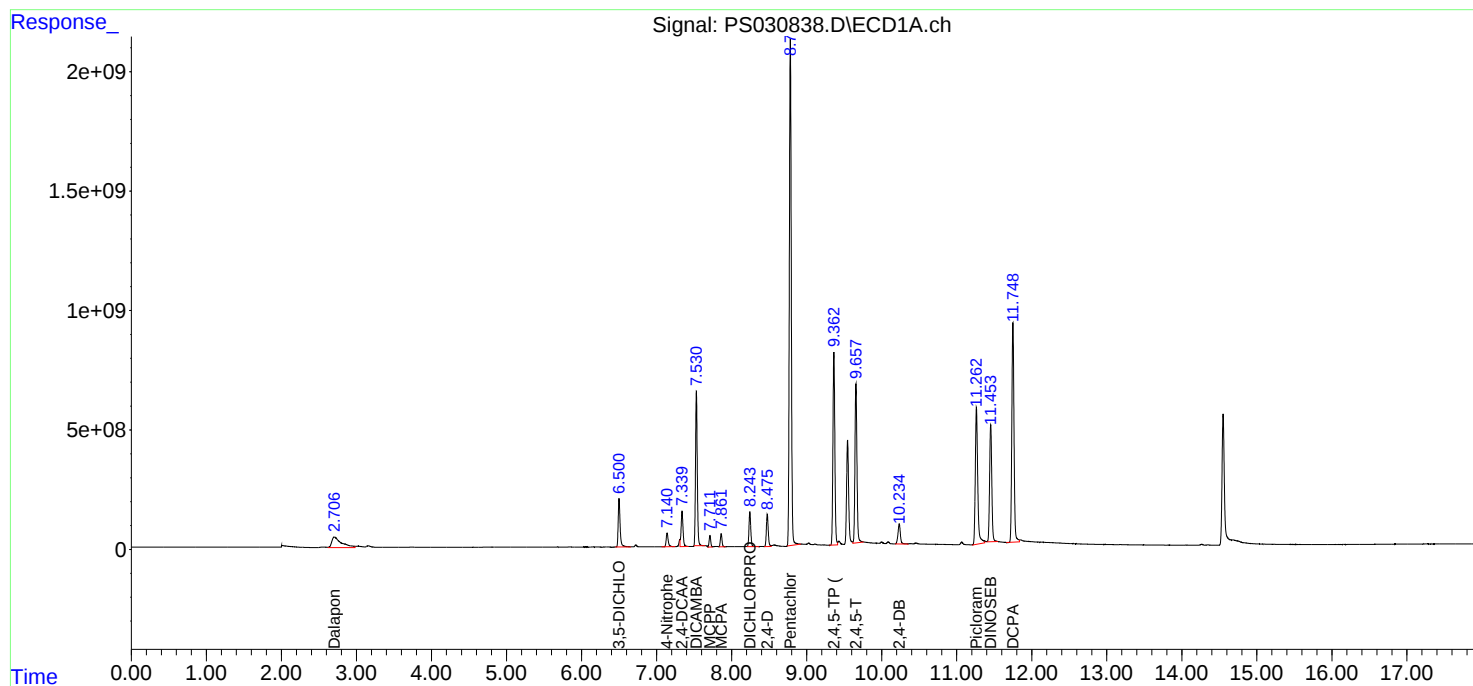
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:22:44 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

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 21:53 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	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/27/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 21:53 Initial Calibration Time(s): 11:25 13:29

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

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



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL02 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC750 Data File : PS030850.D Time Analyzed: 21:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.656	9.568	9.768	730.330	712.500	2.5
2,4,5-TP(Silvex)	9.361	9.275	9.475	683.420	712.500	-4.1
2,4-D	8.474	8.386	8.586	659.940	705.000	-6.4
2,4-DB	10.233	10.147	10.347	787.750	712.500	10.6
2,4-DCAA	7.339	7.249	7.449	703.400	750.000	-6.2
DICAMBA	7.530	7.439	7.639	652.000	705.000	-7.5
DICHLORPROP	8.243	8.153	8.353	622.390	705.000	-11.7
Dinoseb	11.452	11.366	11.566	680.110	705.000	-3.5



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL02 Date Analyzed: 06/27/2025

Lab Sample No.: PSTDCCC750 Data File : PS030850.D Time Analyzed: 21:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.259	10.459	673.490	712.500	-5.5
2,4,5-TP(Silvex)	9.929	9.833	10.033	664.000	712.500	-6.8
2,4-D	9.024	8.927	9.127	634.280	705.000	-10.0
2,4-DB	10.922	10.827	11.027	645.730	712.500	-9.4
2,4-DCAA	7.767	7.670	7.870	682.230	750.000	-9.0
DICAMBA	7.969	7.872	8.072	662.330	705.000	-6.1
DICHLORPROP	8.688	8.591	8.791	622.740	705.000	-11.7
Dinoseb	11.308	11.211	11.411	650.390	705.000	-7.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
 Data File : PS030850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 21:53
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:25:58 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	2584.6E6	731.3E6	703.404m	682.227
Target Compounds							
1) T	Dalapon	2.707	2.710	3788.9E6	1731.5E6	635.117	631.539
2) T	3,5-DICHL...	6.500	6.713	3463.5E6	1029.7E6	644.058	638.325
3) T	4-Nitroph...	7.139	7.299	1026.5E6	1082.0E6	651.029	624.145
5) T	DICAMBA	7.530	7.969	9920.3E6	4340.4E6	652.003	662.329
6) T	MCPD	7.711	8.068	690.9E6	147.0E6	73.594m	70.076
7) T	MCPA	7.861	8.317	789.8E6	207.5E6	67.332	65.974
8) T	DICHLORPROP	8.243	8.688	2331.3E6	979.3E6	622.395	622.738
9) T	2,4-D	8.474	9.024	2273.1E6	1077.9E6	659.937	634.285
10) T	Pentachlo...	8.782	9.549	36210.8E6	25889.9E6	684.185	679.132
11) T	2,4,5-TP ...	9.361	9.929	13689.2E6	9580.7E6	683.420	664.002
12) T	2,4,5-T	9.656	10.355	12016.3E6	9203.0E6	730.333	673.493
13) T	2,4-DB	10.233	10.922	1806.7E6	763.8E6	787.753	645.732
14) T	DINOSEB	11.452	11.308	9435.3E6	7012.0E6	680.112m	650.386
15) T	Picloram	11.260	12.416	12082.7E6	15928.8E6	751.591m	685.363
16) T	DCPA	11.747	12.351	17918.0E6	15000.8E6	699.479	680.531m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:53
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

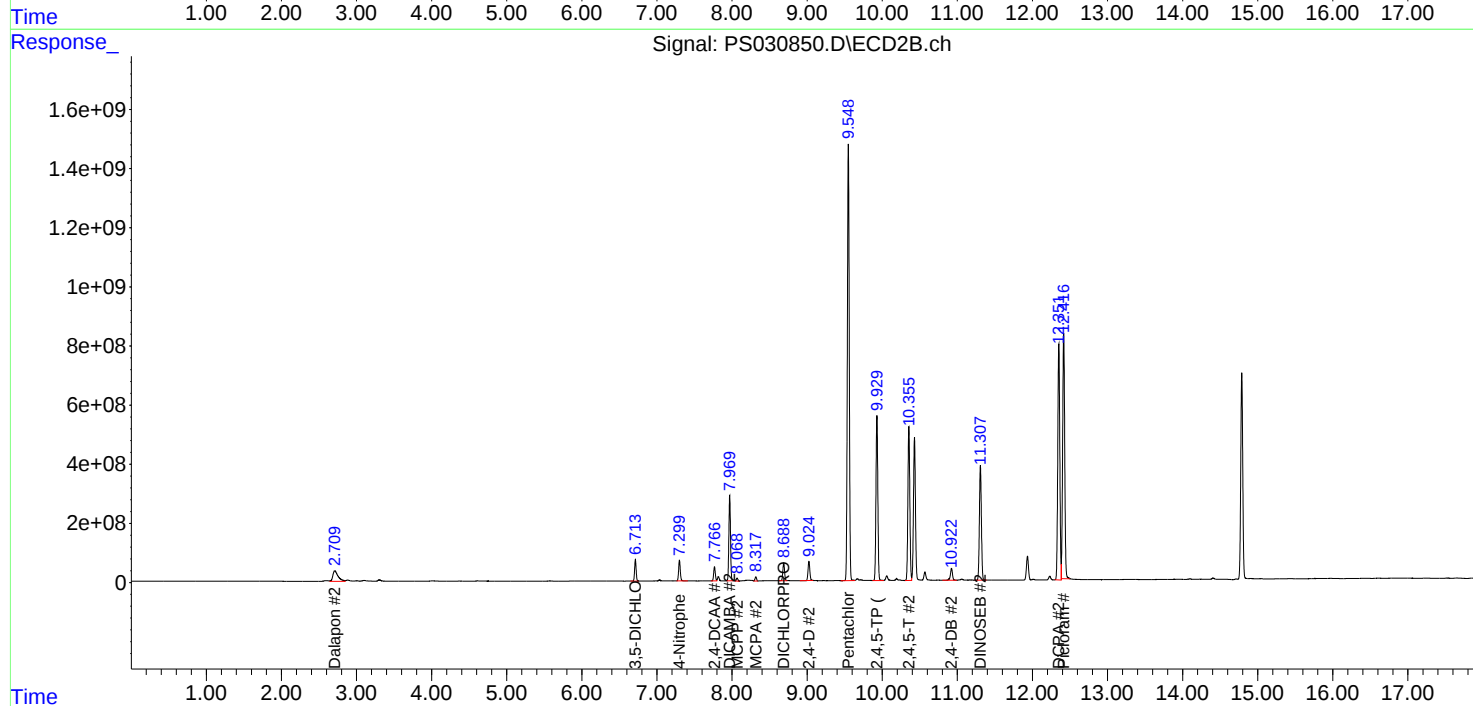
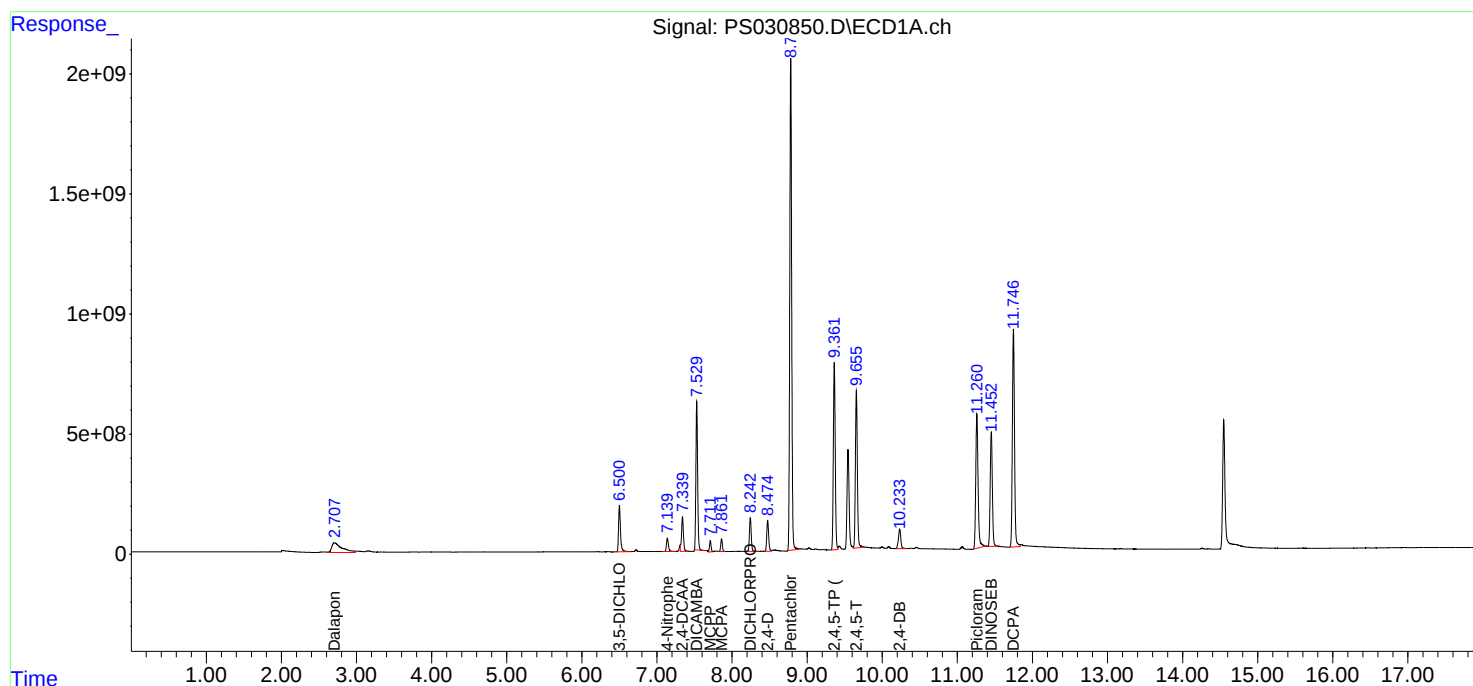
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:58 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

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 01:55 Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.24	8.25	8.15	8.35	0.01
2,4-D	8.47	8.49	8.39	8.59	0.02
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	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

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/28/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 01:55 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	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.31	11.31	11.21	11.41	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC750 Data File : PS030859.D Time Analyzed: 01:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.655	9.568	9.768	761.830	712.500	6.9
2,4,5-TP(Silvex)	9.362	9.275	9.475	703.060	712.500	-1.3
2,4-D	8.474	8.386	8.586	682.180	705.000	-3.2
2,4-DB	10.232	10.147	10.347	803.530	712.500	12.8
2,4-DCAA	7.339	7.249	7.449	690.510	750.000	-7.9
DICAMBA	7.529	7.439	7.639	681.160	705.000	-3.4
DICHLORPROP	8.243	8.153	8.353	635.220	705.000	-9.9
Dinoseb	11.449	11.366	11.566	680.910	705.000	-3.4



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL03 Date Analyzed: 06/28/2025

Lab Sample No.: PSTDCCC750 Data File : PS030859.D Time Analyzed: 01:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.355	10.259	10.459	687.080	712.500	-3.6
2,4,5-TP(Silvex)	9.929	9.833	10.033	677.480	712.500	-4.9
2,4-D	9.022	8.927	9.127	664.420	705.000	-5.8
2,4-DB	10.922	10.827	11.027	667.890	712.500	-6.3
2,4-DCAA	7.766	7.670	7.870	694.470	750.000	-7.4
DICAMBA	7.969	7.872	8.072	673.860	705.000	-4.4
DICHLORPROP	8.688	8.591	8.791	634.380	705.000	-10.0
Dinoseb	11.307	11.211	11.411	645.120	705.000	-8.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
 Data File : PS030859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Jun 2025 01:55
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 02:38:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
 Quant Title : 8080.M
 QLast Update : Thu Jun 19 05:11:26 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.339	7.766	2537.2E6	744.4E6	690.509m	694.472
Target Compounds							
1) T	Dalapon	2.704	2.711	3791.0E6	1743.8E6	635.478	636.001
2) T	3,5-DICHL...	6.499	6.713	3514.8E6	1052.1E6	653.600	652.197
3) T	4-Nitroph...	7.139	7.299	1053.0E6	1097.9E6	667.848	633.323
5) T	DICAMBA	7.529	7.969	10363.9E6	4416.0E6	681.162m	673.863
6) T	MCPD	7.710	8.068	687.6E6	149.0E6	73.243m	71.026
7) T	MCPA	7.861	8.317	807.2E6	212.1E6	68.810	67.410
8) T	DICHLORPROP	8.243	8.688	2379.4E6	997.6E6	635.222	634.382
9) T	2,4-D	8.474	9.022	2349.7E6	1129.1E6	682.180	664.421m
10) T	Pentachlo...	8.781	9.548	37115.7E6	26405.3E6	701.283	692.650
11) T	2,4,5-TP ...	9.362	9.929	14082.7E6	9775.1E6	703.065	677.478
12) T	2,4,5-T	9.655	10.355	12534.5E6	9388.7E6	761.832	687.079
13) T	2,4-DB	10.232	10.922	1842.9E6	790.0E6	803.528m	667.888m
14) T	DINOSEB	11.449	11.307	9446.4E6	6955.2E6	680.907m	645.116
15) T	Picloram	11.260	12.416	13102.2E6	16339.1E6	815.012m	703.017
16) T	DCPA	11.746	12.351	18533.1E6	15224.3E6	723.490	690.669m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:55
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

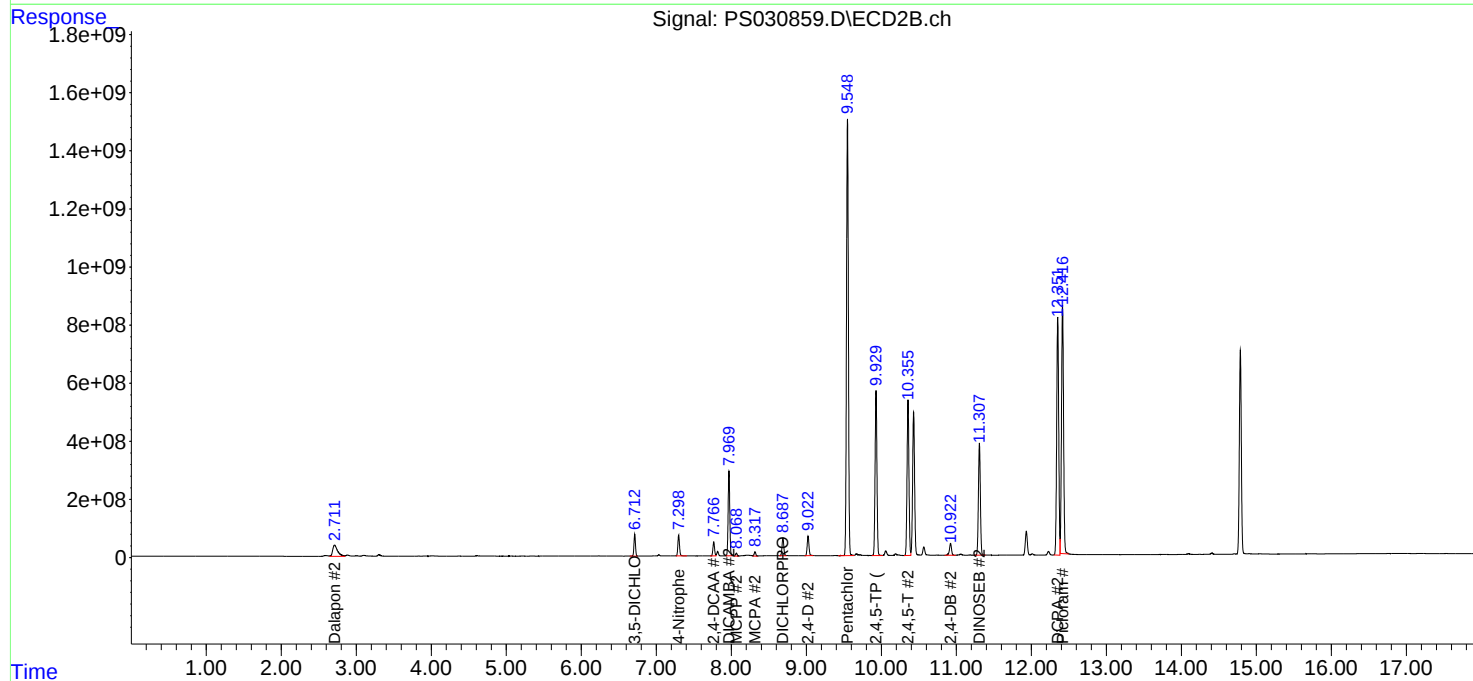
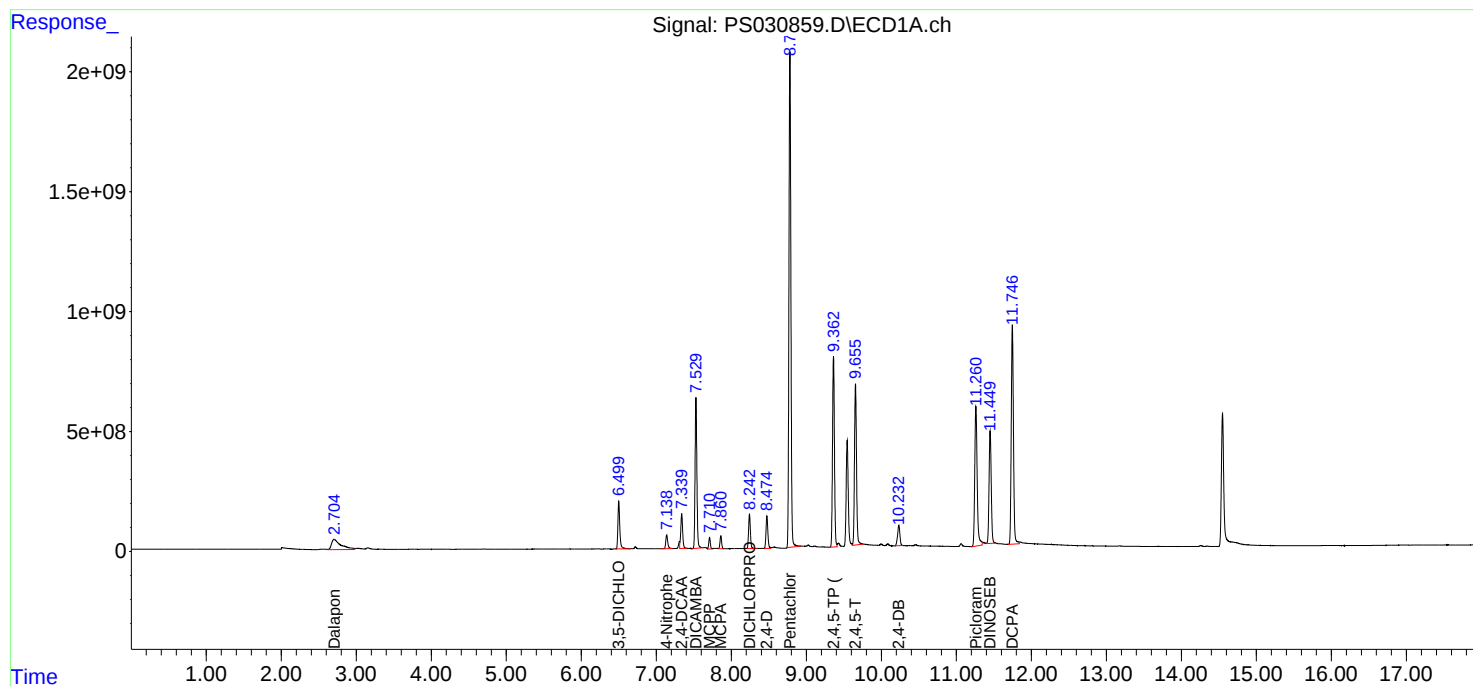
APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 02:38:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 13:00 Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.53	7.54	7.44	7.64	0.01
2,4-DCAA	7.34	7.35	7.25	7.45	0.01
DICHLORPROP	8.25	8.25	8.15	8.35	0.01
2,4-D	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.37	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.24	10.25	10.15	10.35	0.01
Dinoseb	11.45	11.47	11.37	11.57	0.02



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 13:00 Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.76	7.77	7.67	7.87	0.01
DICHLORPROP	8.68	8.69	8.59	8.79	0.01
2,4-D	9.02	9.03	8.93	9.13	0.01
2,4,5-TP(Silvex)	9.93	9.93	9.83	10.03	0.00
2,4,5-T	10.35	10.36	10.26	10.46	0.01
2,4-DB	10.92	10.93	10.83	11.03	0.01
Dinoseb	11.30	11.31	11.21	11.41	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL04 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC750 Data File : PS030862.D Time Analyzed: 13:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.660	9.568	9.768	755.930	712.500	6.1
2,4,5-TP(Silvex)	9.365	9.275	9.475	706.160	712.500	-0.9
2,4-D	8.477	8.386	8.586	768.500	705.000	9.0
2,4-DB	10.237	10.147	10.347	779.940	712.500	9.5
2,4-DCAA	7.342	7.249	7.449	707.790	750.000	-5.6
DICAMBA	7.532	7.439	7.639	677.030	705.000	-4.0
DICHLORPROP	8.245	8.153	8.353	742.000	705.000	5.2
Dinoseb	11.454	11.366	11.566	709.220	705.000	0.6



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CALIBRATION VERIFICATION SUMMARY
Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025
Client Sample No.: CCAL04 **Date Analyzed:** 06/30/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030862.D **Time Analyzed:** 13:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.352	10.259	10.459	662.340	712.500	-7.0
2,4,5-TP(Silvex)	9.925	9.833	10.033	654.920	712.500	-8.1
2,4-D	9.020	8.927	9.127	622.260	705.000	-11.7
2,4-DB	10.919	10.827	11.027	642.880	712.500	-9.8
2,4-DCAA	7.763	7.670	7.870	687.130	750.000	-8.4
DICAMBA	7.966	7.872	8.072	641.910	705.000	-8.9
DICHLORPROP	8.684	8.591	8.791	619.130	705.000	-12.2
Dinoseb	11.304	11.211	11.411	636.090	705.000	-9.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
 Data File : PS030862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 13:00
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 01:35:47 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	7.342	7.763	2600.7E6	736.6E6	707.788	687.134
Target Compounds							
1) T	Dalapon	2.707	2.704	4042.0E6	1719.0E6	677.553	626.966
2) T	3,5-DICHL...	6.501	6.709	3581.6E6	1001.5E6	666.027	620.832
3) T	4-Nitroph...	7.141	7.295	1045.5E6	1056.1E6	663.080	609.232
5) T	DICAMBA	7.532	7.966	10301.0E6	4206.6E6	677.027	641.908
6) T	MCPD	7.713	8.064	670.9E6	133.1E6	71.457m	63.465
7) T	MCPA	7.863	8.313	800.9E6	200.6E6	68.276	63.768
8) T	DICHLORPROP	8.245	8.684	2779.4E6	973.6E6	741.999	619.128
9) T	2,4-D	8.477	9.020	2647.0E6	1057.5E6	768.500	622.264
10) T	Pentachlo...	8.785	9.545	37324.0E6	25429.9E6	705.219	667.065
11) T	2,4,5-TP ...	9.365	9.925	14144.7E6	9449.6E6	706.161	654.920
12) T	2,4,5-T	9.660	10.352	12437.5E6	9050.7E6	755.934	662.343
13) T	2,4-DB	10.237	10.919	1788.8E6	760.5E6	779.941m	642.882
14) T	DINOSEB	11.454	11.304	9839.2E6	6857.8E6	709.222m	636.089
15) T	Picloram	11.265	12.414	12631.1E6	15641.8E6	785.704m	673.014
16) T	DCPA	11.751	12.349	18745.8E6	14829.4E6	731.792	672.757m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
Data File : PS030862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 13:00
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

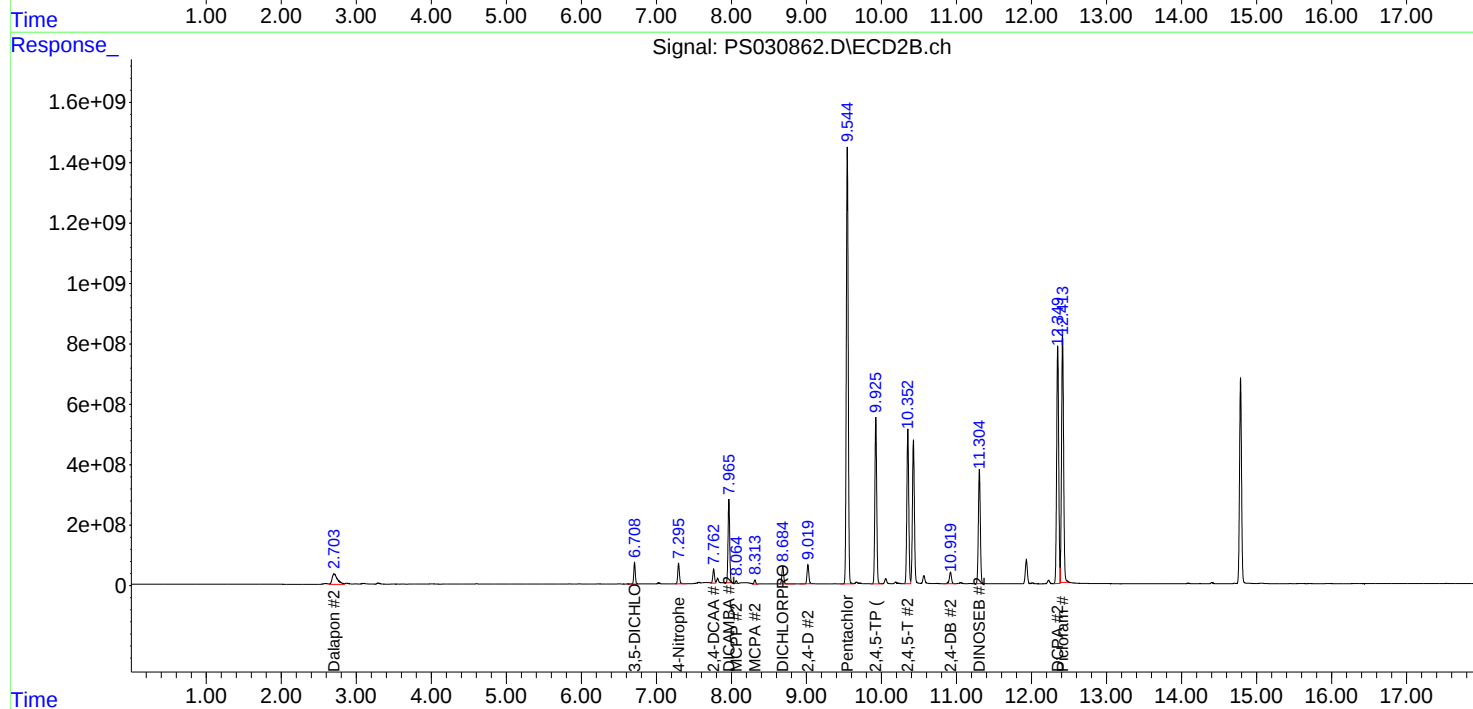
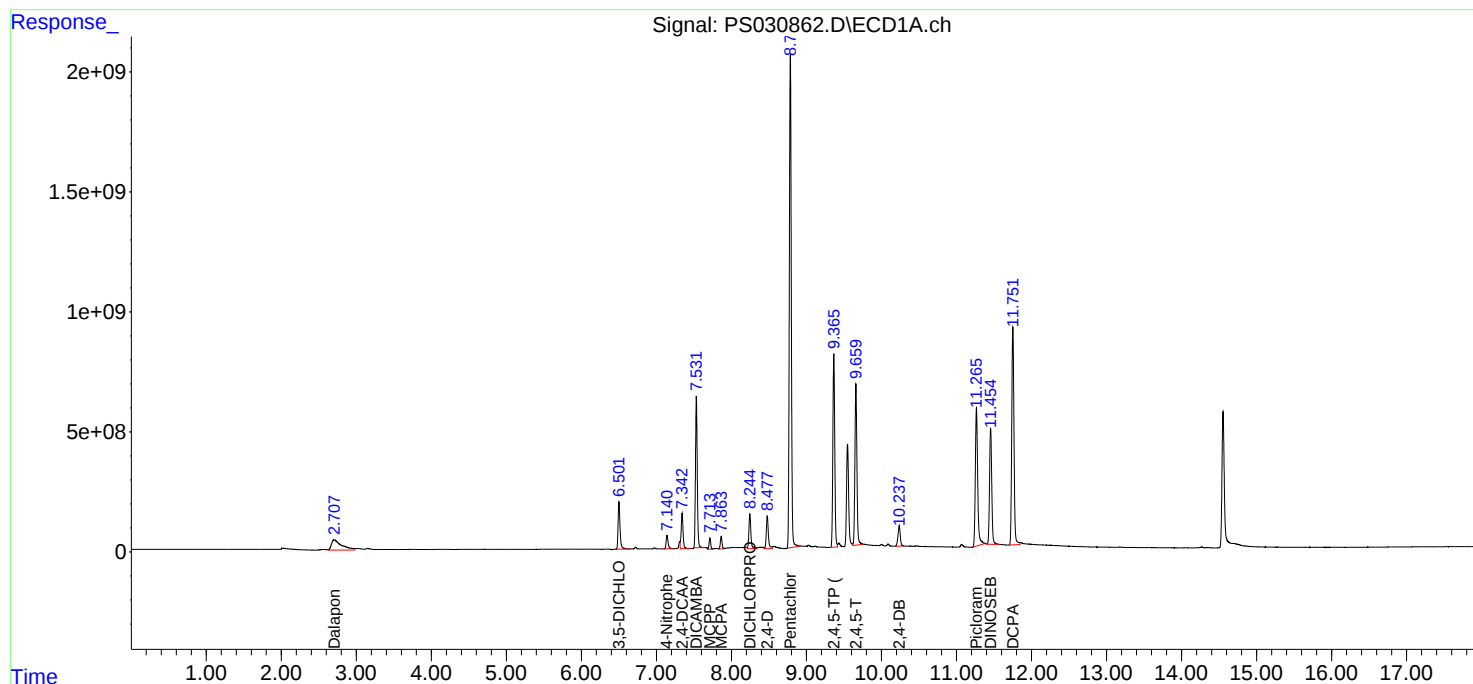
APPROVED

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:35:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 17:49 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	8.48	8.49	8.39	8.59	0.01
2,4,5-TP(Silvex)	9.36	9.38	9.28	9.48	0.02
2,4,5-T	9.66	9.67	9.57	9.77	0.01
2,4-DB	10.23	10.25	10.15	10.35	0.02
Dinoseb	11.45	11.47	11.37	11.57	0.02



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

Continuing Calib Date: 06/30/2025 Initial Calibration Date(s): 06/18/2025 06/18/2025

Continuing Calib Time: 17:49 Initial Calibration Time(s): 11:25 13:29

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.97	7.87	8.07	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.69	8.59	8.79	0.00
2,4-D	9.03	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



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413 SAS No.: Q2413 SDG NO.: Q2413

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/18/2025 06/18/2025

Client Sample No.: CCAL05 Date Analyzed: 06/30/2025

Lab Sample No.: PSTDCCC750 Data File : PS030866.D Time Analyzed: 17:49

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.656	9.568	9.768	763.330	712.500	7.1
2,4,5-TP(Silvex)	9.363	9.275	9.475	714.320	712.500	0.3
2,4-D	8.475	8.386	8.586	687.580	705.000	-2.5
2,4-DB	10.233	10.147	10.347	797.880	712.500	12.0
2,4-DCAA	7.340	7.249	7.449	704.330	750.000	-6.1
DICAMBA	7.530	7.439	7.639	684.800	705.000	-2.9
DICHLORPROP	8.243	8.153	8.353	644.430	705.000	-8.6
Dinoseb	11.452	11.366	11.566	711.590	705.000	0.9



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

CALIBRATION VERIFICATION SUMMARY
Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2413 **SAS No.:** Q2413 **SDG NO.:** Q2413
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/18/2025 06/18/2025
Client Sample No.: CCAL05 **Date Analyzed:** 06/30/2025
Lab Sample No.: PSTDCCC750 **Data File :** PS030866.D **Time Analyzed:** 17:49

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.357	10.259	10.459	679.450	712.500	-4.6
2,4,5-TP(Silvex)	9.930	9.833	10.033	670.610	712.500	-5.9
2,4-D	9.025	8.927	9.127	630.620	705.000	-10.6
2,4-DB	10.924	10.827	11.027	664.790	712.500	-6.7
2,4-DCAA	7.768	7.670	7.870	687.550	750.000	-8.3
DICAMBA	7.970	7.872	8.072	661.910	705.000	-6.1
DICHLORPROP	8.689	8.591	8.791	635.760	705.000	-9.8
Dinoseb	11.310	11.211	11.411	654.820	705.000	-7.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
 Data File : PS030866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Jun 2025 17:49
 Operator : AR\AJ
 Sample : PSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 01:37:11 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	2588.0E6	737.0E6	704.334m	687.552
Target Compounds							
1) T	Dalapon	2.706	2.710	3949.7E6	1738.3E6	662.071	634.030
2) T	3,5-DICHL...	6.501	6.714	3567.9E6	1025.1E6	663.482	635.479
3) T	4-Nitroph...	7.140	7.300	1073.9E6	1097.9E6	681.100	633.332
5) T	DICAMBA	7.530	7.970	10419.4E6	4337.7E6	684.804	661.914
6) T	MCPD	7.711	8.069	694.8E6	150.0E6	74.010m	71.504
7) T	MCPA	7.861	8.318	814.8E6	220.2E6	69.462	70.012
8) T	DICHLORPROP	8.243	8.689	2413.9E6	999.7E6	644.426	635.762
9) T	2,4-D	8.475	9.025	2368.3E6	1071.7E6	687.581	630.621
10) T	Pentachlo...	8.783	9.550	37670.7E6	26110.4E6	711.770	684.914
11) T	2,4,5-TP ...	9.363	9.930	14308.2E6	9676.1E6	714.323	670.611
12) T	2,4,5-T	9.656	10.357	12559.3E6	9284.4E6	763.334	679.448
13) T	2,4-DB	10.233	10.924	1829.9E6	786.4E6	797.884m	664.792
14) T	DINOSEB	11.452	11.310	9872.0E6	7059.8E6	711.588m	654.824
15) T	Picloram	11.261	12.418	12478.4E6	15984.1E6	776.209m	687.740
16) T	DCPA	11.749	12.353	18795.9E6	15162.6E6	733.750	687.872m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
Data File : PS030866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 17:49
Operator : AR\AJ
Sample : PSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PSTDCCC750

Manual Integrations

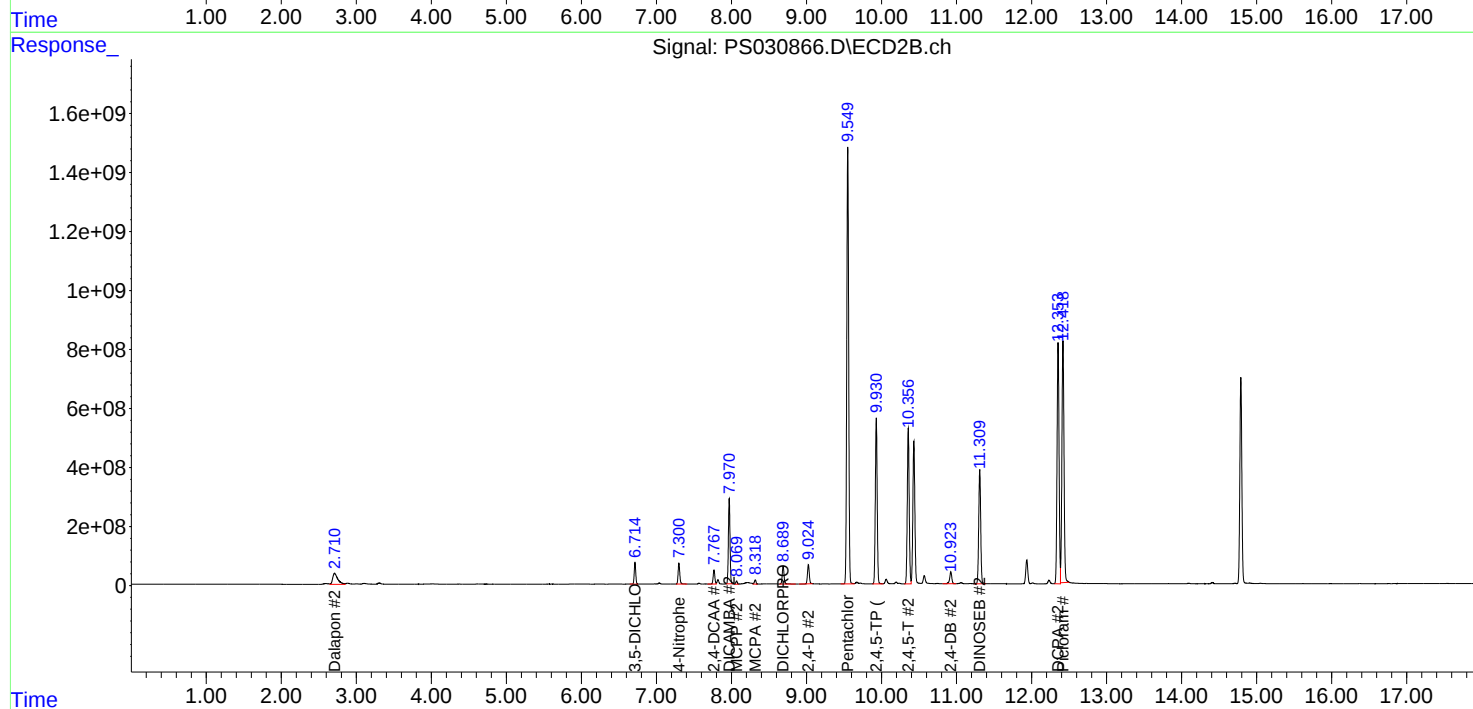
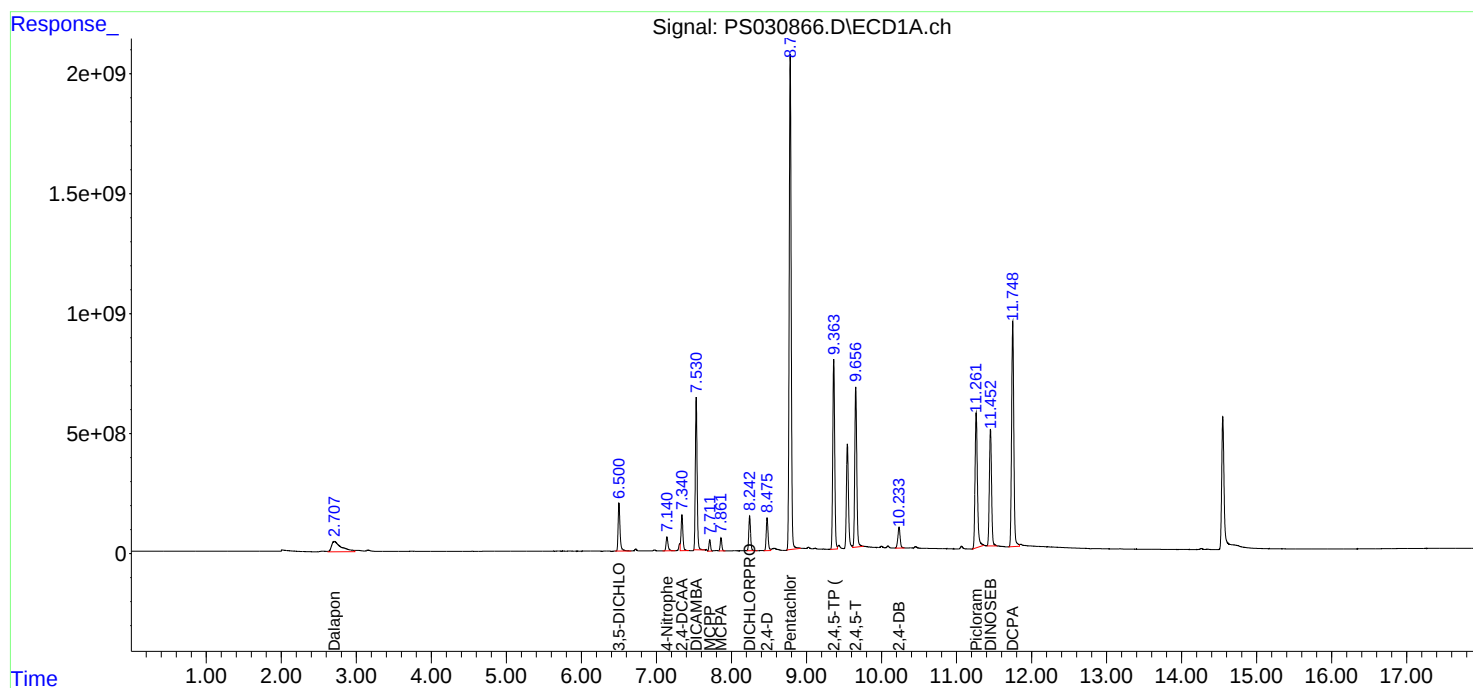
APPROVED

Reviewed By :Abdul Mirza 07/01/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:37:11 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.: Q2413
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:

EPA SAMPLE NO.	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	06/27/2025	16:40	PS030837.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	17:04	PS030838.D	7.34	0.00
PB168634BS	PB168634BS	06/27/2025	17:52	PS030840.D	7.34	0.00
MH-M/NMS	Q2405-01MS	06/27/2025	18:40	PS030842.D	7.34	0.00
MH-M/NMSD	Q2405-01MSD	06/27/2025	19:04	PS030843.D	7.34	0.00
TP-35	Q2413-01	06/27/2025	19:29	PS030844.D	7.34	0.00
TP-34	Q2413-02	06/27/2025	19:53	PS030845.D	7.34	0.00
TP-77	Q2413-03	06/27/2025	20:17	PS030846.D	7.34	0.00
TP-74	Q2413-04	06/27/2025	20:41	PS030847.D	7.34	0.00
TP-73	Q2413-05	06/27/2025	21:05	PS030848.D	7.34	0.00
IBLK	IBLK	06/27/2025	21:29	PS030849.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	21:53	PS030850.D	7.34	0.00
TP-72	Q2413-06	06/27/2025	22:41	PS030851.D	7.34	0.00
IBLK	IBLK	06/28/2025	01:31	PS030858.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/28/2025	01:55	PS030859.D	7.34	0.00
IBLK	IBLK	06/30/2025	09:29	PS030861.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	13:00	PS030862.D	7.34	0.00
PB168634BL	PB168634BL	06/30/2025	16:33	PS030863.D	7.34	0.00
IBLK	IBLK	06/30/2025	17:25	PS030865.D	7.34	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	17:49	PS030866.D	7.34	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2413
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:

EPA SAMPLE NO.	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	06/27/2025	16:40	PS030837.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	17:04	PS030838.D	7.77	0.00
PB168634BS	PB168634BS	06/27/2025	17:52	PS030840.D	7.77	0.00
MH-M/NMS	Q2405-01MS	06/27/2025	18:40	PS030842.D	7.77	0.00
MH-M/NMSD	Q2405-01MSD	06/27/2025	19:04	PS030843.D	7.77	0.00
TP-35	Q2413-01	06/27/2025	19:29	PS030844.D	7.77	0.00
TP-34	Q2413-02	06/27/2025	19:53	PS030845.D	7.77	0.00
TP-77	Q2413-03	06/27/2025	20:17	PS030846.D	7.77	0.00
TP-74	Q2413-04	06/27/2025	20:41	PS030847.D	7.77	0.00
TP-73	Q2413-05	06/27/2025	21:05	PS030848.D	7.77	0.00
IBLK	IBLK	06/27/2025	21:29	PS030849.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/27/2025	21:53	PS030850.D	7.77	0.00
TP-72	Q2413-06	06/27/2025	22:41	PS030851.D	7.77	0.00
IBLK	IBLK	06/28/2025	01:31	PS030858.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/28/2025	01:55	PS030859.D	7.77	0.00
IBLK	IBLK	06/30/2025	09:29	PS030861.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	13:00	PS030862.D	7.76	0.00
PB168634BL	PB168634BL	06/30/2025	16:33	PS030863.D	7.76	0.00
IBLK	IBLK	06/30/2025	17:25	PS030865.D	7.77	0.00
PSTDCCC750	PSTDCCC750	06/30/2025	17:49	PS030866.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-M/NMS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2413

SAS No.: Q2413

SDG NO.: Q2413

Lab Sample ID: Q2405-01MS

Date(s) Analyzed: 06/27/2025 06/27/2025

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	109	4.5
	2	8.69	8.64	8.74	114	
2,4-D	1	8.48	8.43	8.53	131	13
	2	9.02	8.97	9.07	115	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	113	0.9
	2	9.93	9.88	9.98	114	
2,4,5-T	1	9.66	9.61	9.71	112	2.7
	2	10.36	10.31	10.41	109	
2,4-DB	1	10.24	10.19	10.29	91.5	12.8
	2	10.92	10.87	10.97	104	
Dinoseb	1	11.45	11.40	11.50	15.3	0.7
	2	11.31	11.26	11.36	15.4	
DICAMBA	1	7.53	7.48	7.58	101	0
	2	7.97	7.92	8.02	101	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

MH-M/NMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: Q2405-01MSD

Date(s) Analyzed: 06/27/2025 06/27/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	113	0.9
	2	9.93	9.88	9.98	114	
2,4,5-T	1	9.66	9.61	9.71	113	3.6
	2	10.36	10.31	10.41	109	
DICHLORPROP	1	8.24	8.19	8.29	109	1.8
	2	8.69	8.64	8.74	111	
2,4-D	1	8.48	8.43	8.53	132	9.5
	2	9.02	8.97	9.07	120	
2,4-DB	1	10.24	10.19	10.29	93.9	10.2
	2	10.92	10.87	10.97	104	
Dinoseb	1	11.45	11.40	11.50	16.0	3.2
	2	11.31	11.26	11.36	15.5	
DICAMBA	1	7.53	7.48	7.58	100	1
	2	7.97	7.92	8.02	101	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168634BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2413

SAS No.: Q2413 SDG NO.: Q2413

Lab Sample ID: PB168634BS

Date(s) Analyzed: 06/27/2025 06/27/2025

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	156	0.6
	2	8.69	8.64	8.74	155	
Dinoseb	1	11.45	11.40	11.50	167	5.5
	2	11.31	11.26	11.36	158	
DICAMBA	1	7.53	7.48	7.58	163	1.9
	2	7.97	7.92	8.02	160	
2,4,5-T	1	9.66	9.61	9.71	174	5.3
	2	10.36	10.31	10.41	165	
2,4,5-TP(Silvex)	1	9.36	9.31	9.41	168	3
	2	9.93	9.88	9.98	163	
2,4-D	1	8.48	8.43	8.53	160	2.5
	2	9.02	8.97	9.07	156	
2,4-DB	1	10.24	10.19	10.29	183	12.8
	2	10.92	10.87	10.97	161	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168634BL	SDG No.:	Q2413
Lab Sample ID:	PB168634BL	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
PS030863.D	1	06/26/25 13:00	06/30/25 16:33	PB168634

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	563		10 - 141	113%	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\PS063025\
Data File : PS030863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 16:33
Operator : AR\AJ
Sample : PB168634BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168634BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:36:09 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	7.342	7.763	1639.4E6	604.0E6	446.163	563.492 #

Target Compounds

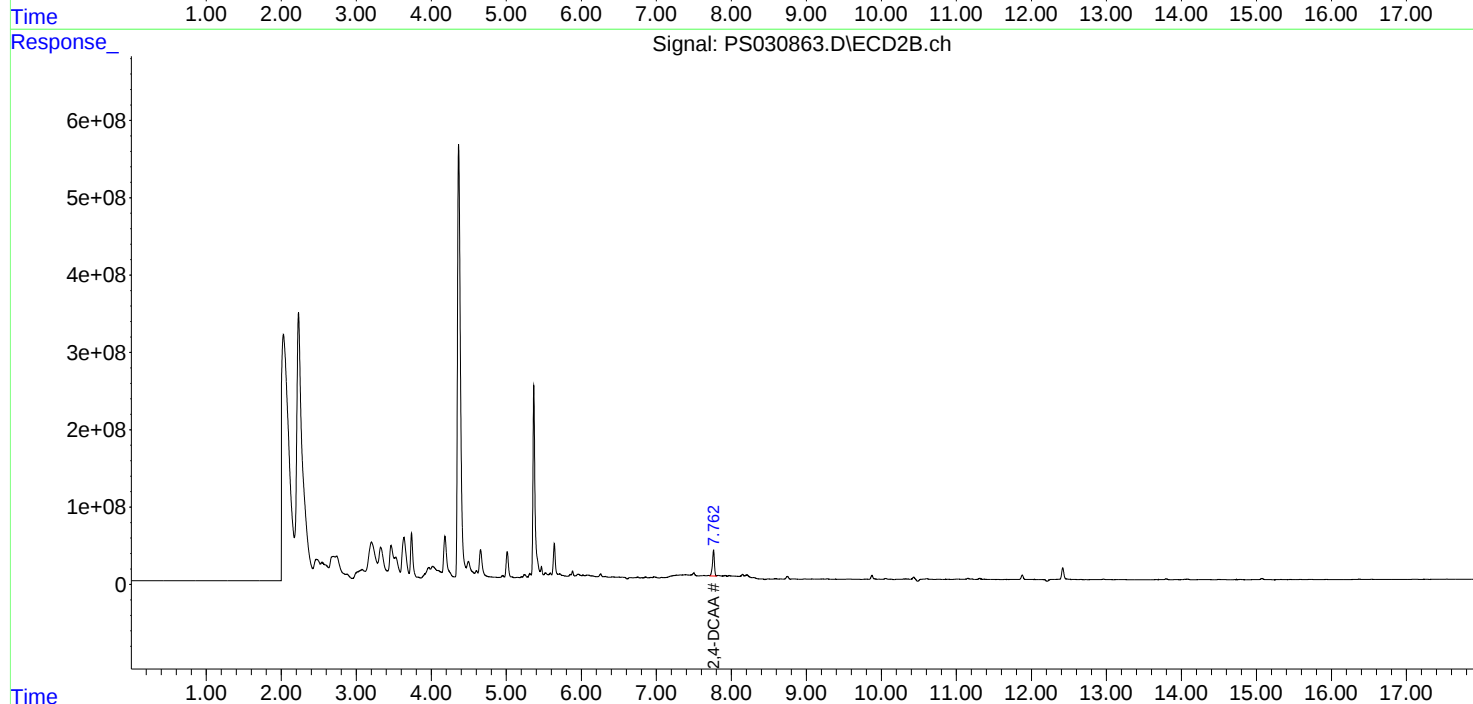
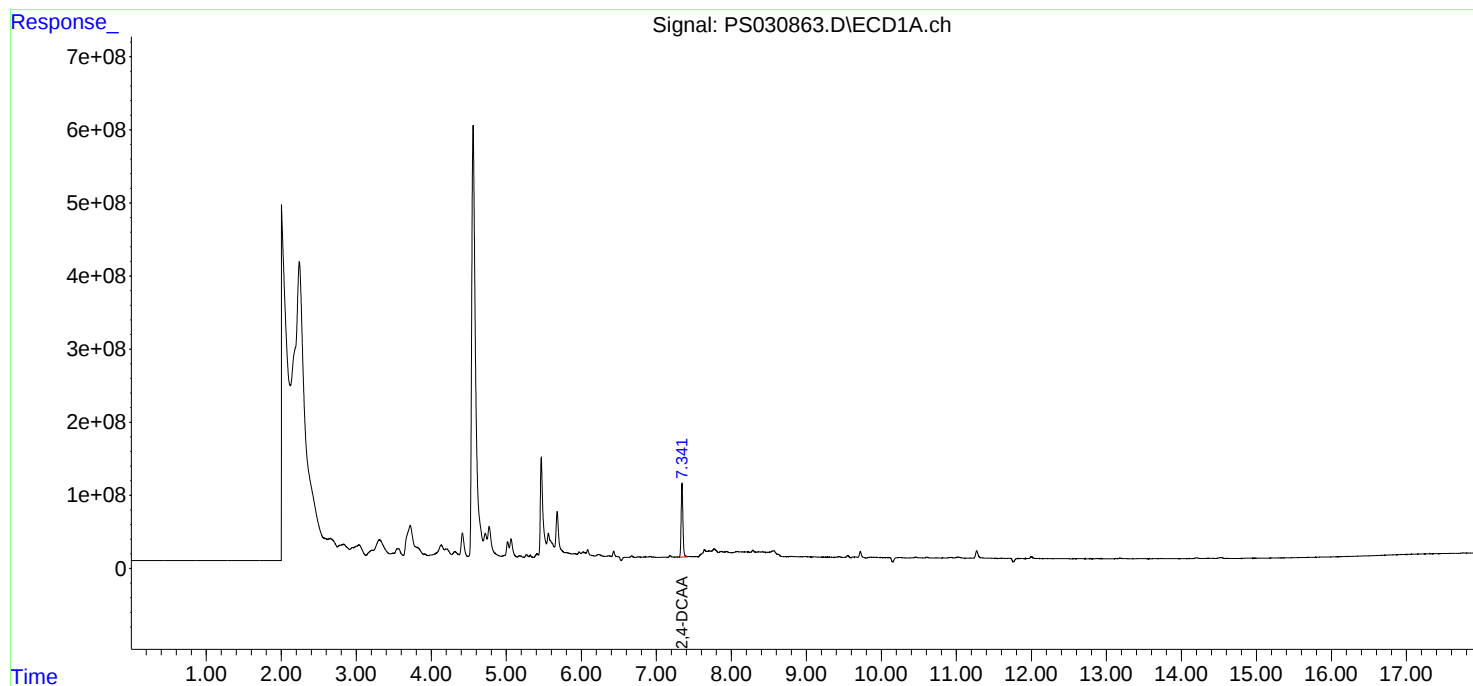
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

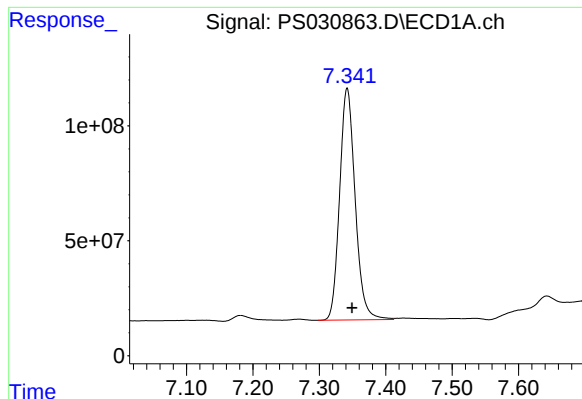
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
Data File : PS030863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 16:33
Operator : AR\AJ
Sample : PB168634BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168634BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:36:09 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

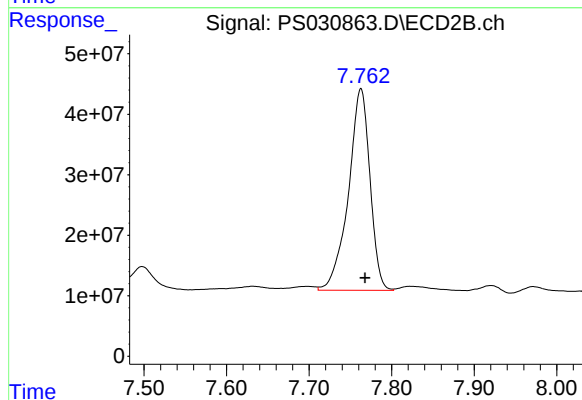




#4 2,4-DCAA

R.T.: 7.342 min
Delta R.T.: -0.008 min
Response: 1639377662
Conc: 446.16 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168634BL



#4 2,4-DCAA

R.T.: 7.763 min
Delta R.T.: -0.005 min
Response: 604043028
Conc: 563.49 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.:	Q2413
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 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	1521.1E6	522.5E6	413.971	487.438

Target Compounds

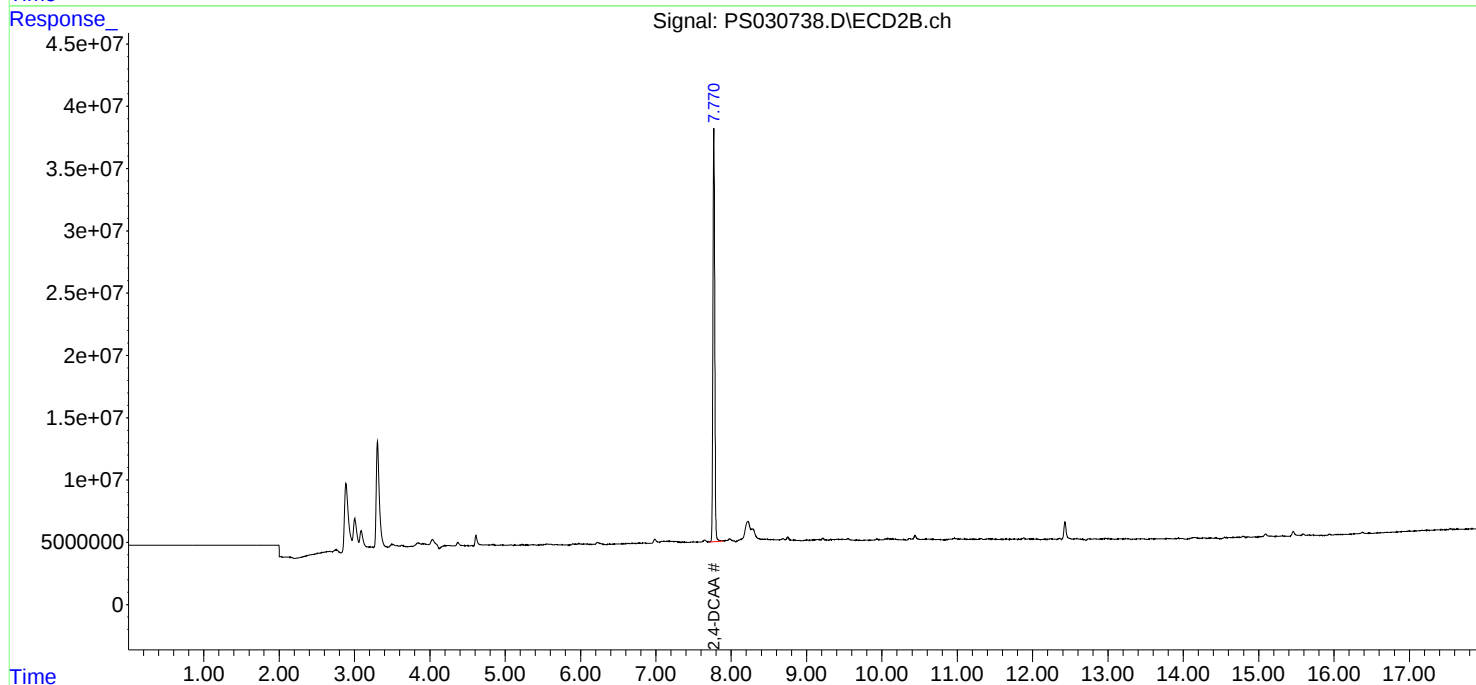
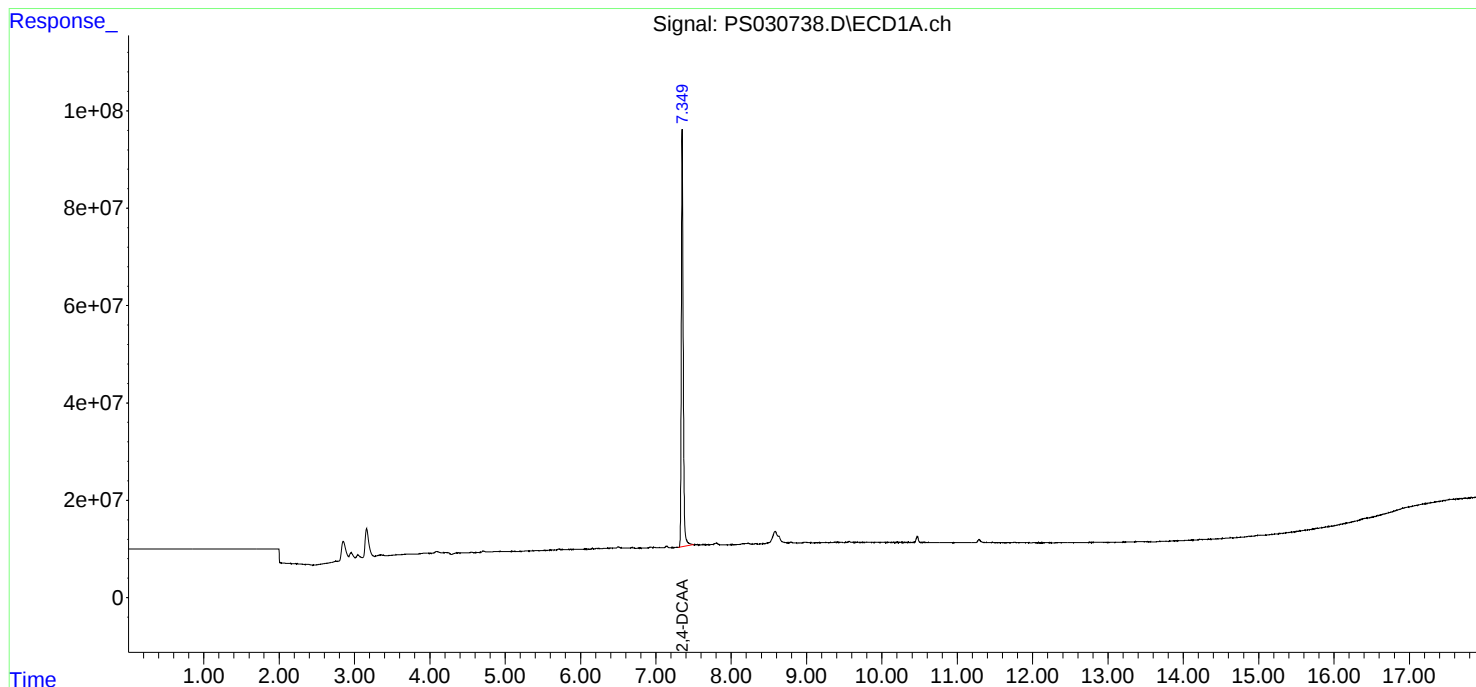
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

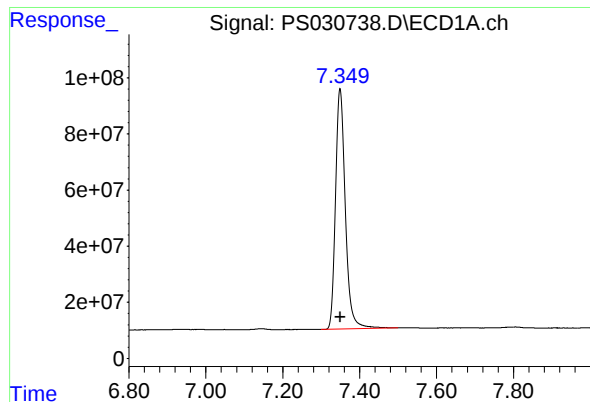
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS061825\
Data File : PS030738.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 11:01
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

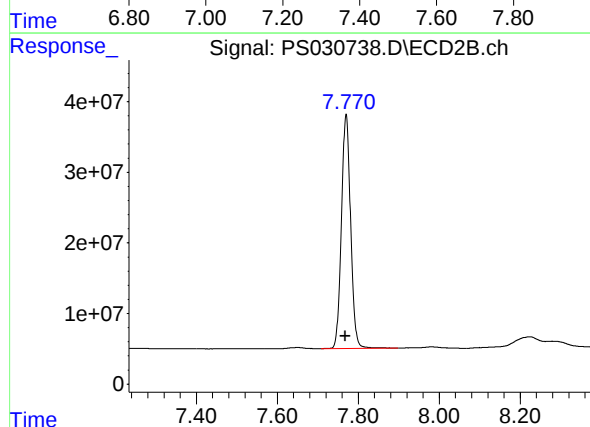
Conc: 413.97 ng/ml

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:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PS030837.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030837.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
PS030837.D	1		06/27/25	ps062725

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	577		61 - 136	115%	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\PS062725\
Data File : PS030837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 16:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:22:30 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	7.341	7.766	1949.1E6	618.5E6	530.457	576.951

Target Compounds

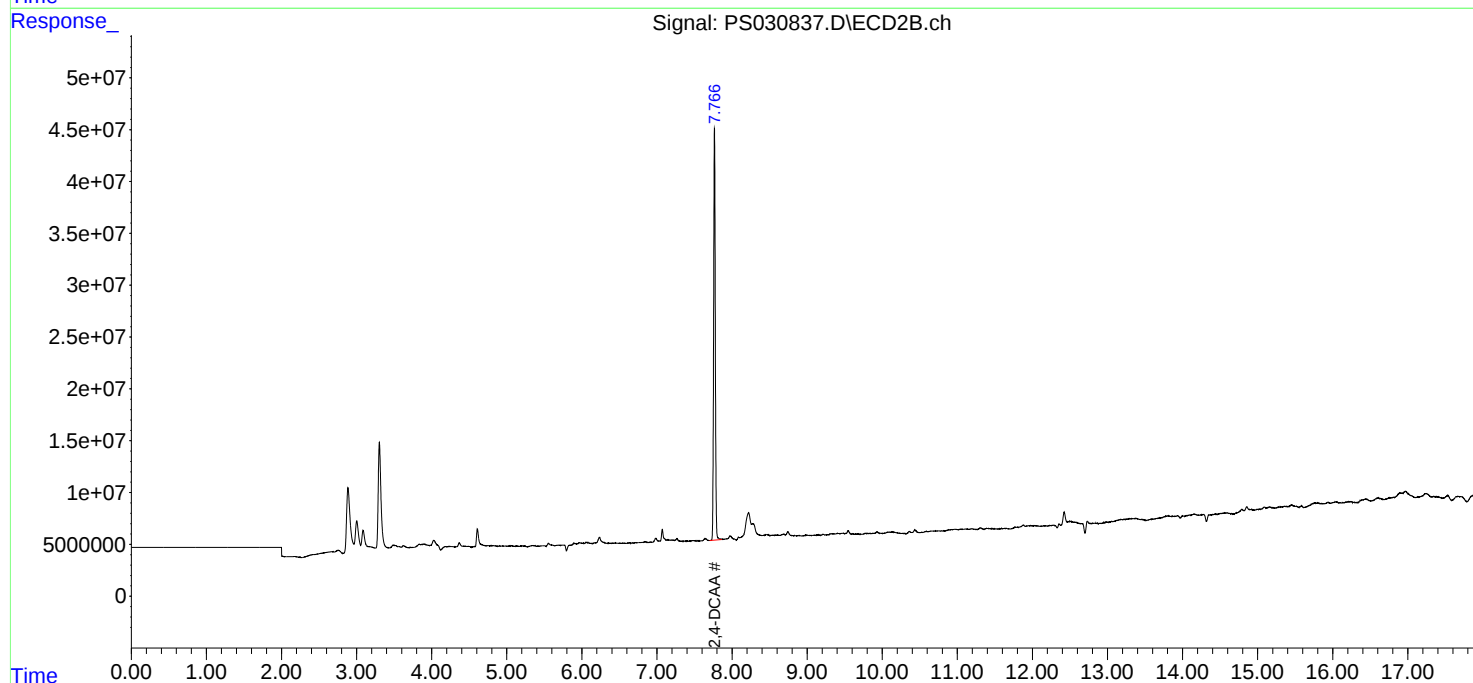
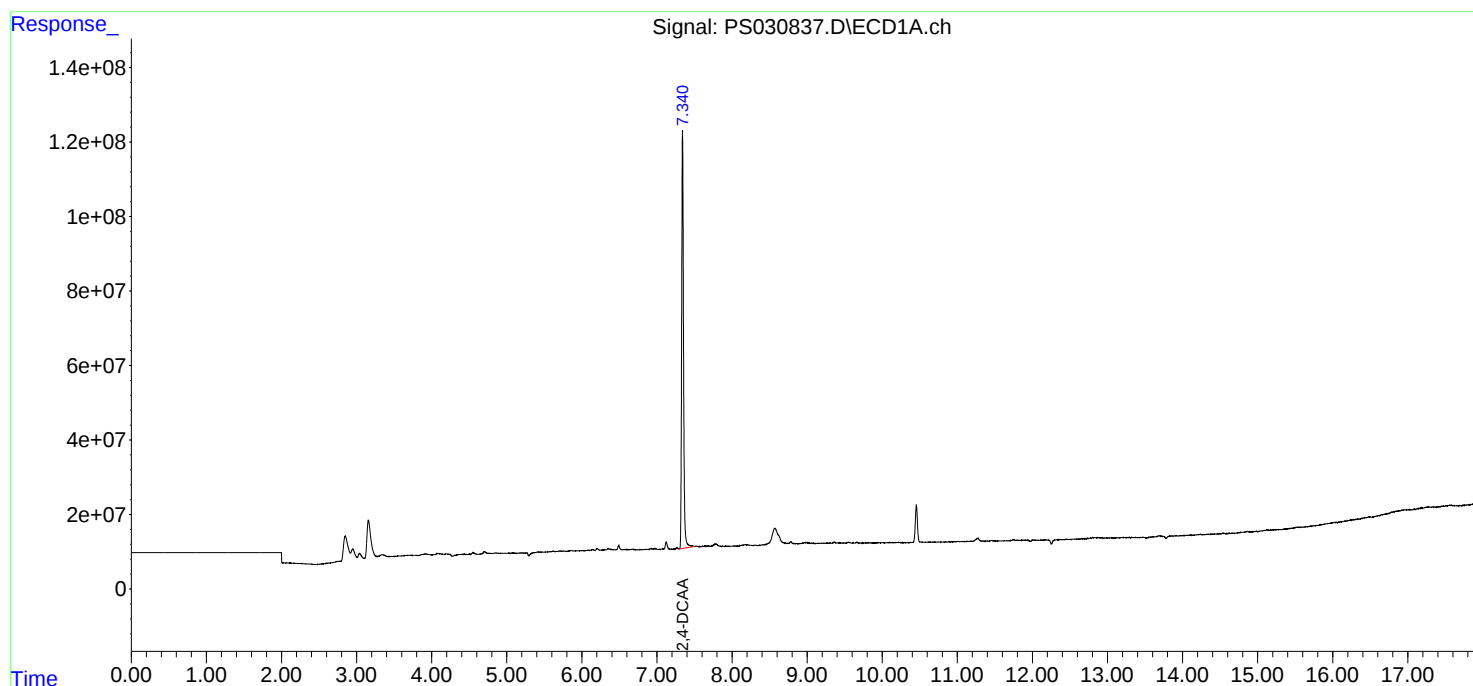
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

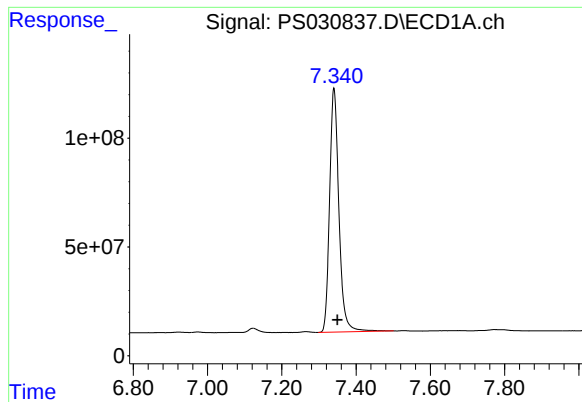
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 16:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:22:30 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

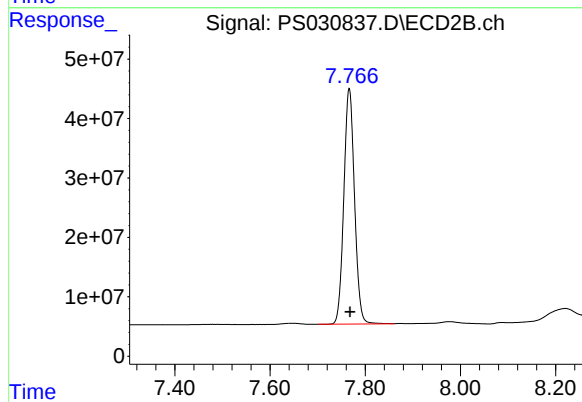




#4 2,4-DCAA

R.T.: 7.341 min
Delta R.T.: -0.009 min
Response: 1949107629
Conc: 530.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.001 min
Response: 618470857
Conc: 576.95 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/27/25
Project:	South River WM Replacement	Date Received:	06/27/25
Client Sample ID:	PIBLK-PS030849.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030849.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
PS030849.D	1		06/27/25	ps062725

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	573		61 - 136	115%	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\PS062725\
 Data File : PS030849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 21:29
 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 27 23:25:44 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	1955.7E6	614.5E6	532.246	573.208

Target Compounds

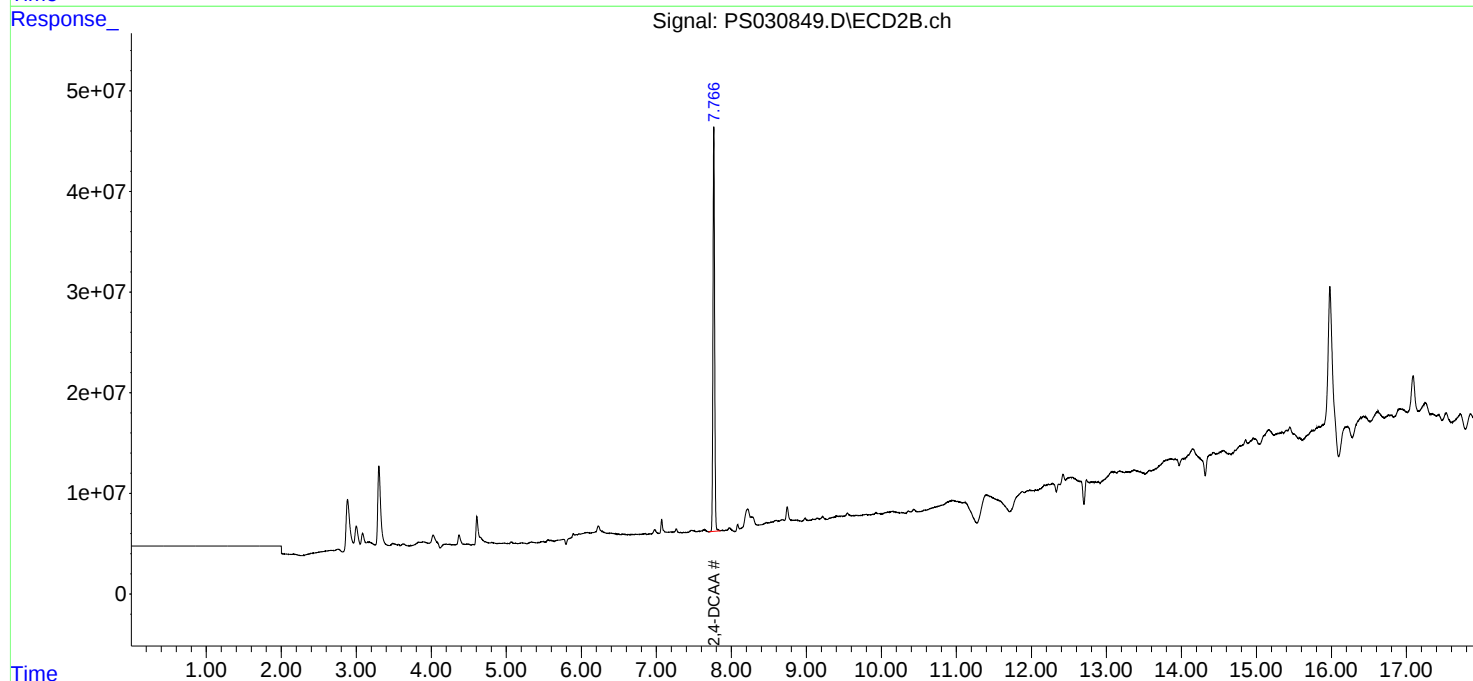
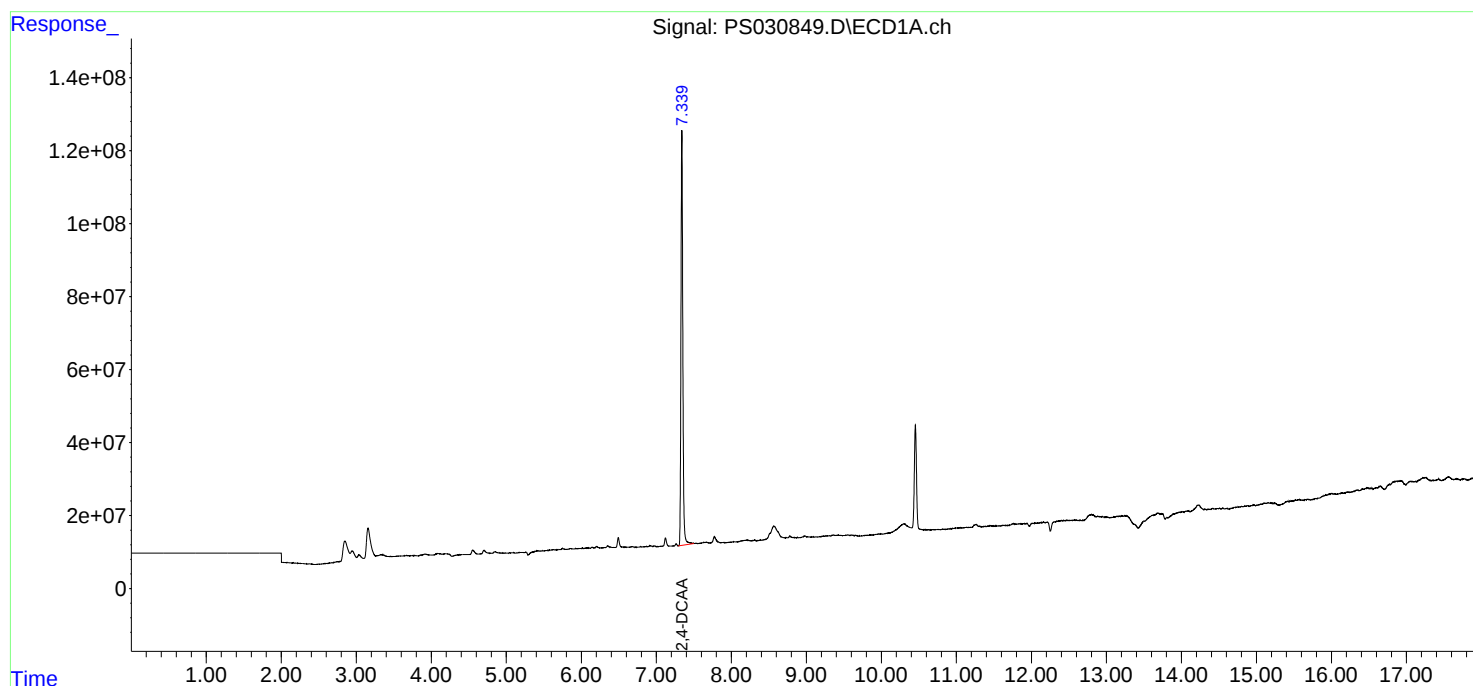
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

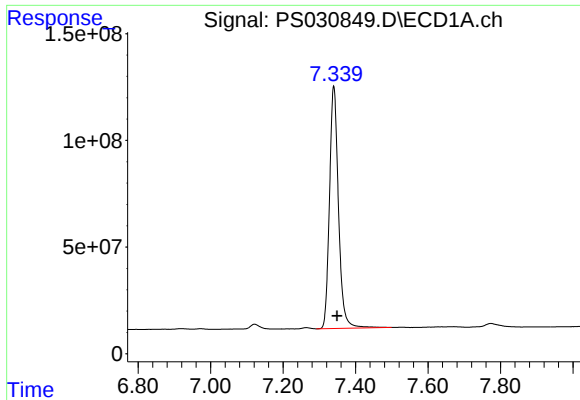
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 21:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:25:44 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

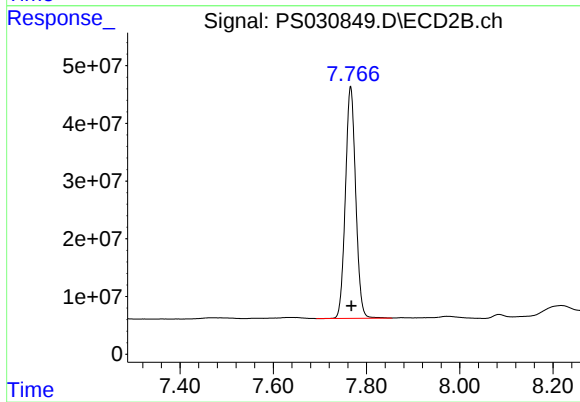




#4 2,4-DCAA

R.T.: 7.340 min
Delta R.T.: -0.010 min
Response: 1955682047
Conc: 532.25 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 614457895
Conc: 573.21 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/28/25
Project:	South River WM Replacement	Date Received:	06/28/25
Client Sample ID:	PIBLK-PS030858.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030858.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
PS030858.D	1		06/28/25	ps062725

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	591		61 - 136	118%	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\PS062725\
Data File : PS030858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:31
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 28 02:38:04 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	7.339	7.767	2015.7E6	633.5E6	548.593	590.980
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Target Compounds

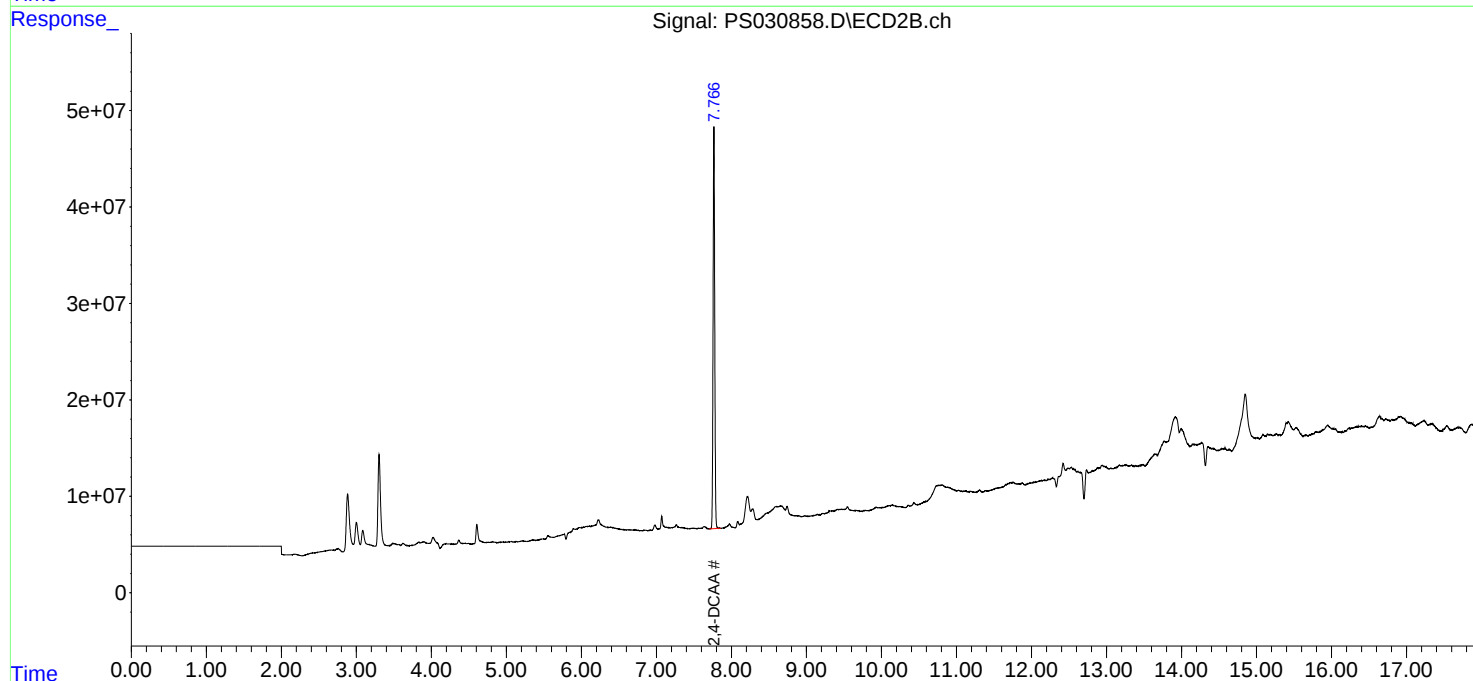
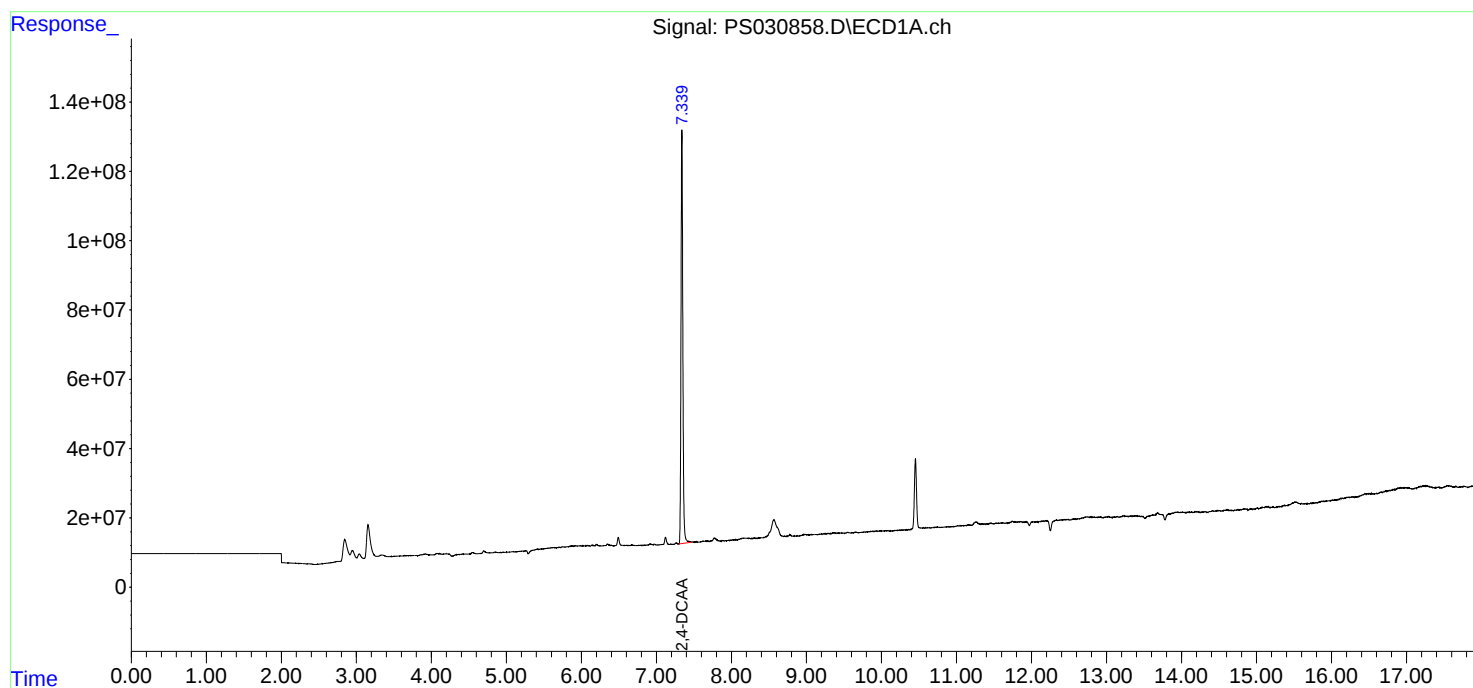
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

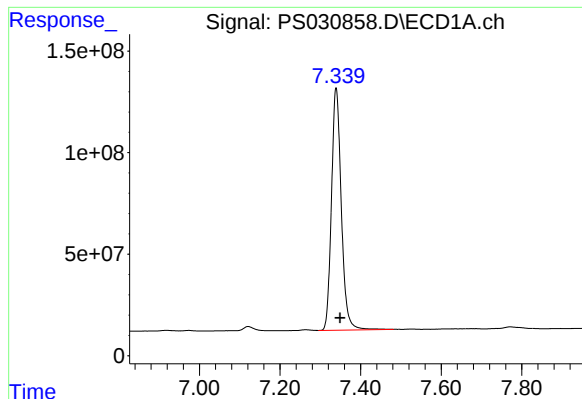
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Jun 2025 01:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 02:38:04 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

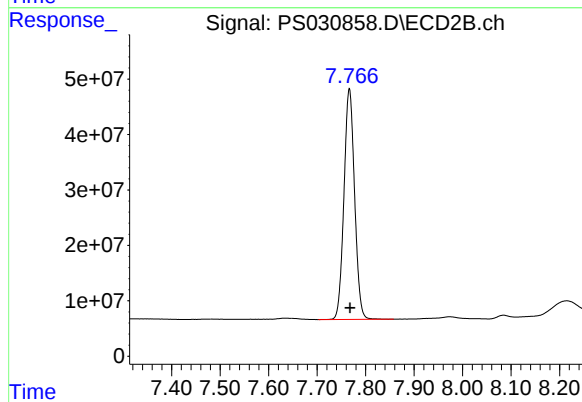




#4 2,4-DCAA

R.T.: 7.339 min
Delta R.T.: -0.010 min
Response: 2015747280
Conc: 548.59 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.767 min
Delta R.T.: -0.001 min
Response: 633509333
Conc: 590.98 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PS030861.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030861.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
PS030861.D	1		06/30/25	ps063025

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	484		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\PS063025\
Data File : PS030861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 09:29
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 01 01:35:29 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	1703.9E6	519.2E6	463.710	484.365

Target Compounds

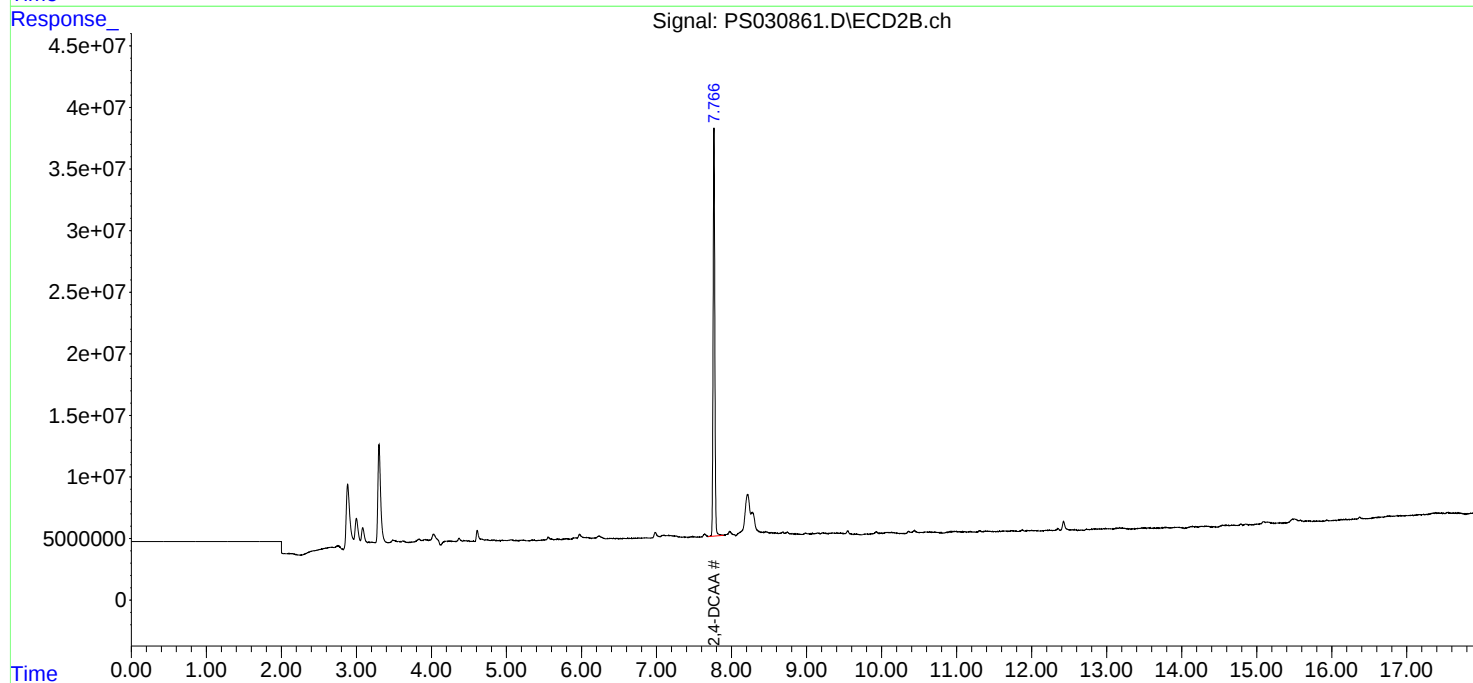
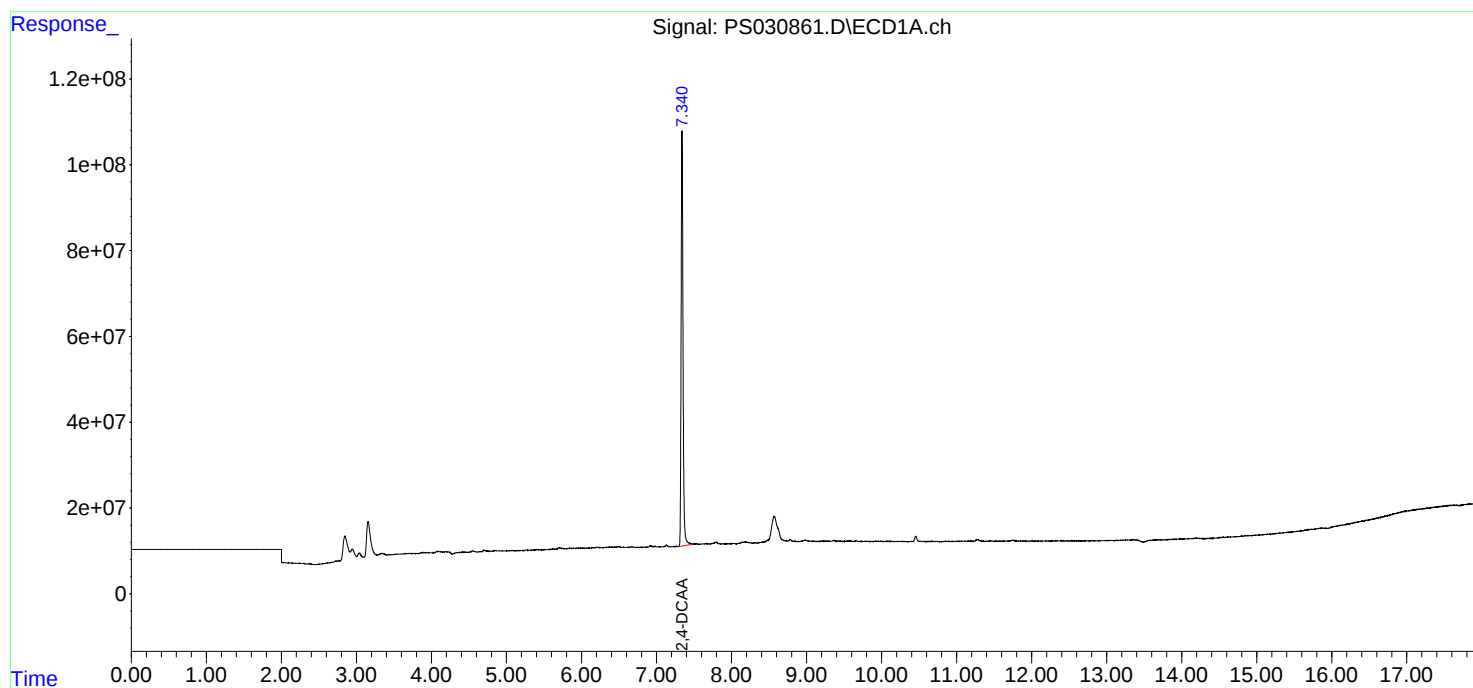
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
Data File : PS030861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 09:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

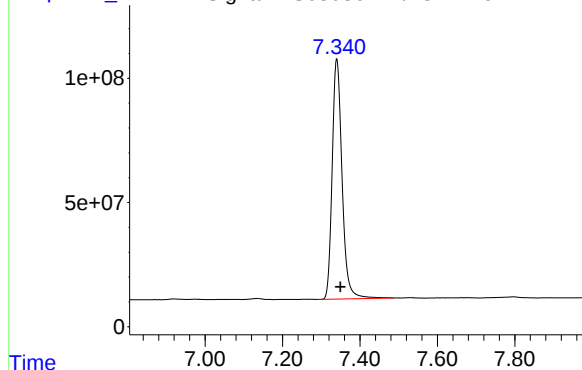
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:35:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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: PS030861.D\ECD1A.ch

#4 2,4-DCAA

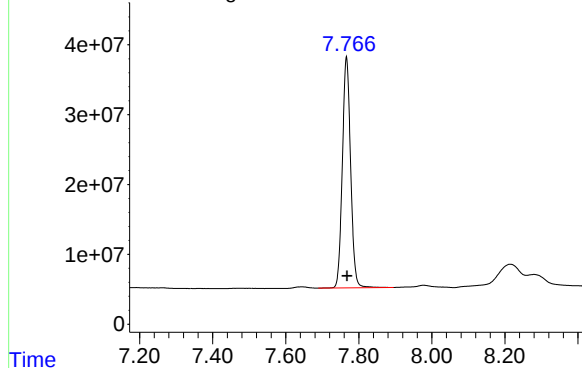


R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 1703852618
Conc: 463.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS030861.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 519221240
Conc: 484.36 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/30/25
Project:	South River WM Replacement	Date Received:	06/30/25
Client Sample ID:	PIBLK-PS030865.D	SDG No.:	Q2413
Lab Sample ID:	I.BLK-PS030865.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
PS030865.D	1		06/30/25	ps063025

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	486		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\PS063025\
Data File : PS030865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 17:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:36:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.340	7.768	1703.2E6	521.3E6	463.543	486.286

Target Compounds

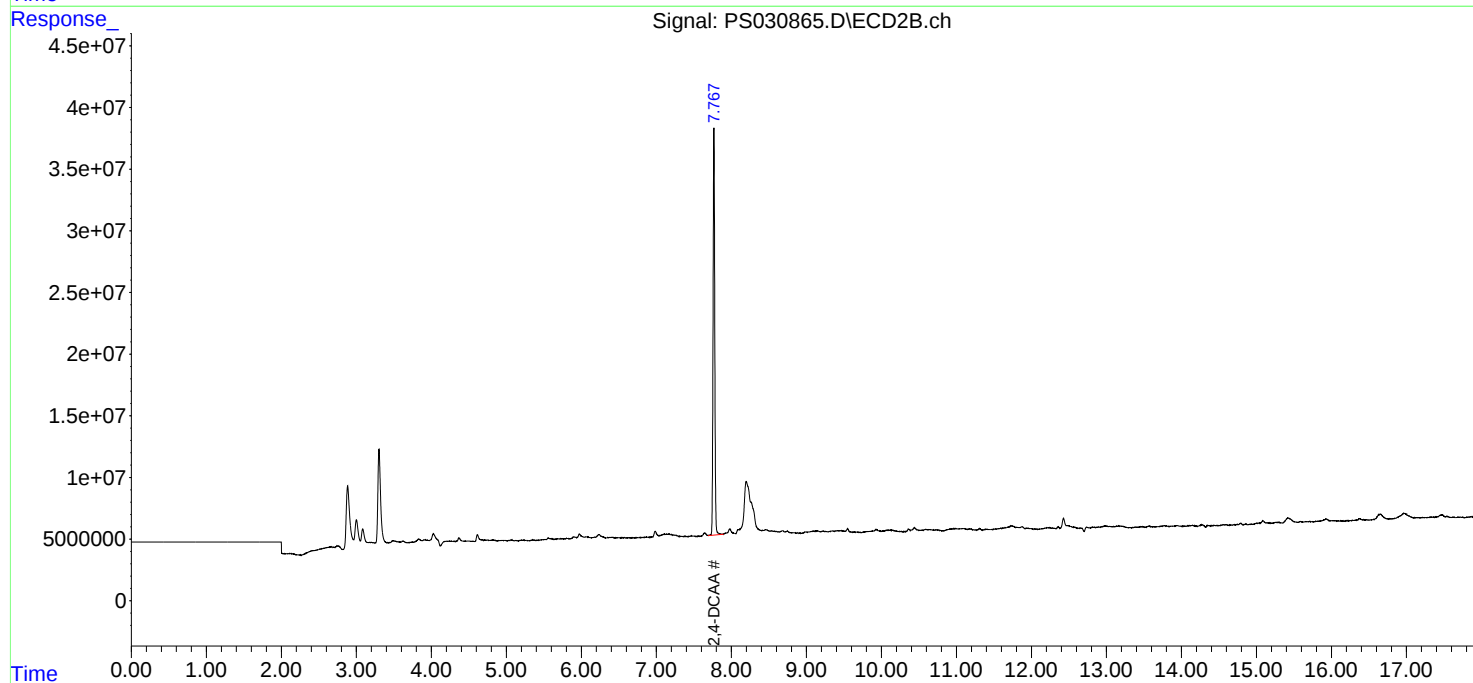
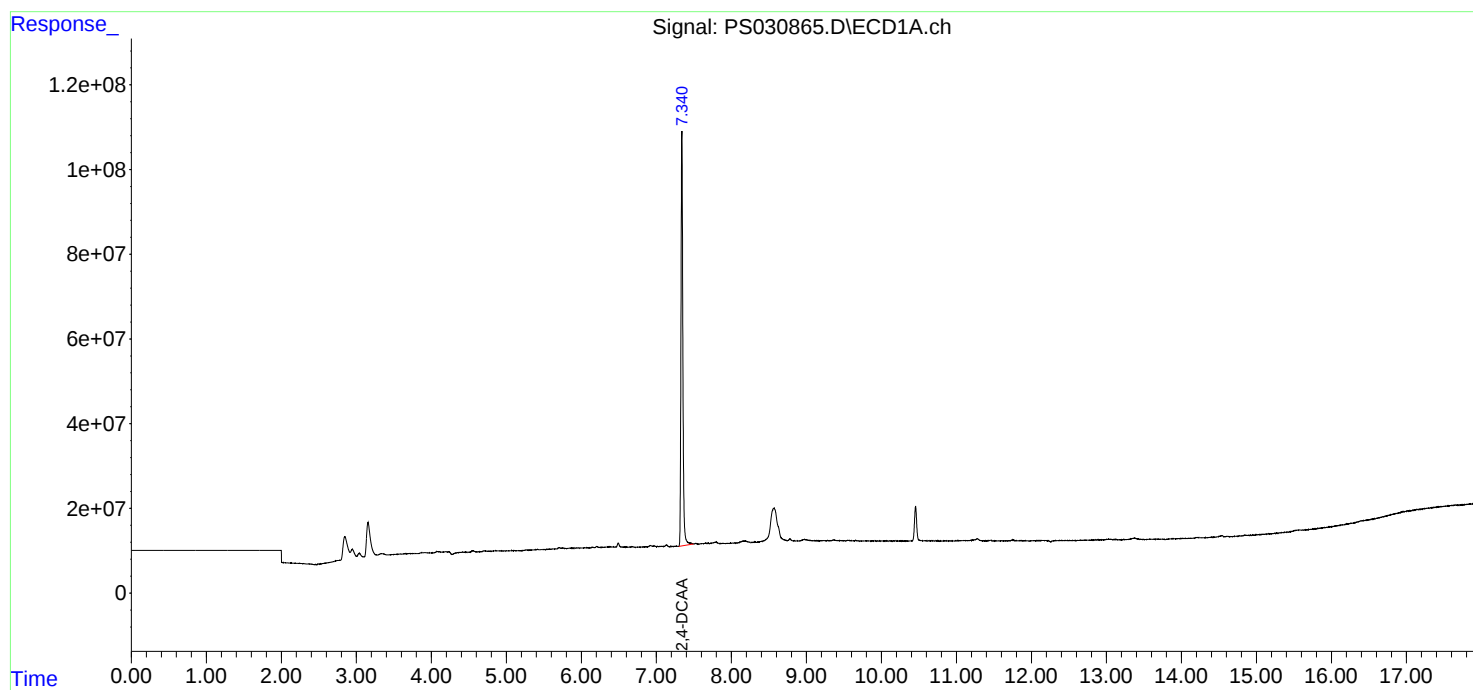
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS063025\
Data File : PS030865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Jun 2025 17:25
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

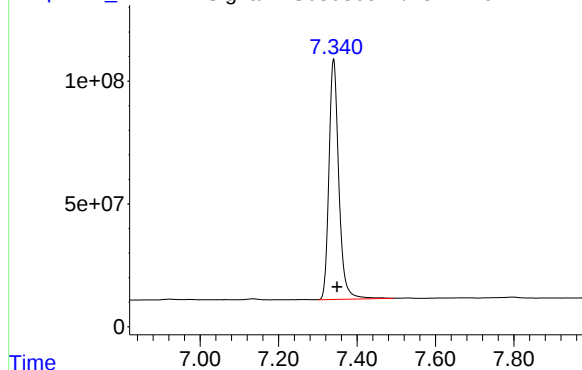
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 01:36:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS030865.D\ECD1A.ch

#4 2,4-DCAA

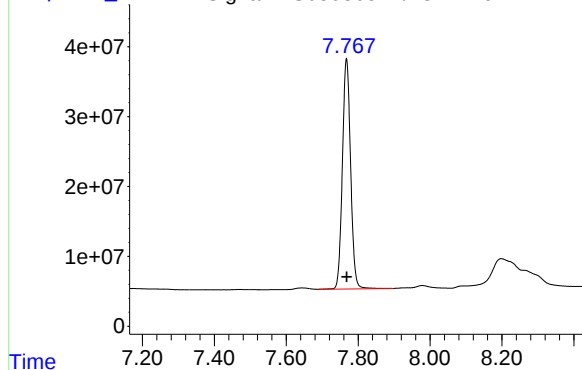


R.T.: 7.340 min
Delta R.T.: -0.009 min
Response: 1703238781
Conc: 463.54 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS030865.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.768 min
Delta R.T.: 0.000 min
Response: 521280669
Conc: 486.29 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168634BS	SDG No.:	Q2413
Lab Sample ID:	PB168634BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030840.D	1	06/26/25 13:00	06/27/25 17:52	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	163		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	156		12.8	67.0	ug/Kg
94-75-7	2,4-D	160		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	168		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	174		8.70	67.0	ug/Kg
94-82-6	2,4-DB	183		24.2	67.0	ug/Kg
88-85-7	DINOSEB	167		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	515		10 - 141	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\PS062725\
 Data File : PS030840.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 17:52
 Operator : AR\AJ
 Sample : PB168634BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168634BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:23:22 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	7.340	7.766	1893.2E6	543.2E6	515.228m	506.693
Target Compounds							
1) T	Dalapon	2.708	2.712	2877.2E6	1257.3E6	482.291m	458.577
2) T	3,5-DICHL...	6.500	6.713	2583.4E6	759.6E6	480.410	470.884
3) T	4-Nitroph...	7.140	7.299	755.5E6	787.3E6	479.154	454.182
5) T	DICAMBA	7.530	7.969	7426.0E6	3144.2E6	488.071	479.797
6) T	MCPD	7.710	8.066	457.3E6	105.4E6	48.713m	50.266
7) T	MCPA	7.861	8.315	555.4E6	150.5E6	47.350	47.846
8) T	DICHLORPROP	8.244	8.688	1755.8E6	732.7E6	468.753	465.937
9) T	2,4-D	8.476	9.024	1657.7E6	796.3E6	481.258	468.600
10) T	Pentachlo...	8.783	9.548	27123.1E6	19139.8E6	512.478	502.066
11) T	2,4,5-TP ...	9.363	9.929	10092.4E6	7061.2E6	503.855	489.386
12) T	2,4,5-T	9.657	10.355	8584.4E6	6759.0E6	521.746	494.635
13) T	2,4-DB	10.235	10.922	1256.7E6	570.2E6	547.925	482.032
14) T	DINOSEB	11.452	11.307	6938.0E6	5098.2E6	500.100m	472.880
15) T	Picloram	11.263	12.417	8483.7E6	11193.4E6	527.719m	481.613
16) T	DCPA	11.749	12.352	13359.3E6	11105.8E6	521.516	503.827m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 17:52
Operator : AR\AJ
Sample : PB168634BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

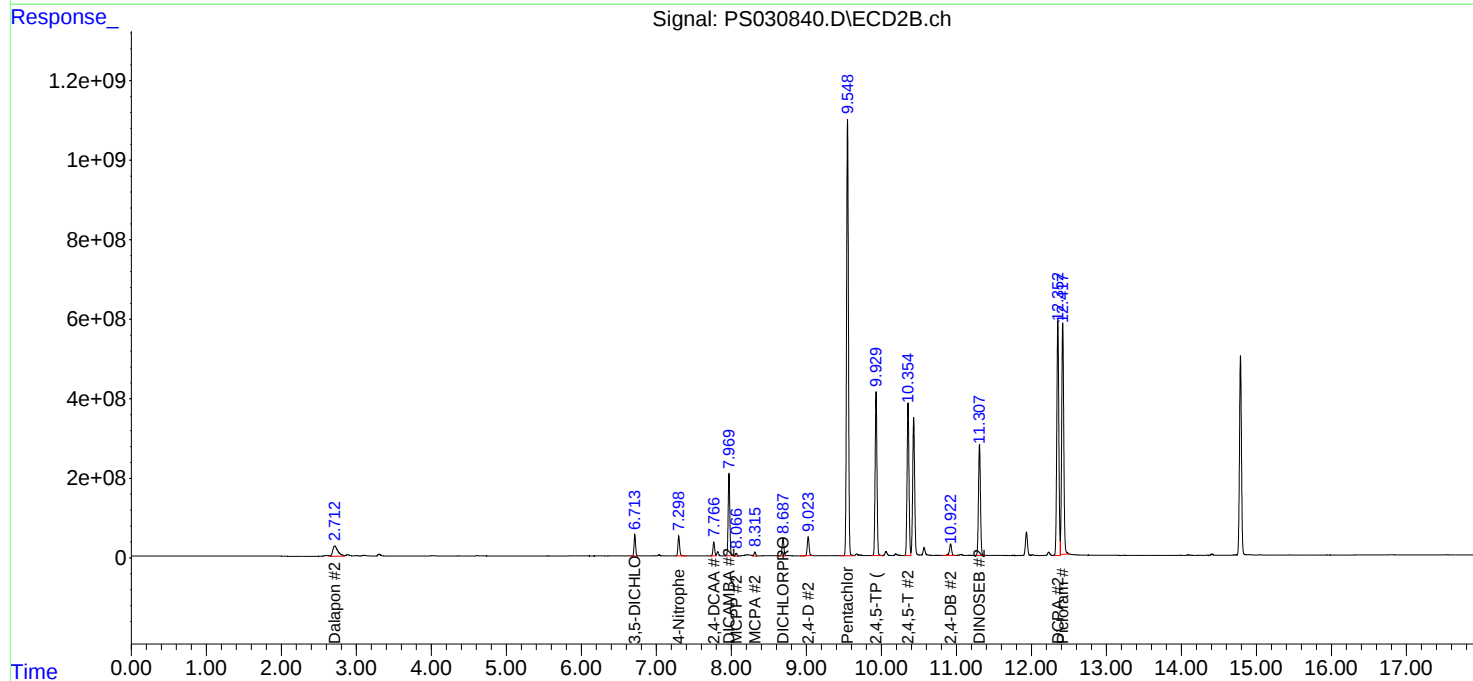
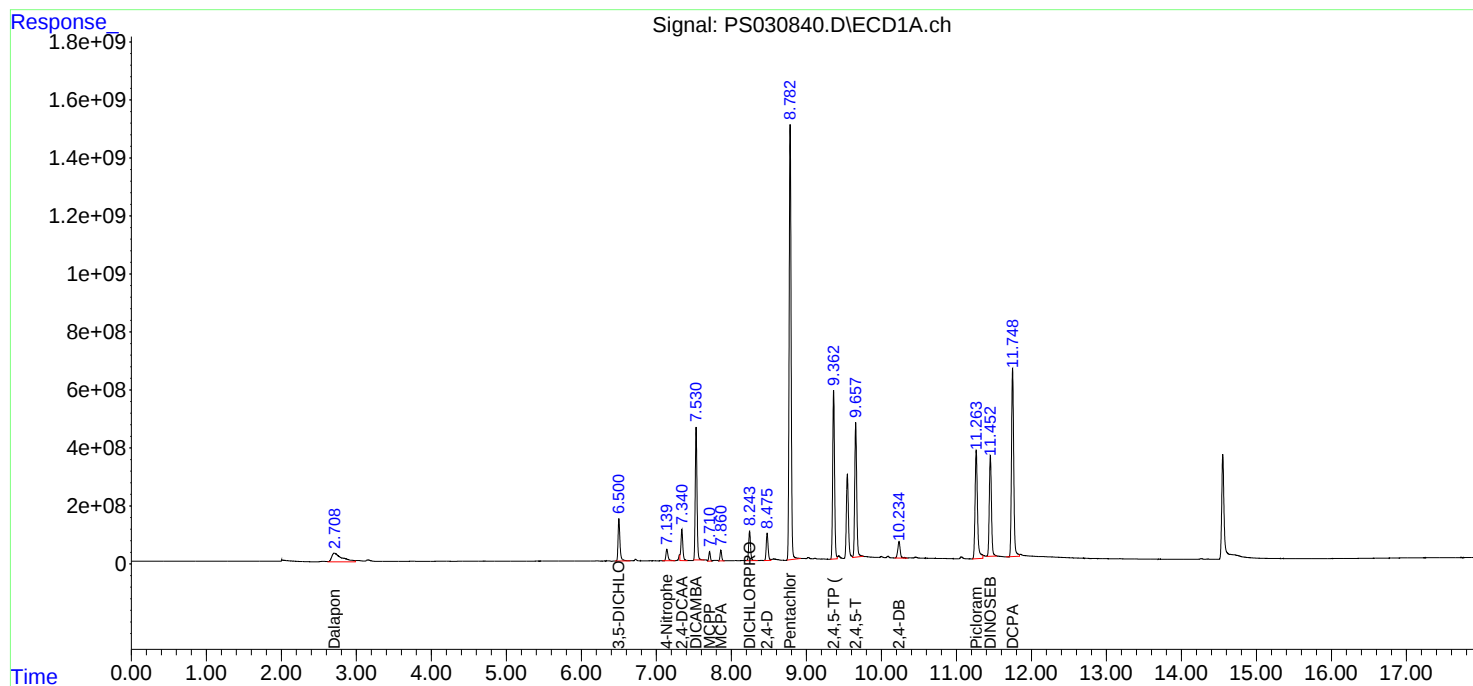
Instrument :
ECD_S
ClientSampleId :
PB168634BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:23:22 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



Report of Analysis

Client:	CDM Smith	Date Collected:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	MH-M/NMS	SDG No.:	Q2413
Lab Sample ID:	Q2405-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.8
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
PS030842.D	1	06/26/25 13:00	06/27/25 18:40	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	101		8.50	73.6	ug/Kg
120-36-5	DICHLORPROP	114		14.1	73.6	ug/Kg
94-75-7	2,4-D	131		9.90	73.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	114		10.0	73.6	ug/Kg
93-76-5	2,4,5-T	112		9.60	73.6	ug/Kg
94-82-6	2,4-DB	104		26.6	73.6	ug/Kg
88-85-7	DINOSEB	15.4	J	11.9	73.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	309		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\PS062725\
 Data File : PS030842.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 18:40
 Operator : AR\AJ
 Sample : Q2405-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

MH-M/HMS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:24:02 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	1135.9E6	329.4E6	309.133	307.310
Target Compounds							
1) T	Dalapon	2.696	2.703	625.1E6	672.1E6	104.790m	245.150m#
2) T	3,5-DICHL...	6.500	6.713	1561.0E6	499.9E6	290.285	309.886m
3) T	4-Nitroph...	7.140	7.300	399.4E6	434.8E6	253.303	250.794
5) T	DICAMBA	7.531	7.969	4206.9E6	1808.1E6	276.494	275.912
6) T	MCPD	7.709	8.066	261.5E6	50844223	27.853m	24.243
7) T	MCPA	7.859	8.313	312.0E6	79640597	26.593	25.317
8) T	DICHLORPROP	8.243	8.688	1116.1E6	488.5E6	297.962	310.652
9) T	2,4-D	8.476	9.024	1233.0E6	531.6E6	357.983	312.825
10) T	Pentachlo...	8.783	9.549	14880.0E6	10326.7E6	281.151	270.886
11) T	2,4,5-TP ...	9.363	9.929	6174.2E6	4507.1E6	308.239	312.373
12) T	2,4,5-T	9.657	10.355	5036.4E6	4060.1E6	306.106	297.123
13) T	2,4-DB	10.236	10.923	573.0E6	337.2E6	249.827m	285.097
14) T	DINOSEB	11.452	11.308	579.4E6	454.3E6	41.761m	42.138
15) T	Picloram	11.262	12.417	4025.9E6	5105.7E6	250.427m	219.679
16) T	DCPA	11.746	12.351	5904.6E6	6332.5E6	230.502	287.284m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 18:40
Operator : AR\AJ
Sample : Q2405-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

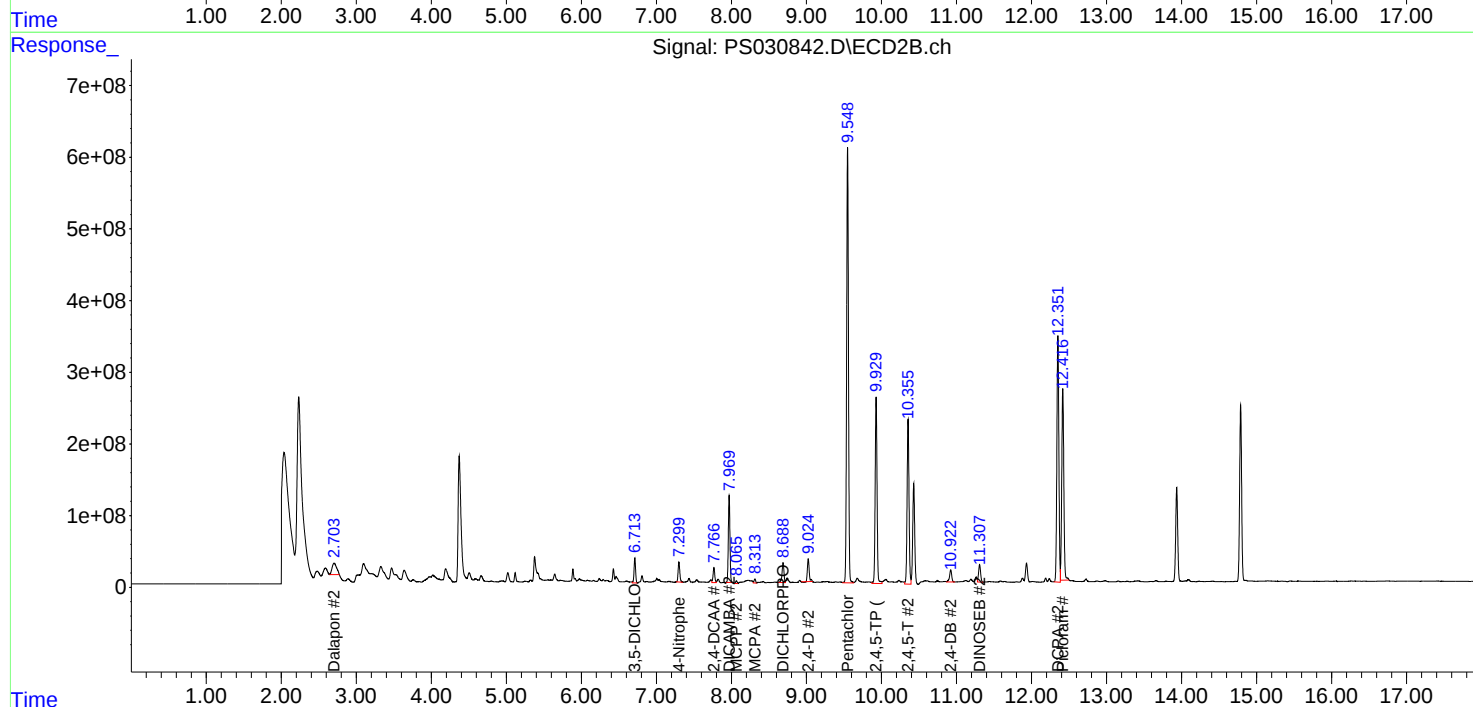
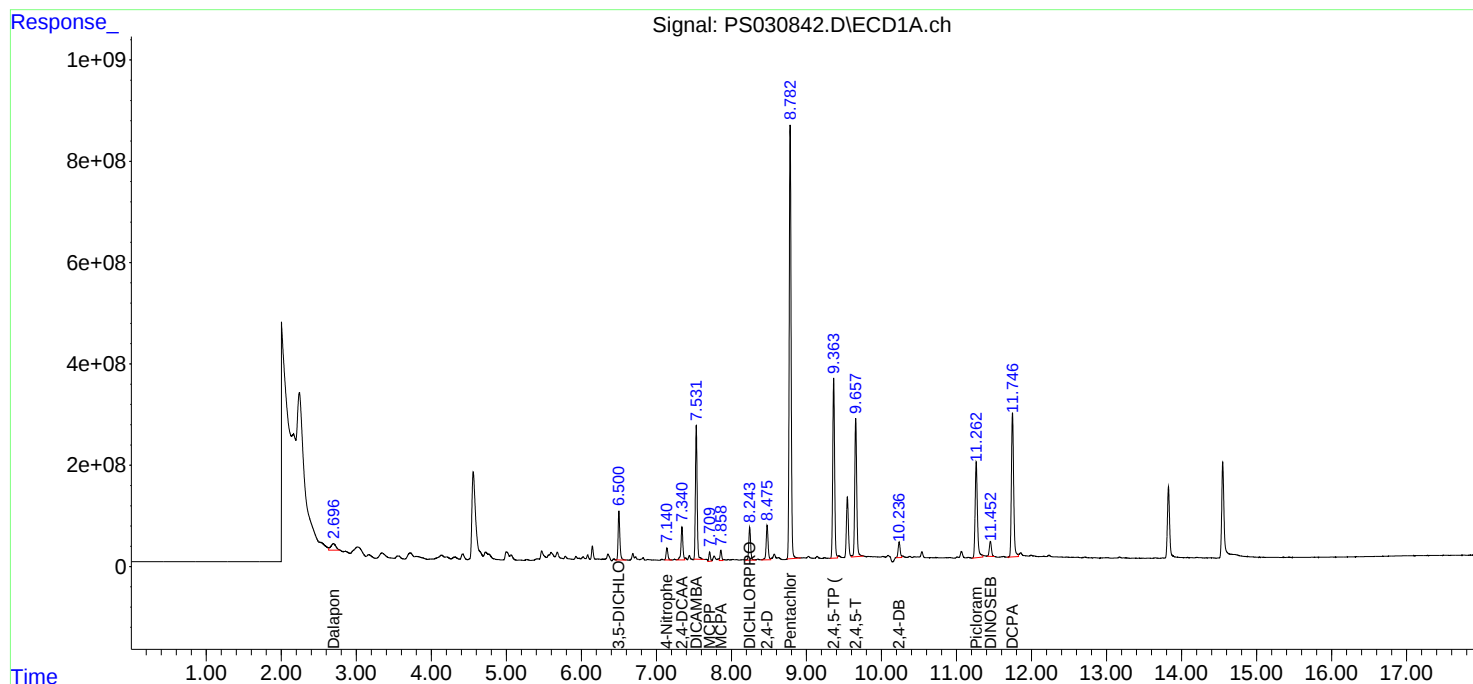
Instrument :
ECD_S
ClientSampleId :
MH-M/HMS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:02 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:	06/24/25
Project:	South River WM Replacement	Date Received:	06/24/25
Client Sample ID:	MH-M/NMSD	SDG No.:	Q2413
Lab Sample ID:	Q2405-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.8
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
PS030843.D	1	06/26/25 13:00	06/27/25 19:04	PB168634

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	101		8.50	73.6	ug/Kg
120-36-5	DICHLORPROP	111		14.1	73.6	ug/Kg
94-75-7	2,4-D	132		9.90	73.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	114		10.0	73.6	ug/Kg
93-76-5	2,4,5-T	113		9.60	73.6	ug/Kg
94-82-6	2,4-DB	104		26.6	73.6	ug/Kg
88-85-7	DINOSEB	16.0	J	11.9	73.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	309		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\PS062725\
 Data File : PS030843.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 19:04
 Operator : AR\AJ
 Sample : Q2405-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 MH-M/HMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:24:21 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	1137.0E6	329.7E6	309.428	307.529
Target Compounds							
1) T	Dalapon	2.693	2.706	915.7E6	644.8E6	153.488m	235.194m#
2) T	3,5-DICHL...	6.500	6.713	1564.9E6	493.4E6	291.001m	305.853m
3) T	4-Nitroph...	7.140	7.299	408.7E6	431.8E6	259.221	249.096
5) T	DICAMBA	7.530	7.969	4151.0E6	1803.7E6	272.822	275.232
6) T	MCPD	7.709	8.066	241.5E6	50033140	25.720m	23.856
7) T	MCPA	7.859	8.312	313.4E6	77697536	26.717	24.699
8) T	DICHLORPROP	8.243	8.687	1118.9E6	478.2E6	298.704	304.130m
9) T	2,4-D	8.476	9.024	1239.8E6	554.9E6	359.943	326.502m
10) T	Pentachlo...	8.782	9.548	14880.5E6	10290.8E6	281.159	269.942
11) T	2,4,5-TP ...	9.363	9.929	6196.4E6	4500.7E6	309.351	311.924
12) T	2,4,5-T	9.657	10.355	5076.7E6	4054.9E6	308.557	296.747
13) T	2,4-DB	10.236	10.922	587.7E6	336.4E6	256.229m	284.358
14) T	DINOSEB	11.452	11.308	606.8E6	456.4E6	43.739m	42.337
15) T	Picloram	11.262	12.417	4043.1E6	5111.5E6	251.499m	219.930
16) T	DCPA	11.746	12.351	5907.8E6	6339.7E6	230.626	287.608m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS062725\
Data File : PS030843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 19:04
Operator : AR\AJ
Sample : Q2405-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

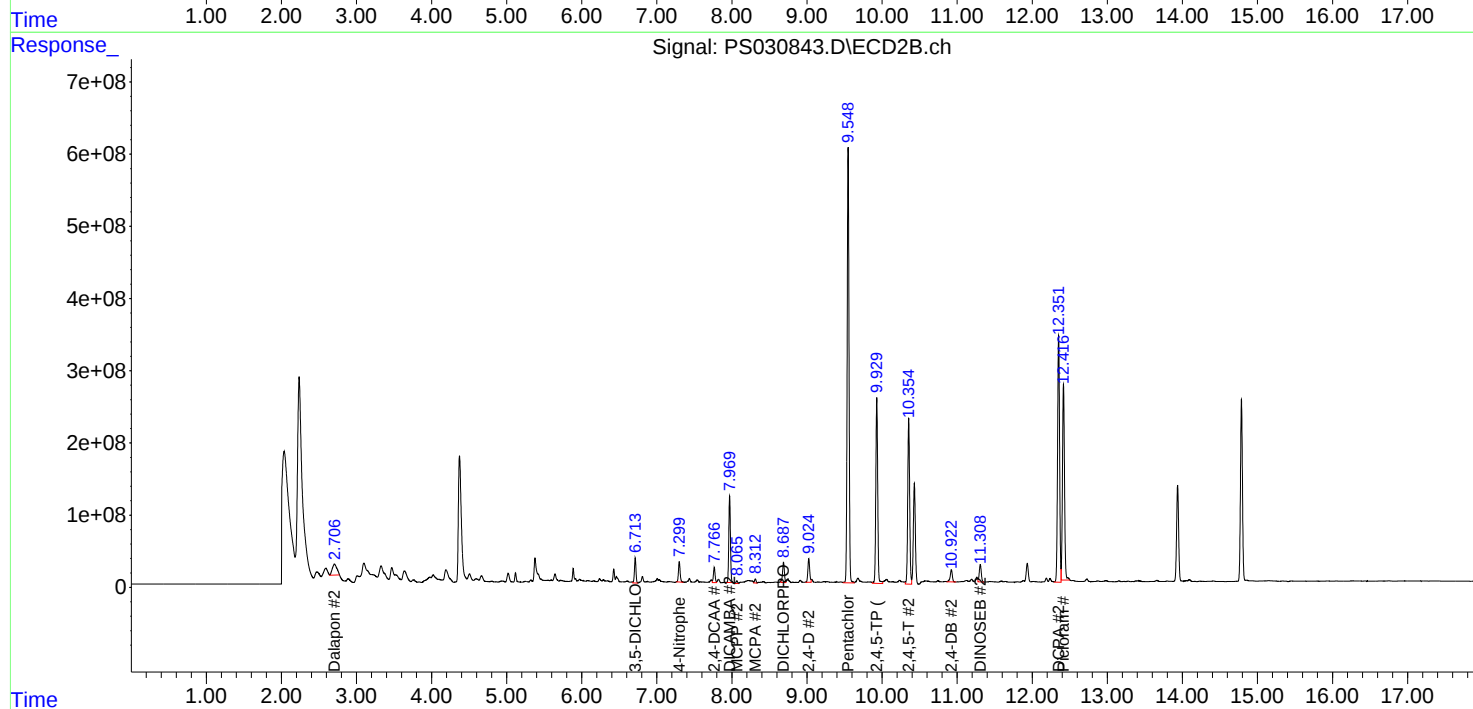
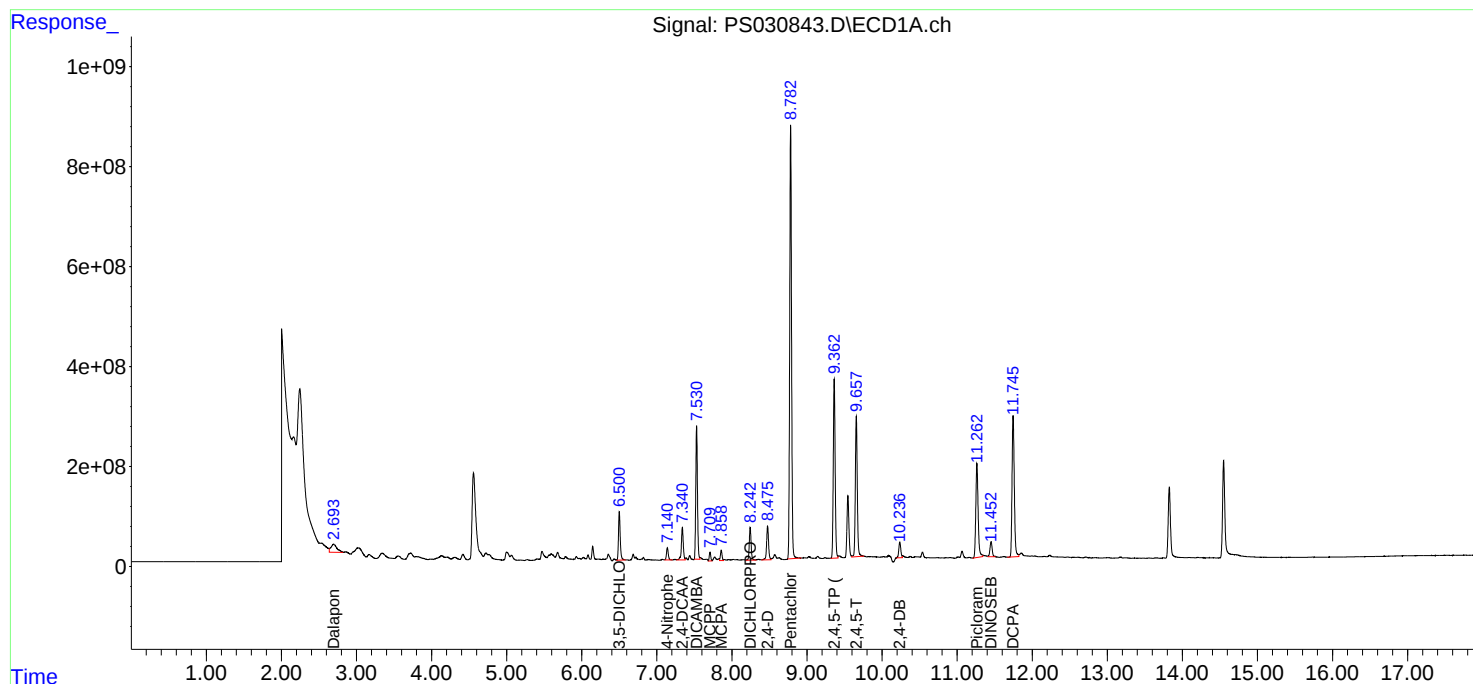
Instrument :
ECD_S
ClientSampleId :
MH-M/HMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/30/2025
Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:24:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS061825.M
Quant Title : 8080.M
QLast Update : Thu Jun 19 05:11:26 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

PS061825

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030739.D	Dalapon	Abdul	6/19/2025 8:24:10 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC750	PS030741.D	2,4-DCAA	Abdul	6/19/2025 8:24:14 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1000	PS030742.D	2,4-DCAA	Abdul	6/19/2025 8:24:17 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	2,4-DCAA	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICC1500	PS030743.D	Pentachlorophenol	Abdul	6/19/2025 8:24:22 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDICV750	PS030744.D	2,4-DCAA	Abdul	6/19/2025 8:24:26 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	2,4-DCAA	Abdul	6/20/2025 8:24:58 AM	mohammad	6/20/2025 8:27:44	Peak Integrated by Software
HSTDCCC750	PS030746.D	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:	ps062725	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030829.D	2,4-DCAA	Abdul	6/30/2025 7:59:37 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030829.D	D CPA #2	Abdul	6/30/2025 7:59:37 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030829.D	DINOSEB	Abdul	6/30/2025 7:59:37 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030829.D	MCPP	Abdul	6/30/2025 7:59:37 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030829.D	Picloram	Abdul	6/30/2025 7:59:37 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030838.D	2,4-DCAA	Abdul	6/30/2025 7:58:28 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030838.D	D CPA #2	Abdul	6/30/2025 7:58:28 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030838.D	DINOSEB	Abdul	6/30/2025 7:58:28 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030838.D	MCPP	Abdul	6/30/2025 7:58:28 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030838.D	Picloram	Abdul	6/30/2025 7:58:28 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PB168634BS	PS030840.D	2,4-DCAA	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PB168634BS	PS030840.D	Dalapon	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PB168634BS	PS030840.D	D CPA #2	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software

Manual Integration Report

Sequence:	ps062725	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168634BS	PS030840.D	DINOSEB	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PB168634BS	PS030840.D	MCPP	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PB168634BS	PS030840.D	Picloram	Abdul	6/30/2025 7:58:36 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	2,4-DB	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	Dalapon	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	Dalapon #2	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	DCPA #2	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	DINOSEB	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	MCPP	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MS	PS030842.D	Picloram	Abdul	6/30/2025 7:58:42 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	2,4-D #2	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	2,4-DB	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software

Manual Integration Report

Sequence:	ps062725	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2405-01MSD	PS030843.D	3,5-DICHLOROBENZOI C ACID	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	Dalapon	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	Dalapon #2	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	DCPA #2	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	DICHLORPROP #2	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	DINOSEB	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	MCPPP	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2405-01MSD	PS030843.D	Picloram	Abdul	6/30/2025 7:58:46 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2413-02	PS030845.D	2,4-DCAA #2	Abdul	6/30/2025 7:58:49 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2413-04	PS030847.D	2,4-DCAA #2	Abdul	6/30/2025 7:58:52 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030850.D	2,4-DCAA	Abdul	6/30/2025 7:58:56 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030850.D	DCPA #2	Abdul	6/30/2025 7:58:56 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software

Manual Integration Report

Sequence:

ps062725

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030850.D	DINOSEB	Abdul	6/30/2025 7:58:56 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030850.D	MCPPP	Abdul	6/30/2025 7:58:56 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030850.D	Picloram	Abdul	6/30/2025 7:58:56 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
Q2413-06	PS030851.D	2,4-DCAA #2	Abdul	6/30/2025 7:58:59 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	2,4-D #2	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	2,4-DB	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	2,4-DB #2	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	2,4-DCAA	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	DCCA #2	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	DICAMBA	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	DINOSEB	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	MCPPP	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software
PSTDCCC750	PS030859.D	Picloram	Abdul	6/30/2025 7:59:17 AM	mohammad	7/1/2025 3:04:37	Peak Integrated by Software



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

Manual Integration Report

Sequence:

ps062725

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

ps063025

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC750	PS030862.D	2,4-DB	Abdul	7/1/2025 8:28:15 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030862.D	DCPA #2	Abdul	7/1/2025 8:28:15 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030862.D	DINOSEB	Abdul	7/1/2025 8:28:15 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030862.D	MCPP	Abdul	7/1/2025 8:28:15 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030862.D	Picloram	Abdul	7/1/2025 8:28:15 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	2,4-DB	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	2,4-DCAA	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	DCPA #2	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	DINOSEB	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	MCPP	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	Peak Integrated by Software
PSTDCCC750	PS030866.D	Picloram	Abdul	7/1/2025 8:28:21 AM	mohammad	7/1/2025 8:56:00	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 # PS062725

Review By	Abdul	Review On	6/30/2025 8:00:21 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:37 AM
SubDirectory	PS062725	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	PS030827.D	27 Jun 2025 12:15	AR\AJ	Ok
2	I.BLK	PS030828.D	27 Jun 2025 12:39	AR\AJ	Ok
3	PSTDCCC750	PS030829.D	27 Jun 2025 13:03	AR\AJ	Ok,M
4	PB168638BL	PS030830.D	27 Jun 2025 13:51	AR\AJ	Ok
5	PB168638BS	PS030831.D	27 Jun 2025 14:15	AR\AJ	Ok,M
6	PB168638BSD	PS030832.D	27 Jun 2025 14:39	AR\AJ	Ok,M
7	Q2418-01	PS030833.D	27 Jun 2025 15:03	AR\AJ	Ok,M
8	Q2394-01	PS030834.D	27 Jun 2025 15:27	AR\AJ	Ok
9	Q2399-01	PS030835.D	27 Jun 2025 15:52	AR\AJ	Ok
10	Q2399-05	PS030836.D	27 Jun 2025 16:16	AR\AJ	Ok
11	I.BLK	PS030837.D	27 Jun 2025 16:40	AR\AJ	Ok
12	PSTDCCC750	PS030838.D	27 Jun 2025 17:04	AR\AJ	Ok,M
13	PB168634BL	PS030839.D	27 Jun 2025 17:28	AR\AJ	Not Ok
14	PB168634BS	PS030840.D	27 Jun 2025 17:52	AR\AJ	Ok,M
15	Q2405-01	PS030841.D	27 Jun 2025 18:16	AR\AJ	Ok,M
16	Q2405-01MS	PS030842.D	27 Jun 2025 18:40	AR\AJ	Ok,M
17	Q2405-01MSD	PS030843.D	27 Jun 2025 19:04	AR\AJ	Ok,M
18	Q2413-01	PS030844.D	27 Jun 2025 19:29	AR\AJ	Ok
19	Q2413-02	PS030845.D	27 Jun 2025 19:53	AR\AJ	Ok,M
20	Q2413-03	PS030846.D	27 Jun 2025 20:17	AR\AJ	Ok
21	Q2413-04	PS030847.D	27 Jun 2025 20:41	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS062725

Review By	Abdul	Review On	6/30/2025 8:00:21 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:37 AM
SubDirectory	PS062725	HP Acquire Method	HP Processing Method PS061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

22	Q2413-05	PS030848.D	27 Jun 2025 21:05	AR\AJ	Ok
23	I.BLK	PS030849.D	27 Jun 2025 21:29	AR\AJ	Ok
24	PSTDCCC750	PS030850.D	27 Jun 2025 21:53	AR\AJ	Ok,M
25	Q2413-06	PS030851.D	27 Jun 2025 22:41	AR\AJ	Ok,M
26	Q2414-01	PS030852.D	27 Jun 2025 23:06	AR\AJ	Ok
27	Q2415-01	PS030853.D	27 Jun 2025 23:30	AR\AJ	Ok,M
28	Q2416-01	PS030854.D	27 Jun 2025 23:54	AR\AJ	ReRun
29	Q2420-01	PS030855.D	28 Jun 2025 00:18	AR\AJ	Ok
30	Q2429-01	PS030856.D	28 Jun 2025 00:42	AR\AJ	Ok,M
31	Q2430-01	PS030857.D	28 Jun 2025 01:06	AR\AJ	Ok,M
32	I.BLK	PS030858.D	28 Jun 2025 01:31	AR\AJ	Ok
33	PSTDCCC750	PS030859.D	28 Jun 2025 01:55	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS063025

Review By	Abdul	Review On	7/1/2025 8:28:34 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:56:00 AM
SubDirectory	PS063025	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	PS030860.D	30 Jun 2025 09:05	AR\AJ	Ok
2	I.BLK	PS030861.D	30 Jun 2025 09:29	AR\AJ	Ok
3	PSTDCCC750	PS030862.D	30 Jun 2025 13:00	AR\AJ	Ok,M
4	PB168634BL	PS030863.D	30 Jun 2025 16:33	AR\AJ	Ok
5	Q2416-01RE	PS030864.D	30 Jun 2025 17:01	AR\AJ	Confirms
6	I.BLK	PS030865.D	30 Jun 2025 17:25	AR\AJ	Ok
7	PSTDCCC750	PS030866.D	30 Jun 2025 17:49	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 # PS062725

Review By	Abdul	Review On	6/30/2025 8:00:21 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:37 AM
SubDirectory	PS062725	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	PS030827.D	27 Jun 2025 12:15		AR\AJ	Ok
2	I.BLK	I.BLK	PS030828.D	27 Jun 2025 12:39		AR\AJ	Ok
3	PSTDCCC750	PSTDCCC750	PS030829.D	27 Jun 2025 13:03		AR\AJ	Ok,M
4	PB168638BL	PB168638BL	PS030830.D	27 Jun 2025 13:51		AR\AJ	Ok
5	PB168638BS	PB168638BS	PS030831.D	27 Jun 2025 14:15		AR\AJ	Ok,M
6	PB168638BSD	PB168638BSD	PS030832.D	27 Jun 2025 14:39		AR\AJ	Ok,M
7	Q2418-01	VAC-TRUCK-4074	PS030833.D	27 Jun 2025 15:03		AR\AJ	Ok,M
8	Q2394-01	MH-K/L	PS030834.D	27 Jun 2025 15:27		AR\AJ	Ok
9	Q2399-01	TP-13	PS030835.D	27 Jun 2025 15:52		AR\AJ	Ok
10	Q2399-05	EP-7	PS030836.D	27 Jun 2025 16:16		AR\AJ	Ok
11	I.BLK	I.BLK	PS030837.D	27 Jun 2025 16:40		AR\AJ	Ok
12	PSTDCCC750	PSTDCCC750	PS030838.D	27 Jun 2025 17:04		AR\AJ	Ok,M
13	PB168634BL	PB168634BL	PS030839.D	27 Jun 2025 17:28	Surrogate high in 2nd column	AR\AJ	Not Ok
14	PB168634BS	PB168634BS	PS030840.D	27 Jun 2025 17:52		AR\AJ	Ok,M
15	Q2405-01	MH-M/N	PS030841.D	27 Jun 2025 18:16		AR\AJ	Ok,M
16	Q2405-01MS	MH-M/NMS	PS030842.D	27 Jun 2025 18:40	some compound recovery fail	AR\AJ	Ok,M
17	Q2405-01MSD	MH-M/NMSD	PS030843.D	27 Jun 2025 19:04	some compound recovery fail , RPD Fail	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS062725

Review By	Abdul	Review On	6/30/2025 8:00:21 AM
Supervise By	mohammad	Supervise On	7/1/2025 3:04:37 AM
SubDirectory	PS062725	HP Acquire Method	HP Processing Method PS061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM	PP24562		
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	Q2413-01	TP-35	PS030844.D	27 Jun 2025 19:29		AR\AJ	Ok
19	Q2413-02	TP-34	PS030845.D	27 Jun 2025 19:53		AR\AJ	Ok,M
20	Q2413-03	TP-77	PS030846.D	27 Jun 2025 20:17		AR\AJ	Ok
21	Q2413-04	TP-74	PS030847.D	27 Jun 2025 20:41		AR\AJ	Ok,M
22	Q2413-05	TP-73	PS030848.D	27 Jun 2025 21:05		AR\AJ	Ok
23	I.BLK	I.BLK	PS030849.D	27 Jun 2025 21:29		AR\AJ	Ok
24	PSTDCCC750	PSTDCCC750	PS030850.D	27 Jun 2025 21:53		AR\AJ	Ok,M
25	Q2413-06	TP-72	PS030851.D	27 Jun 2025 22:41		AR\AJ	Ok,M
26	Q2414-01	WC-1	PS030852.D	27 Jun 2025 23:06		AR\AJ	Ok
27	Q2415-01	WC-1	PS030853.D	27 Jun 2025 23:30		AR\AJ	Ok,M
28	Q2416-01	MH-G/H	PS030854.D	27 Jun 2025 23:54	F Flag in surrogate in 2nd column , surrogate low in 1st column	AR\AJ	ReRun
29	Q2420-01	72-11933	PS030855.D	28 Jun 2025 00:18		AR\AJ	Ok
30	Q2429-01	TP-4	PS030856.D	28 Jun 2025 00:42		AR\AJ	Ok,M
31	Q2430-01	MH-E/F	PS030857.D	28 Jun 2025 01:06		AR\AJ	Ok,M
32	I.BLK	I.BLK	PS030858.D	28 Jun 2025 01:31		AR\AJ	Ok
33	PSTDCCC750	PSTDCCC750	PS030859.D	28 Jun 2025 01:55		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS063025

Review By	Abdul	Review On	7/1/2025 8:28:34 AM
Supervise By	mohammad	Supervise On	7/1/2025 8:56:00 AM
SubDirectory	PS063025	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	PS030860.D	30 Jun 2025 09:05		AR\AJ	Ok
2	I.BLK	I.BLK	PS030861.D	30 Jun 2025 09:29		AR\AJ	Ok
3	PSTDCCC750	PSTDCCC750	PS030862.D	30 Jun 2025 13:00		AR\AJ	Ok,M
4	PB168634BL	PB168634BL	PS030863.D	30 Jun 2025 16:33		AR\AJ	Ok
5	Q2416-01RE	MH-G/HRE	PS030864.D	30 Jun 2025 17:01	F Flag in surrogate 2nd column , Surrogate low in 1st column confirm with original run	AR\AJ	Confirms
6	I.BLK	I.BLK	PS030865.D	30 Jun 2025 17:25		AR\AJ	Ok
7	PSTDCCC750	PSTDCCC750	PS030866.D	30 Jun 2025 17:49		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136262

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
Q2413-01	TP-35	1	1.18	10.41	11.59	10.42	88.8	
Q2413-02	TP-34	2	1.13	10.60	11.73	10.88	92.0	
Q2413-03	TP-77	3	1.15	10.65	11.8	10.88	91.4	
Q2413-04	TP-74	4	1.15	10.83	11.98	10.84	89.5	
Q2413-05	TP-73	5	1.13	10.86	11.99	9.5	77.1	
Q2413-06	TP-72	6	1.16	10.74	11.9	10.5	87.0	
Q2414-01	WC-1	7	1.19	10.50	11.69	10.58	89.4	
Q2414-02	WC-1-EPH	8	1.17	10.08	11.25	10.22	89.8	
Q2414-03	WC-1-VOC	9	1.15	10.83	11.98	10.97	90.7	
Q2414-04	WC-1	10	1.19	10.50	11.69	10.58	89.4	
Q2415-01	WC-1	11	1.19	10.63	11.82	10.72	89.7	
Q2415-02	WC-1-EPH	12	1.15	10.00	11.15	10.12	89.7	
Q2415-03	WC-1-VOC	13	1.19	10.27	11.46	10.4	89.7	
Q2416-01	MH-G/H	14	1.15	10.86	12.01	10.89	89.7	
Q2416-02	MH-G/H-EPH	15	1.14	10.41	11.55	10.52	90.1	
Q2416-03	MH-G/H-VOC	16	1.12	10.57	11.69	10.8	91.6	
Q2416-04	MH-G/H	17	1.15	10.86	12.01	10.89	89.7	
Q2419-01	EO-03-06252025	26	1.17	10.53	11.7	10.97	93.1	
Q2419-02	EO-03-06252025-E2	27	1.13	10.23	11.36	10.36	90.2	
Q2420-01	72-11933	18	1.18	10.49	11.67	11.03	93.9	
Q2421-01	62325	19	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-02	624-A	20	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-03	624-B	21	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-04	624-C	22	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-05	624-D	23	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2421-06	62325-A	24	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2422-01	60263	25	1.00	1.00	2.00	2.00	100.0	oil sample
Q2423-01	RT915	28	1.19	10.63	11.82	10.88	91.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/26/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:14
Out Date: 06/26/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136262

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
Q2423-02	RT915	29	1.14	10.45	11.59	10.84	92.8	
Q2425-01	COMP-1	30	1.19	10.38	11.57	9.17	76.9	
Q2425-02	COMP-2	31	1.15	10.37	11.52	9.41	79.7	
Q2425-03	COMP-3	32	1.12	10.71	11.83	9.97	82.6	

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

WORKLIST(Hardcopy Internal Chain)

136262

WorkList Name : %1-062525

WorkList ID : 190366

Department : Wet-Chemistry

Date : 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2413-01	TP-35	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-02	TP-34	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-03	TP-77	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-04	TP-74	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-05	TP-73	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2413-06	TP-72	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-01	WC-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	D41	06/24/2025	Chemtech -SO
Q2414-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2414-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2414-04	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01	A33	06/25/2025	Chemtech -SO
Q2415-01	WC-1	Solid	Percent Solids	Cool 4 deg C	PSEG01		06/25/2025	Chemtech -SO
Q2415-02	WC-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2415-03	WC-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-01	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/24/2025	Chemtech -SO
Q2416-02	MH-G/H-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2416-03	MH-G/H-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2416-04	MH-G/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	A42	06/25/2025	Chemtech -SO
Q2419-01	EO-03-06252025	Solid	Percent Solids	Cool 4 deg C	PSEG03		06/25/2025	Chemtech -SO
Q2419-02	EO-03-06252025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2420-01	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG05	D51	06/25/2025	Chemtech -SO
Q2421-01	62325	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/25/2025	Chemtech -SO
					PSEG03	D51	06/25/2025	Chemtech -SO

Date/Time 06/25/25 15:10 Date/Time 06/25/25
 Raw Sample Received by: spwc Raw Sample Received by: CP SM
 Raw Sample Relinquished by: CP SM Raw Sample Relinquished by: spwc

WORKLIST(Hardcopy Internal Chain)

136262

WorkList Name : %1-062525

WorkList ID : 190366

Department : Wet-Chemistry

Date : 06-25-2025 08:11:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2421-02	624-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-03	624-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-04	624-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-05	624-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2421-06	62325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2422-01	60263	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-01	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2423-02	RT915	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	06/25/2025	Chemtech -SO
Q2425-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/25/2025	Chemtech -SO
Q2425-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO
Q2425-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	D51	06/24/2025	Chemtech -SO

06/25/25 15:10

Date/Time

Raw Sample Received by:

sf wocj

Raw Sample Relinquished by:

cp sm

Date/Time

06/25/25

Raw Sample Received by:

cp sm

Raw Sample Relinquished by:

SOP ID:	M8151A-Herbicide-23		
Clean Up SOP #:	N/A	Extraction Start Date :	06/26/2025
Matrix :	Solid	Extraction Start Time :	13:00
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	E3880	Hood ID:	3,4,5,7
Extraction Method:	☐ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☒ Soxhlet
		Extraction End Date :	06/27/2025
		Extraction End Time :	11:30
		Concentration By:	EH
		Supervisor By :	RUPESH

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24653
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
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	E3945
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.

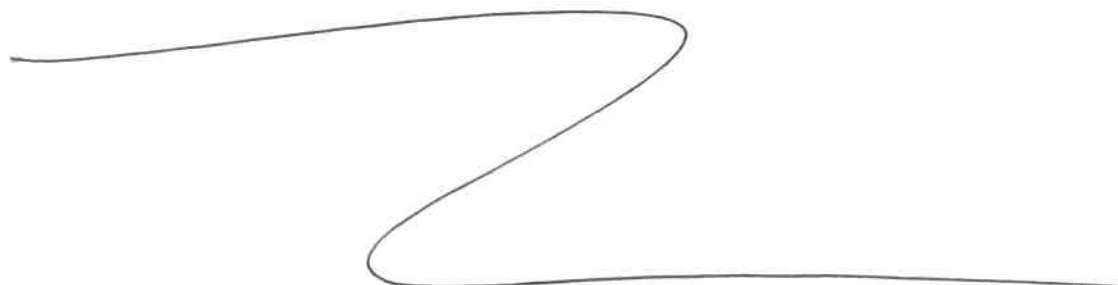
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/27/25	RS (Ext Lab)	R. Pest/Per Lab
11:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 06/27/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168634BL	HBLK634	Herbicide	30.02	N/A	ritesh	Evelyn	10			U2-1
PB168634BS	HLCS634	Herbicide	30.01	N/A	ritesh	Evelyn	10			2
Q2394-01	MH-K/L	Herbicide	30.07	N/A	ritesh	Evelyn	10	D		3
Q2399-01	TP-13	Herbicide	30.03	N/A	ritesh	Evelyn	10	D		4
Q2399-05	EP-7	Herbicide	30.05	N/A	ritesh	Evelyn	10	D		5
Q2405-01	MH-M/H	Herbicide	30.02	N/A	ritesh	Evelyn	10	D		6
Q2405-01MS	MH-M/HMS	Herbicide	30.08	N/A	ritesh	Evelyn	10	D		U3-1
Q2405-01MS D	MH-M/HMSD	Herbicide	30.06	N/A	ritesh	Evelyn	10	D		2
Q2413-01	TP-35	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2413-02	TP-34	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		4
Q2413-03	TP-77	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		5
Q2413-04	TP-74	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6
Q2413-05	TP-73	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U6-1
Q2413-06	TP-72	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		2
Q2414-01	WC-1	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2415-01	WC-1	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2416-01	MH-G/H	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2420-01	72-11933	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		6
Q2429-01	TP-4	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		U1-1
Q2430-01	MH-E/F	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2



RS
6/27

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2430 WorkList ID : 190428 Department : Extraction Date : 06-26-2025 12:55:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2394-01	MH-K/L	Solid	Herbicide	Cool 4 deg C	PSEG03	A21	06/23/2025	8151A
Q2399-01	TP-13	Solid	Herbicide	Cool 4 deg C	PSEG03	A41	06/23/2025	8151A
Q2399-05	EP-7	Solid	Herbicide	Cool 4 deg C	PSEG03	A41	06/23/2025	8151A
Q2405-01	MH-M/H	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	06/24/2025	8151A
Q2413-01	TP-35	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2413-02	TP-34	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2413-03	TP-77	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2413-04	TP-74	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2413-05	TP-73	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2413-06	TP-72	Solid	Herbicide	Cool 4 deg C	CAMP02	D41	06/24/2025	8151A
Q2414-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG01	A33	06/25/2025	8151A
Q2415-01	WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03		06/24/2025	8151A
Q2416-01	MH-G/H	Solid	Herbicide	Cool 4 deg C	PSEG03	A42	06/25/2025	8151A
Q2420-01	72-11933	Solid	Herbicide	Cool 4 deg C	PSEG03	D41	06/25/2025	8151A
Q2429-01	TP-4	Solid	Herbicide	Cool 4 deg C	PSEG03	A53	06/26/2025	8151A
Q2430-01	MH-E/F	Solid	Herbicide	Cool 4 deg C	PSEG03	A53	06/26/2025	8151A

Date/Time 06/26/25 12:55
 Raw Sample Received by: R3 (LFA-1066)
 Raw Sample Relinquished by: CP Sn

Date/Time 06/26/25 13:20
 Raw Sample Received by: CP Sn
 Raw Sample Relinquished by: R3 (LFA-1066)



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: 732 590 4679 FAX: 732 225 7851

CLIENT PROJECT INFORMATION

PROJECT NAME: SOUTH RIVER WM REPLACEMENT
PROJECT NO.: 302781 LOCATION: SOUTH RIVER NJ
PROJECT MANAGER: MARCIE ENCINAS
e-mail: ENCINASMA@CDMSMITH.COM
PHONE: 732 590 4679 FAX: 732 225 7851

CLIENT BILLING INFORMATION

BILL TO: CDM SMITH PO#: 110 FIELDCREST AVE #8 6TH FLOOR
ADDRESS: EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS PHONE: 732 590 4679

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 VOL 2. TCL VOL 3. TAL METALS 4. PCB 5. PESTICIDES 6. HERBICIDES 7. DRUGS 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-35	S		X	6/23/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-34	S		X	6/23/25	0905	6	X	X	X	X	X	X	X			E
3.	TP-77	S		X	6/23/25	1015	6	X	X	X	X	X	X	X			F
4.	TP-74	S		X	6/23/25	1115	6	X	X	X	X	X	X	X			E
5.	TP-73	S		X	6/23/25	1250	6	X	X	X	X	X	X	X			E
6.	TP-72	S		X	6/24/25	0805	6	X	X	X	X	X	X	X			E
7.																	E
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. <i>[Signature]</i>	DATE/TIME: 6/24/25 1500	RECEIVED BY: <i>[Signature]</i> 6-24-25 1500	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 31 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: <i>[Signature]</i>	Comments:
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 6-24-25	RECEIVED BY: 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



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2413	CAMP02	Order Date : 6/24/2025 3:05:00 PM	Project Mgr : Yazmeen
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/24/2025 4:25:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff : 6/25/2025 11:39:51 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2413-01	TP-35	Solid	06/23/2025	08:20	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-02	TP-34	Solid	06/23/2025	09:05	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-03	TP-77	Solid	06/23/2025	10:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-04	TP-74	Solid	06/23/2025	11:15	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-05	TP-73	Solid	06/23/2025	12:50	VOC-TCLVOA-10		8260D		10 Bus. Days
Q2413-06	TP-72	Solid	06/24/2025	08:05	VOC-TCLVOA-10		8260D		10 Bus. Days



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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2413	CAMP02	Order Date : 6/24/2025 3:05:00 PM	Project Mgr : Yazmeen
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 2
Client Contact : Marcie Ann Encinas		Receive DateTime : 6/24/2025 4:25:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff : 6/25/2025 11:39:51 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By : cl
Date / Time : 6/25/25 0935

Received By : Sam
Date / Time : 6/25/25 9:35 By H/L

Storage Area : VOA Refridgerator Room