

Cover Page

Order ID : Q2176

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2176-01
Q2176-02
Q2176-03
Q2176-04
Q2176-05
Q2176-06
Q2176-07
Q2176-08

Client Sample Number

TP-46
TP-56
TP-25
TP-26
TP-28
TP-27
TP-31
TP-65

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: 6/7/2025

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 #: Q2176

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: 06/07/2025

LAB CHRONICLE

OrderID:	Q2176	OrderDate:	5/30/2025 4:04:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2176-01	TP-46	SOIL			05/28/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/04/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-02	TP-56	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-03	TP-25	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/04/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-04	TP-26	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	
			Herbicide	8151A		06/03/25	06/05/25	
			PCB	8082A		06/03/25	06/03/25	
			Pesticide-TCL	8081B		06/03/25	06/03/25	
Q2176-05	TP-28	SOIL			05/29/25			05/30/25
			Diesel Range Organics	8015D		06/04/25	06/04/25	
			Gasoline Range Organics	8015D			06/03/25	

LAB CHRONICLE

Q2176-06	TP-27	SOIL	Herbicide	8151A	06/03/25	06/05/25	05/29/25	05/30/25
			PCB	8082A	06/03/25	06/03/25		
			Pesticide-TCL	8081B	06/03/25	06/03/25		
Q2176-07	TP-31	SOIL	Diesel Range Organics	8015D	06/04/25	06/04/25	05/29/25	05/30/25
			Gasoline Range Organics	8015D		06/03/25		
			Herbicide	8151A	06/03/25	06/05/25		
			PCB	8082A	06/03/25	06/03/25		
			Pesticide-TCL	8081B	06/03/25	06/03/25		
Q2176-08	TP-65	SOIL	Diesel Range Organics	8015D	06/04/25	06/04/25	05/30/25	05/30/25
			Gasoline Range Organics	8015D		06/04/25		
			Herbicide	8151A	06/03/25	06/05/25		
			PCB	8082A	06/03/25	06/03/25		
			Pesticide-TCL	8081B	06/03/25	06/03/25		



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

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

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.: Q2176

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS030475.D	PIBLK-PS030475.D	2,4-DCAA	1	500	414	83		61	136
		2,4-DCAA	2	500	445	89		61	136
I.BLK-PS030496.D	PIBLK-PS030496.D	2,4-DCAA	1	500	445	89		61	136
		2,4-DCAA	2	500	459	92		61	136
Q2160-05MS	TP05-MHH-WCMS	2,4-DCAA	1	500	494	99		10	141
		2,4-DCAA	2	500	480	96		10	141
Q2160-05MSD	TP05-MHH-WCMSD	2,4-DCAA	1	500	496	99		10	141
		2,4-DCAA	2	500	499	100		10	141
I.BLK-PS030505.D	PIBLK-PS030505.D	2,4-DCAA	1	500	442	88		61	136
		2,4-DCAA	2	500	460	92		61	136
PB168254BL	PB168254BL	2,4-DCAA	1	500	435	87		10	141
		2,4-DCAA	2	500	472	94		10	141
PB168254BS	PB168254BS	2,4-DCAA	1	500	508	102		10	141
		2,4-DCAA	2	500	502	100		10	141
I.BLK-PS030515.D	PIBLK-PS030515.D	2,4-DCAA	1	500	447	89		61	136
		2,4-DCAA	2	500	460	92		61	136
Q2176-01	TP-46	2,4-DCAA	1	500	320	64		10	141
		2,4-DCAA	2	500	339	68		10	141
Q2176-02	TP-56	2,4-DCAA	1	500	300	60		10	141
		2,4-DCAA	2	500	290	58		10	141
Q2176-03	TP-25	2,4-DCAA	1	500	317	63		10	141
		2,4-DCAA	2	500	340	68		10	141
Q2176-05	TP-28	2,4-DCAA	1	500	346	69		10	141
		2,4-DCAA	2	500	306	61		10	141
Q2176-06	TP-27	2,4-DCAA	1	500	247	49		10	141
		2,4-DCAA	2	500	254	51		10	141
Q2176-07	TP-31	2,4-DCAA	1	500	333	67		10	141
		2,4-DCAA	2	500	346	69		10	141
Q2176-08	TP-65	2,4-DCAA	1	500	316	63		10	141
		2,4-DCAA	2	500	360	72		10	141
I.BLK-PS030525.D	PIBLK-PS030525.D	2,4-DCAA	1	500	447	89		61	136
		2,4-DCAA	2	500	462	92		61	136
I.BLK-PS030528.D	PIBLK-PS030528.D	2,4-DCAA	1	500	448	90		61	136
		2,4-DCAA	2	500	466	93		61	136
Q2176-04	TP-26	2,4-DCAA	1	500	71.0	14		10	141
		2,4-DCAA	2	500	71.8	14		10	141
I.BLK-PS030531.D	PIBLK-PS030531.D	2,4-DCAA	1	500	451	90		61	136
		2,4-DCAA	2	500	457	91		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030500.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2160-05MS (Column 1)	TP05-MHH-WCMS											
	DICAMBA	201.4	0	176	ug/Kg	87				10	112	
	DICHLORPROP	201.4	0	189	ug/Kg	94				10	113	
	2,4-D	201.4	0	234	ug/Kg	116				10	144	
	2,4,5-TP(Silvex)	201.4	0	192	ug/Kg	95				10	114	
	2,4,5-T	201.4	0	191	ug/Kg	95				10	115	
	2,4-DB	201.4	0	132	ug/Kg	66				10	140	
Client Sample ID: Q2160-05MS (Column 2)	Dinoseb	201.4	0	0	ug/Kg	0	*			10	118	
	TP05-MHH-WCMS											
	DICAMBA	201.4	0	179	ug/Kg	89				10	112	
	DICHLORPROP	201.4	0	191	ug/Kg	95				10	113	
	2,4-D	201.4	0	188	ug/Kg	93				10	144	
	2,4,5-TP(Silvex)	201.4	0	196	ug/Kg	97				10	114	
	2,4,5-T	201.4	0	187	ug/Kg	93				10	115	
	2,4-DB	201.4	0	170	ug/Kg	84				10	140	
	Dinoseb	201.4	0	0	ug/Kg	0	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030501.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2160-05MSD (Column 1)	TP05-MHH-WCMSD											
	DICAMBA	201.7	0	177	ug/Kg	88		1		10	112	20
	DICHLORPROP	201.7	0	190	ug/Kg	94		0		10	113	20
	2,4-D	201.7	0	234	ug/Kg	116		0		10	144	20
	2,4,5-TP(Silvex)	201.7	0	192	ug/Kg	95		0		10	114	20
	2,4,5-T	201.7	0	192	ug/Kg	95		0		10	115	20
	2,4-DB	201.7	0	131	ug/Kg	65		2		10	140	20
Client Sample ID: Q2160-05MSD (Column 2)	Dinoseb	201.7	0	0	ug/Kg	0	*	0		10	118	20
	TP05-MHH-WCMSD											
	DICAMBA	201.7	0	181	ug/Kg	90		1		10	112	20
	DICHLORPROP	201.7	0	191	ug/Kg	95		0		10	113	20
	2,4-D	201.7	0	186	ug/Kg	92		1		10	144	20
	2,4,5-TP(Silvex)	201.7	0	198	ug/Kg	98		1		10	114	20
	2,4,5-T	201.7	0	187	ug/Kg	93		0		10	115	20
	2,4-DB	201.7	0	167	ug/Kg	83		1		10	140	20
	Dinoseb	201.7	0	0	ug/Kg	0	*	0		10	118	20

**SW-846**

Datafile : PS030514.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB168254BS (Column 1)	DICAMBA	166.6	162	ug/Kg	97				72	129
	DICHLORPROP	166.6	160	ug/Kg	96				77	135
	2,4-D	166.6	160	ug/Kg	96				65	144
	2,4,5-TP(Silvex)	166.6	166	ug/Kg	100				74	146
	2,4,5-T	166.6	160	ug/Kg	96				77	134
	2,4-DB	166.6	154	ug/Kg	92				72	122
	Dinoseb	166.6	163	ug/Kg	98				74	132
PB168254BS (Column 2)	DICAMBA	166.6	158	ug/Kg	95				72	129
	DICHLORPROP	166.6	158	ug/Kg	95				77	135
	2,4-D	166.6	163	ug/Kg	98				65	144
	2,4,5-TP(Silvex)	166.6	162	ug/Kg	97				74	146
	2,4,5-T	166.6	161	ug/Kg	97				77	134
	2,4-DB	166.6	158	ug/Kg	95				72	122
	Dinoseb	166.6	158	ug/Kg	95				74	132

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168254BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168254BL

Lab File ID: PS030513.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/05/2025

Date Analyzed (2): 06/05/2025

Time Analyzed (1): 03:17

Time Analyzed (2): 03:17

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
TP05-MHH-WCMS	Q2160-05MS	PS030500.D	06/04/2025	06/04/2025
TP05-MHH-WCMSD	Q2160-05MSD	PS030501.D	06/04/2025	06/04/2025
PB168254BS	PB168254BS	PS030514.D	06/05/2025	06/05/2025
TP-46	Q2176-01	PS030517.D	06/05/2025	06/05/2025
TP-56	Q2176-02	PS030518.D	06/05/2025	06/05/2025
TP-25	Q2176-03	PS030519.D	06/05/2025	06/05/2025
TP-28	Q2176-05	PS030521.D	06/05/2025	06/05/2025
TP-27	Q2176-06	PS030522.D	06/05/2025	06/05/2025
TP-31	Q2176-07	PS030523.D	06/05/2025	06/05/2025
TP-65	Q2176-08	PS030524.D	06/05/2025	06/05/2025
TP-26	Q2176-04	PS030530.D	06/05/2025	06/05/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.7
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
PS030517.D	1	06/03/25 09:00	06/05/25 05:17	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.9	ug/Kg
120-36-5	DICHLORPROP	15.3	U	15.3	79.9	ug/Kg
94-75-7	2,4-D	10.8	U	10.8	79.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	79.9	ug/Kg
93-76-5	2,4,5-T	10.4	U	10.4	79.9	ug/Kg
94-82-6	2,4-DB	28.9	U	28.9	79.9	ug/Kg
88-85-7	DINOSEB	12.9	U	12.9	79.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	339		10 - 141	68%	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\PS060425\
Data File : PS030517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:17
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-46

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	1209.6E6	364.4E6	320.405	338.772
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Target Compounds

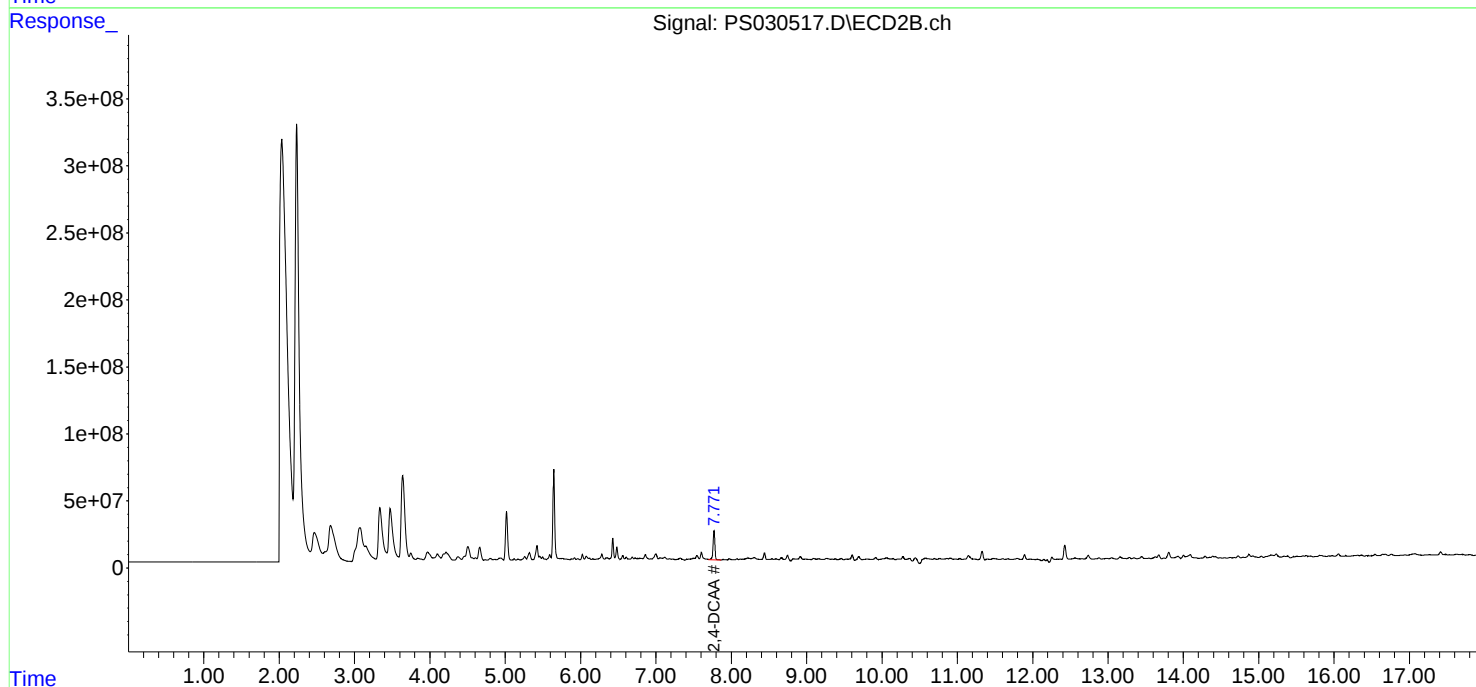
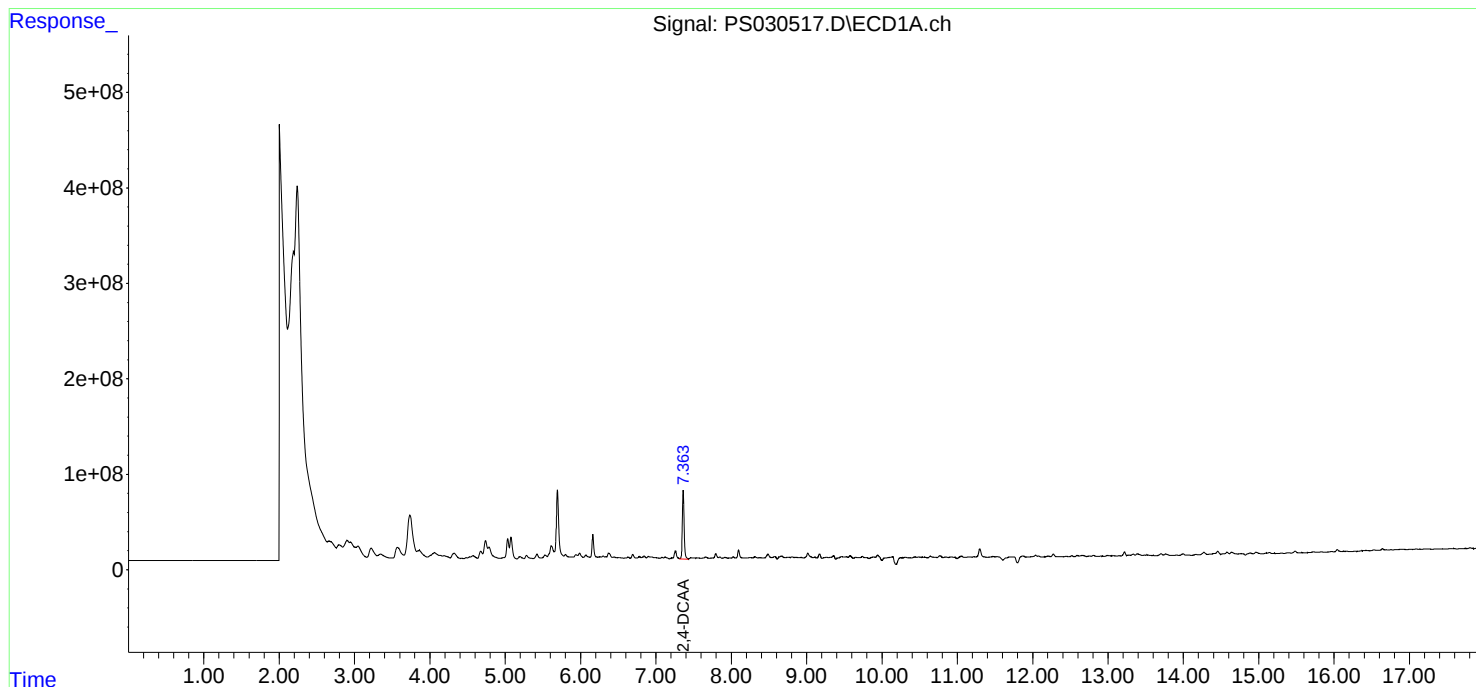
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

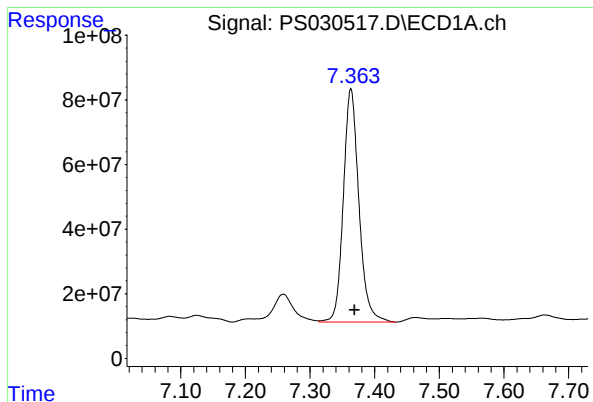
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030517.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:17
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-46

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.363 min

Delta R.T.: -0.006 min

Response: 1209574435

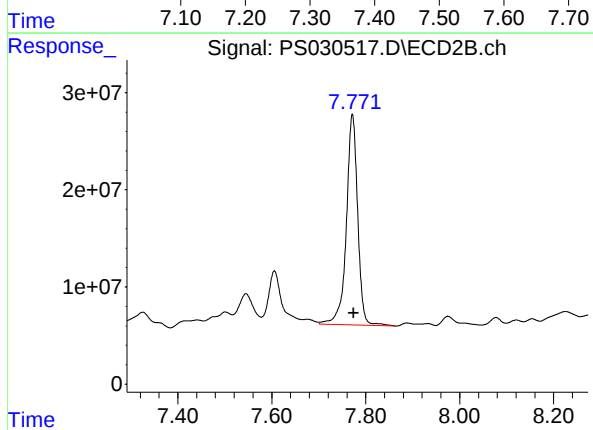
Conc: 320.40 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-46



#4 2,4-DCAA

R.T.: 7.772 min

Delta R.T.: -0.003 min

Response: 364387136

Conc: 338.77 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.2
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030518.D	1	06/03/25 09:00	06/05/25 05:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.5	ug/Kg
120-36-5	DICHLORPROP	14.8	U	14.8	77.5	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.5	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.5	ug/Kg
94-82-6	2,4-DB	28.0	U	28.0	77.5	ug/Kg
88-85-7	DINOSEB	12.5	U	12.5	77.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	300		10 - 141	60%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030518.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 05:41
 Operator : AR\AJ
 Sample : Q2176-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-56

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 08:33:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.771	1131.3E6	311.8E6	299.663	289.923m
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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\PS060425\
Data File : PS030518.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 05:41
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

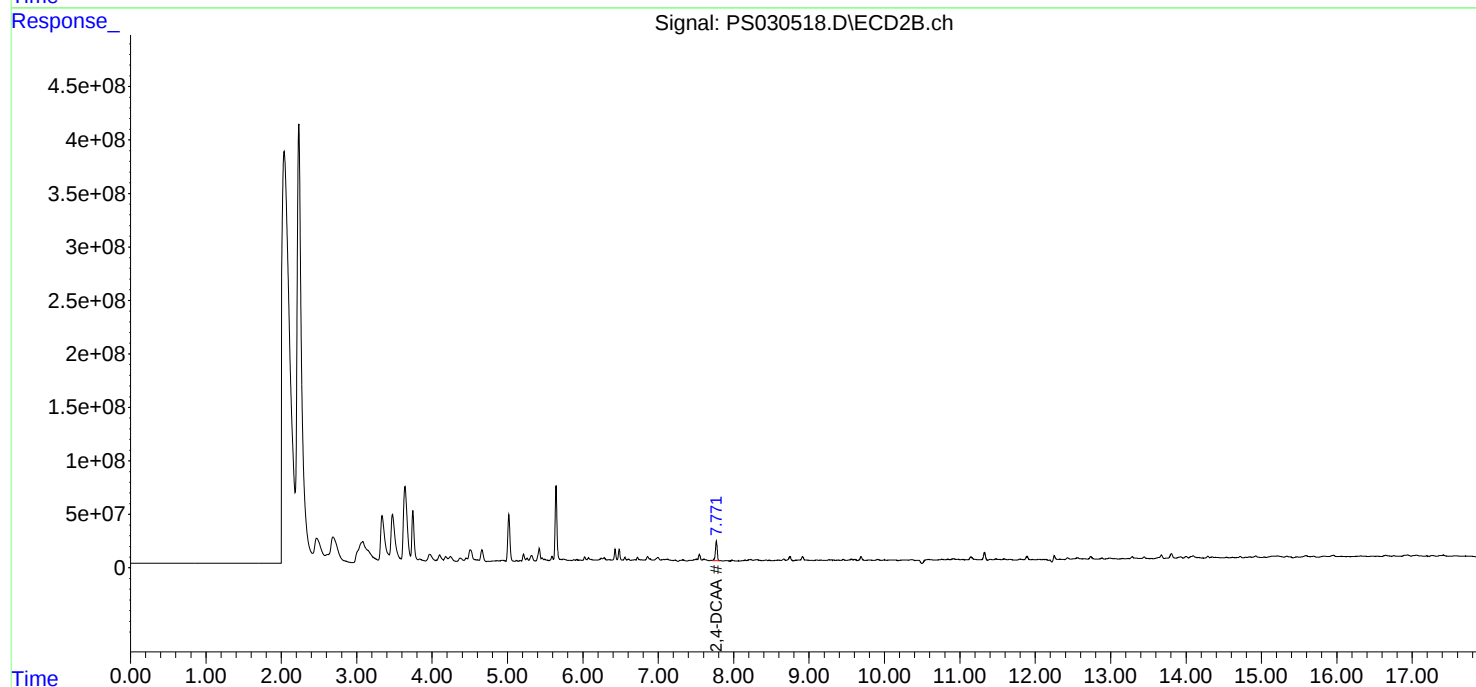
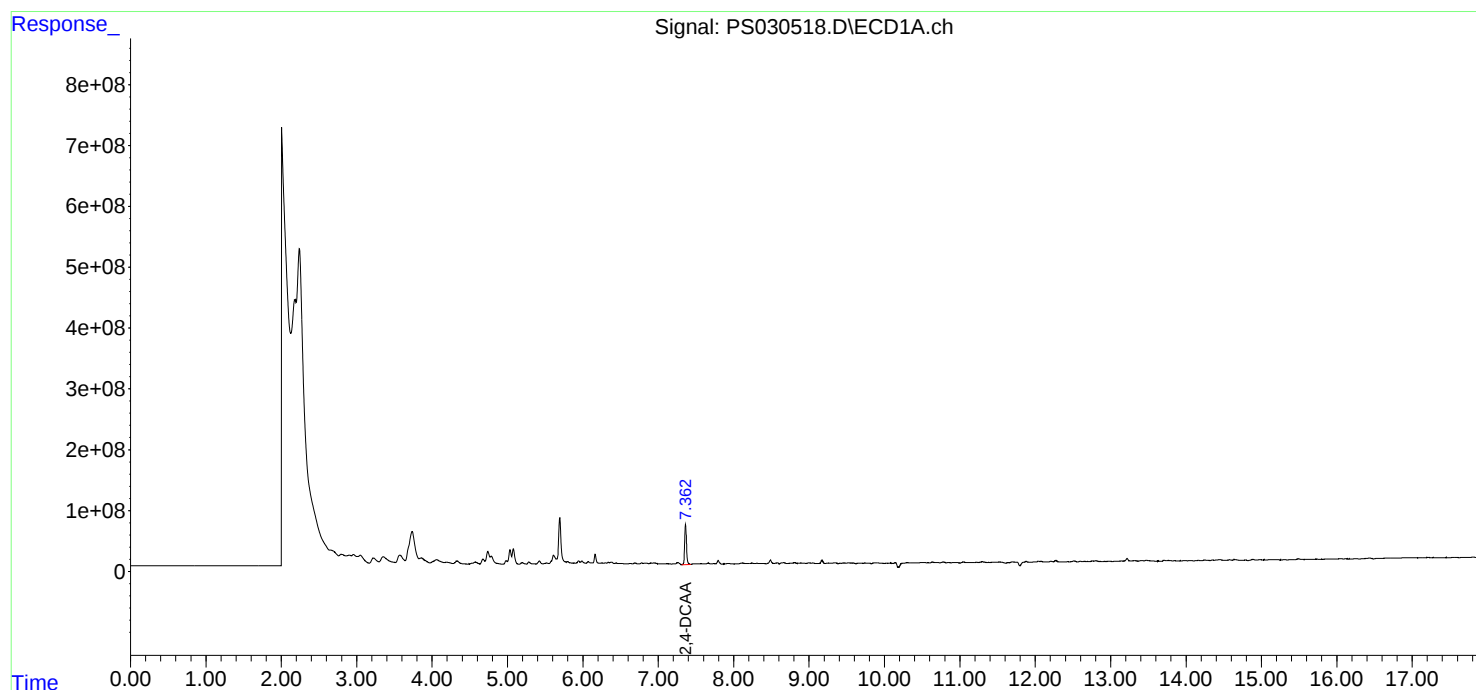
Instrument :
ECD_S
ClientSampleId :
TP-56

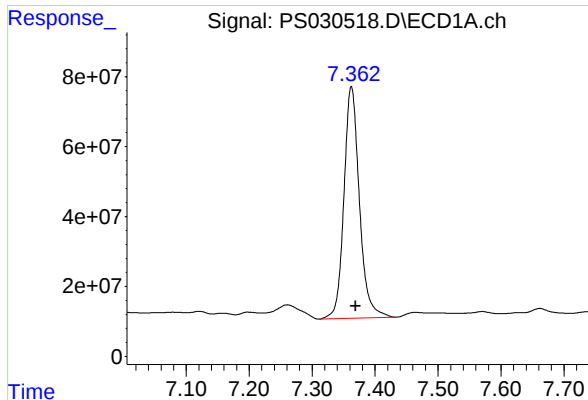
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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





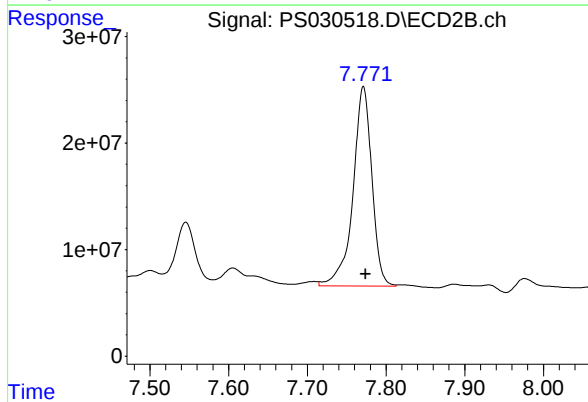
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 min
Response: 1131271327
Conc: 299.66 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-56

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.771 min
Delta R.T.: -0.004 min
Response: 311844347
Conc: 289.92 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.7
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
PS030519.D	1	06/03/25 09:00	06/05/25 06:05	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	78.1	ug/Kg
120-36-5	DICHLORPROP	14.9	U	14.9	78.1	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	78.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.1	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	78.1	ug/Kg
94-82-6	2,4-DB	28.2	U	28.2	78.1	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	340		10 - 141	68%	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\PS060425\
 Data File : PS030519.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 06:05
 Operator : AR\AJ
 Sample : Q2176-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-25

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 08:33:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	1196.3E6	365.3E6	316.895	339.593

Target Compounds

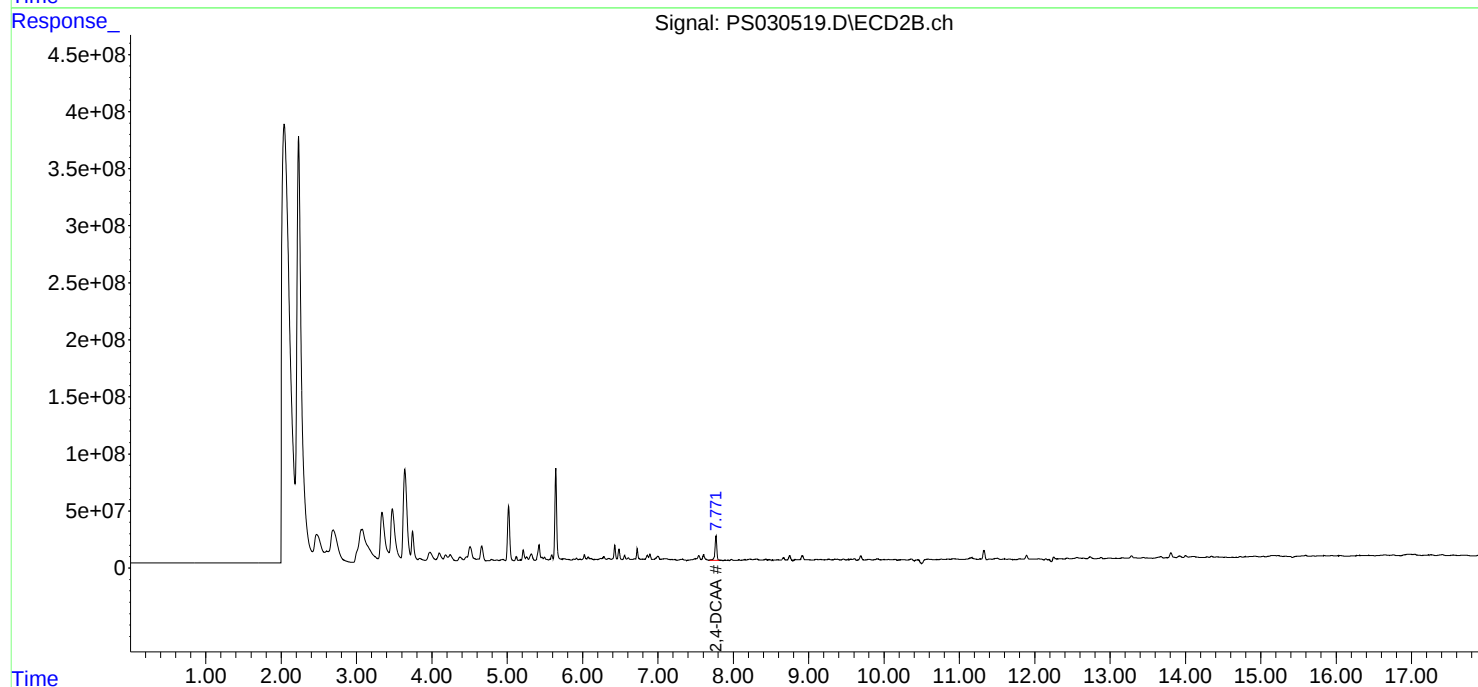
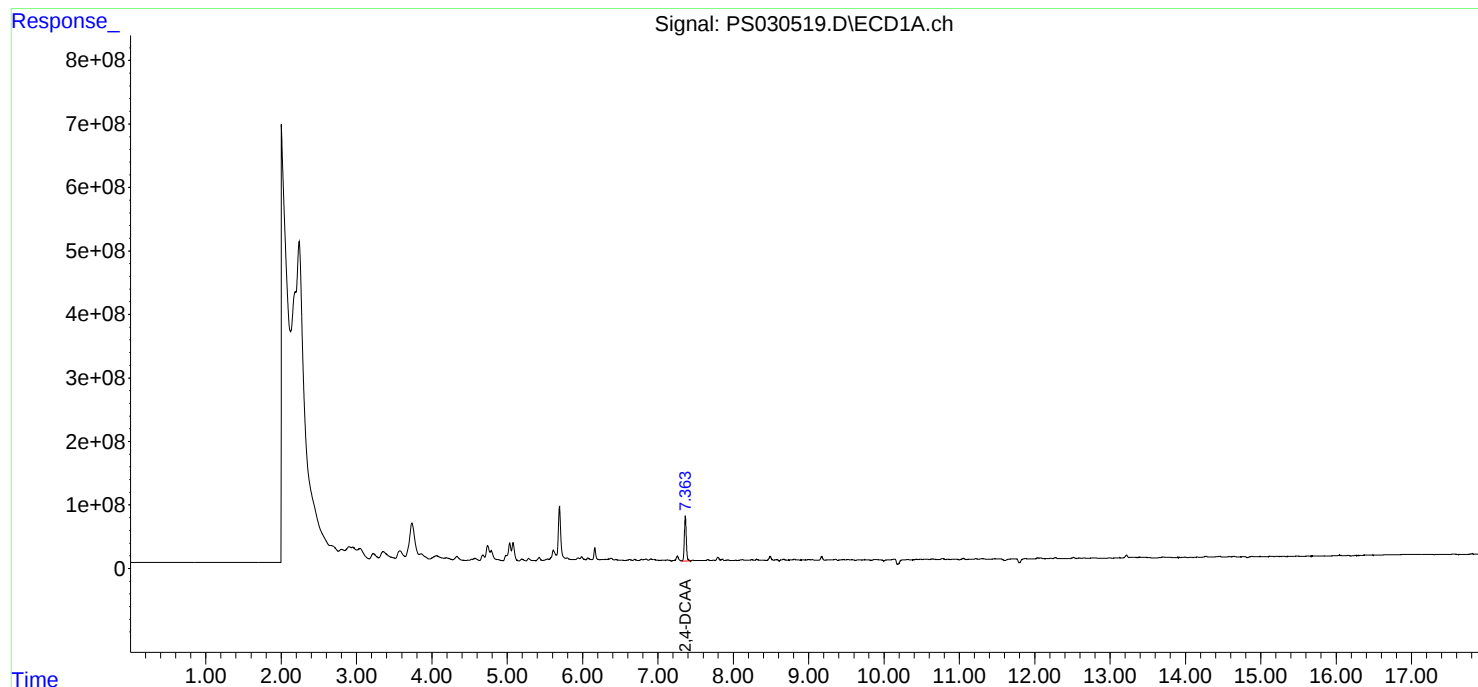
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

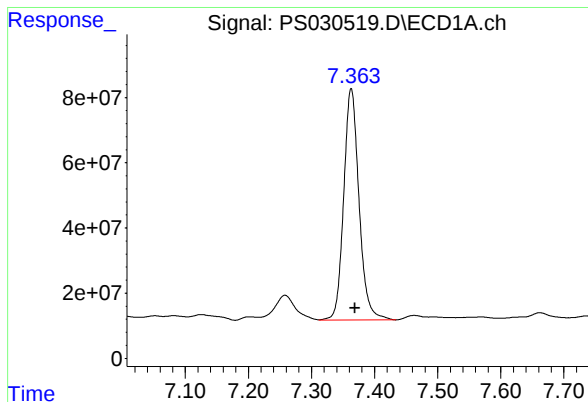
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030519.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:05
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-25

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:33:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.363 min

Delta R.T.: -0.006 min

Response: 1196323071

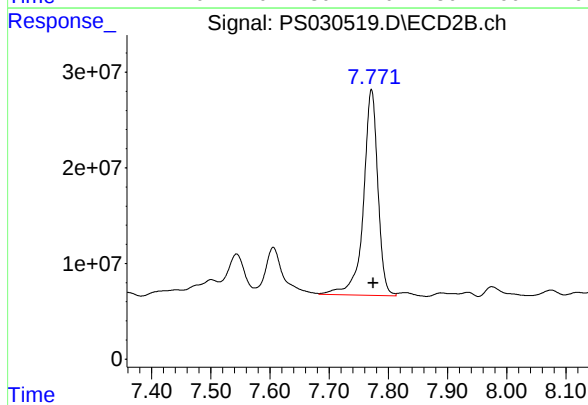
Conc: 316.89 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-25



#4 2,4-DCAA

R.T.: 7.772 min

Delta R.T.: -0.003 min

Response: 365269377

Conc: 339.59 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.2
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
PS030530.D	1	06/03/25 09:00	06/05/25 13:03	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.6	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.6	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.6	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.6	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.6	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	71.8		10 - 141	14%	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\PS060525\
Data File : PS030530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 13:03
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.767	268.0E6	77274836	70.995	71.843

Target Compounds

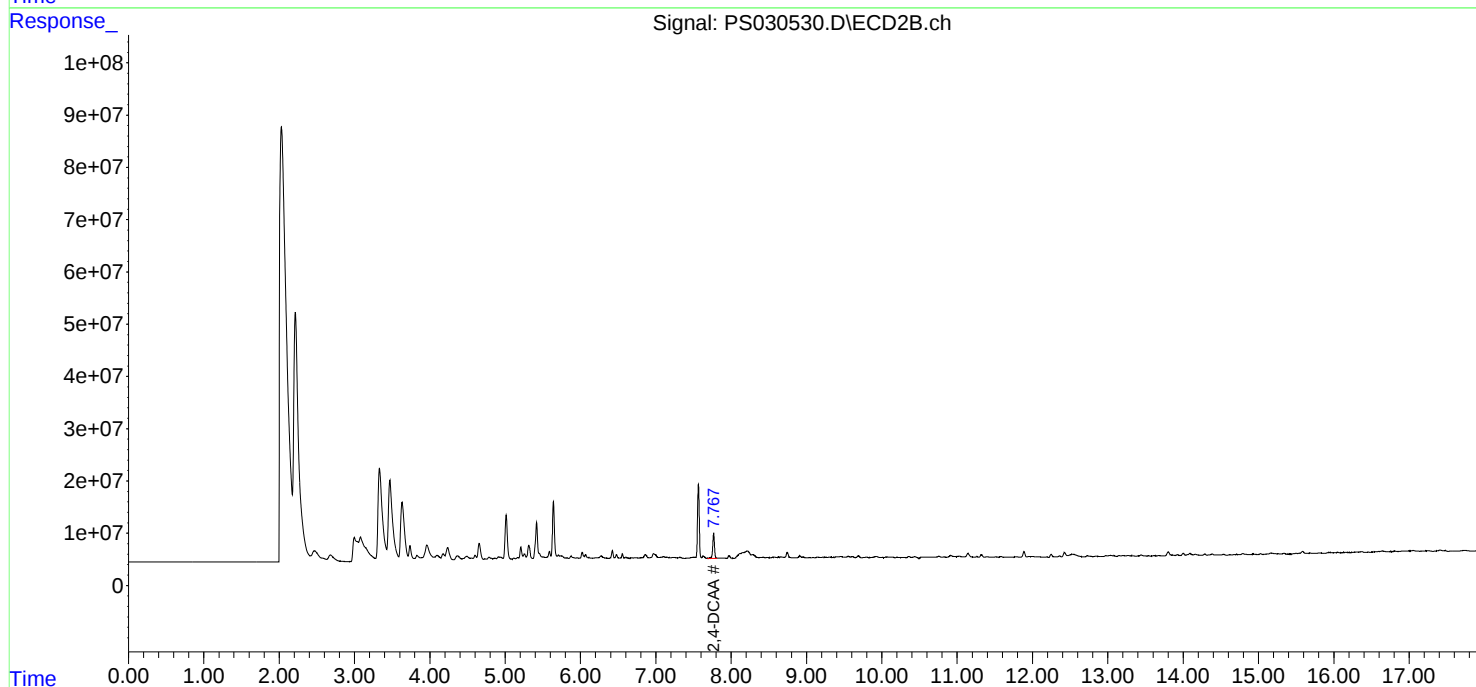
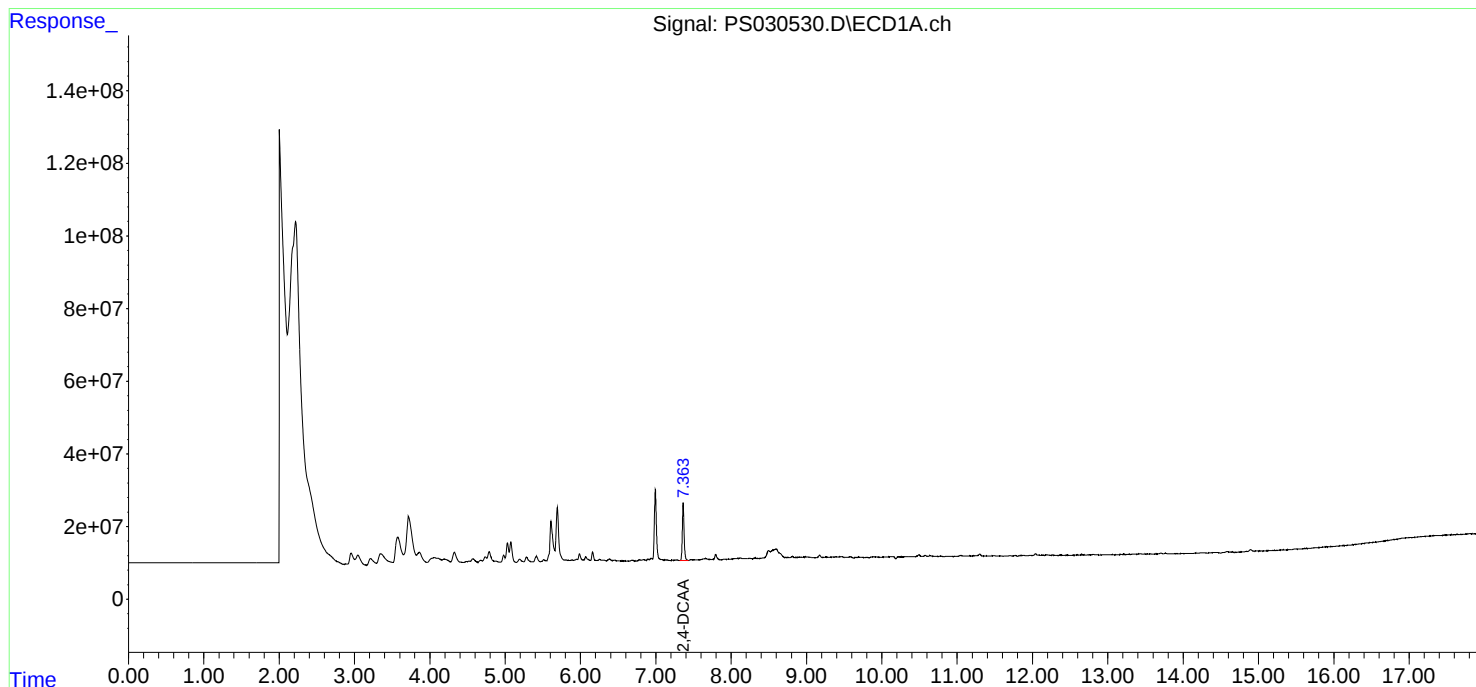
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

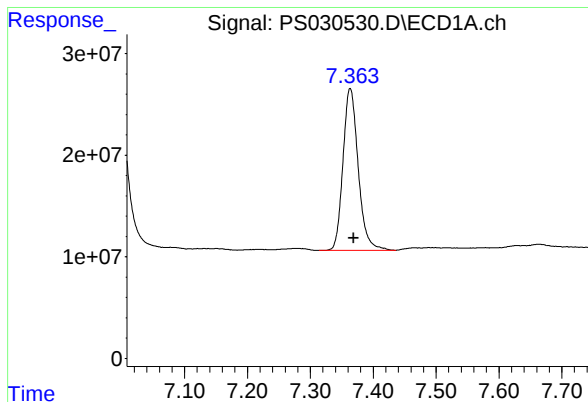
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030530.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 13:03
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-26

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.364 min

Delta R.T.: -0.006 min

Response: 268017107

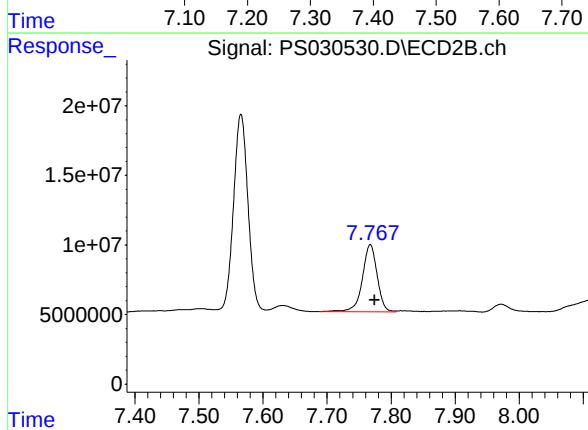
Conc: 71.00 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-26



#4 2,4-DCAA

R.T.: 7.767 min

Delta R.T.: -0.007 min

Response: 77274836

Conc: 71.84 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	90.5
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
PS030521.D	1	06/03/25 09:00	06/05/25 06:53	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.50	U	8.50	73.8	ug/Kg
120-36-5	DICHLORPROP	14.1	U	14.1	73.8	ug/Kg
94-75-7	2,4-D	10.0	U	10.0	73.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.0	U	10.0	73.8	ug/Kg
93-76-5	2,4,5-T	9.60	U	9.60	73.8	ug/Kg
94-82-6	2,4-DB	26.7	U	26.7	73.8	ug/Kg
88-85-7	DINOSEB	11.9	U	11.9	73.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	346		10 - 141	69%	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\PS060425\
 Data File : PS030521.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 06:53
 Operator : AR\AJ
 Sample : Q2176-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-28

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 08:34:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.771	1307.9E6	328.9E6	346.445	305.736
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Target Compounds

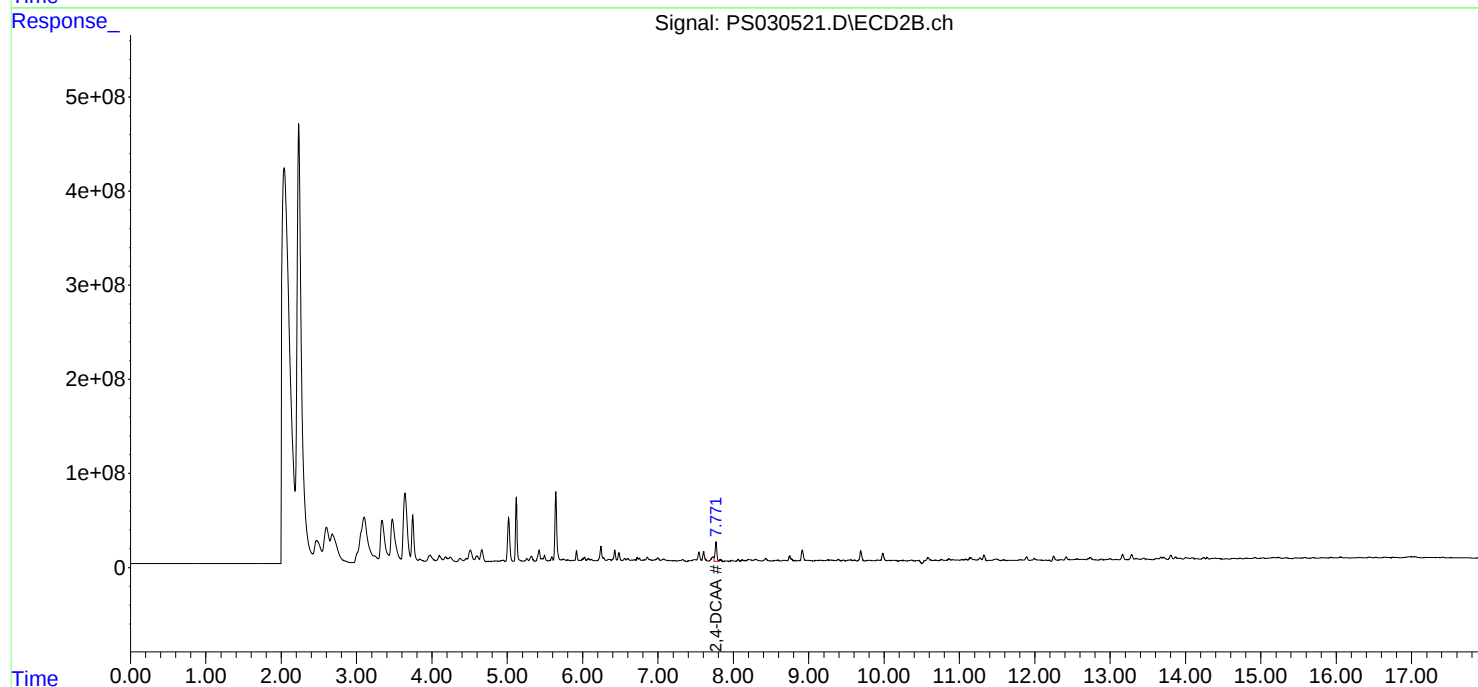
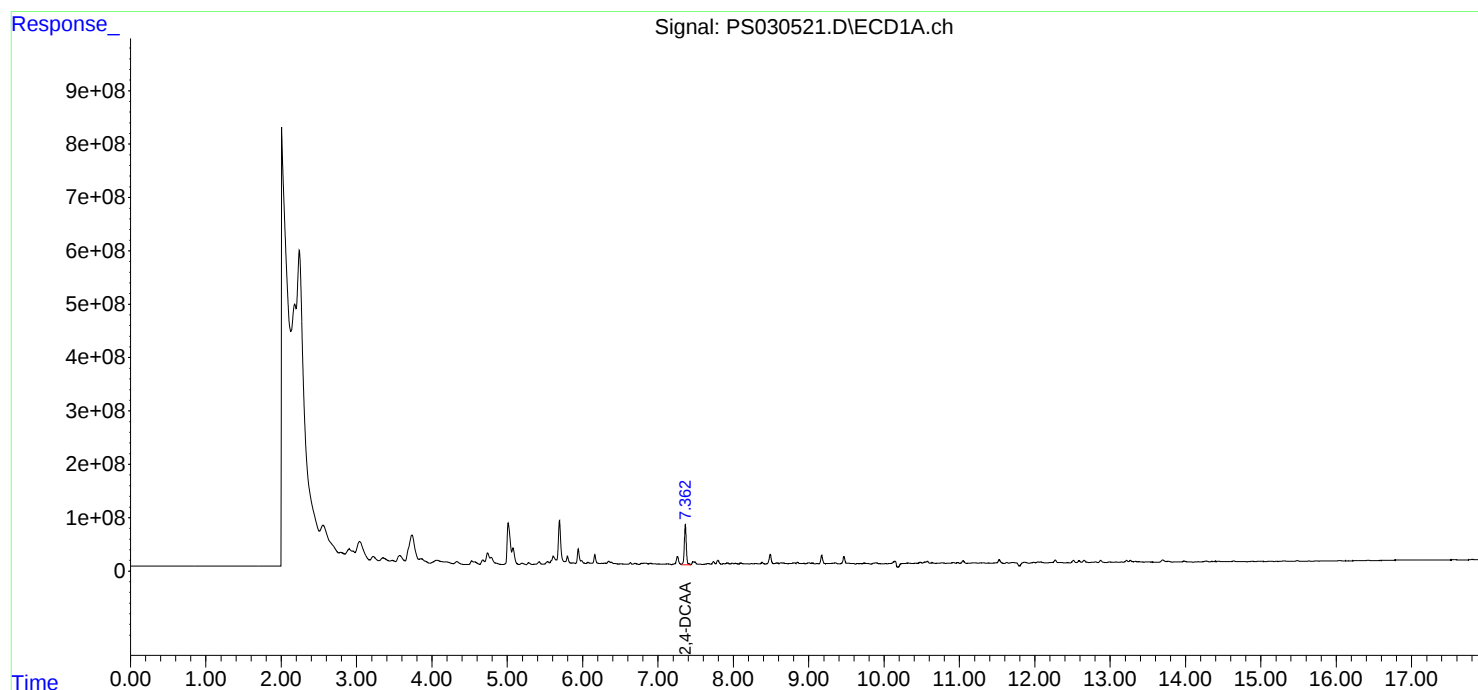
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

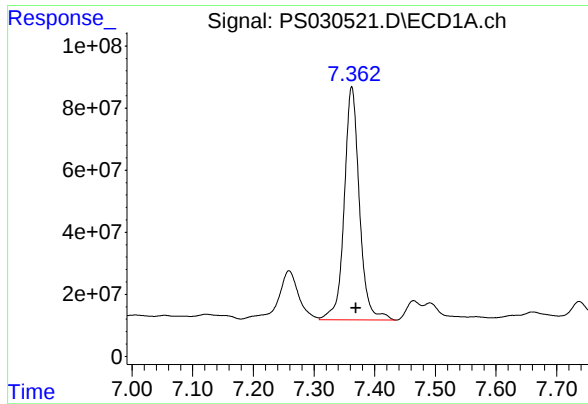
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030521.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 06:53
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-28

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.362 min

Delta R.T.: -0.007 min

Response: 1307879600

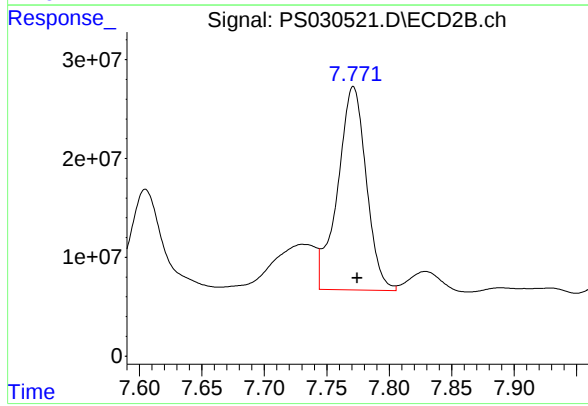
Conc: 346.44 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-28



#4 2,4-DCAA

R.T.: 7.771 min

Delta R.T.: -0.003 min

Response: 328852332

Conc: 305.74 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.1
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030522.D	1	06/03/25 09:00	06/05/25 07:17	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	80.6	ug/Kg
120-36-5	DICHLORPROP	15.4	U	15.4	80.6	ug/Kg
94-75-7	2,4-D	10.9	U	10.9	80.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.9	U	10.9	80.6	ug/Kg
93-76-5	2,4,5-T	10.5	U	10.5	80.6	ug/Kg
94-82-6	2,4-DB	29.1	U	29.1	80.6	ug/Kg
88-85-7	DINOSEB	13.0	U	13.0	80.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	254		10 - 141	51%	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\PS060425\
 Data File : PS030522.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 07:17
 Operator : AR\AJ
 Sample : Q2176-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-27

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 08:34:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.770	931.5E6	273.0E6	246.748	253.850m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030522.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:17
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

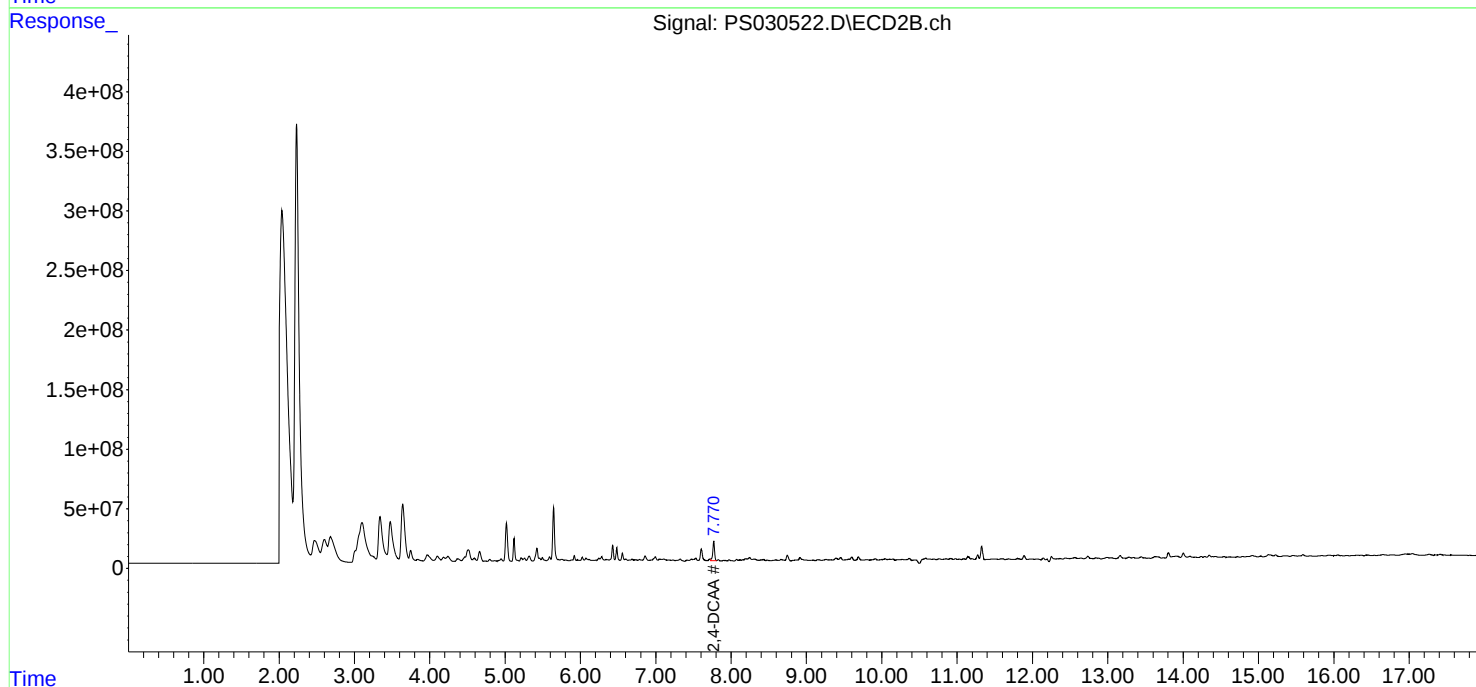
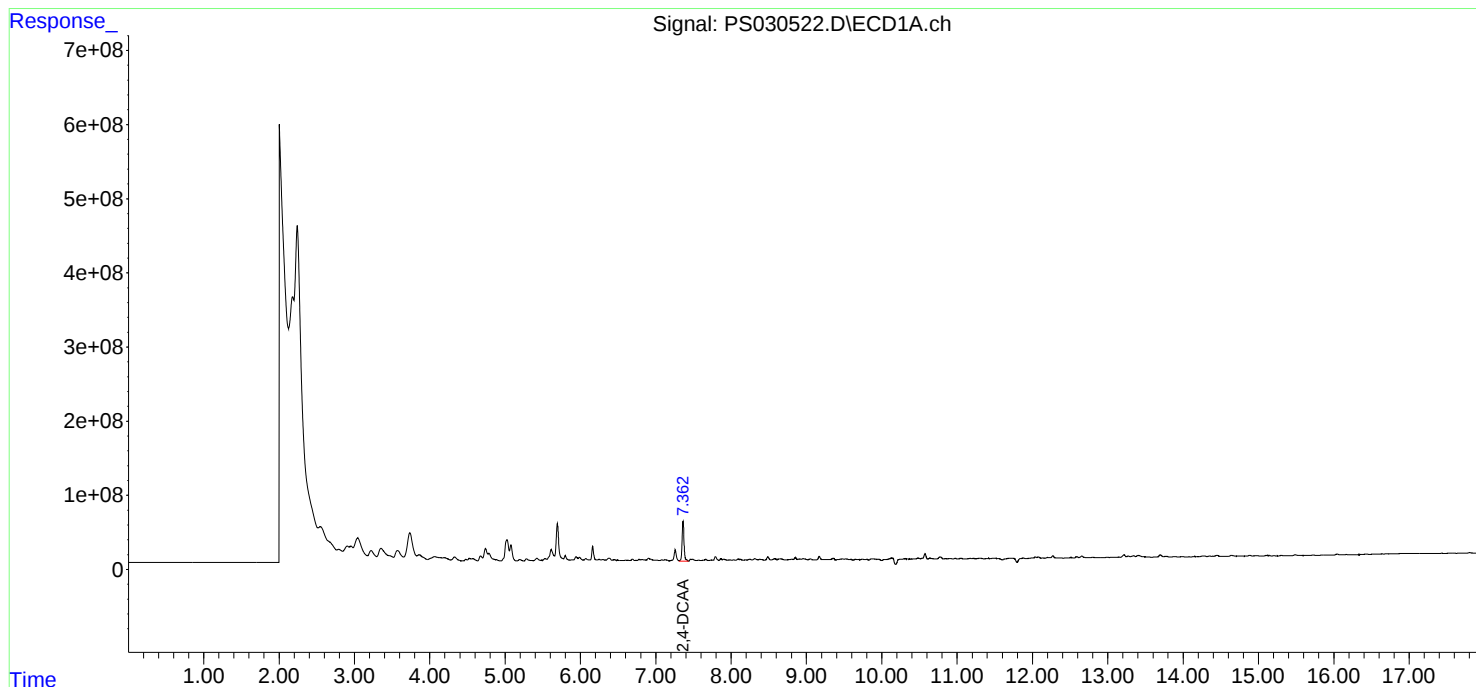
Instrument :
ECD_S
ClientSampleId :
TP-27

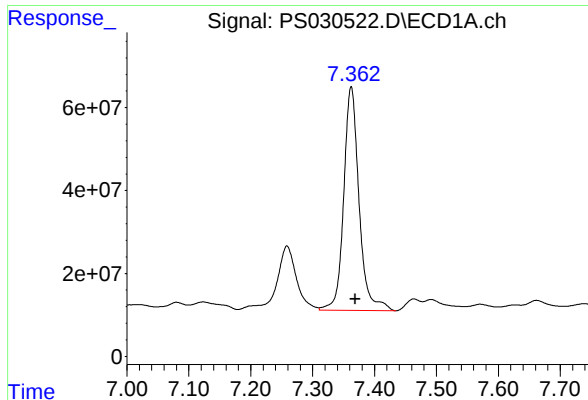
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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





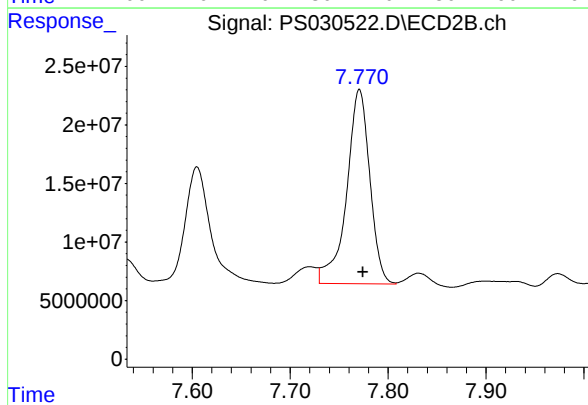
#4 2,4-DCAA

R.T.: 7.362 min
Delta R.T.: -0.007 min
Response: 931509611
Conc: 246.75 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-27

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.770 min
Delta R.T.: -0.004 min
Response: 273043980
Conc: 253.85 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.8
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
PS030523.D	1	06/03/25 09:00	06/05/25 07:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	77.1	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	77.1	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	77.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	77.1	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	77.1	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	77.1	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	77.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	346		10 - 141	69%	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\PS060425\
 Data File : PS030523.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 07:41
 Operator : AR\AJ
 Sample : Q2176-07
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-31

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 08:34:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.363	7.770	1258.4E6	371.7E6	333.337	345.586m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030523.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 07:41
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 35 Sample Multiplier: 1

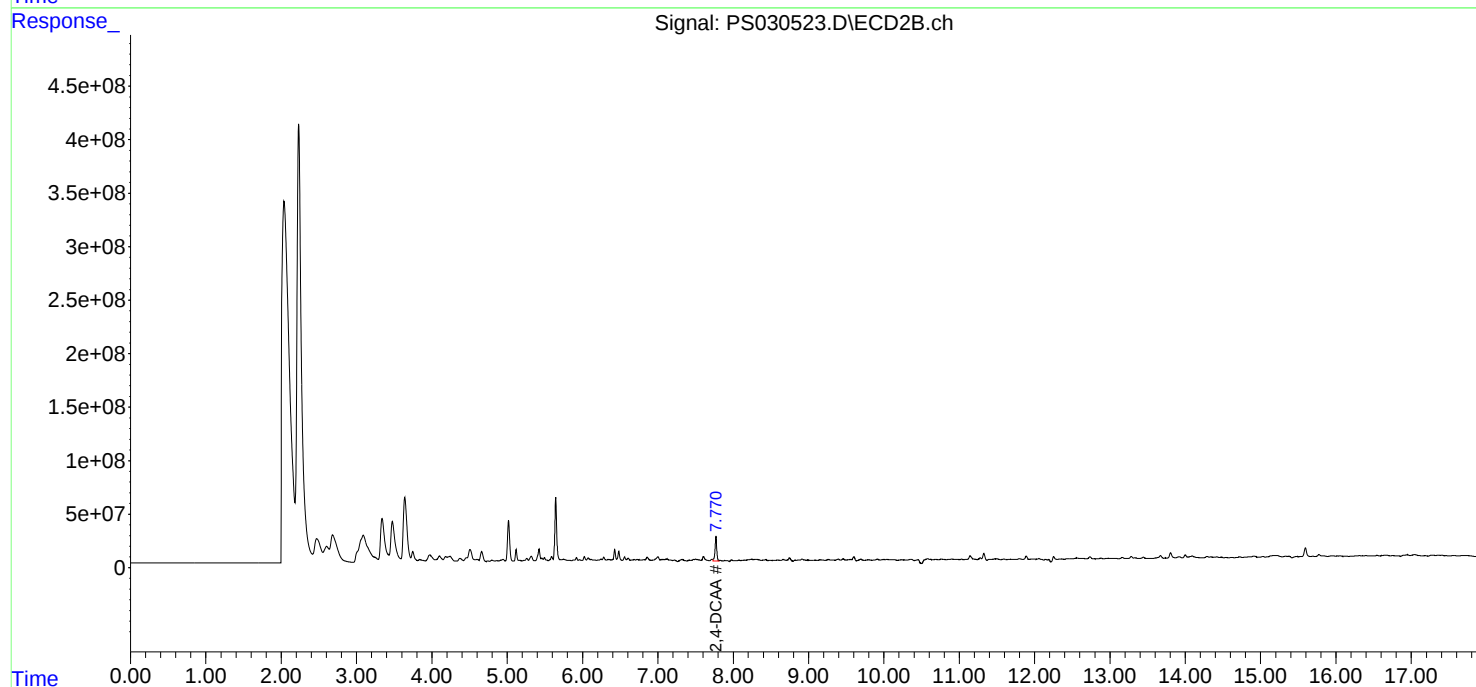
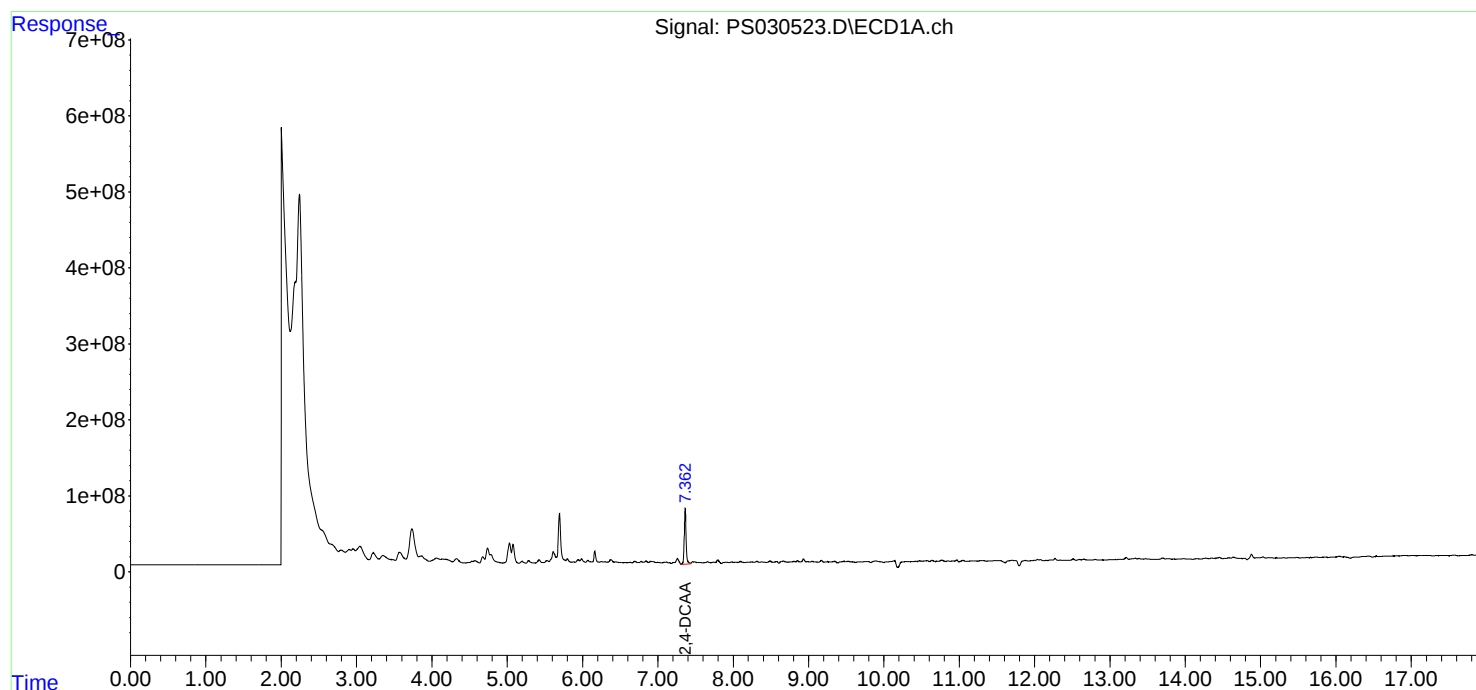
Instrument :
ECD_S
ClientSampleId :
TP-31

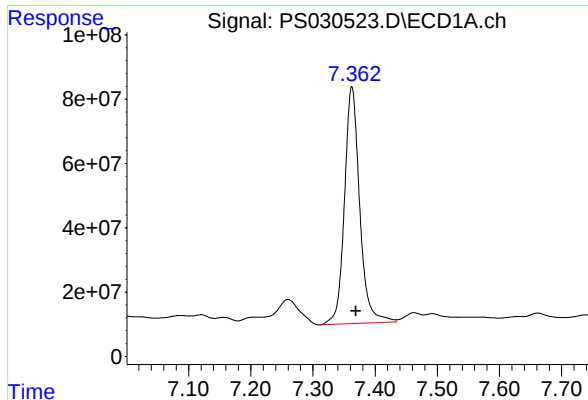
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 08:34:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.363 min

Delta R.T.: -0.006 min

Response: 1258394171

Conc: 333.34 ng/ml

Instrument :

ECD_S

ClientSampleId :

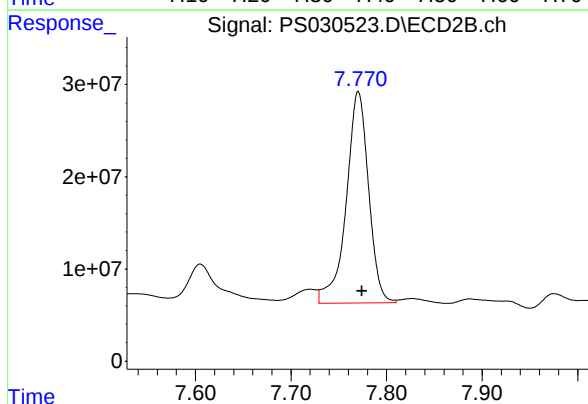
TP-31

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: -0.004 min

Response: 371715481

Conc: 345.59 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.3
Sample Wt/Vol:	30.07	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
PS030524.D	1	06/03/25 09:00	06/05/25 08:05	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.6	ug/Kg
120-36-5	DICHLORPROP	14.6	U	14.6	76.6	ug/Kg
94-75-7	2,4-D	10.3	U	10.3	76.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.6	ug/Kg
93-76-5	2,4,5-T	9.90	U	9.90	76.6	ug/Kg
94-82-6	2,4-DB	27.7	U	27.7	76.6	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	360		10 - 141	72%	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\PS060425\
 Data File : PS030524.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 08:05
 Operator : AR\AJ
 Sample : Q2176-08
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-65

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 09:00:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.363	7.770	1193.2E6	387.0E6	316.069	359.840
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Target Compounds

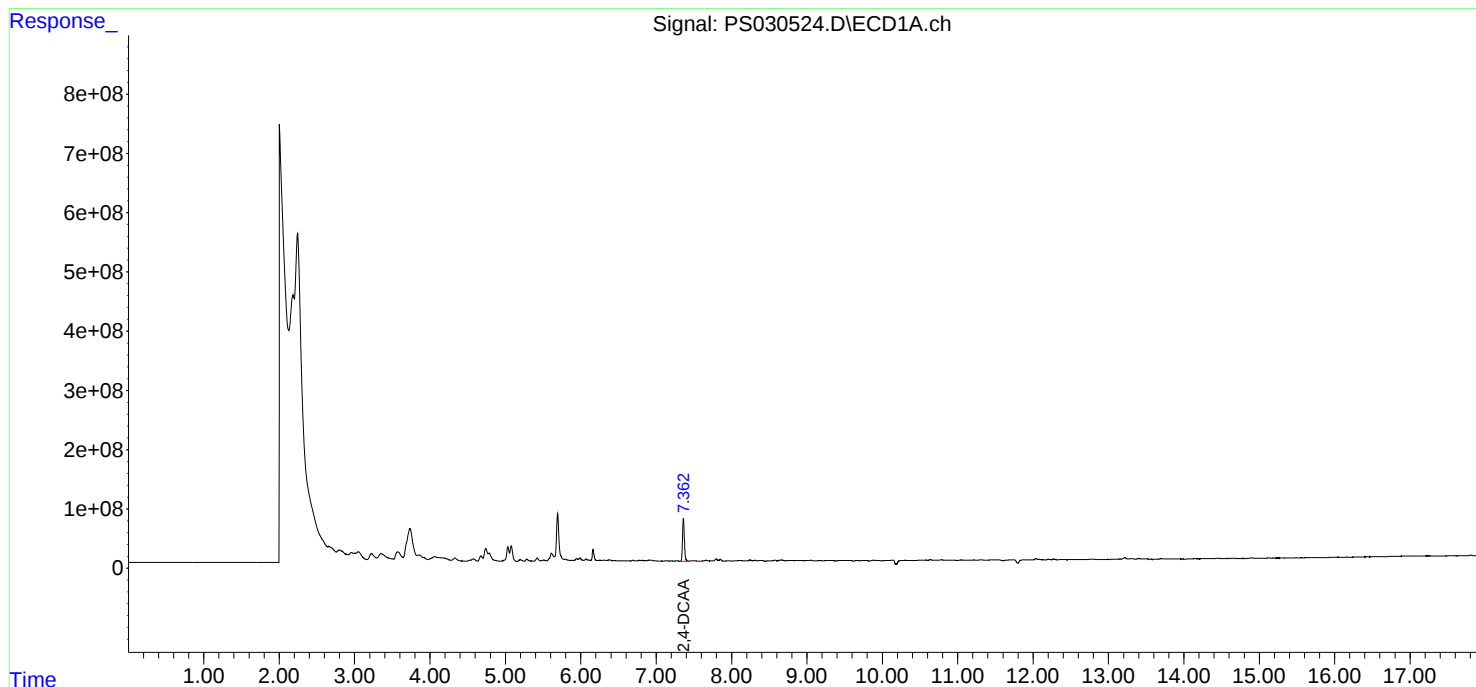
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

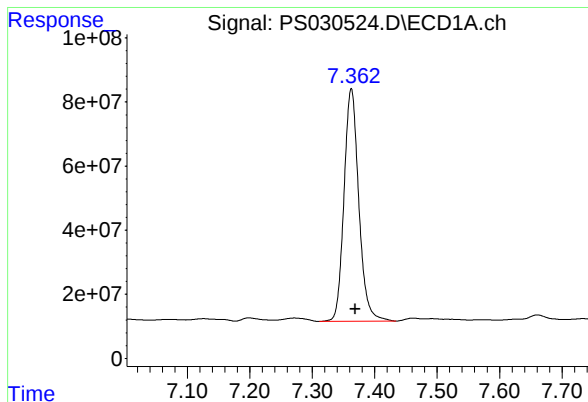
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030524.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 08:05
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 09:00:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.363 min

Delta R.T.: -0.006 min

Response: 1193205474

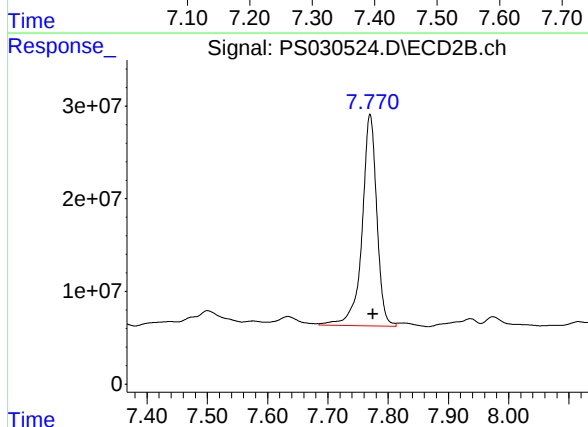
Conc: 316.07 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-65



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: -0.004 min

Response: 387047476

Conc: 359.84 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176
Instrument ID: ECD_S **Calibration Date(s):** 06/04/2025 06/04/2025
Calibration Times: 11:19 12:55

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

LAB FILE ID:		CF 200 = <u>PS030476.D</u>		CF 500 = <u>PS030477.D</u>			
CF 750 = <u>PS030478.D</u>		CF 1000 = <u>PS030479.D</u>		CF 1500 = <u>PS030480.D</u>			
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	20110200000	18445100000	18262000000	18165800000	17172200000	18431100000	6
2,4,5-TP(Silvex)	23444500000	20930200000	20252400000	19918900000	18779400000	20665100000	8
2,4-D	4208920000	3650560000	3531620000	3494410000	3332550000	3643610000	9
2,4-DB	3187030000	2969900000	2987600000	3055150000	2982130000	3036360000	3
2,4-DCAA	4505990000	3745160000	3587820000	3627070000	3409690000	3775150000	11
DICAMBA	17545300000	15532100000	14992100000	14866500000	14176500000	15422500000	8
DICHLORPROP	4363010000	3637540000	3480040000	3430450000	3279680000	3638150000	12
Dinoseb	16280300000	14486300000	14010300000	13907800000	13190000000	14374900000	8



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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Instrument ID: ECD_S

Calibration Date(s): 06/04/2025 06/04/2025

Calibration Times: 11:19 12:55

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

LAB FILE ID:		CF 200 =	<u>PS030476.D</u>	CF 500 =	<u>PS030477.D</u>		
CF 750 =		<u>PS030478.D</u>	CF 1000 =	<u>PS030479.D</u>	CF 1500 =	<u>PS030480.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	14777200000	13128600000	12724600000	12611900000	12043300000	13057100000	8
2,4,5-TP(Silvex)	15627400000	13837500000	13337200000	13203400000	12578300000	13716700000	8
2,4-D	1858730000	1575260000	1504430000	1488570000	1434610000	1572320000	11
2,4-DB	1329650000	1149370000	1105700000	1098150000	1064880000	1149550000	9
2,4-DCAA	1341960000	1066160000	1011260000	997042000	961634000	1075610000	14
DICAMBA	7190560000	6384370000	6250780000	6263160000	6119370000	6441650000	7
DICHLORPROP	1789880000	1480180000	1413150000	1395780000	1342020000	1484200000	12
Dinoseb	11251500000	10033800000	9761280000	9784360000	9419650000	10050100000	7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030476.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:19
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:16:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.369	7.773	901.2E6	268.4E6	233.974m	243.085
Target Compounds							
1) T	Dalapon	2.715	2.710	1207.7E6	582.1E6	209.575	208.784
2) T	3,5-DICHL...	6.525	6.716	1200.9E6	343.3E6	215.635	214.990
3) T	4-Nitroph...	7.168	7.303	384.4E6	320.3E6	205.814	202.067
5) T	DICAMBA	7.561	7.978	3298.5E6	1351.8E6	209.643	207.265
6) T	MCP	7.741	8.073	169.2E6	43441130	17.402	18.810
7) T	MCPA	7.891	8.321	242.4E6	61640116	19.153	20.256m
8) T	DICHLORPROP	8.279	8.698	820.2E6	336.5E6	220.037	221.417
9) T	2,4-D	8.511	9.034	791.3E6	349.4E6	212.630	217.483
10) T	Pentachlo...	8.820	9.560	11762.3E6	7856.5E6	216.630	210.064
11) T	2,4,5-TP ...	9.404	9.941	4454.5E6	2969.2E6	210.747	212.066
12) T	2,4,5-T	9.698	10.368	3820.9E6	2807.7E6	203.830	210.935
13) T	2,4-DB	10.279	10.936	605.5E6	252.6E6	198.542	215.793
14) T	DINOSEB	11.502	11.322	3060.7E6	2115.3E6	208.620	207.224
15) T	Picloram	11.306	12.430	3963.9E6	4392.5E6	197.107	197.224
16) T	DCPA	11.798	12.366	5846.4E6	4416.8E6	215.285	211.221

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030476.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:19
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

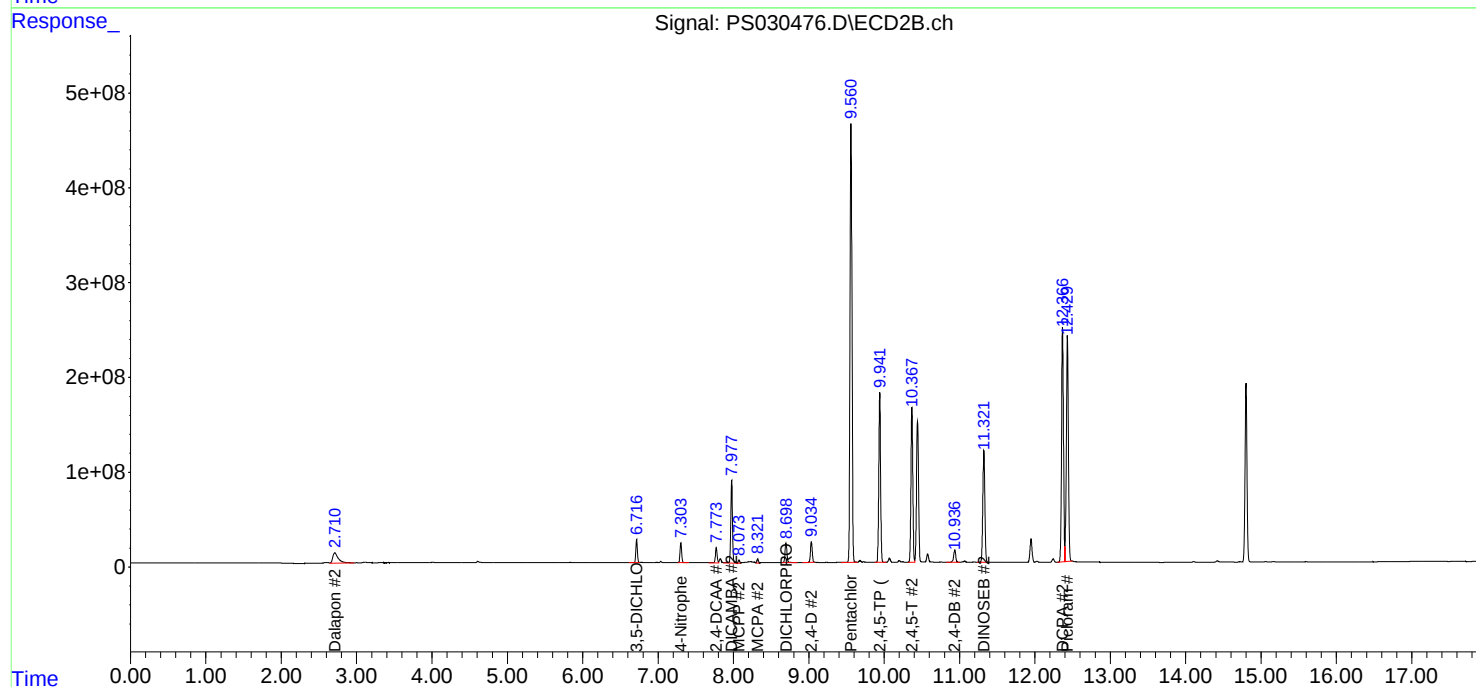
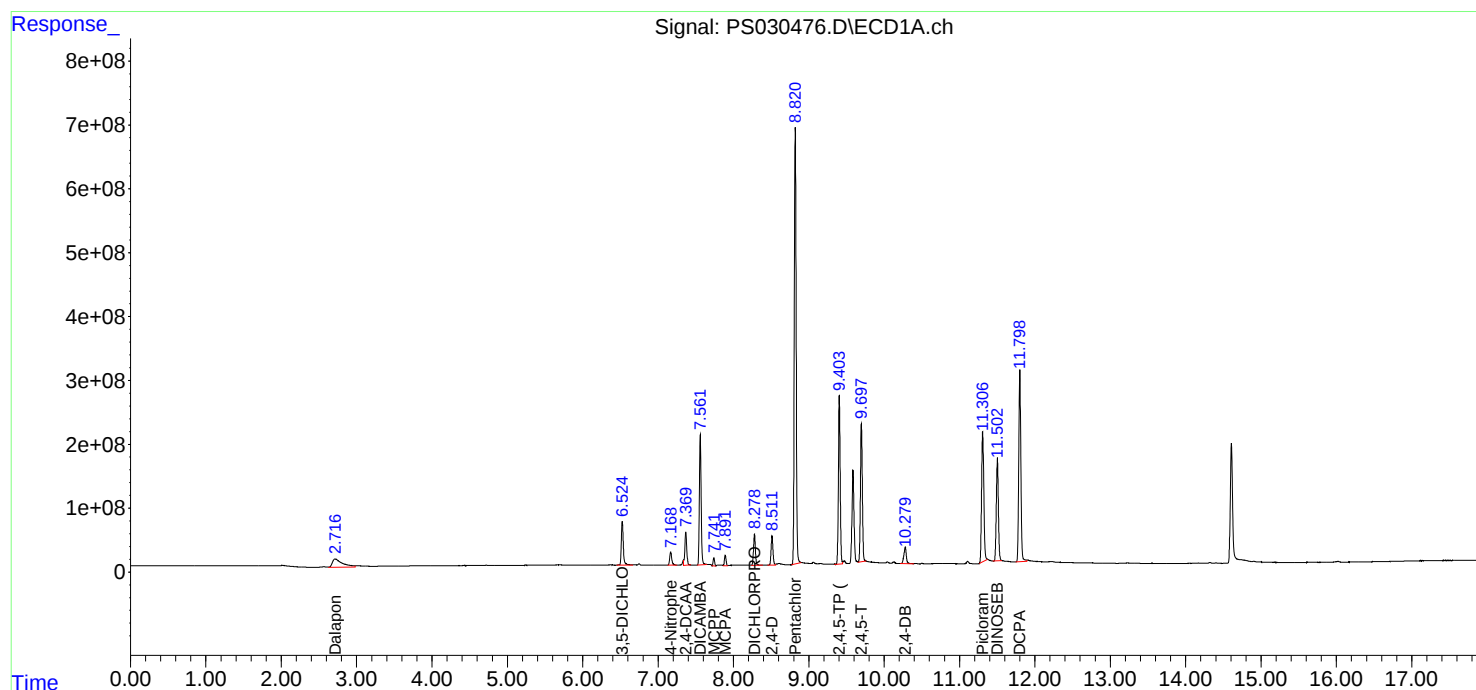
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:16:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030477.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:43
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:14:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.368	7.773	1872.6E6	533.1E6	511.607m	520.170
Target Compounds							
1) T	Dalapon	2.717	2.710	2560.4E6	1234.9E6	467.947	465.766
2) T	3,5-DICHL...	6.524	6.716	2562.3E6	728.7E6	485.913	481.317
3) T	4-Nitroph...	7.167	7.303	829.3E6	702.4E6	464.307	460.071
5) T	DICAMBA	7.561	7.977	7300.1E6	3000.7E6	482.484	476.337
6) T	MCPD	7.743	8.075	450.4E6	107.6E6	45.195	46.603
7) T	MCPA	7.893	8.324	573.4E6	134.2E6	45.768	45.169
8) T	DICHLORPROP	8.278	8.698	1709.6E6	695.7E6	486.246	486.593
9) T	2,4-D	8.511	9.034	1715.8E6	740.4E6	482.111	486.207
10) T	Pentachlo...	8.820	9.560	26104.6E6	17662.2E6	504.340	489.472
11) T	2,4,5-TP ...	9.403	9.942	9941.8E6	6572.8E6	488.131	488.344
12) T	2,4,5-T	9.698	10.368	8761.4E6	6236.1E6	479.003	486.370
13) T	2,4-DB	10.278	10.935	1410.7E6	546.0E6	469.574	488.442
14) T	DINOSEB	11.502	11.321	6808.6E6	4715.9E6	481.689	478.292
15) T	Picloram	11.307	12.429	9323.8E6	10433.3E6	469.492	474.467
16) T	DCPA	11.797	12.366	12966.1E6	9972.2E6	497.571	493.358

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030477.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 11:43
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

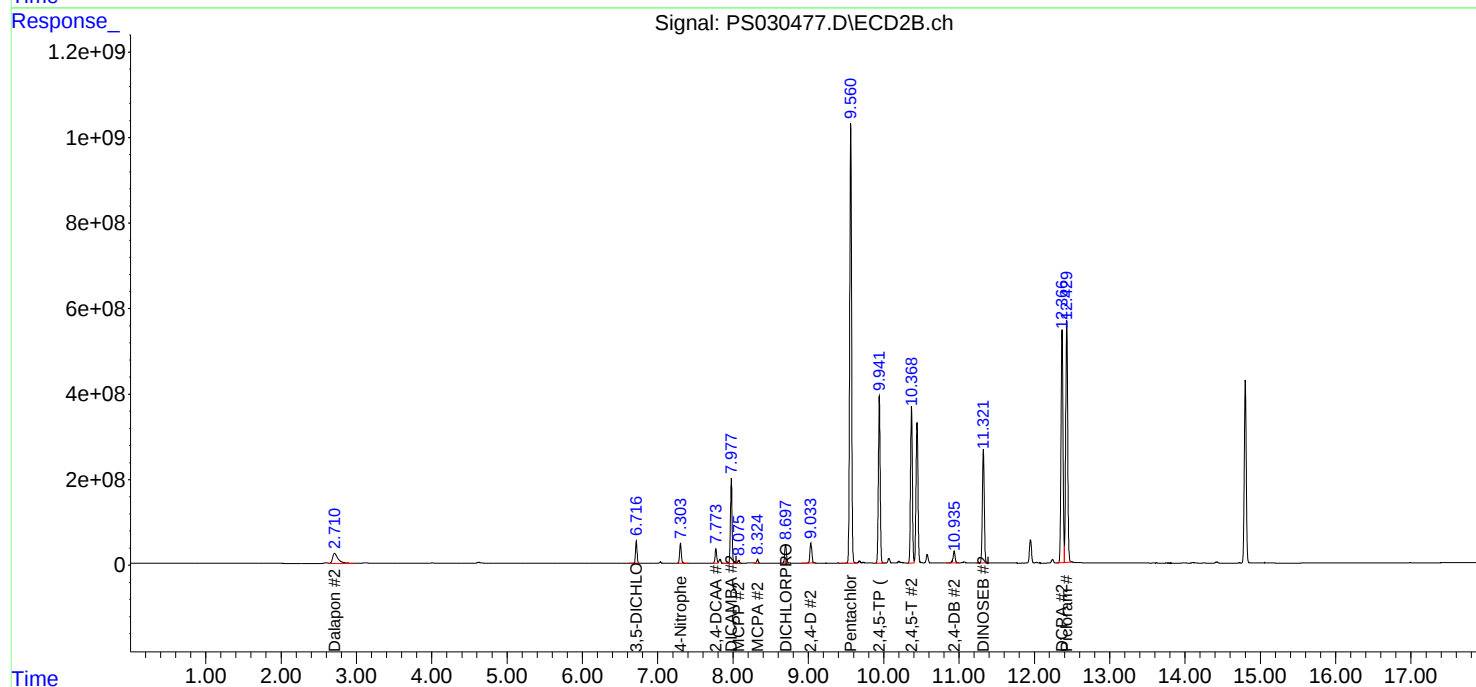
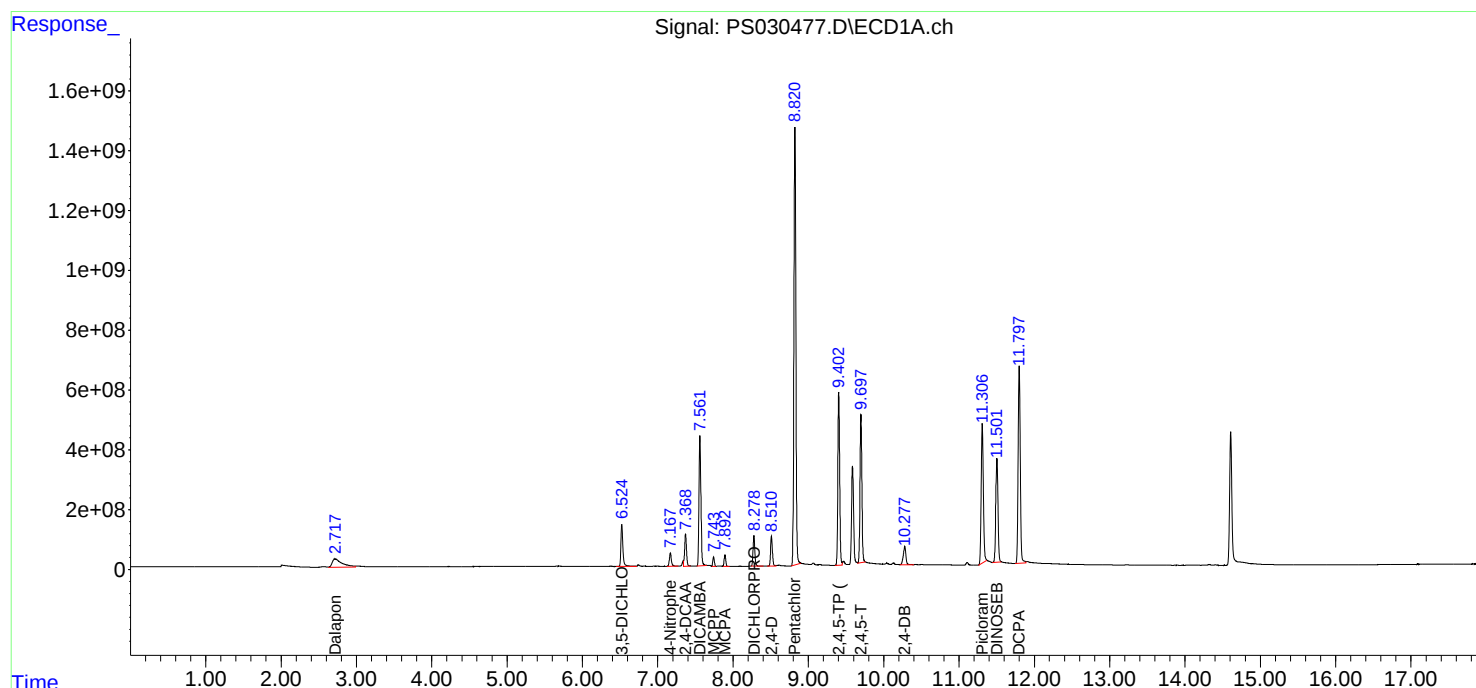
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:14:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030478.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:07
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:09:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.369	7.774	2690.9E6	758.4E6	744.320m	750.000
Target Compounds							
1) T	Dalapon	2.716	2.710	3691.7E6	1793.7E6	682.500	682.500
2) T	3,5-DICHL...	6.524	6.717	3626.9E6	1043.0E6	697.500	697.500
3) T	4-Nitroph...	7.167	7.303	1207.0E6	1031.0E6	682.500	682.500
5) T	DICAMBA	7.561	7.977	10569.4E6	4406.8E6	705.000	705.000
6) T	MCP	7.744	8.077	702.1E6	161.8E6	70.500	70.500
7) T	MCPA	7.895	8.327	870.8E6	206.1E6	69.750	69.750
8) T	DICHLORPROP	8.279	8.698	2453.4E6	996.3E6	705.000	705.000
9) T	2,4-D	8.512	9.034	2489.8E6	1060.6E6	705.000	705.000
10) T	Pentachlo...	8.820	9.561	37628.4E6	25518.7E6	712.500	712.500
11) T	2,4,5-TP ...	9.404	9.942	14429.9E6	9502.8E6	712.500	712.500
12) T	2,4,5-T	9.697	10.368	13011.7E6	9066.3E6	712.500	712.500
13) T	2,4-DB	10.279	10.936	2128.7E6	787.8E6	712.500	712.500
14) T	DINOSEB	11.502	11.321	9877.2E6	6881.7E6	705.000	705.000
15) T	Picloram	11.307	12.430	14134.3E6	15599.4E6	712.500	712.500
16) T	DCPA	11.797	12.366	18644.2E6	14436.2E6	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\PS060425\
Data File : PS030478.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:07
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

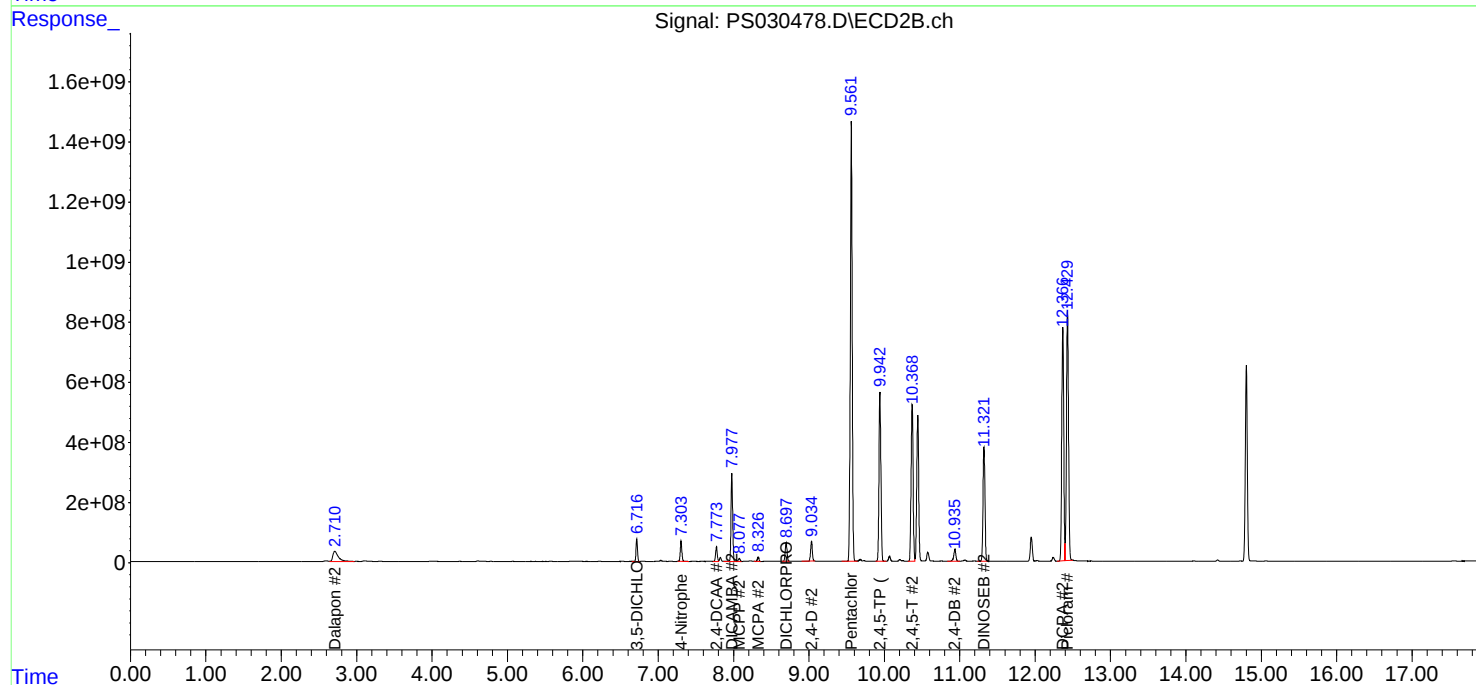
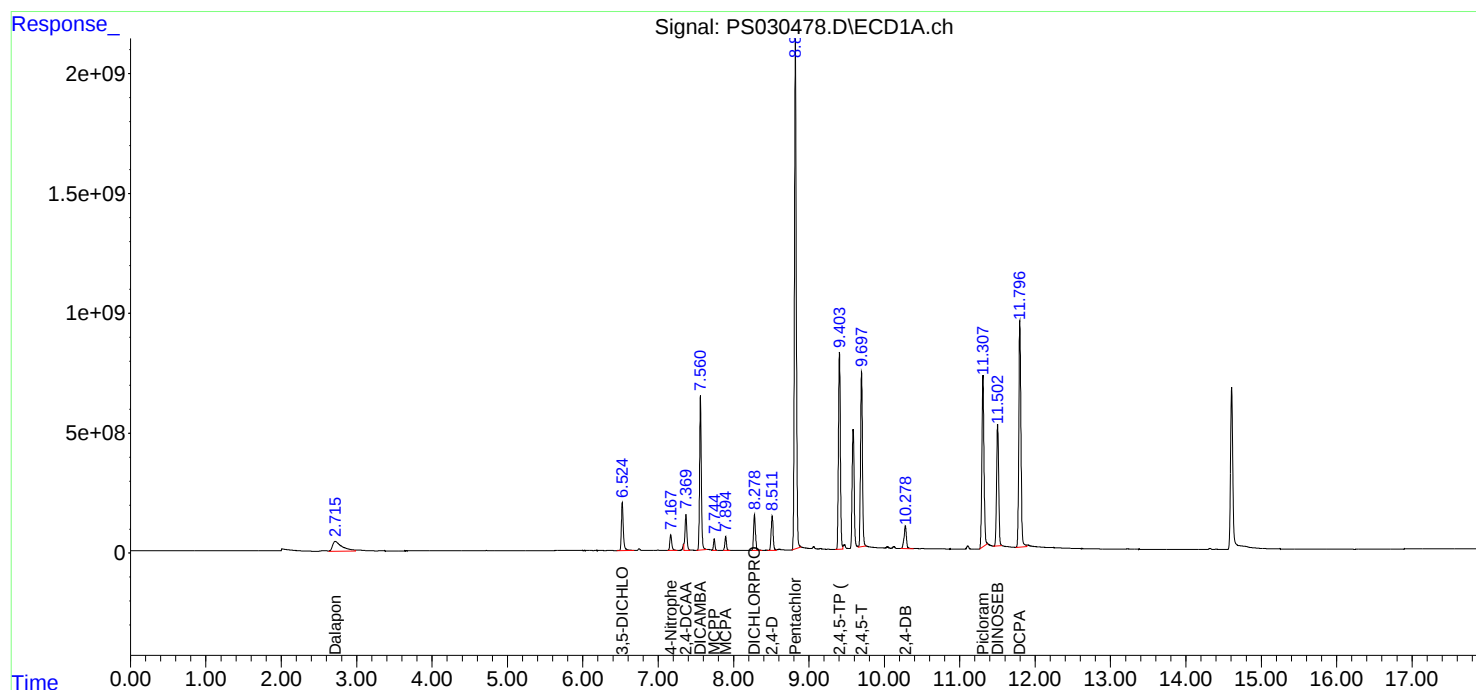
Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:09:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030479.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:31
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:12:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.369	7.774	3627.1E6	997.0E6	1015.527m	992.922
Target Compounds							
1) T	Dalapon	2.714	2.710	4894.2E6	2376.7E6	907.402	907.165
2) T	3,5-DICHL...	6.524	6.717	4751.8E6	1375.9E6	921.843	925.042
3) T	4-Nitroph...	7.168	7.304	1608.1E6	1388.5E6	909.639	914.550
5) T	DICAMBA	7.561	7.978	13974.6E6	5887.4E6	936.047	940.930
6) T	MCP	7.746	8.079	973.4E6	220.1E6	95.838	94.941
7) T	MCPA	7.897	8.330	1187.7E6	285.5E6	94.055	94.777
8) T	DICHLORPROP	8.279	8.699	3224.6E6	1312.0E6	933.254	934.189
9) T	2,4-D	8.511	9.035	3284.7E6	1399.3E6	935.022	935.019
10) T	Pentachlo...	8.825	9.561	45135.4E6	33490.4E6	899.805	942.480
11) T	2,4,5-TP ...	9.404	9.942	18922.9E6	12543.2E6	942.112	945.210
12) T	2,4,5-T	9.698	10.369	17257.5E6	11981.3E6	947.492	945.773
13) T	2,4-DB	10.278	10.936	2902.4E6	1043.2E6	960.620	946.745
14) T	DINOSEB	11.502	11.322	13073.3E6	9197.3E6	936.548	941.110
15) T	Picloram	11.306	12.430	19105.8E6	21004.4E6	956.510	954.663
16) T	DCPA	11.796	12.366	24258.1E6	19020.4E6	948.257	954.284

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:31
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1000

Manual Integrations

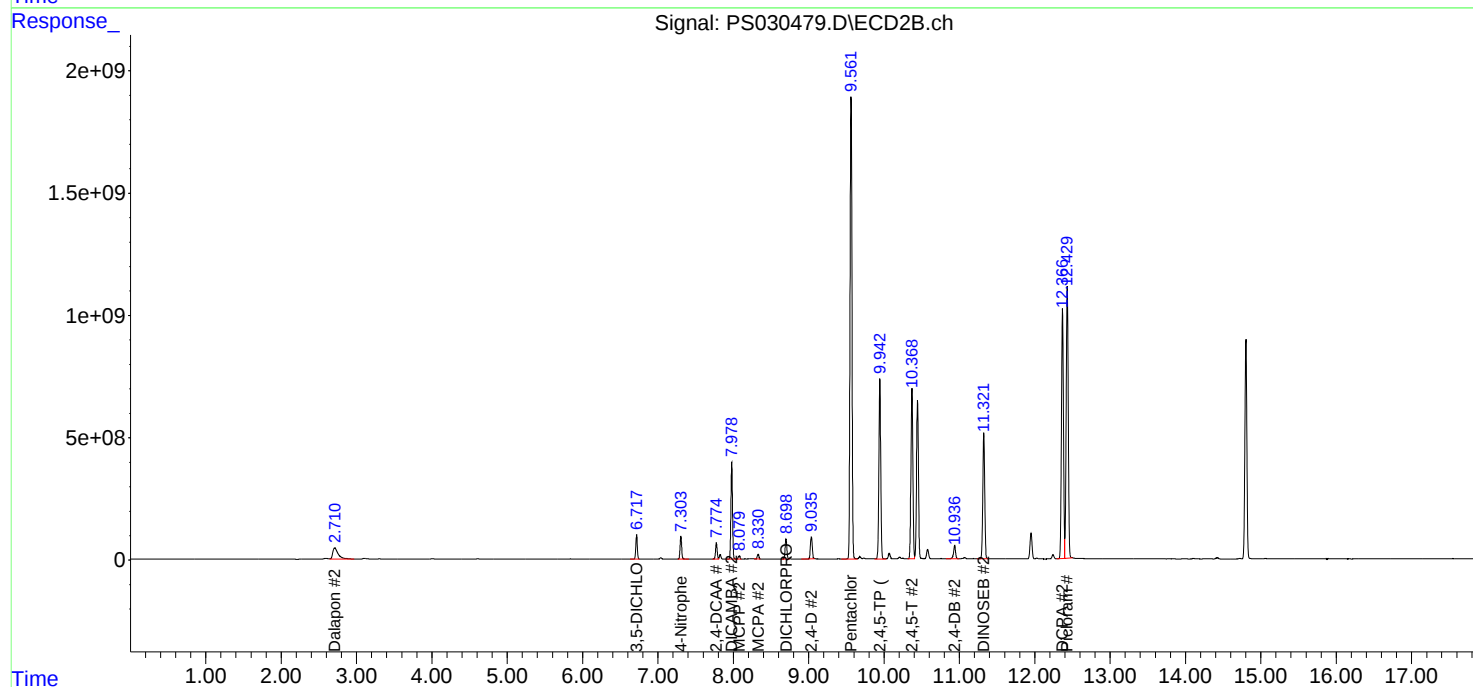
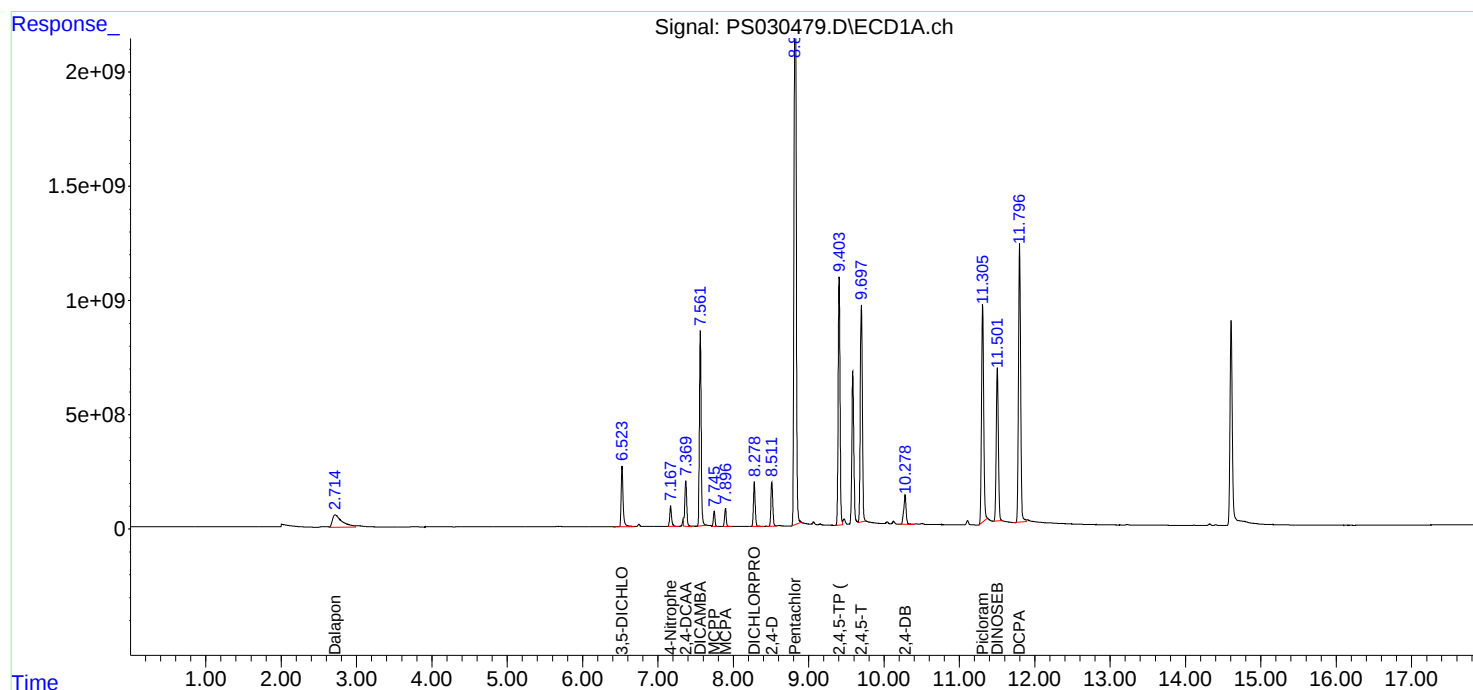
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:12:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030480.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 12:55
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 13:20:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:07:48 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.369	7.774	5114.5E6	1442.5E6	1359.285m	1341.054
Target Compounds						
1) T Dalapon	2.720	2.710	7077.3E6	3477.6E6	1253.287	1269.202
2) T 3,5-DICHL...	6.524	6.717	6773.8E6	1999.9E6	1248.313	1278.513
3) T 4-Nitroph...	7.167	7.304	2318.6E6	2042.6E6	1264.396	1303.306
5) T DICAMBA	7.561	7.978	19988.9E6	8628.3E6	1296.086	1339.458
6) T MCPP	7.749	8.083	1498.2E6	327.1E6	151.254	141.524
7) T MCPA	7.901	8.334	1789.5E6	447.1E6	141.023	144.658m
8) T DICHLORPROP	8.278	8.699	4624.4E6	1892.3E6	1271.075	1274.928
9) T 2,4-D	8.511	9.035	4698.9E6	2022.8E6	1289.626	1286.504
10) T Pentachlo...	8.830	9.563	52360.6E6	44299.7E6	1031.002	1225.847
11) T 2,4,5-TP ...	9.403	9.942	26760.6E6	17924.0E6	1294.969	1306.726
12) T 2,4,5-T	9.697	10.368	24470.3E6	17161.6E6	1327.668	1314.350
13) T 2,4-DB	10.277	10.935	4249.5E6	1517.5E6	1399.547	1320.041
14) T DINOSEB	11.501	11.322	18597.9E6	13281.7E6	1293.774	1321.547
15) T Picloram	11.306	12.430	27906.5E6	30398.4E6	1394.990	1376.496
16) T DCPA	11.797	12.367	33946.6E6	26887.9E6	1283.906	1313.980

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 12:55
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

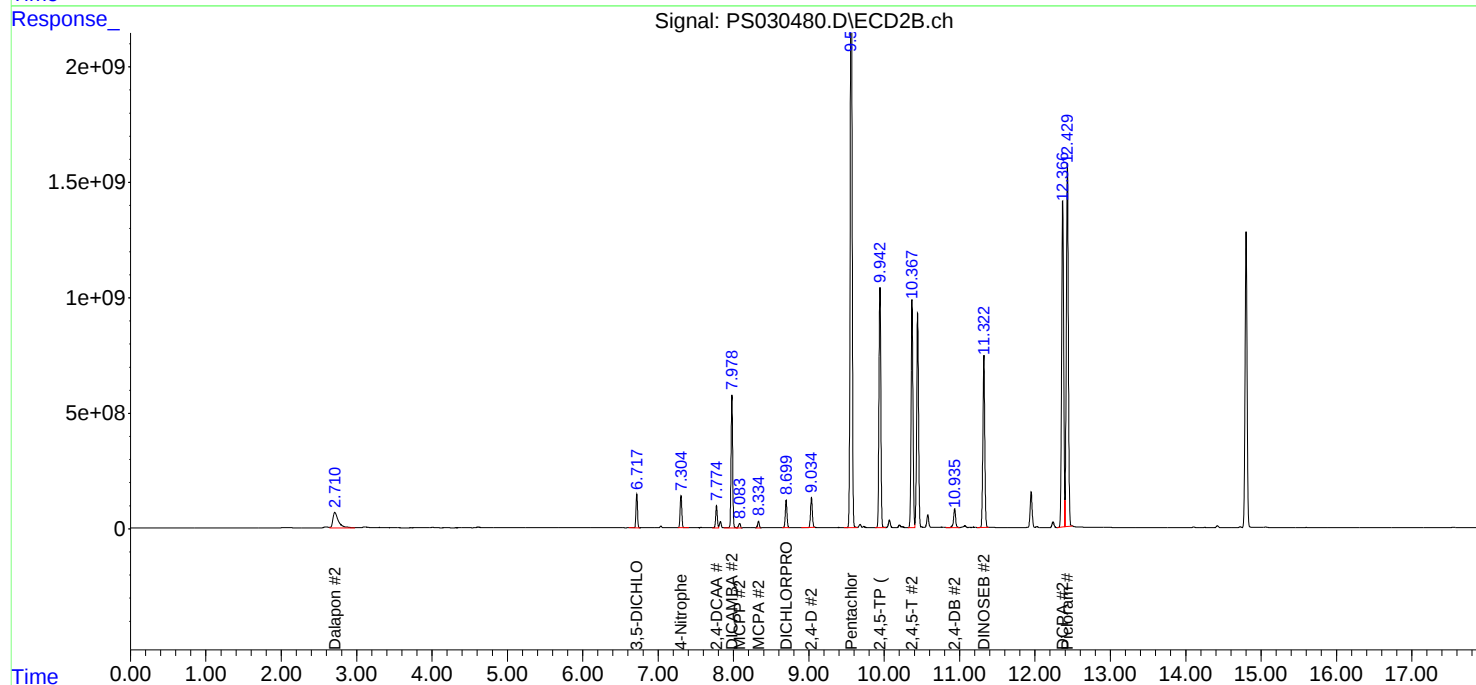
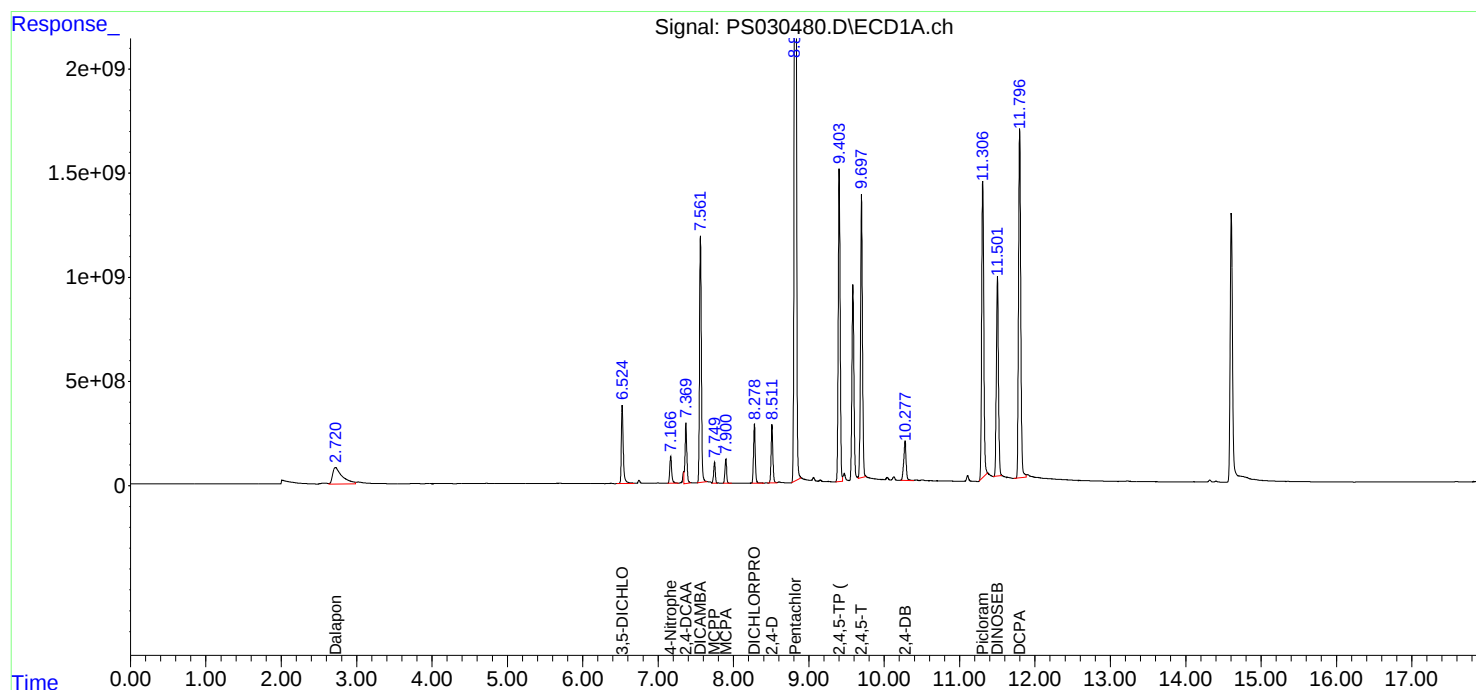
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:20:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:07:48 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030481.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 13:35
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS060425

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 14:09:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.370	7.771	2779.2E6	744.7E6	736.179m	692.376
Target Compounds							
1) T	Dalapon	2.714	2.705	3877.5E6	1823.2E6	686.652	665.381
2) T	3,5-DICHL...	6.525	6.713	3695.4E6	1043.6E6	681.009	667.130
3) T	4-Nitroph...	7.169	7.300	1225.8E6	1032.9E6	668.475	659.037
5) T	DICAMBA	7.563	7.975	10727.3E6	4354.5E6	695.557	675.993
6) T	MCP	7.746	8.074	698.1E6	157.4E6	70.484	68.090
7) T	MCPA	7.897	8.324	861.2E6	203.6E6	67.866	65.964
8) T	DICHLORPROP	8.281	8.695	2469.0E6	997.8E6	678.655	672.256
9) T	2,4-D	8.514	9.031	2588.4E6	1072.3E6	710.397	682.017
10) T	Pentachlo...	8.823	9.558	38130.8E6	25498.1E6	750.811	705.574
11) T	2,4,5-TP ...	9.406	9.939	14651.6E6	9473.2E6	709.003	690.633
12) T	2,4,5-T	9.700	10.366	13151.1E6	9065.2E6	713.527	694.273
13) T	2,4-DB	10.282	10.933	2193.0E6	785.8E6	722.260	683.578
14) T	DINOSEB	11.505	11.320	10027.6E6	6923.3E6	697.574	688.879
15) T	Picloram	11.310	12.428	14073.5E6	15641.1E6	703.508	708.260
16) T	DCPA	11.801	12.365	19004.7E6	14438.0E6	718.784	705.569

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 13:35
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS060425

Manual Integrations

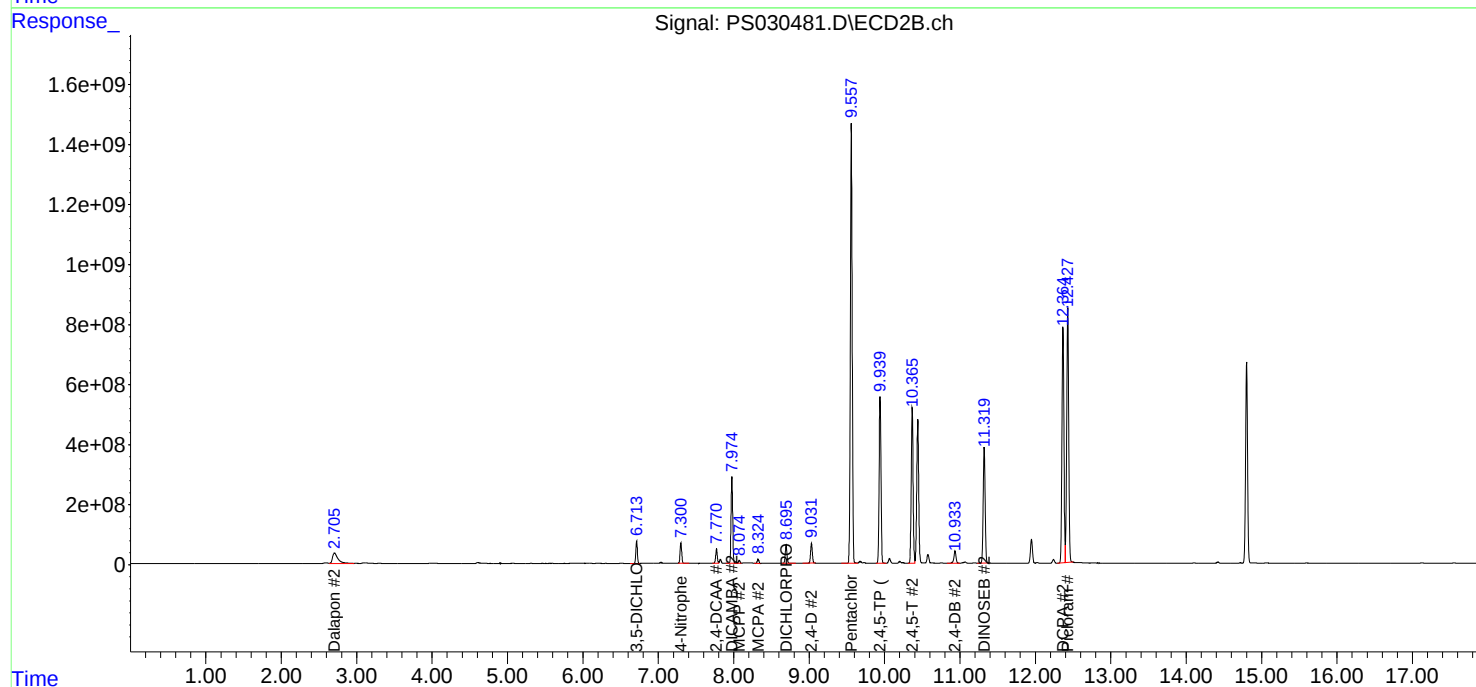
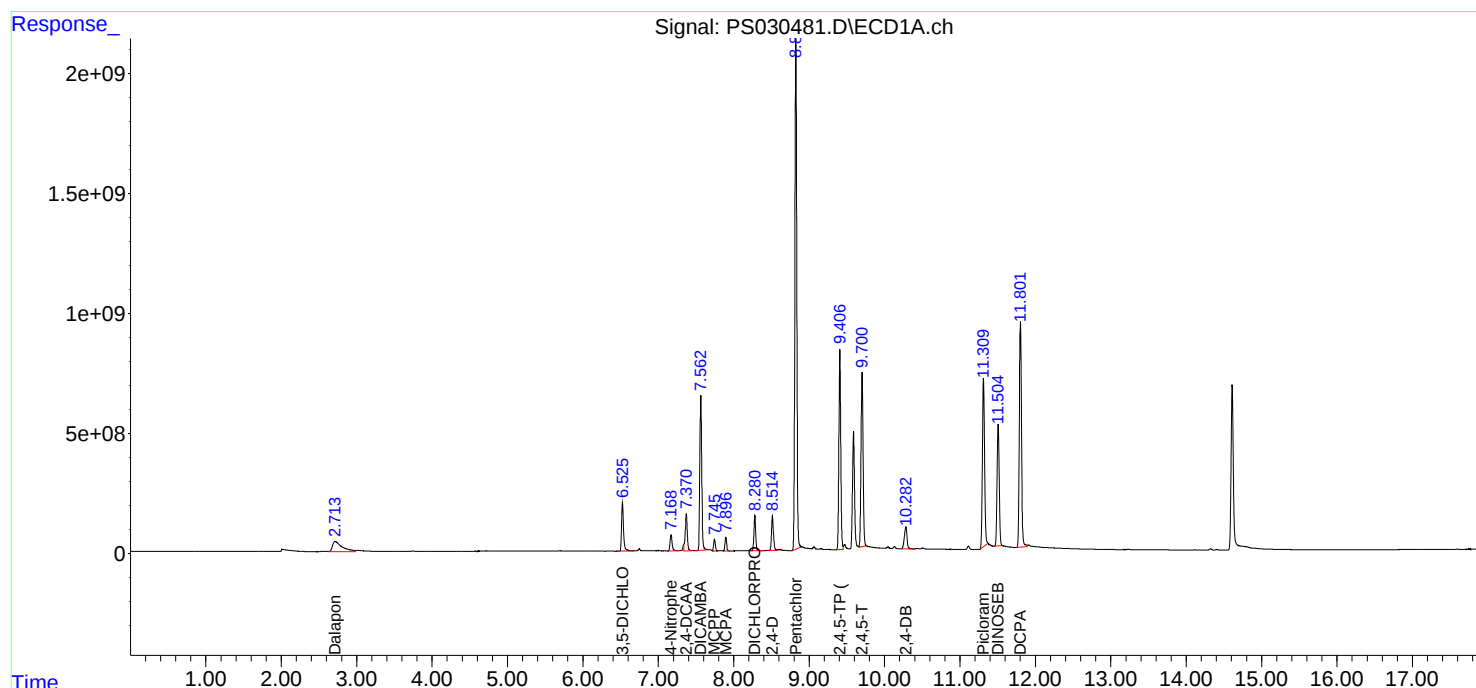
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 14:09:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.56	7.56	7.46	7.66	0.00
2,4-DCAA	7.37	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.51	8.51	8.41	8.61	0.00
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.50	11.50	11.40	11.60	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/04/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 20:03 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.98	7.98	7.88	8.08	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL01 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030497.D Time Analyzed: 20:03

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.692	9.597	9.797	729.950	712.500	2.4
2,4,5-TP(Silvex)	9.398	9.304	9.504	724.280	712.500	1.7
2,4-D	8.506	8.412	8.612	705.370	705.000	0.1
2,4-DB	10.273	10.179	10.379	730.780	712.500	2.6
2,4-DCAA	7.365	7.269	7.469	725.600	750.000	-3.3
DICAMBA	7.557	7.461	7.661	710.910	705.000	0.8
DICHLORPROP	8.273	8.179	8.379	692.230	705.000	-1.8
Dinoseb	11.495	11.402	11.602	717.380	705.000	1.8



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL01 Date Analyzed: 06/04/2025

Lab Sample No.: HSTDCCC750 Data File : PS030497.D Time Analyzed: 20:03

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.365	10.268	10.468	710.770	712.500	-0.2
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.400	712.500	-0.4
2,4-D	9.032	8.934	9.134	695.700	705.000	-1.3
2,4-DB	10.933	10.836	11.036	693.450	712.500	-2.7
2,4-DCAA	7.772	7.674	7.874	722.520	750.000	-3.7
DICAMBA	7.976	7.877	8.077	701.350	705.000	-0.5
DICHLORPROP	8.696	8.598	8.798	691.250	705.000	-2.0
Dinoseb	11.319	11.221	11.421	702.840	705.000	-0.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030497.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 20:03
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 23:03:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.365	7.772	2739.2E6	777.1E6	725.598m	722.517
Target Compounds							
1) T	Dalapon	2.714	2.712	3844.2E6	1798.0E6	680.747	656.194
2) T	3,5-DICHL...	6.521	6.716	3767.2E6	1073.3E6	694.238	686.122
3) T	4-Nitroph...	7.164	7.302	1267.2E6	1081.2E6	691.049	689.903
5) T	DICAMBA	7.557	7.976	10964.0E6	4517.9E6	710.907	701.355
6) T	MCP	7.739	8.075	683.2E6	163.9E6	68.972	70.916
7) T	MCPA	7.890	8.325	882.2E6	207.9E6	69.525	67.359
8) T	DICHLORPROP	8.273	8.696	2518.4E6	1026.0E6	692.226	691.255
9) T	2,4-D	8.506	9.032	2570.1E6	1093.9E6	705.366	695.702
10) T	Pentachlo...	8.816	9.559	39108.7E6	26234.4E6	770.066	725.951
11) T	2,4,5-TP ...	9.398	9.939	14967.4E6	9730.7E6	724.285	709.405
12) T	2,4,5-T	9.692	10.365	13453.7E6	9280.6E6	729.948	710.766
13) T	2,4-DB	10.273	10.933	2218.9E6	797.2E6	730.776	693.455
14) T	DINOSEB	11.495	11.319	10312.3E6	7063.6E6	717.382	702.841
15) T	Picloram	11.301	12.426	13827.2E6	15684.4E6	691.193	710.219
16) T	DCPA	11.791	12.364	19416.8E6	14626.9E6	734.370	714.800

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030497.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 20:03
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

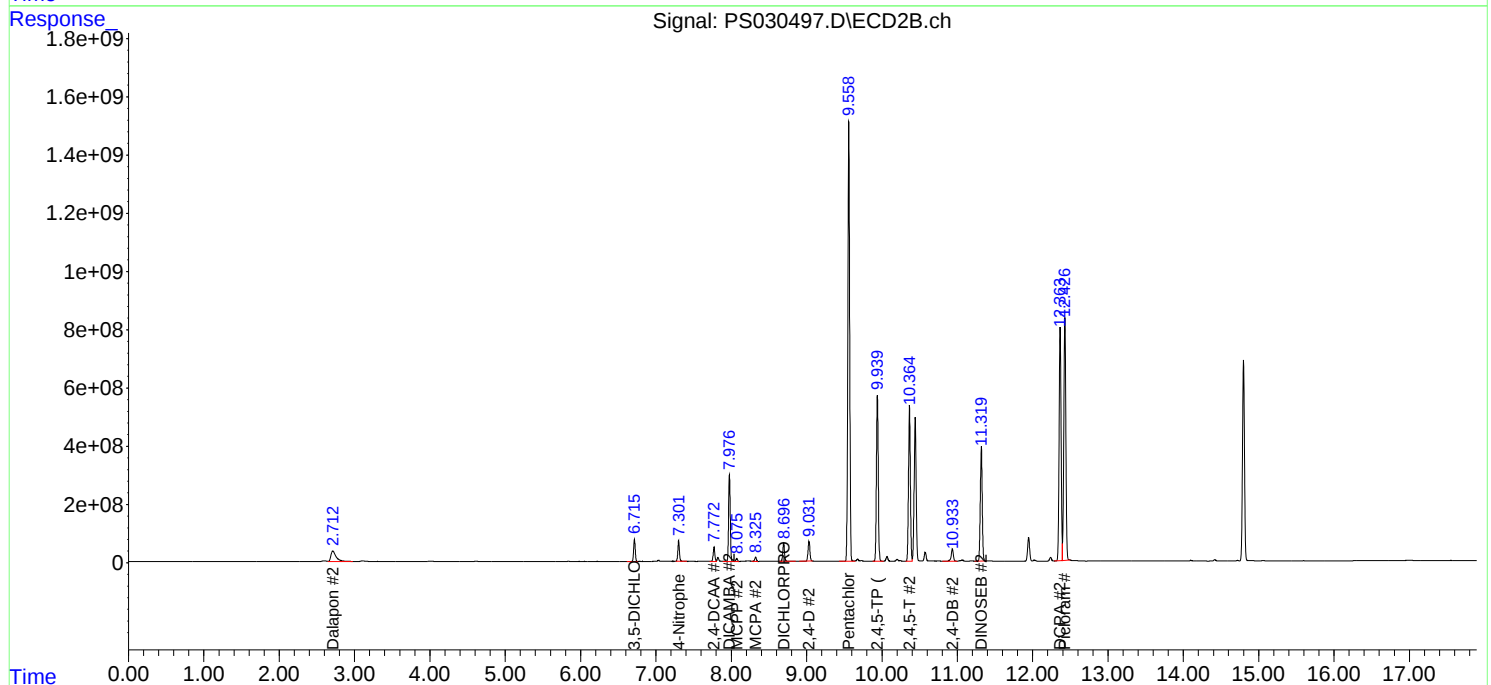
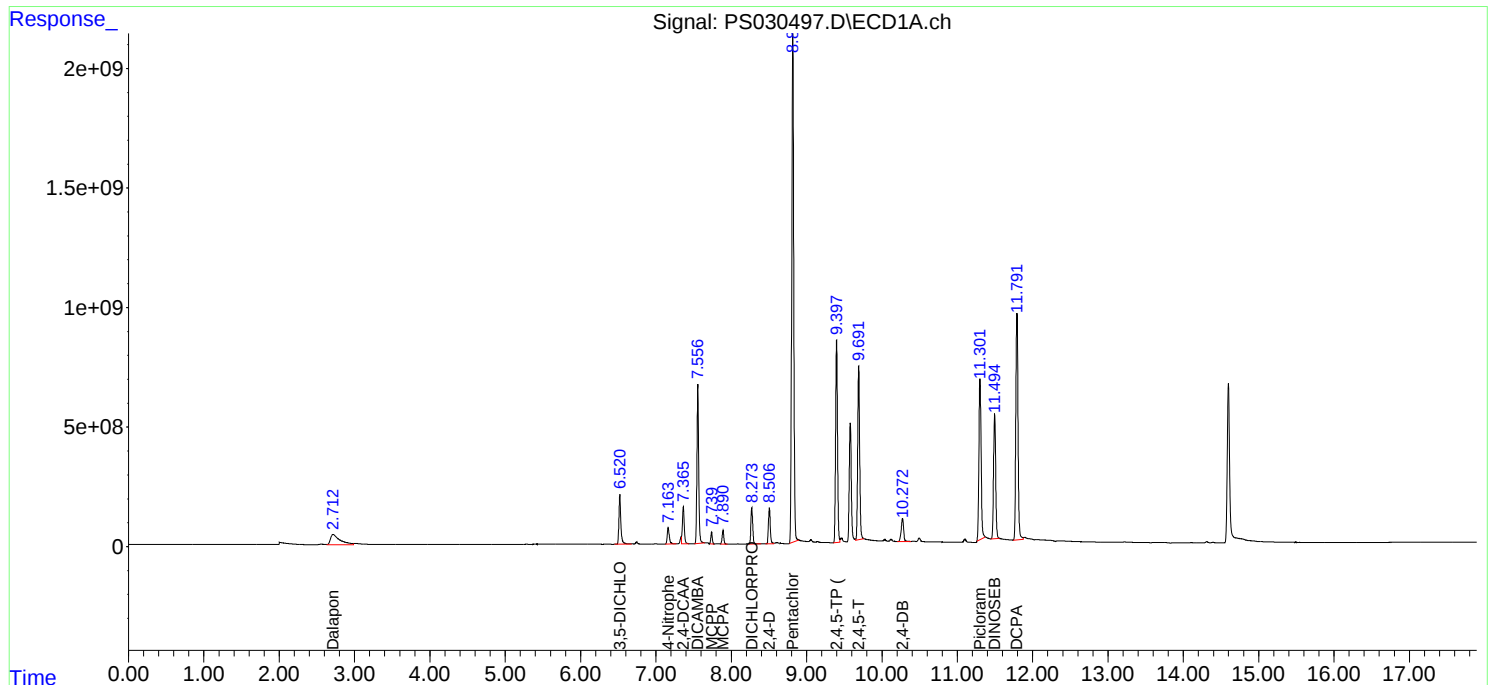
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:03:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.56	7.56	7.46	7.66	0.00
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.49	11.50	11.40	11.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 00:04 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.98	7.98	7.88	8.08	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL02 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030506.D Time Analyzed: 00:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.690	9.597	9.797	691.980	712.500	-2.9
2,4,5-TP(Silvex)	9.396	9.304	9.504	710.030	712.500	-0.3
2,4-D	8.504	8.412	8.612	681.590	705.000	-3.3
2,4-DB	10.272	10.179	10.379	664.470	712.500	-6.7
2,4-DCAA	7.364	7.269	7.469	717.850	750.000	-4.3
DICAMBA	7.556	7.461	7.661	704.690	705.000	0.0
DICHLORPROP	8.272	8.179	8.379	680.910	705.000	-3.4
Dinoseb	11.493	11.402	11.602	697.350	705.000	-1.1



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CALIBRATION VERIFICATION SUMMARY
Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/04/2025 06/04/2025
Client Sample No.: CCAL02 **Date Analyzed:** 06/05/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030506.D **Time Analyzed:** 00:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.365	10.268	10.468	703.220	712.500	-1.3
2,4,5-TP(Silvex)	9.939	9.842	10.042	704.930	712.500	-1.1
2,4-D	9.032	8.934	9.134	692.970	705.000	-1.7
2,4-DB	10.932	10.836	11.036	692.000	712.500	-2.9
2,4-DCAA	7.772	7.674	7.874	719.760	750.000	-4.0
DICAMBA	7.976	7.877	8.077	701.320	705.000	-0.5
DICHLORPROP	8.696	8.598	8.798	685.390	705.000	-2.8
Dinoseb	11.318	11.221	11.421	693.070	705.000	-1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030506.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 00:04
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:42:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	2710.0E6	774.2E6	717.847m	719.758
Target Compounds							
1) T	Dalapon	2.715	2.711	3725.6E6	1775.0E6	659.760	647.806
2) T	3,5-DICHL...	6.520	6.716	3744.5E6	1063.4E6	690.050	679.840
3) T	4-Nitroph...	7.163	7.302	1209.4E6	1070.2E6	659.506	682.855
5) T	DICAMBA	7.556	7.976	10868.1E6	4517.6E6	704.686	701.315
6) T	MCPD	7.738	8.075	657.0E6	163.9E6	66.326	70.888
7) T	MCPA	7.889	8.325	862.2E6	208.2E6	67.950	67.468
8) T	DICHLORPROP	8.272	8.696	2477.3E6	1017.3E6	680.911	685.395
9) T	2,4-D	8.504	9.032	2483.5E6	1089.6E6	681.592	692.969
10) T	Pentachlo...	8.814	9.558	38716.9E6	26108.3E6	762.350	722.460
11) T	2,4,5-TP ...	9.396	9.939	14672.9E6	9669.3E6	710.033	704.928
12) T	2,4,5-T	9.690	10.365	12753.9E6	9182.0E6	691.979	703.220
13) T	2,4-DB	10.272	10.932	2017.6E6	795.5E6	664.468	692.003
14) T	DINOSEB	11.493	11.318	10024.4E6	6965.4E6	697.350	693.066
15) T	Picloram	11.298	12.426	12289.4E6	15277.3E6	614.323	691.783
16) T	DCPA	11.789	12.363	18990.5E6	14437.9E6	718.245	705.565

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030506.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 00:04
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

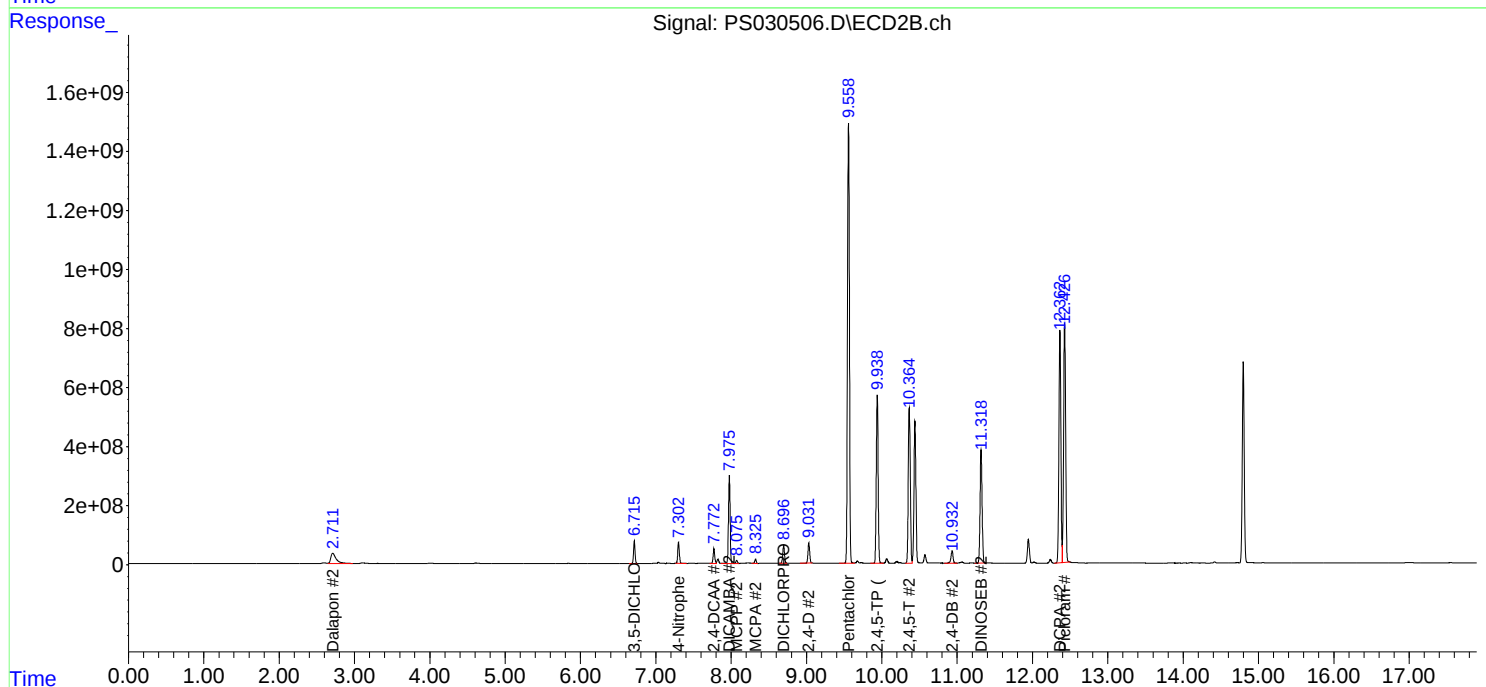
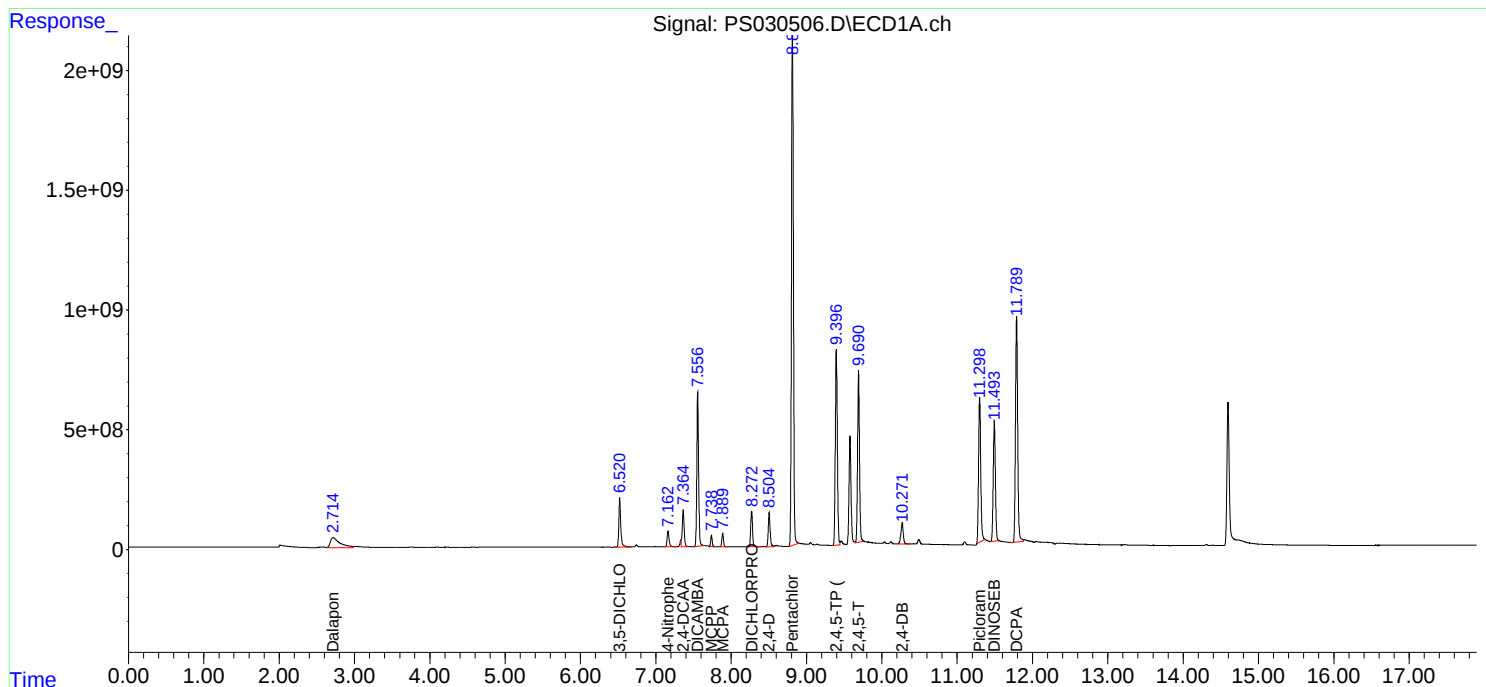
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:42:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.56	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.40	9.40	9.30	9.50	0.00
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.49	11.50	11.40	11.60	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 04:29 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.98	7.98	7.88	8.08	0.00
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.70	8.70	8.60	8.80	0.00
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.37	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL03 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030516.D Time Analyzed: 04:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.690	9.597	9.797	707.790	712.500	-0.7
2,4,5-TP(Silvex)	9.395	9.304	9.504	720.680	712.500	1.1
2,4-D	8.504	8.412	8.612	697.490	705.000	-1.1
2,4-DB	10.269	10.179	10.379	681.810	712.500	-4.3
2,4-DCAA	7.364	7.269	7.469	713.260	750.000	-4.9
DICAMBA	7.555	7.461	7.661	714.070	705.000	1.3
DICHLORPROP	8.271	8.179	8.379	693.020	705.000	-1.7
Dinoseb	11.491	11.402	11.602	709.130	705.000	0.6



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL03 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030516.D Time Analyzed: 04:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.365	10.268	10.468	707.320	712.500	-0.7
2,4,5-TP(Silvex)	9.939	9.842	10.042	709.690	712.500	-0.4
2,4-D	9.031	8.934	9.134	727.630	705.000	3.2
2,4-DB	10.932	10.836	11.036	696.340	712.500	-2.3
2,4-DCAA	7.772	7.674	7.874	709.210	750.000	-5.4
DICAMBA	7.976	7.877	8.077	698.330	705.000	-0.9
DICHLORPROP	8.696	8.598	8.798	689.030	705.000	-2.3
Dinoseb	11.318	11.221	11.421	699.890	705.000	-0.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030516.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 04:29
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 05:33:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	2692.7E6	762.8E6	713.260m	709.208
Target Compounds							
1) T	Dalapon	2.716	2.712	3731.2E6	1777.7E6	660.743	648.799
2) T	3,5-DICHL...	6.520	6.715	3801.9E6	1066.8E6	700.632	681.994
3) T	4-Nitroph...	7.162	7.302	1240.7E6	1074.0E6	676.584	685.265
5) T	DICAMBA	7.555	7.976	11012.8E6	4498.4E6	714.070	698.332
6) T	MCPD	7.738	8.075	651.4E6	163.1E6	65.768	70.557
7) T	MCPA	7.889	8.324	870.4E6	224.3E6	68.593	72.684m
8) T	DICHLORPROP	8.271	8.696	2521.3E6	1022.7E6	693.019	689.026
9) T	2,4-D	8.504	9.031	2541.4E6	1144.1E6	697.492	727.629m
10) T	Pentachlo...	8.813	9.559	39349.9E6	26276.9E6	774.815	727.126
11) T	2,4,5-TP ...	9.395	9.939	14892.9E6	9734.6E6	720.682	709.687
12) T	2,4,5-T	9.690	10.365	13045.4E6	9235.6E6	707.794	707.322
13) T	2,4-DB	10.269	10.932	2070.2E6	800.5E6	681.812	696.340
14) T	DINOSEB	11.491	11.318	10193.8E6	7033.9E6	709.134	699.885
15) T	Picloram	11.297	12.426	13101.7E6	15476.3E6	654.929m	700.796
16) T	DCPA	11.787	12.363	19415.3E6	14491.4E6	734.312	708.177

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:29
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

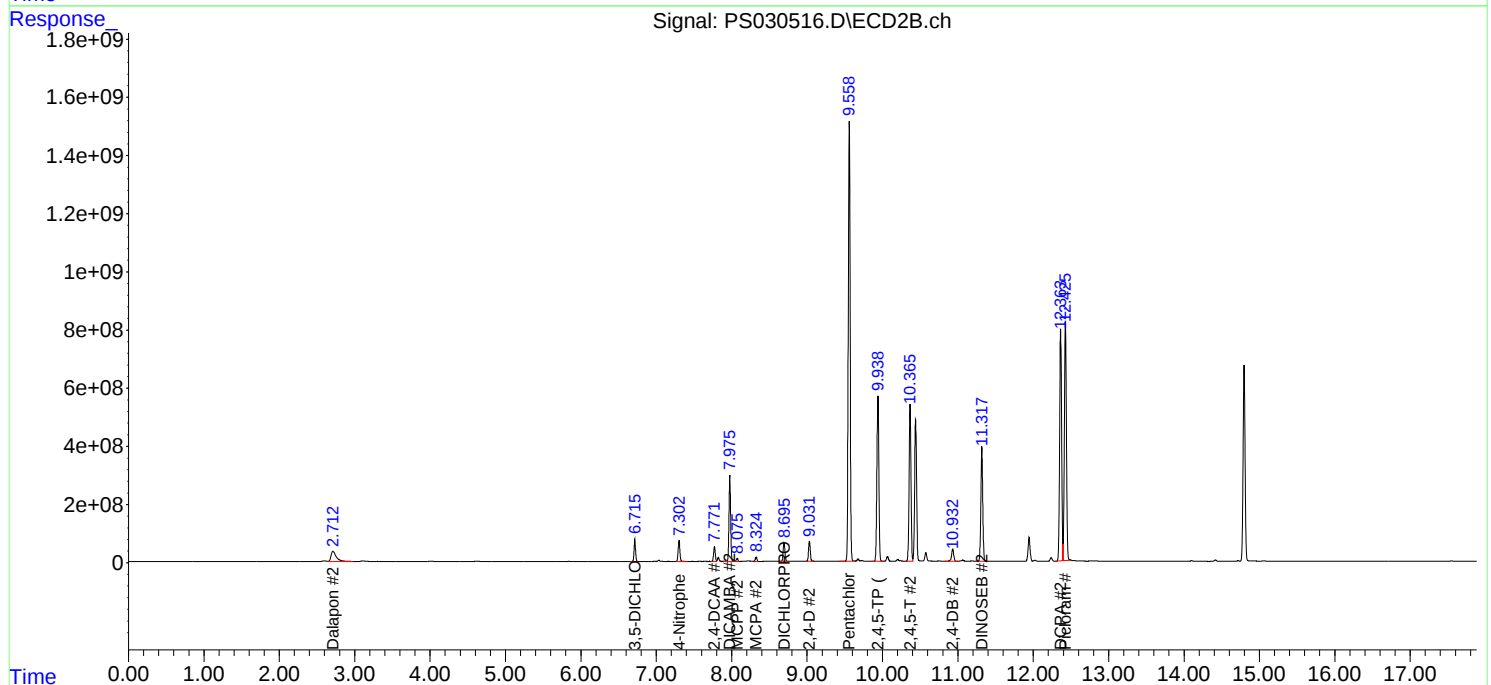
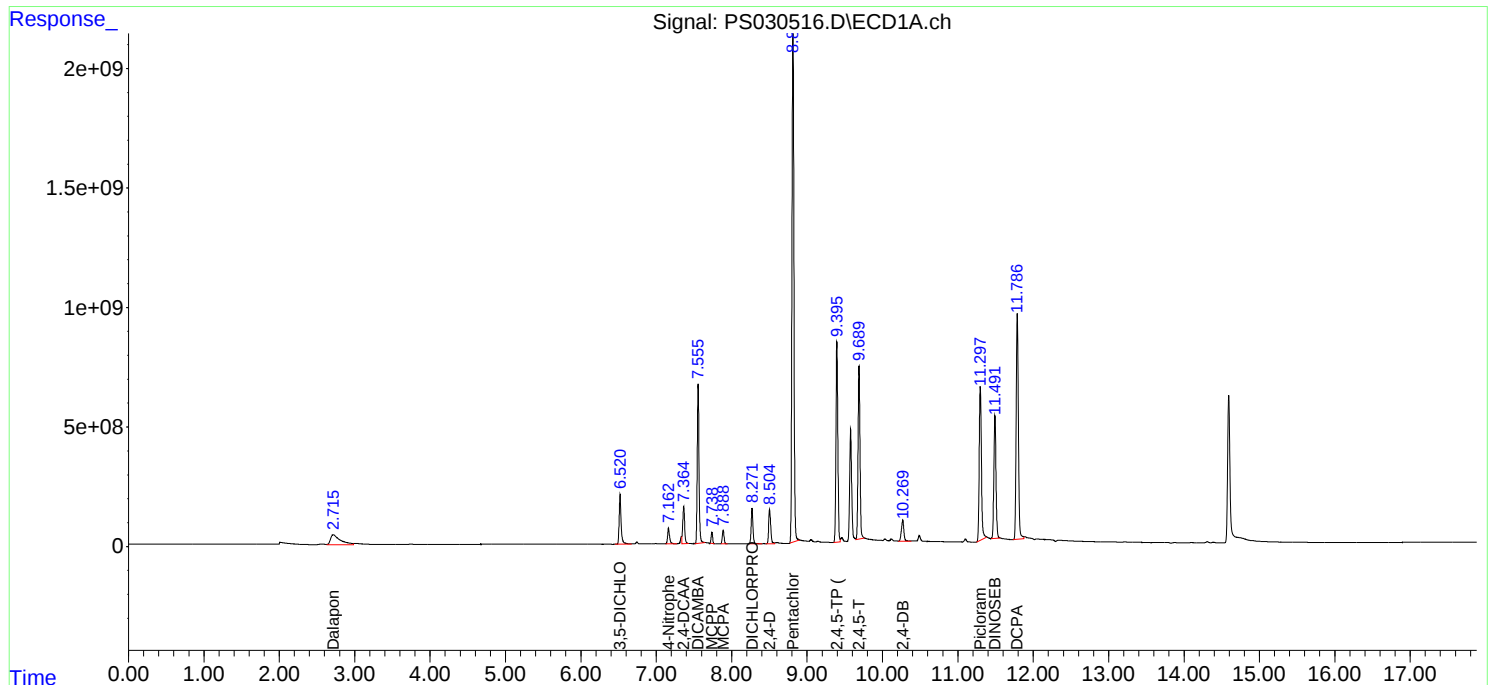
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 08:53 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.49	11.50	11.40	11.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 08:53 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL04 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030526.D Time Analyzed: 08:53

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	693.230	712.500	-2.7
2,4,5-TP(Silvex)	9.393	9.304	9.504	715.010	712.500	0.4
2,4-D	8.502	8.412	8.612	687.060	705.000	-2.5
2,4-DB	10.268	10.179	10.379	658.560	712.500	-7.6
2,4-DCAA	7.362	7.269	7.469	717.160	750.000	-4.4
DICAMBA	7.554	7.461	7.661	713.070	705.000	1.1
DICHLORPROP	8.270	8.179	8.379	689.740	705.000	-2.2
Dinoseb	11.490	11.402	11.602	712.210	705.000	1.0



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL04 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030526.D Time Analyzed: 08:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.363	10.268	10.468	707.860	712.500	-0.7
2,4,5-TP(Silvex)	9.937	9.842	10.042	709.480	712.500	-0.4
2,4-D	9.030	8.934	9.134	722.280	705.000	2.5
2,4-DB	10.930	10.836	11.036	688.890	712.500	-3.3
2,4-DCAA	7.771	7.674	7.874	726.710	750.000	-3.1
DICAMBA	7.974	7.877	8.077	709.610	705.000	0.7
DICHLORPROP	8.694	8.598	8.798	691.730	705.000	-1.9
Dinoseb	11.316	11.221	11.421	708.340	705.000	0.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030526.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 08:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 09:17:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.771	2707.4E6	781.7E6	717.162m	726.712
Target Compounds							
1) T	Dalapon	2.715	2.713	3776.3E6	1796.7E6	668.724	655.720
2) T	3,5-DICHL...	6.519	6.715	3794.5E6	1074.2E6	699.270	686.719
3) T	4-Nitroph...	7.161	7.301	1205.4E6	1085.0E6	657.361	692.272
5) T	DICAMBA	7.554	7.974	10997.3E6	4571.0E6	713.070	709.607
6) T	MCPD	7.736	8.074	646.0E6	165.4E6	65.223	71.553
7) T	MCPA	7.887	8.323	870.9E6	224.2E6	68.635	72.654m
8) T	DICHLORPROP	8.270	8.694	2509.4E6	1026.7E6	689.745	691.731
9) T	2,4-D	8.502	9.030	2503.4E6	1135.7E6	687.058	722.283m
10) T	Pentachlo...	8.812	9.557	39069.9E6	26335.0E6	769.302	728.735
11) T	2,4,5-TP ...	9.393	9.937	14775.8E6	9731.8E6	715.012	709.482
12) T	2,4,5-T	9.688	10.363	12776.9E6	9242.6E6	693.228	707.862
13) T	2,4-DB	10.268	10.930	1999.6E6	791.9E6	658.555	688.893
14) T	DINOSEB	11.490	11.316	10237.9E6	7118.9E6	712.207	708.338
15) T	Picloram	11.295	12.423	12518.6E6	15260.3E6	625.779m	691.017
16) T	DCPA	11.785	12.361	19247.7E6	14505.9E6	727.972	708.884m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030526.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 08:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

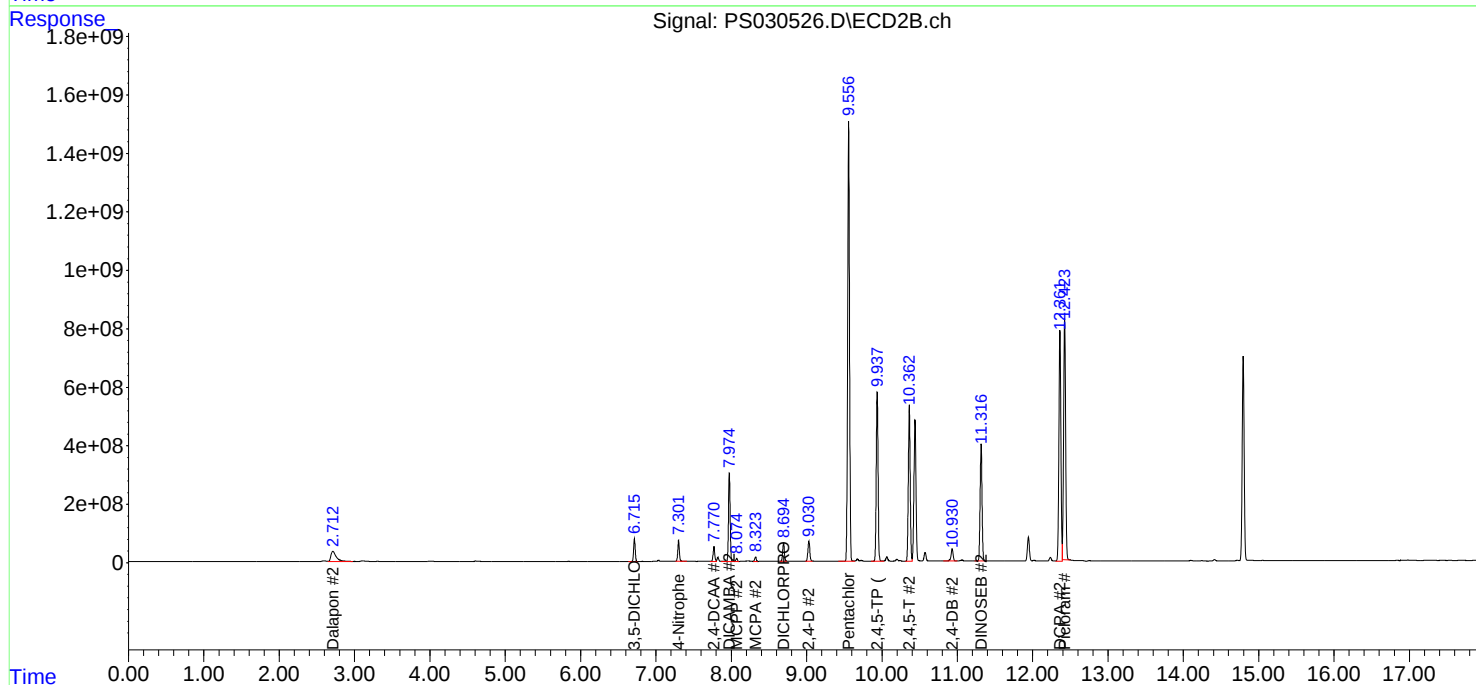
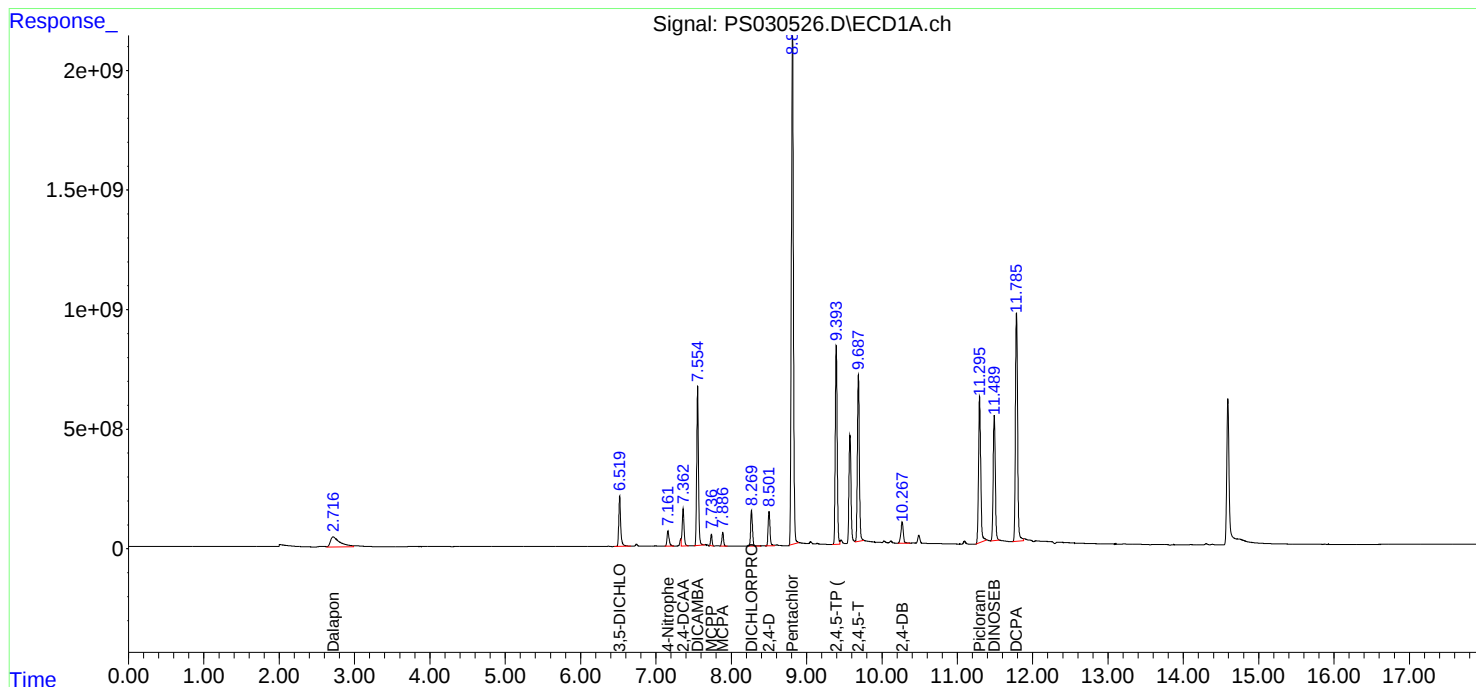
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 09:17:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 10:46 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.49	11.50	11.40	11.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 10:46 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL05 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030529.D Time Analyzed: 10:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	696.360	712.500	-2.3
2,4,5-TP(Silvex)	9.393	9.304	9.504	720.870	712.500	1.2
2,4-D	8.502	8.412	8.612	690.150	705.000	-2.1
2,4-DB	10.268	10.179	10.379	655.240	712.500	-8.0
2,4-DCAA	7.361	7.269	7.469	744.640	750.000	-0.7
DICAMBA	7.553	7.461	7.661	720.790	705.000	2.2
DICHLORPROP	8.269	8.179	8.379	693.830	705.000	-1.6
Dinoseb	11.490	11.402	11.602	718.240	705.000	1.9



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL05 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030529.D Time Analyzed: 10:46

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.362	10.268	10.468	713.650	712.500	0.2
2,4,5-TP(Silvex)	9.937	9.842	10.042	717.800	712.500	0.7
2,4-D	9.030	8.934	9.134	710.700	705.000	0.8
2,4-DB	10.930	10.836	11.036	698.670	712.500	-1.9
2,4-DCAA	7.771	7.674	7.874	730.660	750.000	-2.6
DICAMBA	7.974	7.877	8.077	713.970	705.000	1.3
DICHLORPROP	8.694	8.598	8.798	696.090	705.000	-1.3
Dinoseb	11.316	11.221	11.421	716.500	705.000	1.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
 Data File : PS030529.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 10:46
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 06 01:20:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.361	7.771	2811.1E6	785.9E6	744.640m	730.657
Target Compounds							
1) T	Dalapon	2.716	2.711	3834.2E6	1814.4E6	678.987	662.190
2) T	3,5-DICHL...	6.518	6.714	3822.3E6	1083.8E6	704.390	692.856
3) T	4-Nitroph...	7.161	7.301	1216.5E6	1089.4E6	663.413	695.129
5) T	DICAMBA	7.553	7.974	11116.5E6	4599.1E6	720.794	713.967
6) T	MCP	7.736	8.074	752.6E6	166.9E6	75.981m	72.200
7) T	MCPA	7.887	8.323	873.3E6	211.4E6	68.818	68.507
8) T	DICHLORPROP	8.269	8.694	2524.2E6	1033.1E6	693.826	696.089
9) T	2,4-D	8.502	9.030	2514.6E6	1117.4E6	690.151	710.696
10) T	Pentachlo...	8.811	9.556	39188.0E6	26577.2E6	771.627	735.436
11) T	2,4,5-TP ...	9.393	9.937	14896.8E6	9845.8E6	720.868	717.797
12) T	2,4,5-T	9.688	10.362	12834.7E6	9318.2E6	696.364	713.646
13) T	2,4-DB	10.268	10.930	1989.5E6	803.2E6	655.239	698.673
14) T	DINOSEB	11.490	11.316	10324.6E6	7200.9E6	718.237	716.504
15) T	Picloram	11.296	12.423	12720.8E6	15574.8E6	635.890m	705.256
16) T	DCPA	11.786	12.360	19356.6E6	14552.1E6	732.091	711.144m

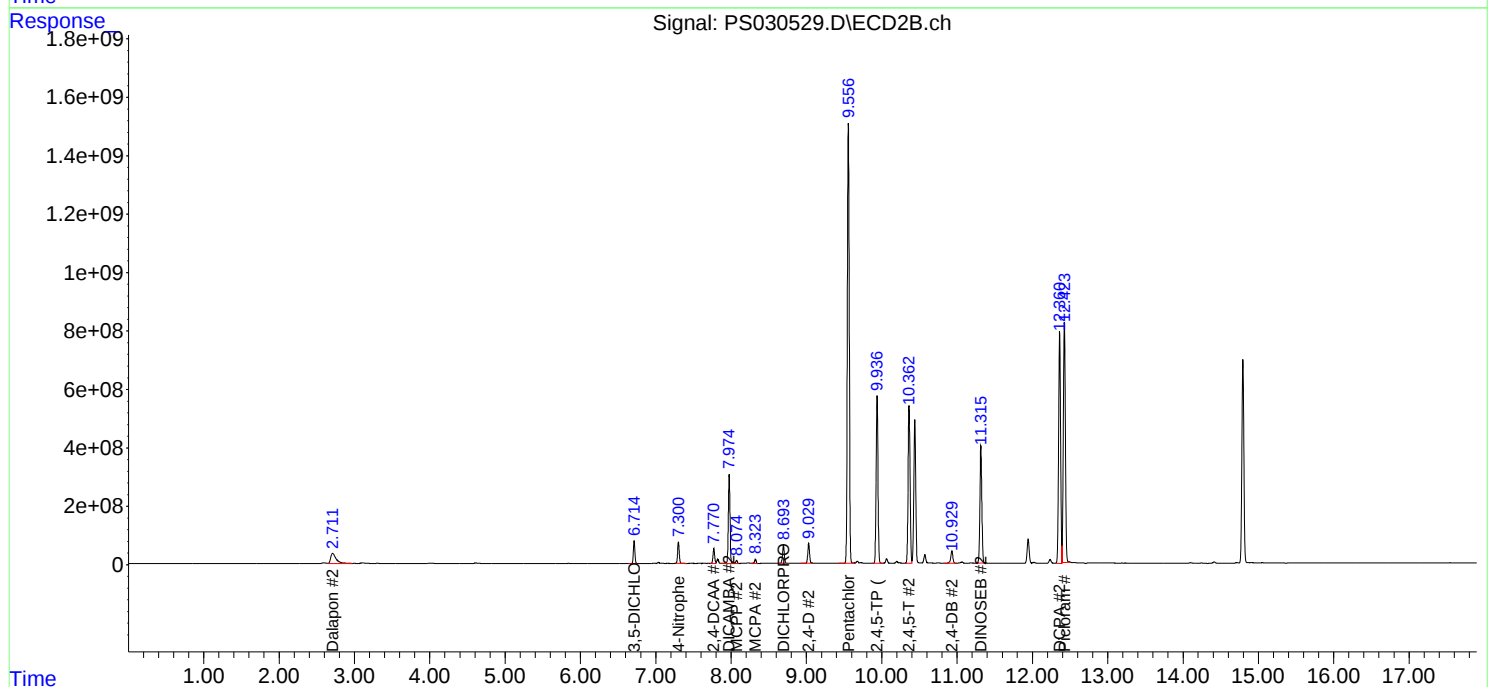
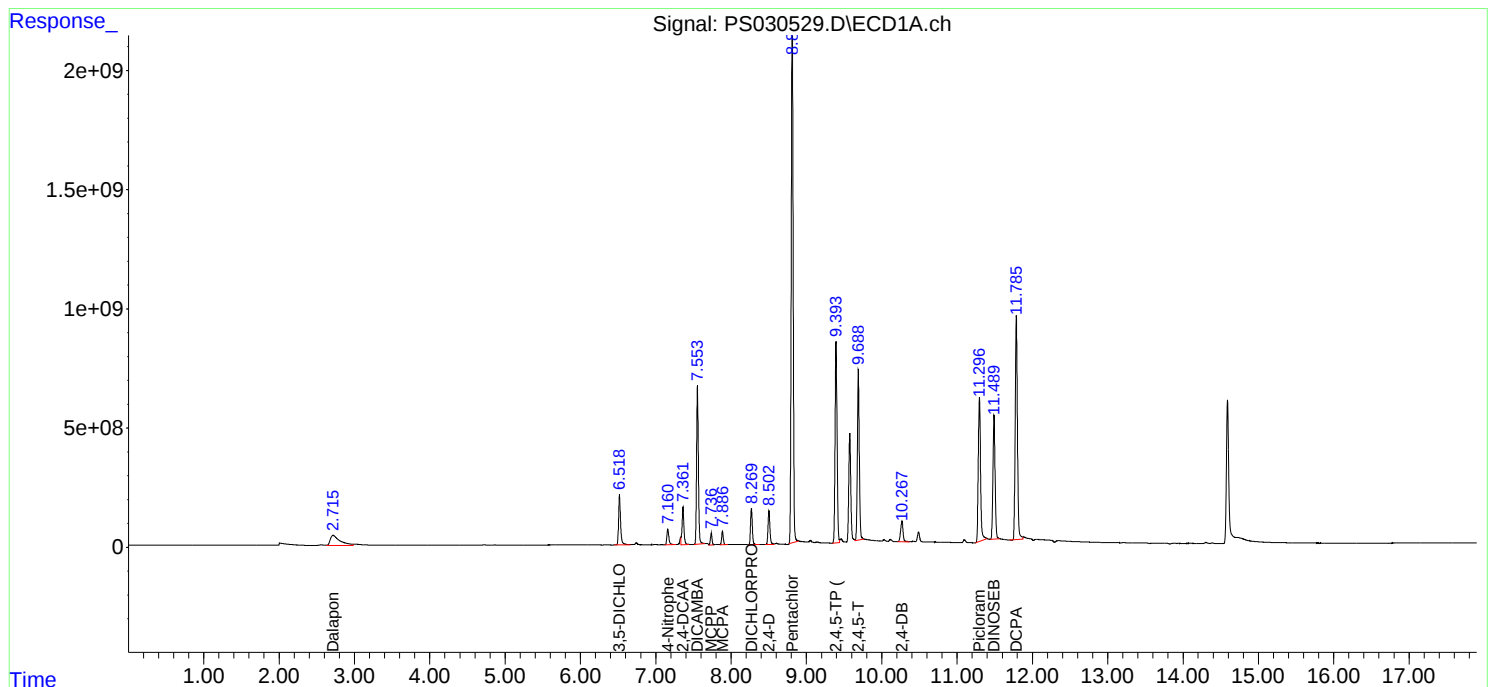
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030529.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 10:46
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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





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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 15:18 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.55	7.56	7.46	7.66	0.01
2,4-DCAA	7.36	7.37	7.27	7.47	0.01
DICHLORPROP	8.27	8.28	8.18	8.38	0.01
2,4-D	8.50	8.51	8.41	8.61	0.01
2,4,5-TP(Silvex)	9.39	9.40	9.30	9.50	0.01
2,4,5-T	9.69	9.70	9.60	9.80	0.01
2,4-DB	10.27	10.28	10.18	10.38	0.01
Dinoseb	11.49	11.50	11.40	11.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/05/2025 Initial Calibration Date(s): 06/04/2025 06/04/2025

Continuing Calib Time: 15:18 Initial Calibration Time(s): 11:19 12:55

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.97	7.98	7.88	8.08	0.01
2,4-DCAA	7.77	7.77	7.67	7.87	0.00
DICHLORPROP	8.69	8.70	8.60	8.80	0.01
2,4-D	9.03	9.03	8.93	9.13	0.00
2,4,5-TP(Silvex)	9.94	9.94	9.84	10.04	0.00
2,4,5-T	10.36	10.37	10.27	10.47	0.01
2,4-DB	10.93	10.94	10.84	11.04	0.01
Dinoseb	11.32	11.32	11.22	11.42	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL06 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030532.D Time Analyzed: 15:18

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.688	9.597	9.797	700.170	712.500	-1.7
2,4,5-TP(Silvex)	9.394	9.304	9.504	723.990	712.500	1.6
2,4-D	8.503	8.412	8.612	691.070	705.000	-2.0
2,4-DB	10.268	10.179	10.379	664.630	712.500	-6.7
2,4-DCAA	7.362	7.269	7.469	741.180	750.000	-1.2
DICAMBA	7.554	7.461	7.661	721.180	705.000	2.3
DICHLORPROP	8.270	8.179	8.379	696.700	705.000	-1.2
Dinoseb	11.491	11.402	11.602	723.120	705.000	2.6



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 06/04/2025 06/04/2025

Client Sample No.: CCAL06 Date Analyzed: 06/05/2025

Lab Sample No.: HSTDCCC750 Data File : PS030532.D Time Analyzed: 15:18

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	10.362	10.268	10.468	712.190	712.500	0.0
2,4,5-TP(Silvex)	9.937	9.842	10.042	713.500	712.500	0.1
2,4-D	9.029	8.934	9.134	708.180	705.000	0.5
2,4-DB	10.929	10.836	11.036	695.800	712.500	-2.3
2,4-DCAA	7.770	7.674	7.874	727.740	750.000	-3.0
DICAMBA	7.974	7.877	8.077	710.730	705.000	0.8
DICHLORPROP	8.694	8.598	8.798	691.060	705.000	-2.0
Dinoseb	11.315	11.221	11.421	713.050	705.000	1.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
 Data File : PS030532.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 15:18
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 06 01:21:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.770	2798.0E6	782.8E6	741.175m	727.743
Target Compounds							
1) T	Dalapon	2.716	2.712	3871.3E6	1802.9E6	685.551	657.999
2) T	3,5-DICHL...	6.519	6.714	3840.0E6	1082.0E6	707.653	691.710
3) T	4-Nitroph...	7.161	7.300	1220.0E6	1082.7E6	665.307	690.854
5) T	DICAMBA	7.554	7.974	11122.4E6	4578.3E6	721.177	710.729
6) T	MCPD	7.737	8.073	650.4E6	165.3E6	65.665	71.497
7) T	MCPA	7.888	8.323	873.9E6	208.3E6	68.866	67.513
8) T	DICHLORPROP	8.270	8.694	2534.7E6	1025.7E6	696.700	691.062
9) T	2,4-D	8.503	9.029	2518.0E6	1113.5E6	691.070	708.178
10) T	Pentachlo...	8.812	9.556	39288.1E6	26432.4E6	773.599	731.431
11) T	2,4,5-TP ...	9.394	9.937	14961.2E6	9787.0E6	723.986	713.504
12) T	2,4,5-T	9.688	10.362	12904.8E6	9299.1E6	700.168	712.187
13) T	2,4-DB	10.268	10.929	2018.0E6	799.9E6	664.627	695.802
14) T	DINOSEB	11.491	11.315	10394.8E6	7166.2E6	723.118	713.046
15) T	Picloram	11.296	12.423	12743.0E6	15285.6E6	636.996m	692.162
16) T	DCPA	11.786	12.359	19586.9E6	14477.0E6	740.802	707.472m

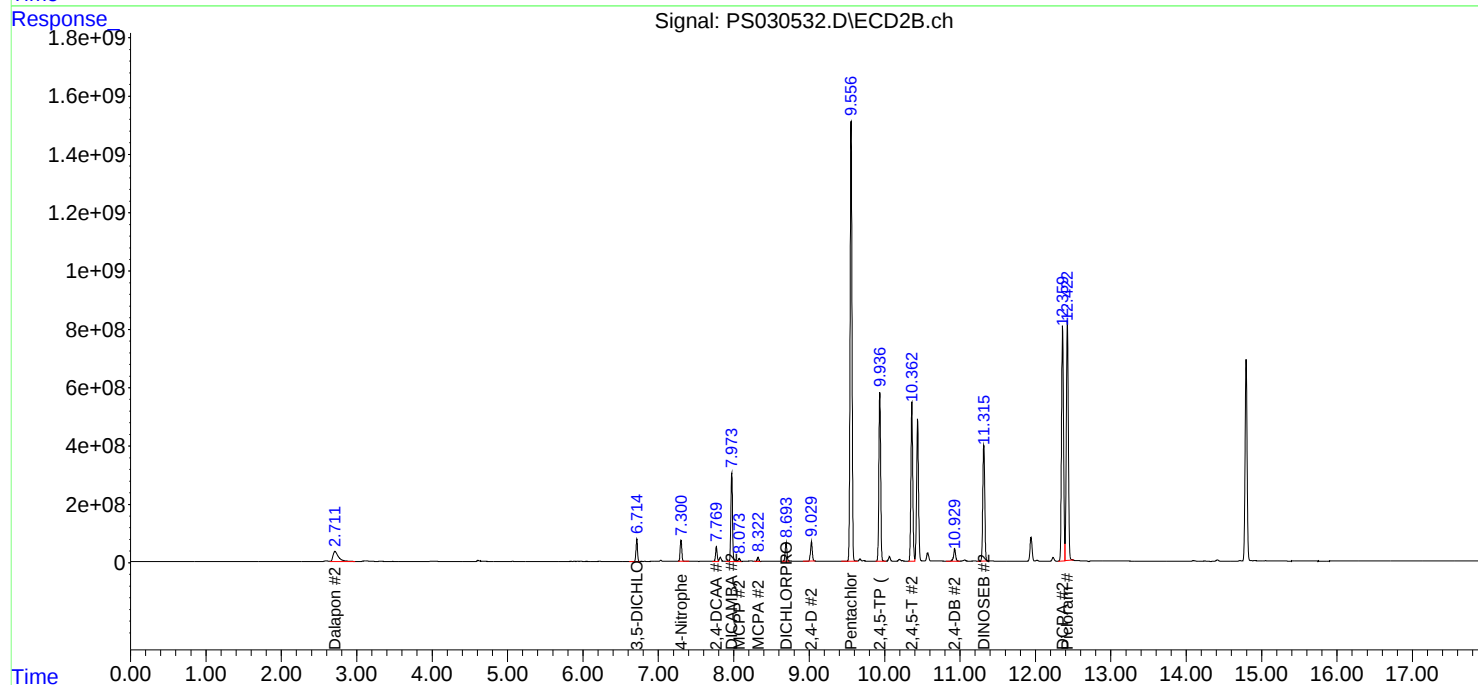
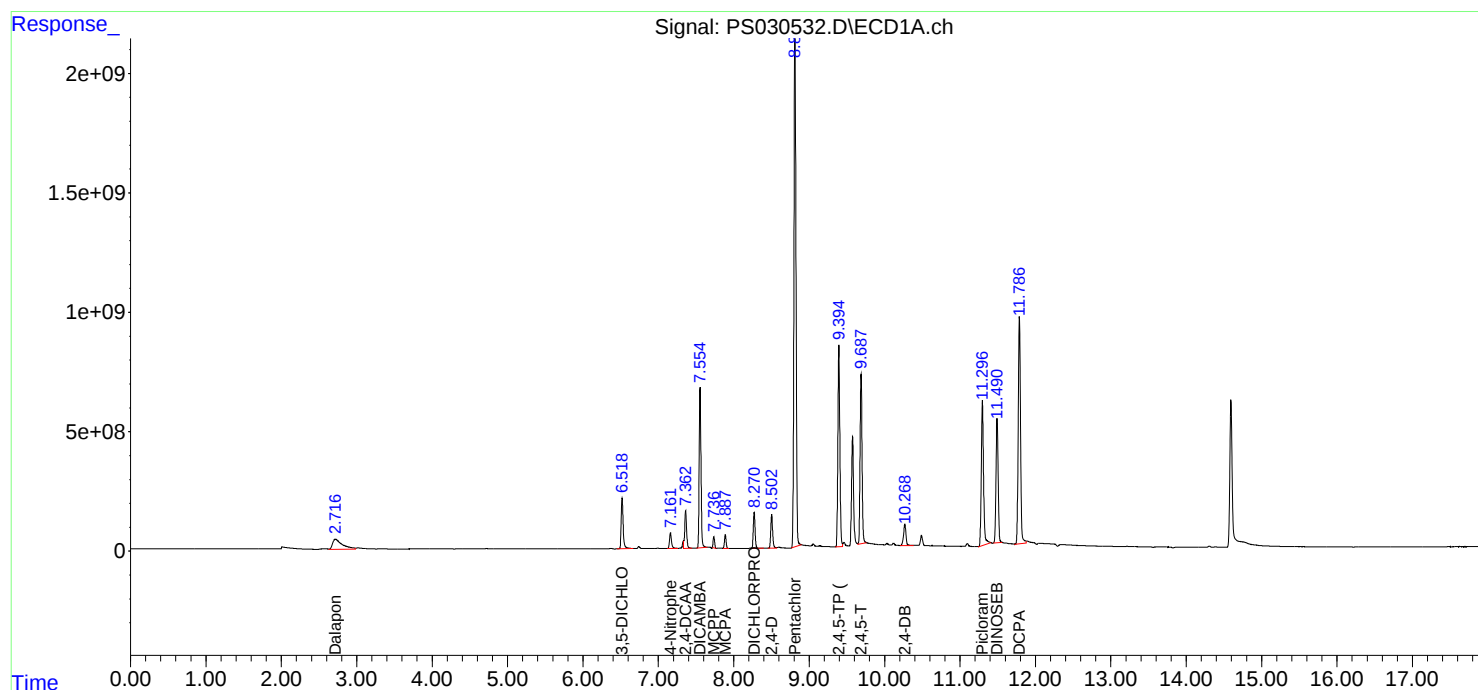
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030532.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 15:18
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:21:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



Analytical Sequence

Client: CDM Smith	SDG No.: Q2176
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 06/04/2025 06/04/2025

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 #
LBLK	LBLK	06/04/2025	10:55	PS030475.D	7.37	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.37	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.37	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.37	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.37	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.37	0.00
LBLK	LBLK	06/04/2025	19:39	PS030496.D	7.37	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.37	0.00
TP05-MHH-WCMS	Q2160-05MS	06/04/2025	21:40	PS030500.D	7.36	0.00
TP05-MHH-WCMSD	Q2160-05MSD	06/04/2025	22:04	PS030501.D	7.36	0.00
LBLK	LBLK	06/04/2025	23:40	PS030505.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.36	0.00
PB168254BL	PB168254BL	06/05/2025	03:17	PS030513.D	7.36	0.00
PB168254BS	PB168254BS	06/05/2025	03:41	PS030514.D	7.36	0.00
LBLK	LBLK	06/05/2025	04:05	PS030515.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.36	0.00
TP-46	Q2176-01	06/05/2025	05:17	PS030517.D	7.36	0.00
TP-56	Q2176-02	06/05/2025	05:41	PS030518.D	7.36	0.00
TP-25	Q2176-03	06/05/2025	06:05	PS030519.D	7.36	0.00
TP-28	Q2176-05	06/05/2025	06:53	PS030521.D	7.36	0.00
TP-27	Q2176-06	06/05/2025	07:17	PS030522.D	7.36	0.00
TP-31	Q2176-07	06/05/2025	07:41	PS030523.D	7.36	0.00
TP-65	Q2176-08	06/05/2025	08:05	PS030524.D	7.36	0.00
LBLK	LBLK	06/05/2025	08:29	PS030525.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	08:53	PS030526.D	7.36	0.00
LBLK	LBLK	06/05/2025	10:22	PS030528.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	10:46	PS030529.D	7.36	0.00
TP-26	Q2176-04	06/05/2025	13:03	PS030530.D	7.36	0.00
LBLK	LBLK	06/05/2025	14:54	PS030531.D	7.36	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	15:18	PS030532.D	7.36	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2176
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 06/04/2025 06/04/2025

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	06/04/2025	10:55	PS030475.D	7.77	0.00
HSTDICC200	HSTDICC200	06/04/2025	11:19	PS030476.D	7.77	0.00
HSTDICC500	HSTDICC500	06/04/2025	11:43	PS030477.D	7.77	0.00
HSTDICC750	HSTDICC750	06/04/2025	12:07	PS030478.D	7.77	0.00
HSTDICC1000	HSTDICC1000	06/04/2025	12:31	PS030479.D	7.77	0.00
HSTDICC1500	HSTDICC1500	06/04/2025	12:55	PS030480.D	7.77	0.00
IBLK	IBLK	06/04/2025	19:39	PS030496.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/04/2025	20:03	PS030497.D	7.77	0.00
TP05-MHH-WCMS	Q2160-05MS	06/04/2025	21:40	PS030500.D	7.77	0.00
TP05-MHH-WCMSD	Q2160-05MSD	06/04/2025	22:04	PS030501.D	7.77	0.00
IBLK	IBLK	06/04/2025	23:40	PS030505.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	00:04	PS030506.D	7.77	0.00
PB168254BL	PB168254BL	06/05/2025	03:17	PS030513.D	7.77	0.00
PB168254BS	PB168254BS	06/05/2025	03:41	PS030514.D	7.77	0.00
IBLK	IBLK	06/05/2025	04:05	PS030515.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	04:29	PS030516.D	7.77	0.00
TP-46	Q2176-01	06/05/2025	05:17	PS030517.D	7.77	0.00
TP-56	Q2176-02	06/05/2025	05:41	PS030518.D	7.77	0.00
TP-25	Q2176-03	06/05/2025	06:05	PS030519.D	7.77	0.00
TP-28	Q2176-05	06/05/2025	06:53	PS030521.D	7.77	0.00
TP-27	Q2176-06	06/05/2025	07:17	PS030522.D	7.77	0.00
TP-31	Q2176-07	06/05/2025	07:41	PS030523.D	7.77	0.00
TP-65	Q2176-08	06/05/2025	08:05	PS030524.D	7.77	0.00
IBLK	IBLK	06/05/2025	08:29	PS030525.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	08:53	PS030526.D	7.77	0.00
IBLK	IBLK	06/05/2025	10:22	PS030528.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	10:46	PS030529.D	7.77	0.00
TP-26	Q2176-04	06/05/2025	13:03	PS030530.D	7.77	0.00
IBLK	IBLK	06/05/2025	14:54	PS030531.D	7.77	0.00
HSTDCCC750	HSTDCCC750	06/05/2025	15:18	PS030532.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168254BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168254BS

Date(s) Analyzed: 06/05/2025 06/05/2025

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	8.27	8.22	8.32	160	1.3
	2	8.70	8.65	8.75	158	
2,4-D	1	8.50	8.45	8.55	160	1.9
	2	9.03	8.98	9.08	163	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	166	2.4
	2	9.94	9.89	9.99	162	
2,4,5-T	1	9.69	9.64	9.74	160	0.6
	2	10.36	10.31	10.41	161	
2,4-DB	1	10.27	10.22	10.32	154	2.6
	2	10.93	10.88	10.98	158	
Dinoseb	1	11.49	11.44	11.54	163	3.1
	2	11.32	11.27	11.37	158	
DICAMBA	1	7.56	7.51	7.61	162	2.5
	2	7.98	7.93	8.03	158	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP05-MHH-WCMS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2160-05MS

Date(s) Analyzed: 06/04/2025 06/04/2025

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	8.27	8.22	8.32	189	1.1
	2	8.70	8.65	8.75	191	
2,4-D	1	8.50	8.45	8.55	234	21.8
	2	9.03	8.98	9.08	188	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	192	2.1
	2	9.94	9.89	9.99	196	
2,4,5-T	1	9.69	9.64	9.74	191	2.1
	2	10.36	10.31	10.41	187	
2,4-DB	1	10.27	10.22	10.32	132	25.2
	2	10.93	10.88	10.98	170	
DICAMBA	1	7.56	7.51	7.61	176	1.7
	2	7.98	7.93	8.03	179	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP05-MHH-WCMSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2176

SAS No.: Q2176 **SDG NO.:** Q2176

Lab Sample ID: Q2160-05MSD

Date(s) Analyzed: 06/04/2025 06/04/2025

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	8.27	8.22	8.32	190	0.5
	2	8.70	8.65	8.75	191	
2,4-D	1	8.50	8.45	8.55	234	22.9
	2	9.03	8.98	9.08	186	
2,4,5-TP(Silvex)	1	9.40	9.35	9.45	192	3.1
	2	9.94	9.89	9.99	198	
2,4,5-T	1	9.69	9.64	9.74	192	2.6
	2	10.36	10.31	10.41	187	
2,4-DB	1	10.27	10.22	10.32	131	24.2
	2	10.93	10.88	10.98	167	
DICAMBA	1	7.56	7.51	7.61	177	2.2
	2	7.98	7.93	8.03	181	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168254BL	SDG No.:	Q2176
Lab Sample ID:	PB168254BL	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
PS030513.D	1	06/03/25 09:00	06/05/25 03:17	PB168254

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	472		10 - 141	94%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030513.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 03:17
 Operator : AR\AJ
 Sample : PB168254BL
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168254BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 05:33:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1641.8E6	507.3E6	434.897	471.631
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Target Compounds

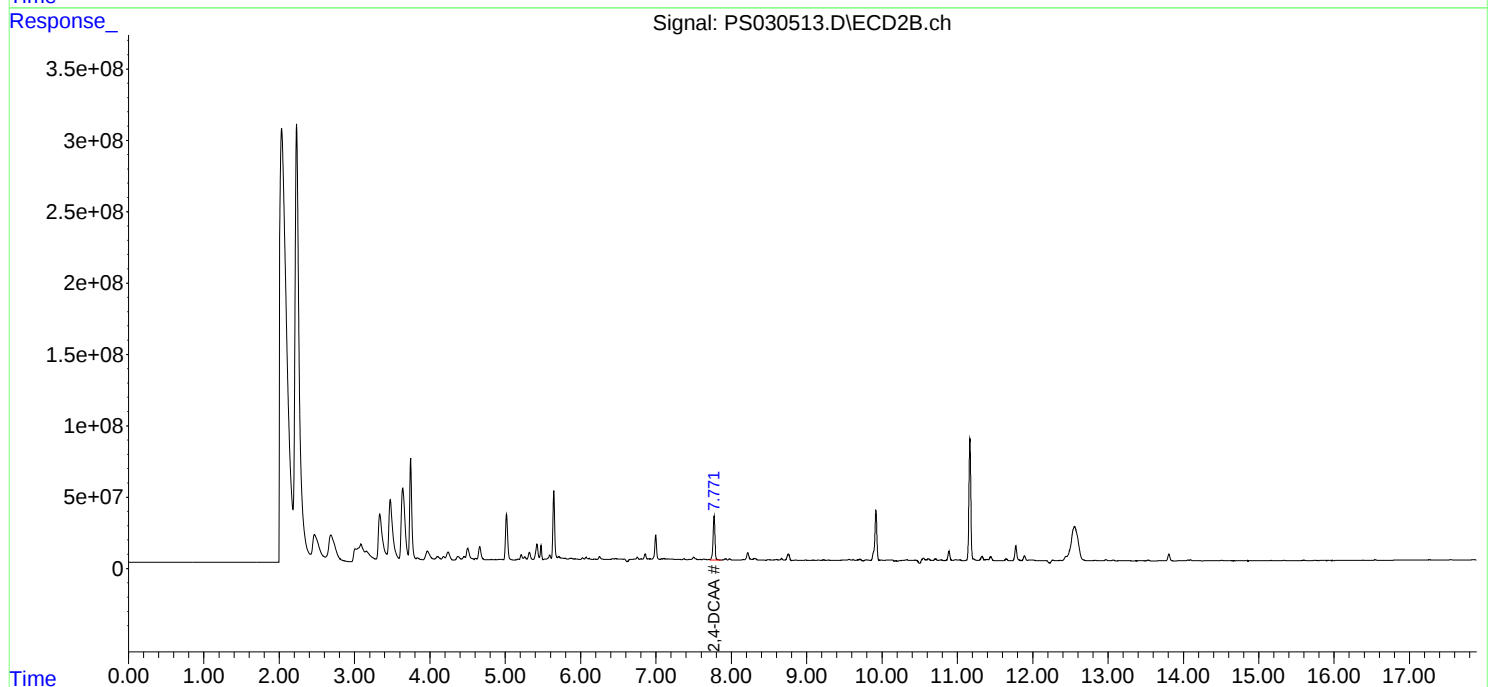
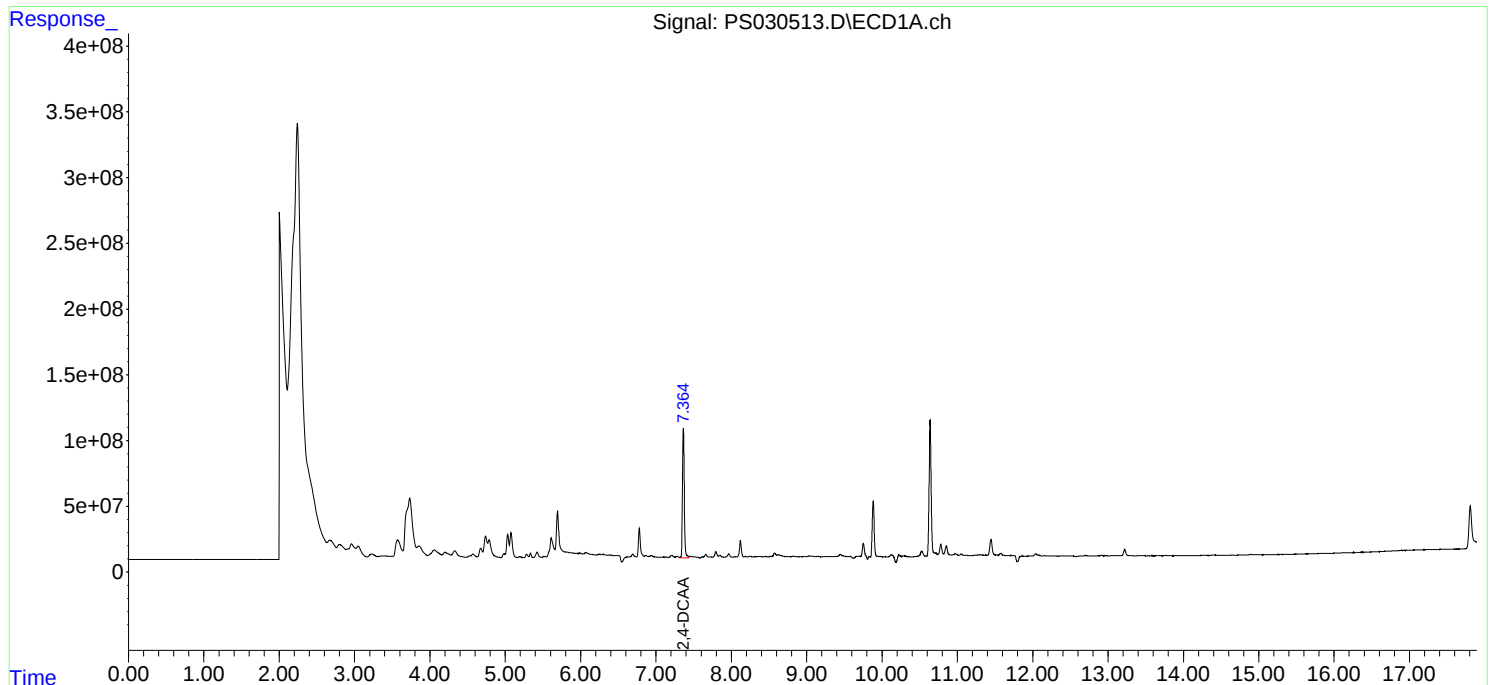
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

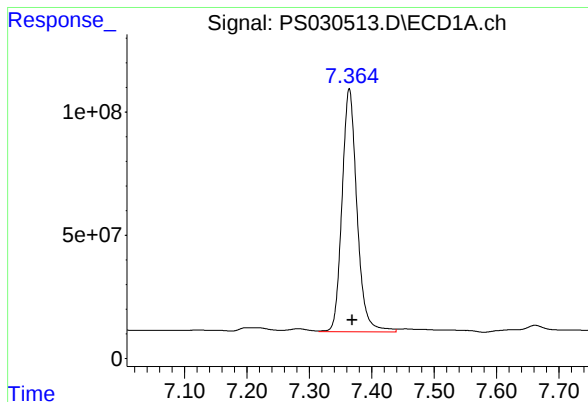
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030513.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:17
Operator : AR\AJ
Sample : PB168254BL
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168254BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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

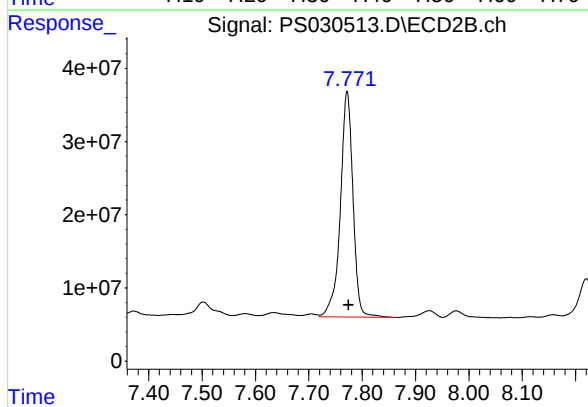




#4 2,4-DCAA

R.T.: 7.364 min
Delta R.T.: -0.005 min
Response: 1641800455
Conc: 434.90 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168254BL



#4 2,4-DCAA

R.T.: 7.772 min
Delta R.T.: -0.003 min
Response: 507291165
Conc: 471.63 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030475.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030475.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
PS030475.D	1		06/04/25	PS060425

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	445		61 - 136	89%	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\PS060425\
 Data File : PS030475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 10:55
 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 04 13:22:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.370	7.773	1564.7E6	478.3E6	414.469	444.721

Target Compounds

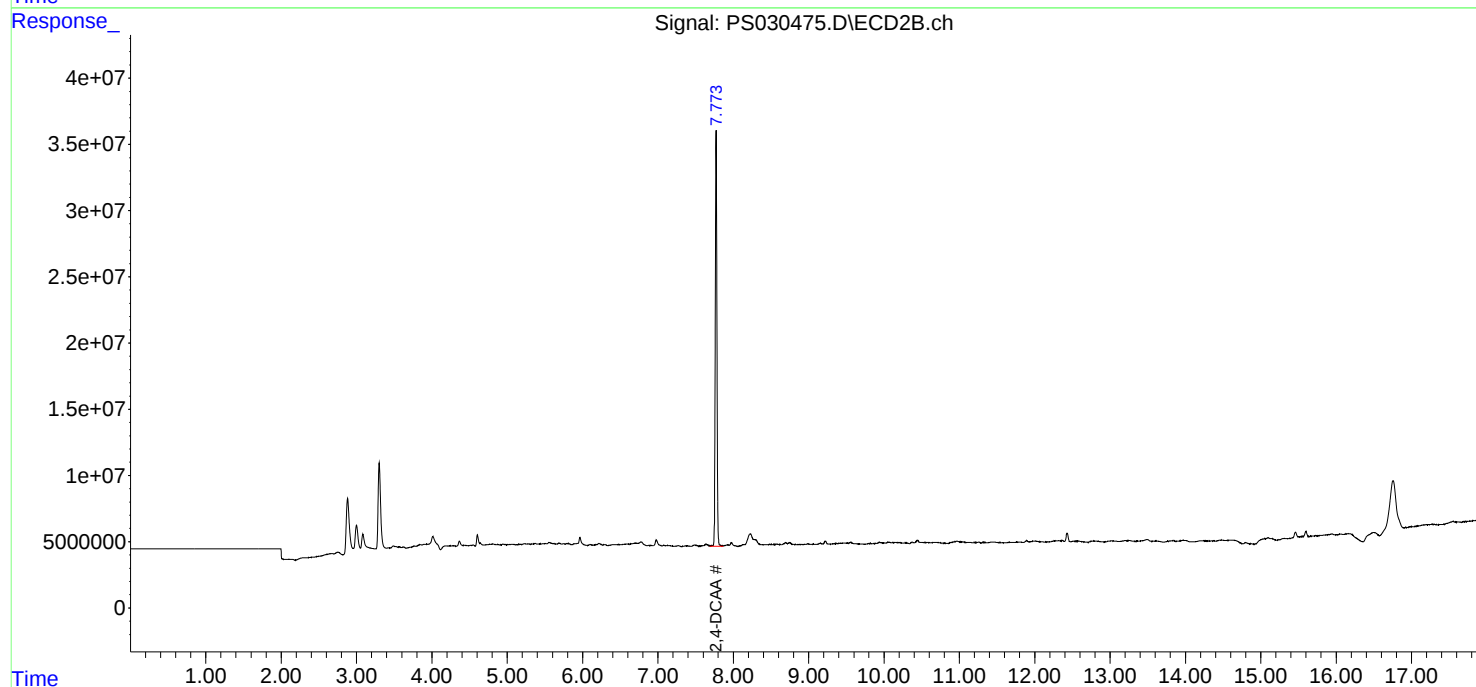
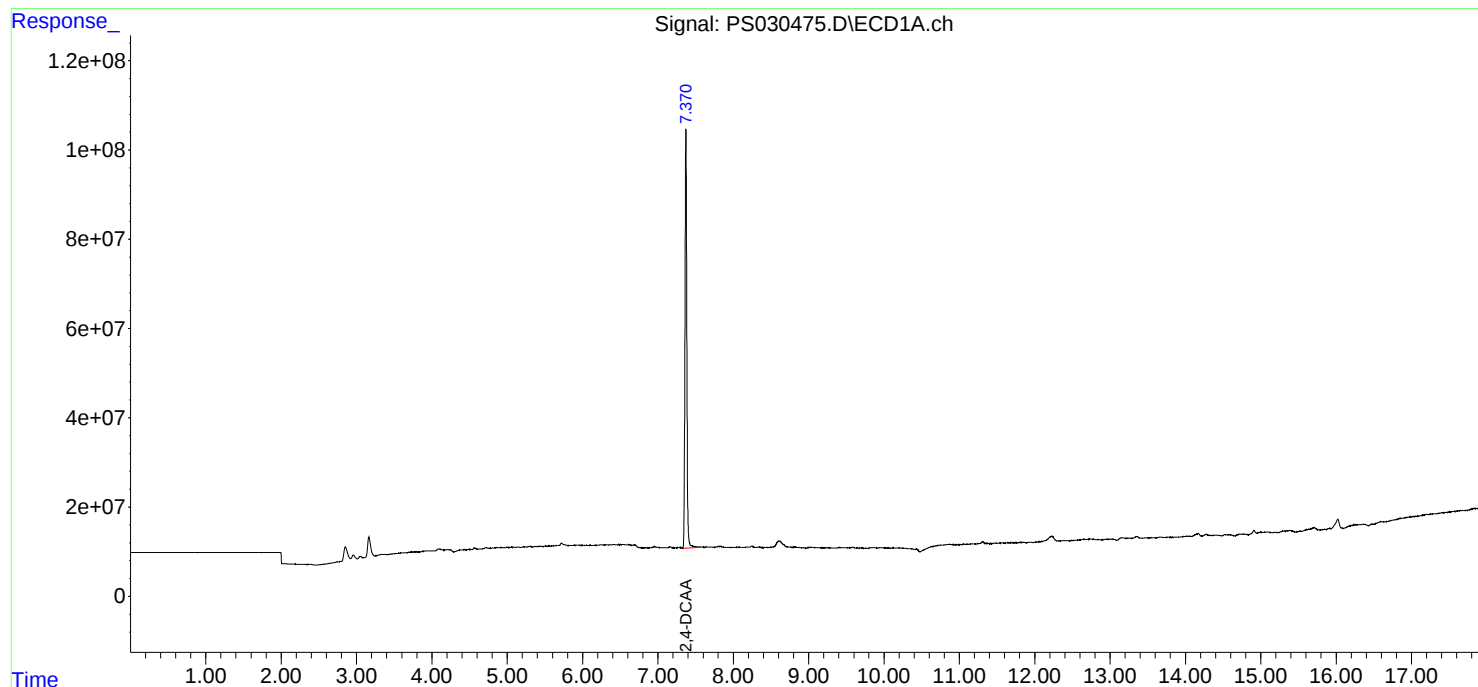
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

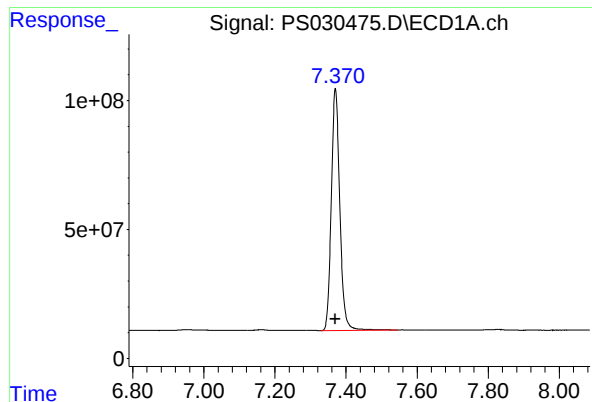
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 10:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 13:22:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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

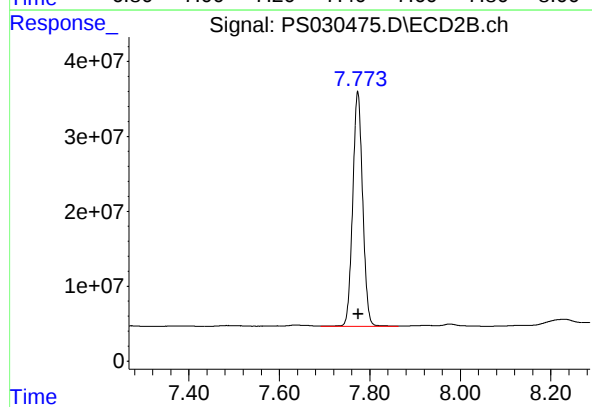




#4 2,4-DCAA

R.T.: 7.370 min
Delta R.T.: 0.001 min
Response: 1564680230
Conc: 414.47 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.773 min
Delta R.T.: -0.001 min
Response: 478346753
Conc: 444.72 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030496.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030496.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
PS030496.D	1		06/04/25	PS060425

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	459		61 - 136	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030496.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 19:39
 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 04 23:02:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.365	7.772	1678.4E6	493.8E6	444.586	459.056

Target Compounds

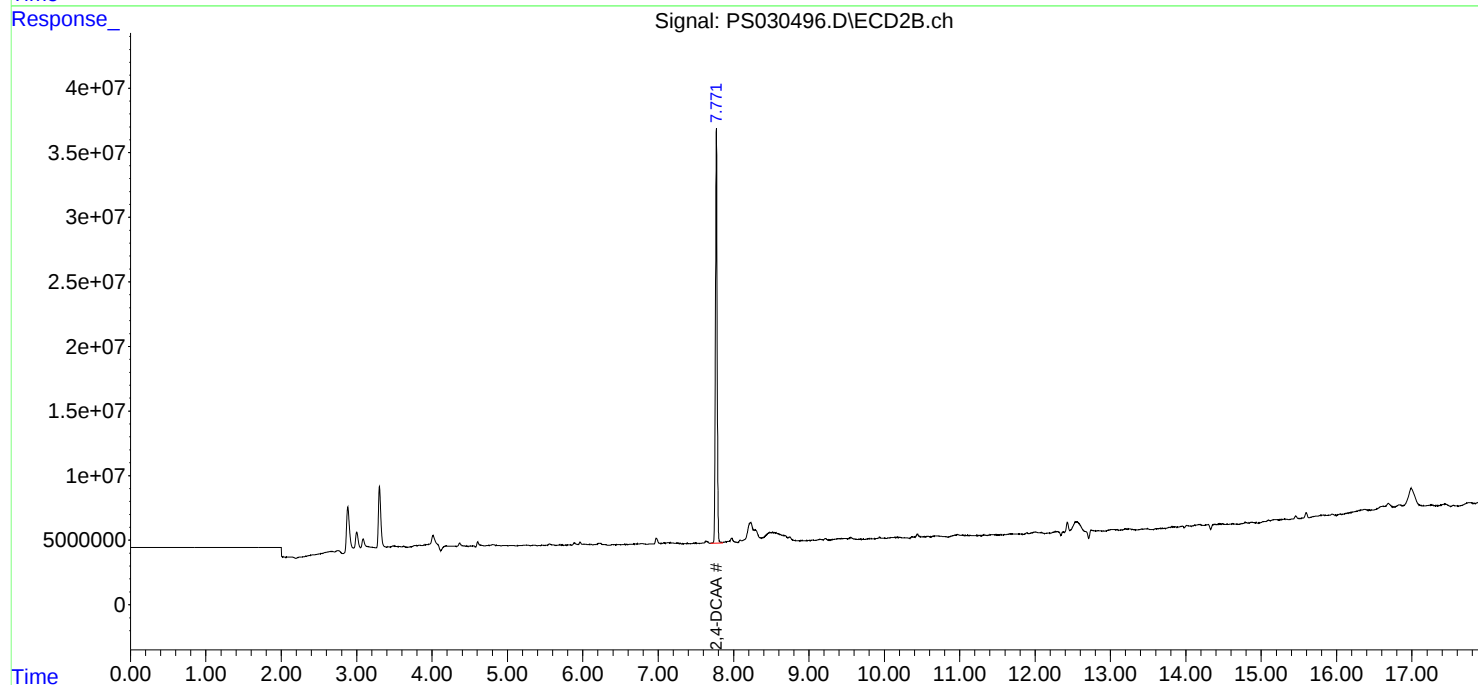
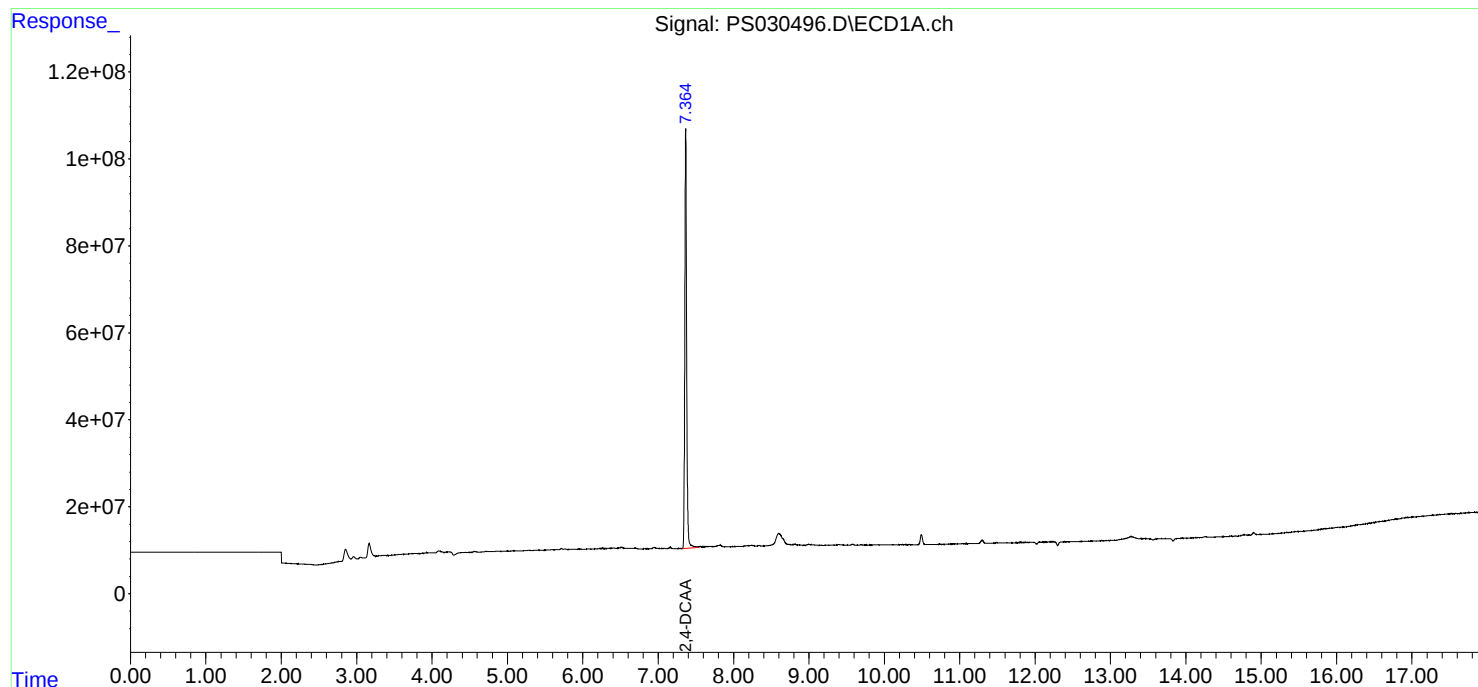
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

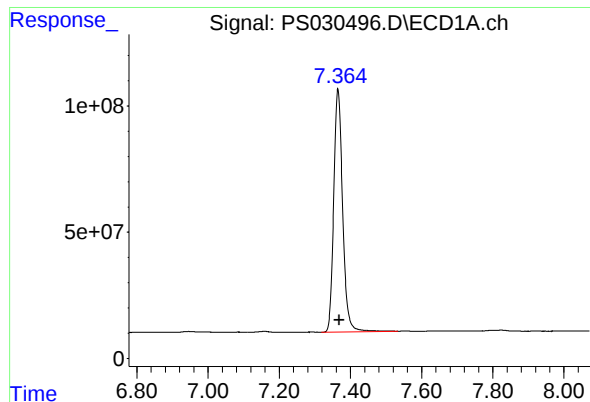
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030496.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 19:39
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 23:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.365 min

Delta R.T.: -0.004 min

Response: 1678375630

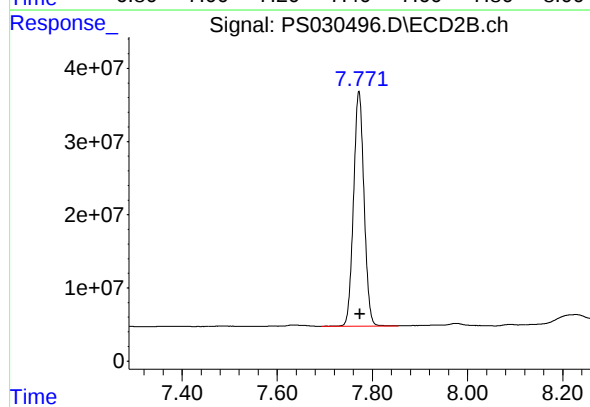
Conc: 444.59 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.772 min

Delta R.T.: -0.003 min

Response: 493765235

Conc: 459.06 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/04/25
Project:	South River WM Replacement	Date Received:	06/04/25
Client Sample ID:	PIBLK-PS030505.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030505.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
PS030505.D	1		06/04/25	ps060425

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	460		61 - 136	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030505.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 23:40
 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 05 01:41:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1669.8E6	494.9E6	442.315	460.072
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Target Compounds

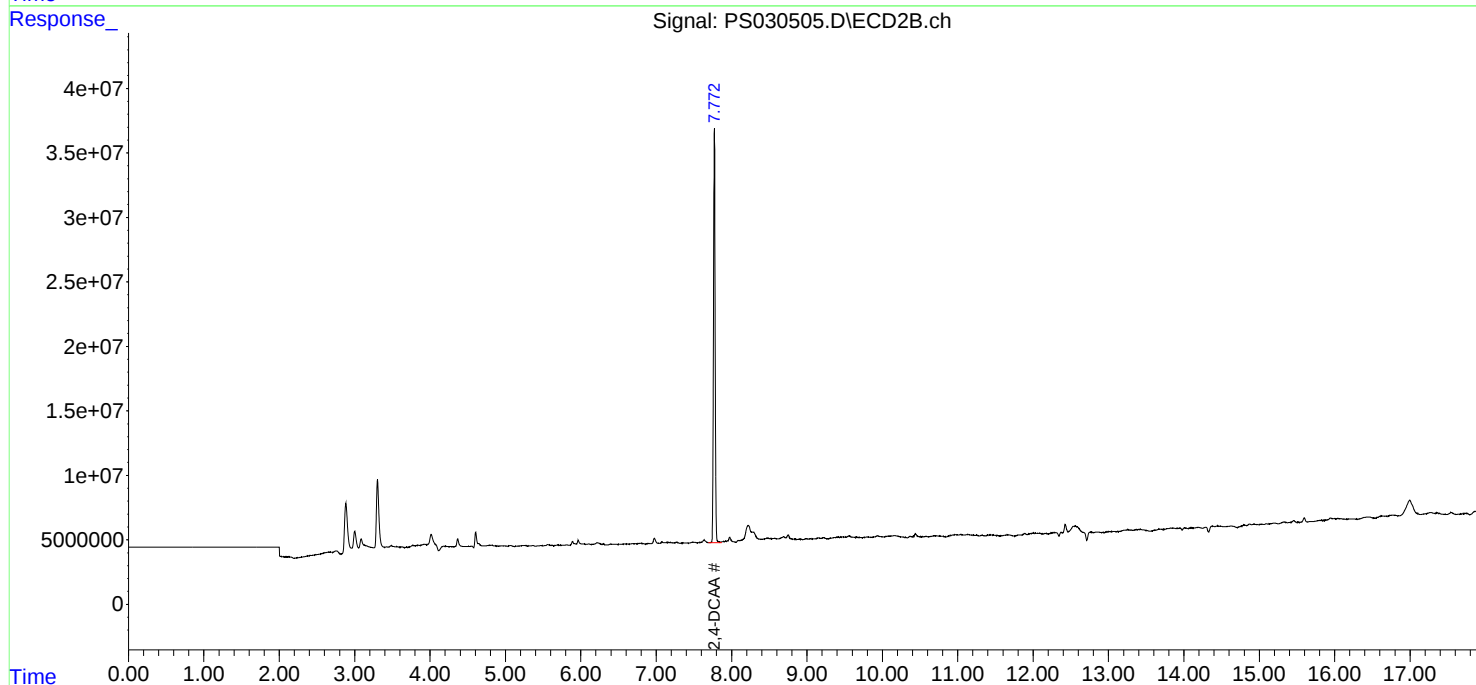
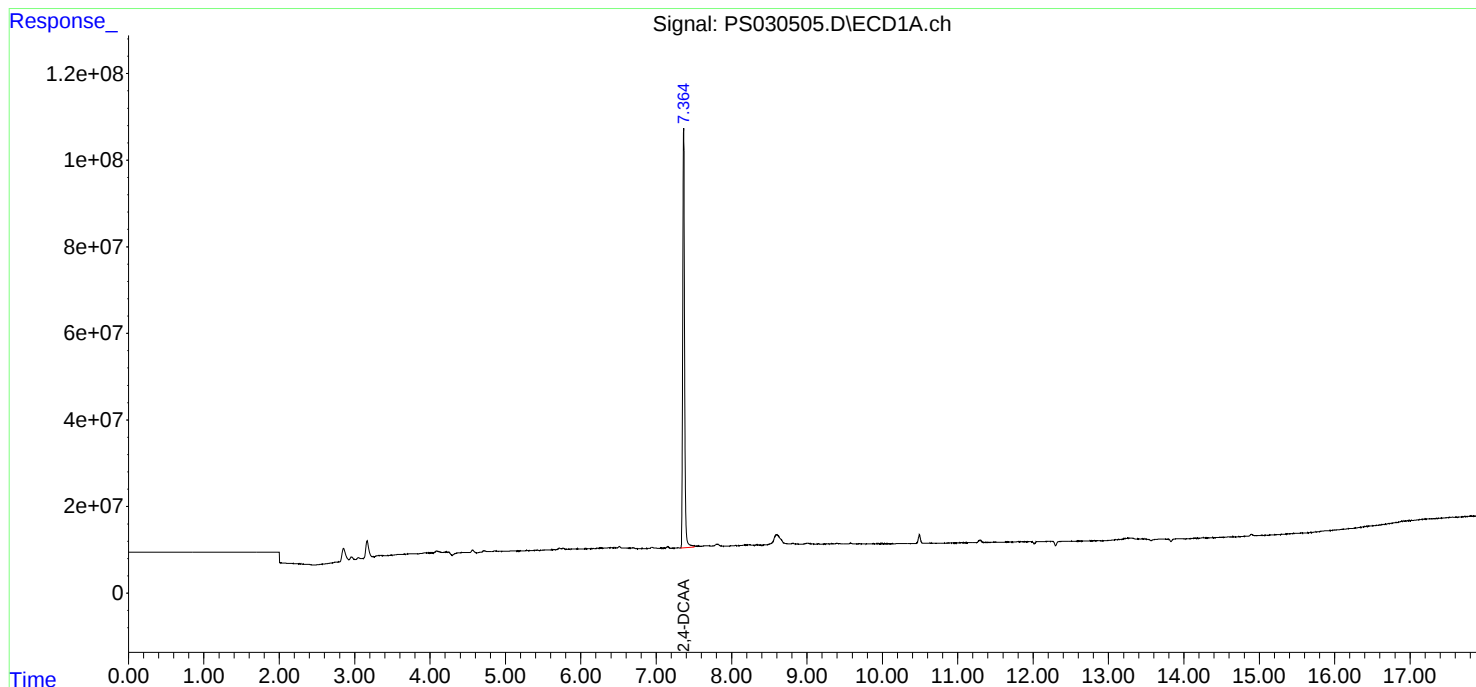
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

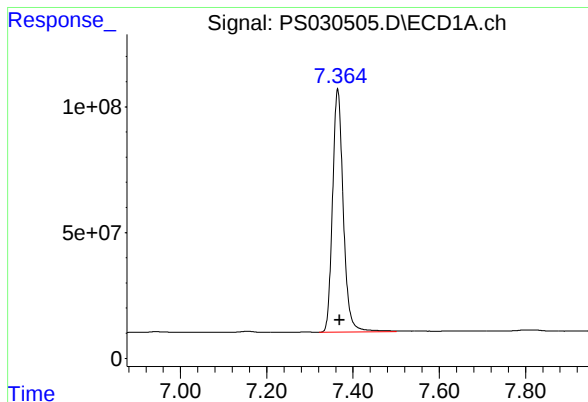
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030505.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 23:40
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:41:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.364 min

Delta R.T.: -0.005 min

Response: 1669804214

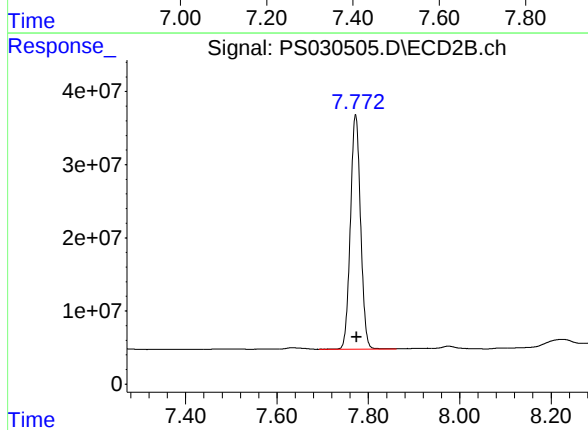
Conc: 442.32 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.772 min

Delta R.T.: -0.002 min

Response: 494858670

Conc: 460.07 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030515.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030515.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
PS030515.D	1		06/05/25	ps060425

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	460		61 - 136	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030515.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 04:05
 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 05 05:33:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.363	7.772	1688.5E6	494.4E6	447.278	459.680
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Target Compounds

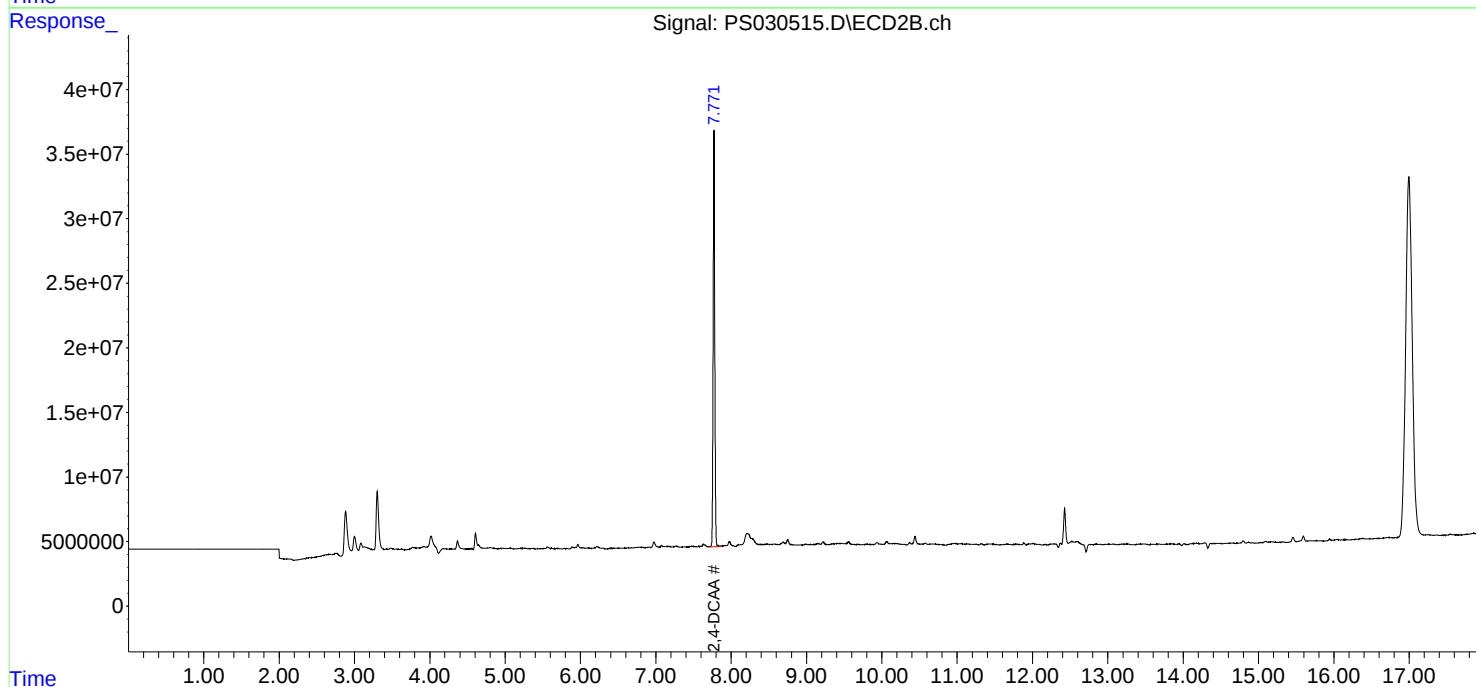
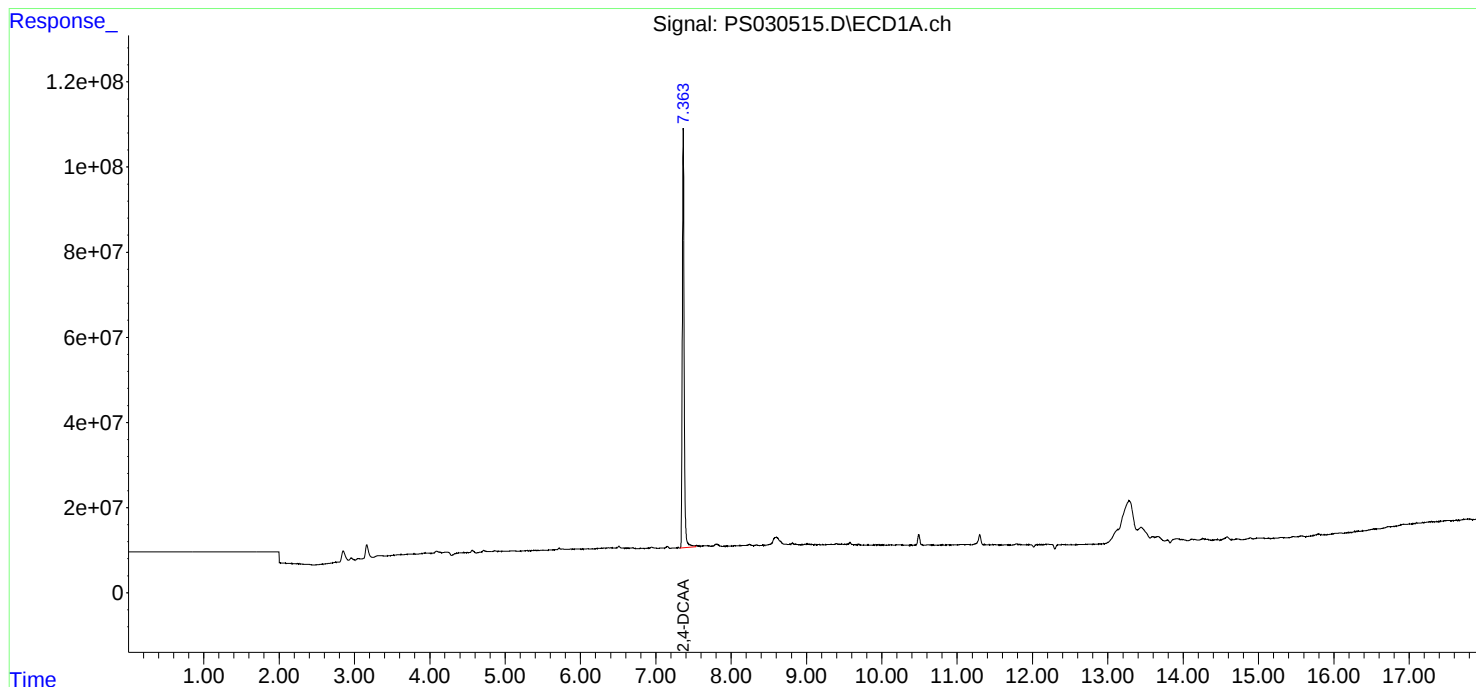
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

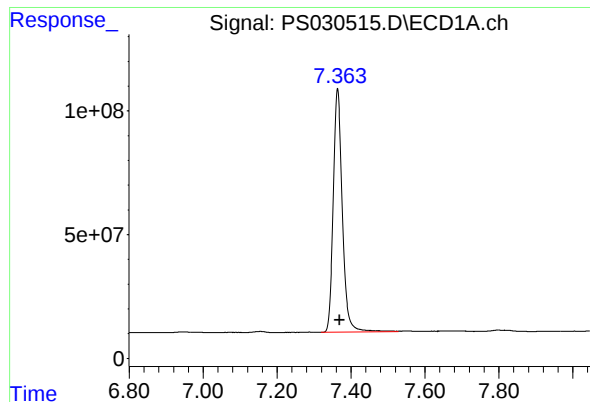
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030515.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 04:05
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.363 min

Delta R.T.: -0.006 min

Response: 1688540451

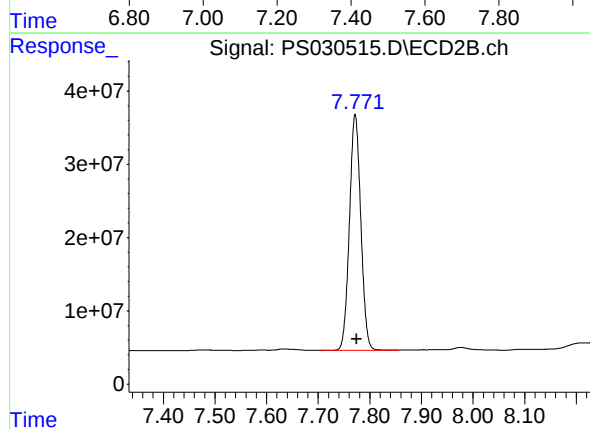
Conc: 447.28 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.772 min

Delta R.T.: -0.003 min

Response: 494436870

Conc: 459.68 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030525.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030525.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
PS030525.D	1		06/05/25	ps060425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	462		61 - 136	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030525.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 08:29
 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 05 09:17:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.770	1686.7E6	497.1E6	446.794	462.183

Target Compounds

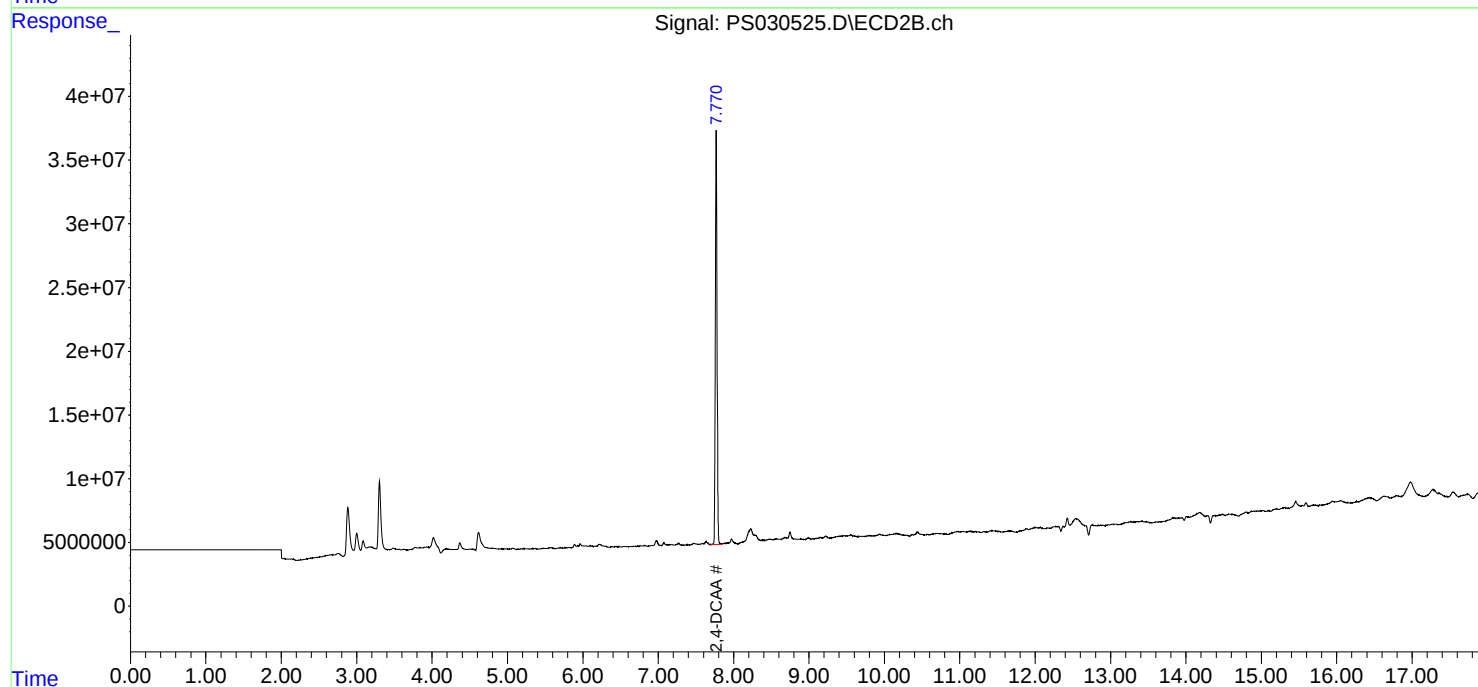
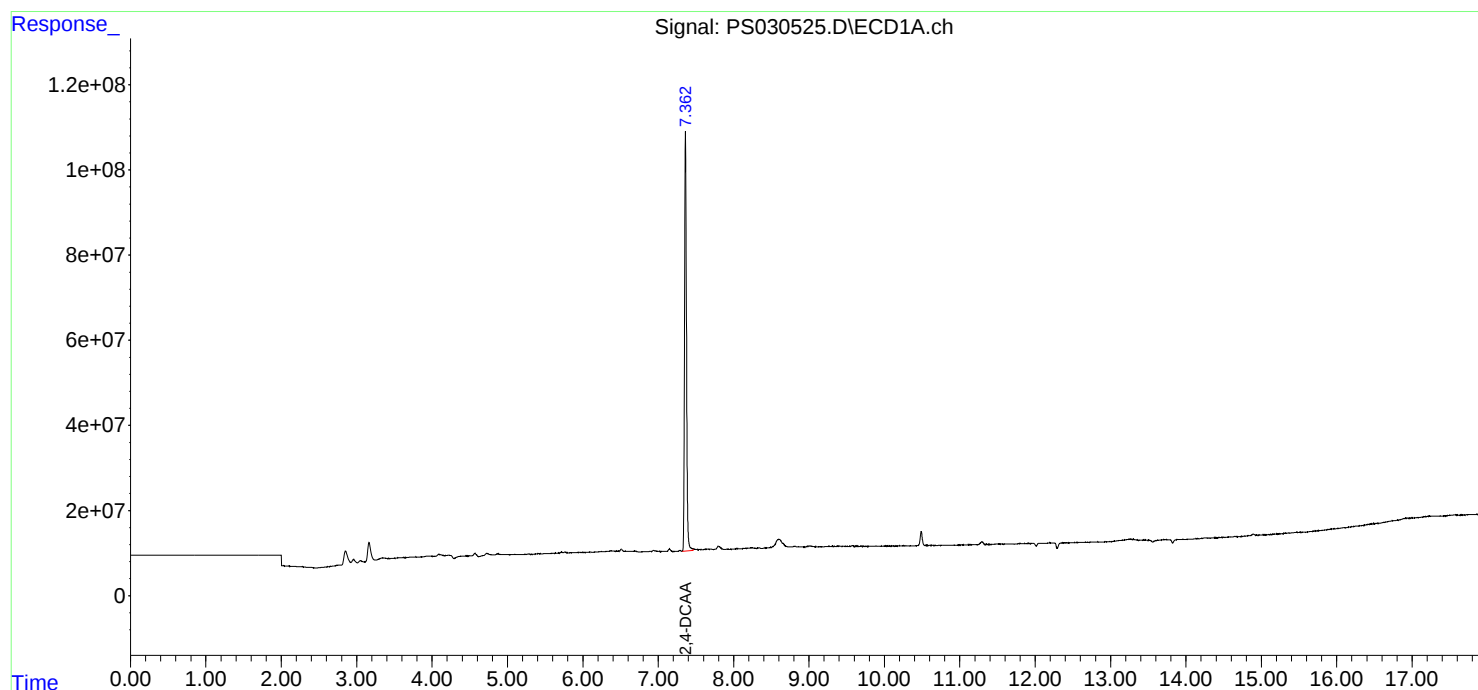
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

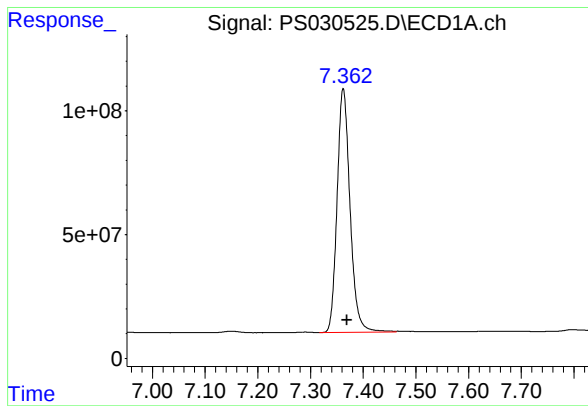
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 08:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 09:17:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.362 min

Delta R.T.: -0.007 min

Response: 1686711821

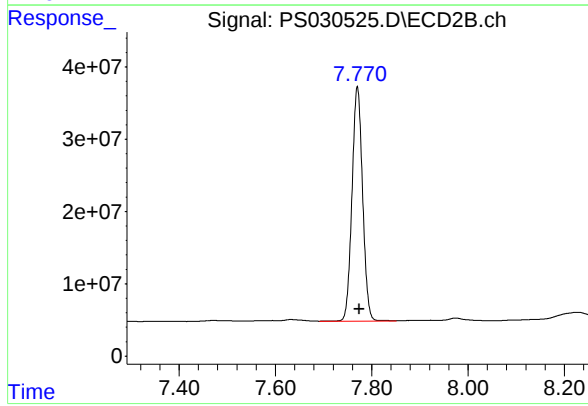
Conc: 446.79 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: -0.004 min

Response: 497128605

Conc: 462.18 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030528.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030528.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
PS030528.D	1		06/05/25	ps060525

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	466		61 - 136	93%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
 Data File : PS030528.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 10:22
 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 06 01:20:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.362	7.770	1689.9E6	501.6E6	447.636	466.362
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Target Compounds

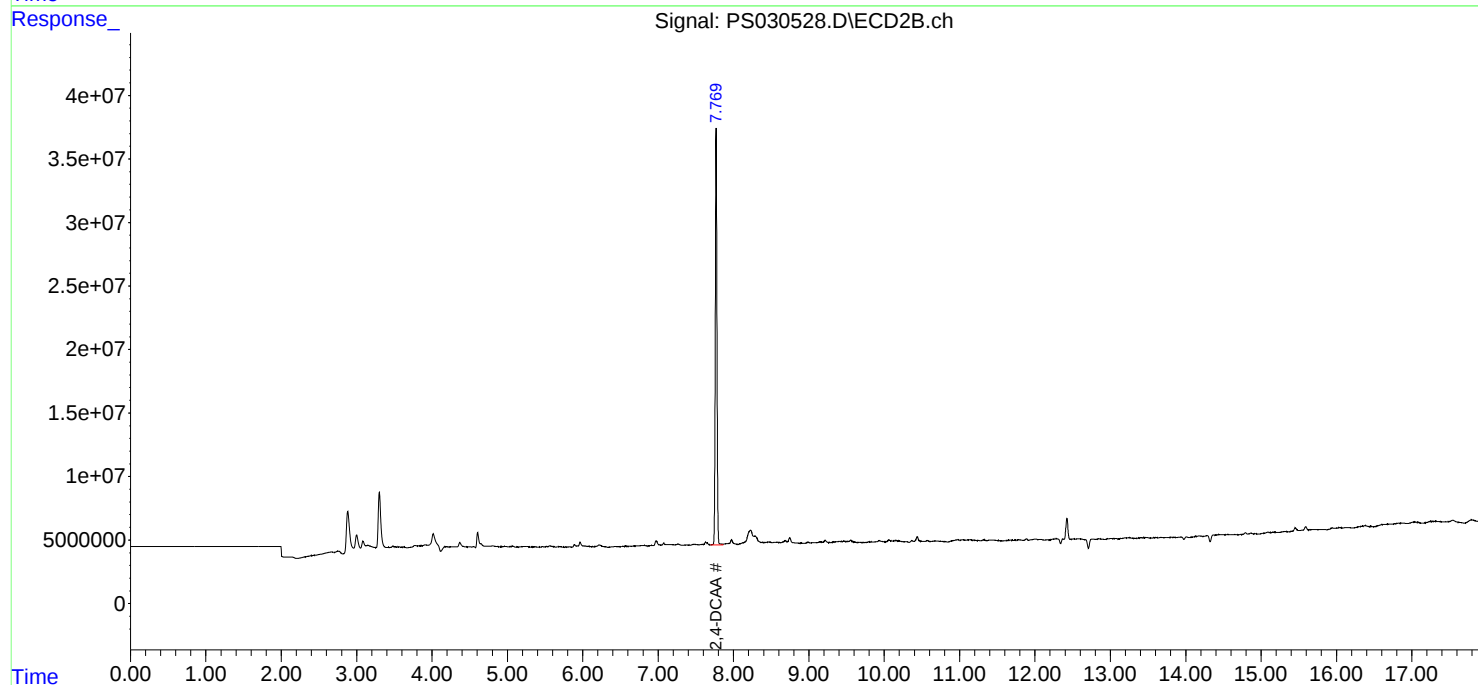
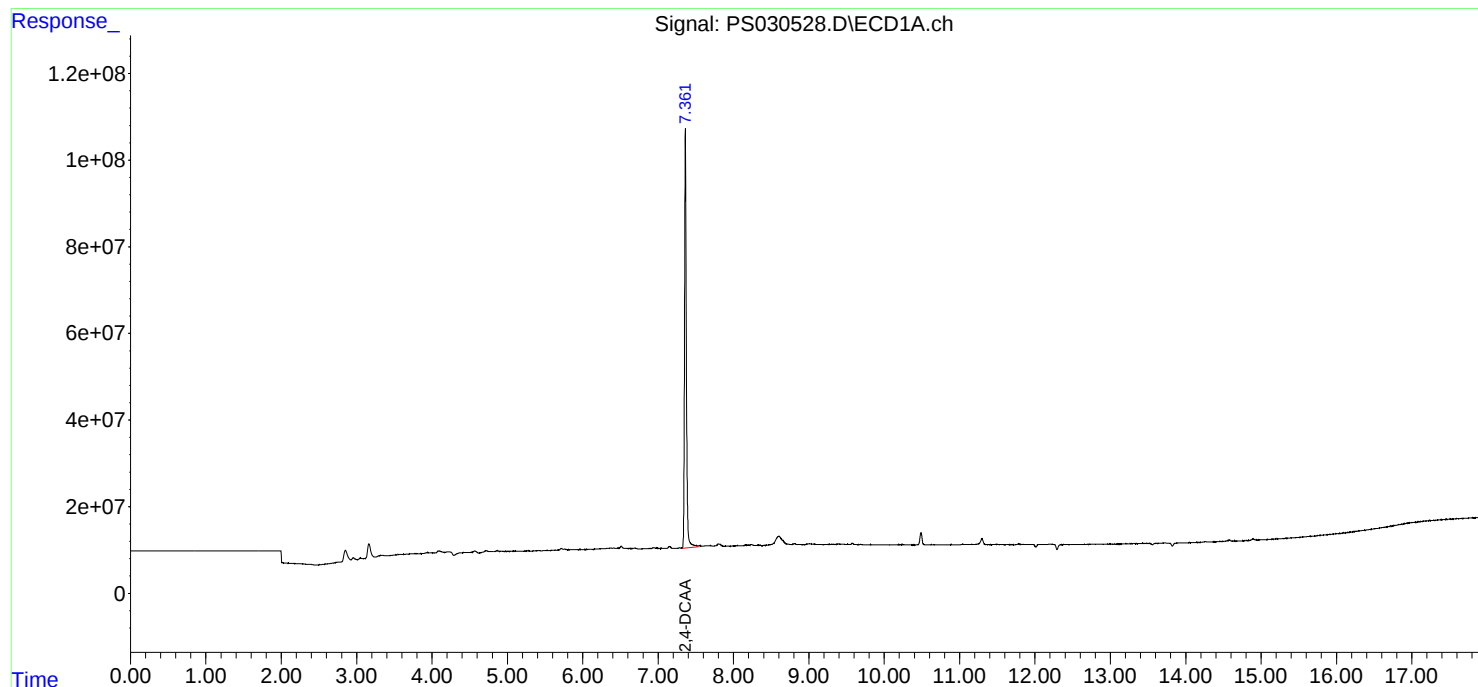
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

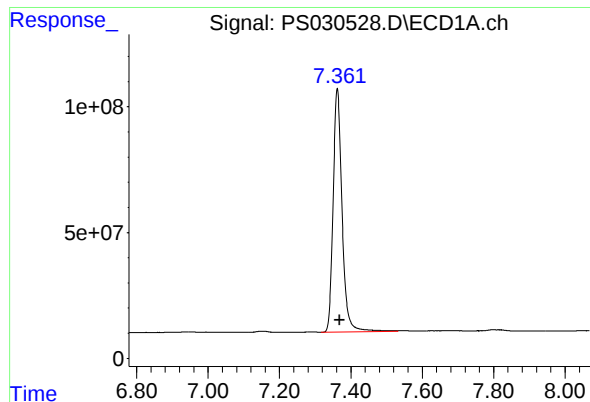
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030528.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 10:22
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.362 min

Delta R.T.: -0.007 min

Response: 1689891699

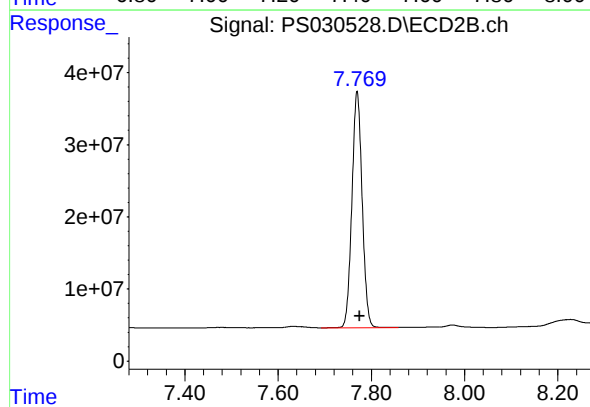
Conc: 447.64 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.770 min

Delta R.T.: -0.005 min

Response: 501623323

Conc: 466.36 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	06/05/25
Project:	South River WM Replacement	Date Received:	06/05/25
Client Sample ID:	PIBLK-PS030531.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PS030531.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
PS030531.D	1		06/05/25	ps060525

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	457		61 - 136	91%	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\PS060525\
Data File : PS030531.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 14:54
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 06 01:20:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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	7.364	7.766	1701.4E6	491.7E6	450.682	457.123
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Target Compounds

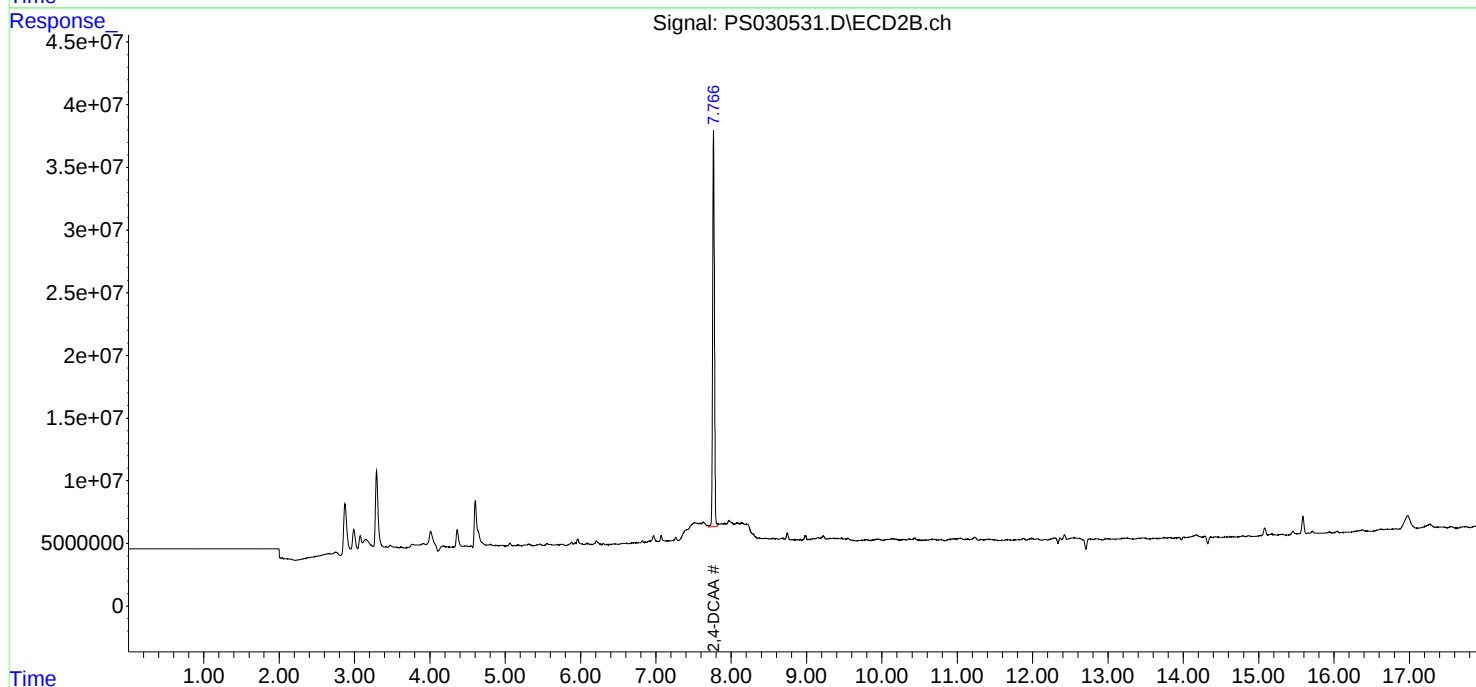
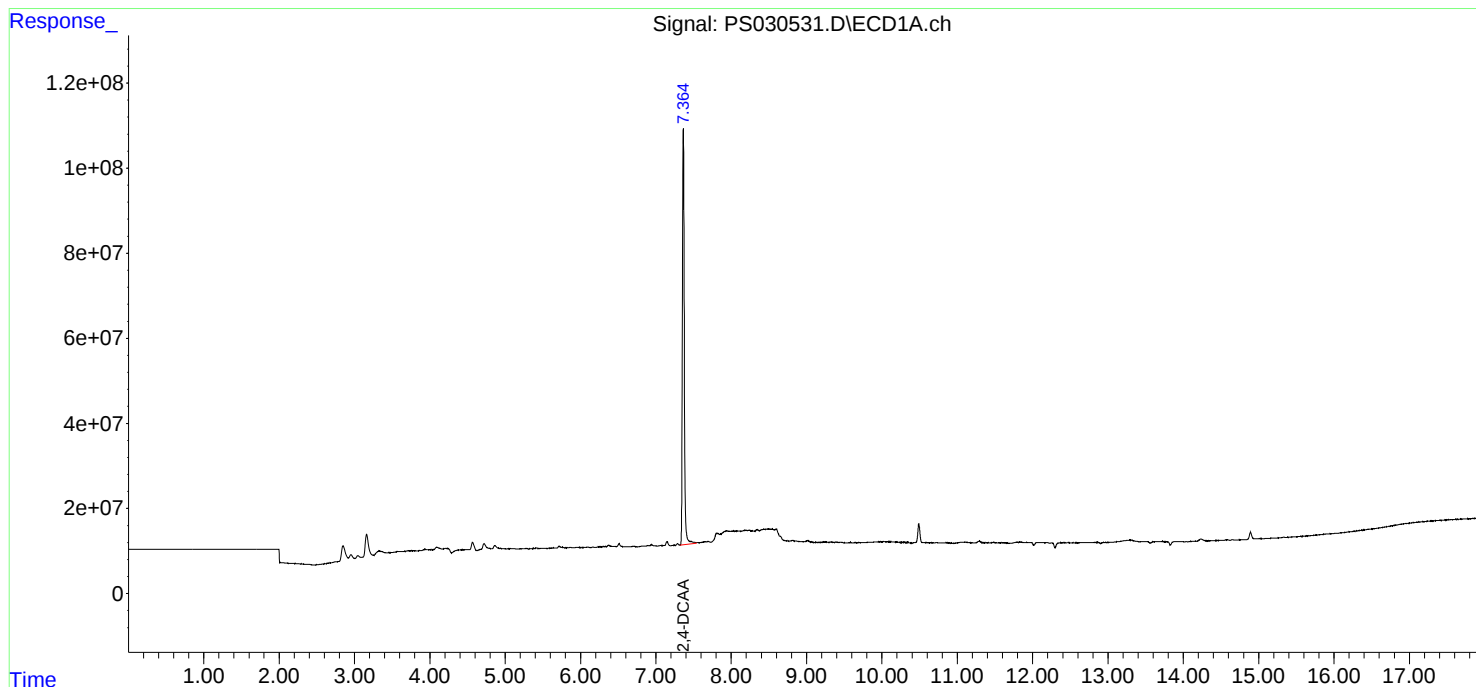
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

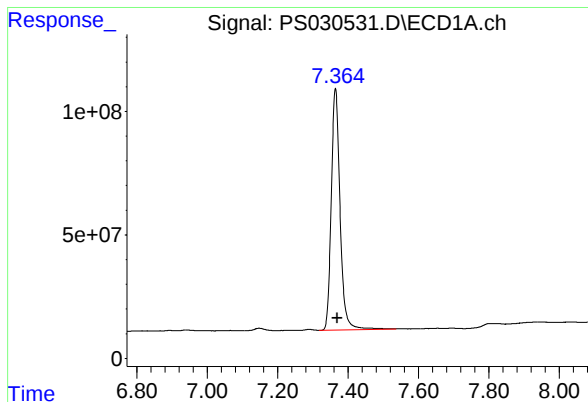
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060525\
Data File : PS030531.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 14:54
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 01:20:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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.: 7.364 min

Delta R.T.: -0.005 min

Response: 1701390672

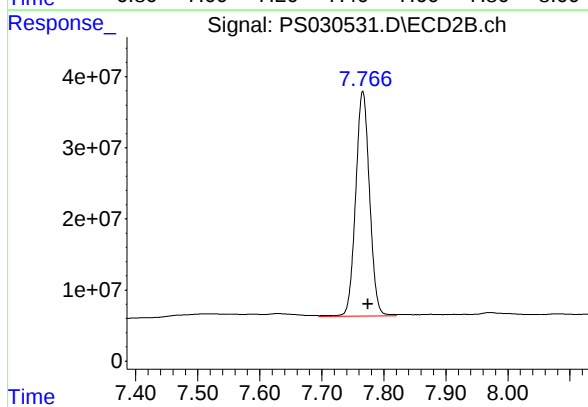
Conc: 450.68 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.766 min

Delta R.T.: -0.008 min

Response: 491685986

Conc: 457.12 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168254BS	SDG No.:	Q2176
Lab Sample ID:	PB168254BS	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
PS030514.D	1	06/03/25 09:00	06/05/25 03:41	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	162		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	160		12.8	67.0	ug/Kg
94-75-7	2,4-D	163		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	166		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	161		8.70	67.0	ug/Kg
94-82-6	2,4-DB	158		24.2	67.0	ug/Kg
88-85-7	DINOSEB	163		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	508		10 - 141	102%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030514.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 03:41
 Operator : AR\AJ
 Sample : PB168254BS
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168254BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 05:33:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.363	7.771	1917.1E6	539.6E6	507.825m	501.682
Target Compounds							
1) T	Dalapon	2.713	2.712	2575.5E6	1215.8E6	456.093	443.712
2) T	3,5-DICHL...	6.520	6.715	2633.6E6	737.5E6	485.335	471.471
3) T	4-Nitroph...	7.162	7.301	854.7E6	716.5E6	466.096	457.163
5) T	DICAMBA	7.555	7.975	7510.3E6	3048.2E6	486.971	473.206
6) T	MCPPE	7.736	8.073	417.0E6	107.5E6	42.101	46.495
7) T	MCPA	7.887	8.322	570.6E6	148.0E6	44.968	47.971m
8) T	DICHLORPROP	8.272	8.695	1751.3E6	704.8E6	481.374	474.893
9) T	2,4-D	8.504	9.031	1746.2E6	770.9E6	479.248	490.288
10) T	Pentachlo...	8.813	9.558	27296.4E6	17991.6E6	537.476	497.857
11) T	2,4,5-TP ...	9.396	9.938	10291.7E6	6657.5E6	498.023	485.356
12) T	2,4,5-T	9.689	10.364	8859.1E6	6307.7E6	480.663	483.082
13) T	2,4-DB	10.269	10.932	1399.8E6	545.0E6	461.005	474.085
14) T	DINOSEB	11.492	11.317	7035.5E6	4758.3E6	489.428	473.460
15) T	Picloram	11.298	12.424	8717.7E6	10022.9E6	435.781m	453.858m
16) T	DCPA	11.787	12.362	13539.5E6	10004.0E6	512.084	488.882

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030514.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 03:41
Operator : AR\AJ
Sample : PB168254BS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168254BS

Manual Integrations

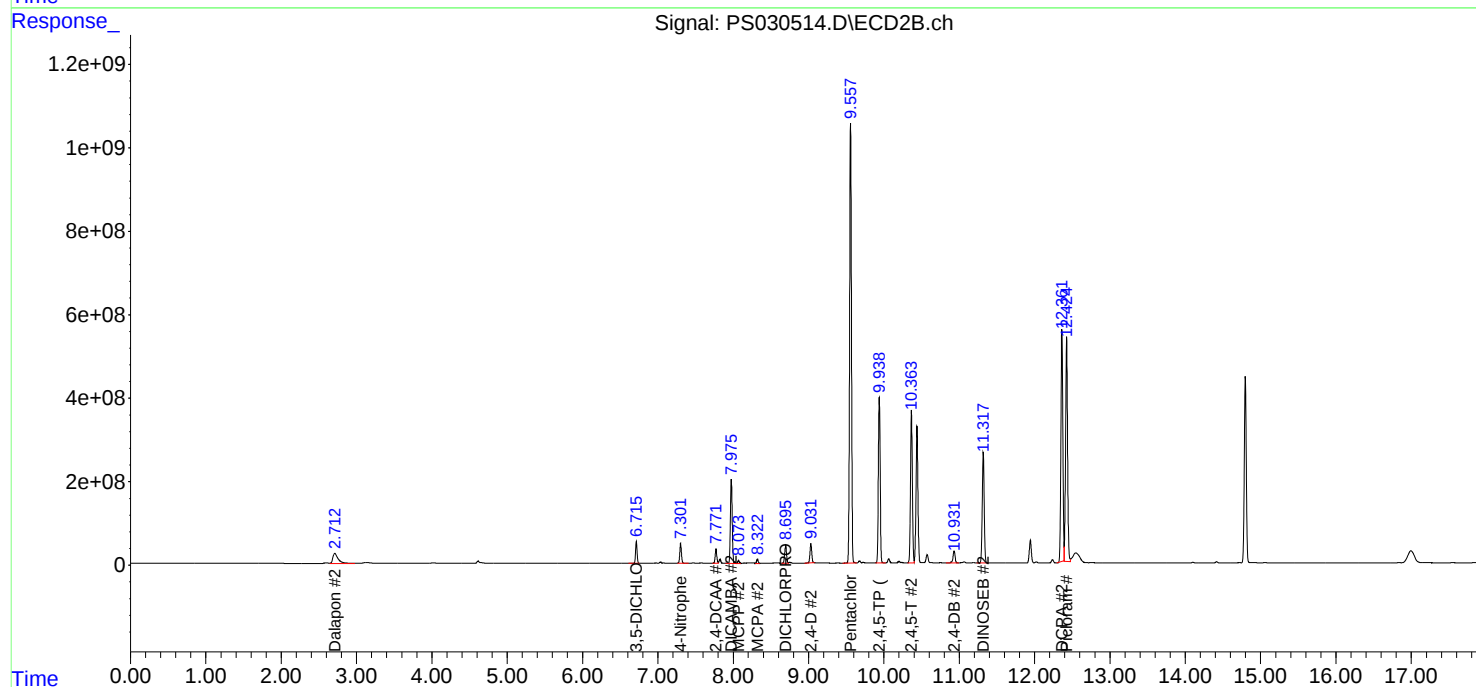
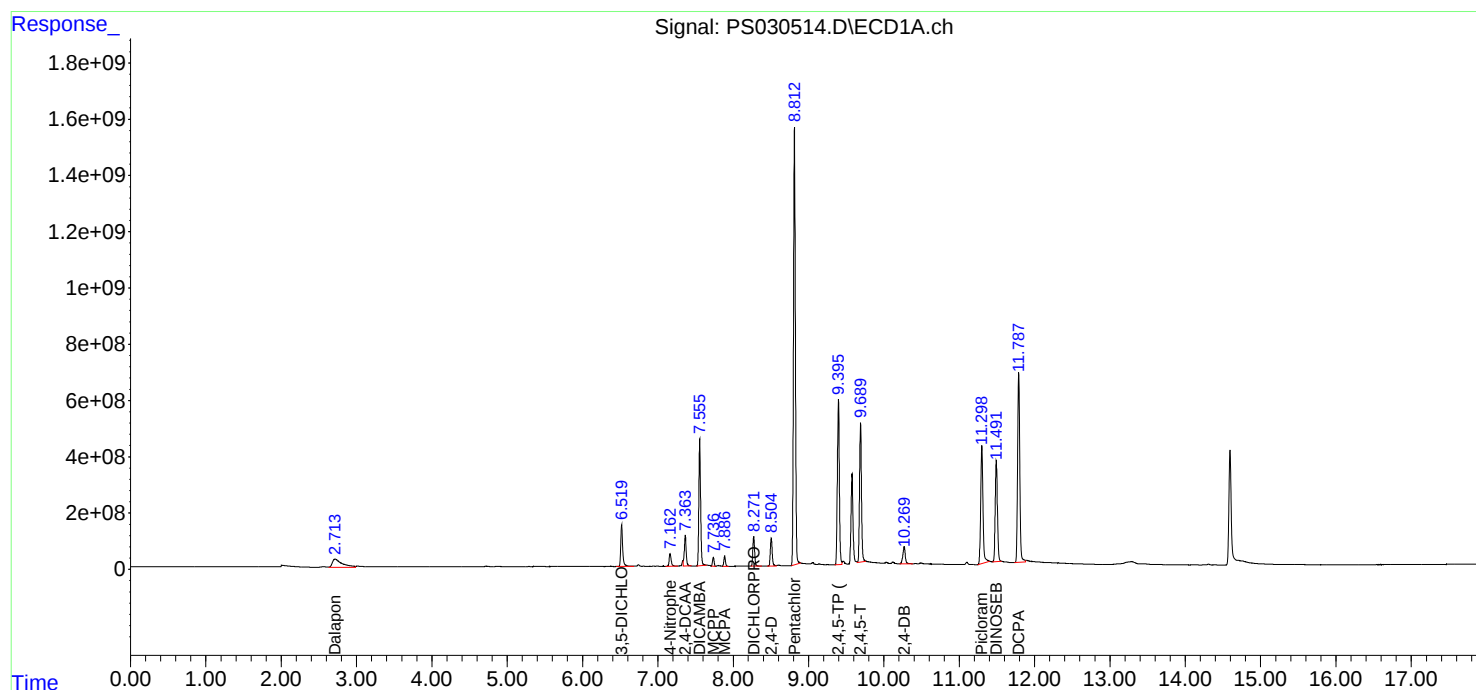
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 05:33:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHH-WCMS	SDG No.:	Q2176
Lab Sample ID:	Q2160-05MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.6
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
PS030500.D	1	06/03/25 09:00	06/04/25 21:40	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	179		9.40	81.0	ug/Kg
120-36-5	DICHLORPROP	191		15.5	81.0	ug/Kg
94-75-7	2,4-D	234		10.9	81.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	196		11.0	81.0	ug/Kg
93-76-5	2,4,5-T	191		10.5	81.0	ug/Kg
94-82-6	2,4-DB	170		29.2	81.0	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	494		10 - 141	99%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030500.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 21:40
 Operator : AR\AJ
 Sample : Q2160-05MS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP05-MHH-WCMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/05/2025
 Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:40:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1865.9E6	515.9E6	494.252	479.671
Target Compounds						
1) T Dalapon	2.713	2.708	849.6E6	2205.7E6	150.445m	805.005 #
2) T 3,5-DICHL...	6.520	6.715	2594.1E6	750.4E6	478.053m	479.713
3) T 4-Nitroph...	7.157	7.328	29934048	85435033	16.324	54.513m#
5) T DICAMBA	7.556	7.975	6739.4E6	2864.7E6	436.984	444.720
6) T MCPP	7.737	8.074	363.5E6	84868532	36.703	36.714
7) T MCPA	7.888	8.321	538.3E6	107.5E6	42.423	34.846
8) T DICHLORPROP	8.272	8.695	1704.7E6	703.9E6	468.565	474.269
9) T 2,4-D	8.504	9.031	2112.1E6	732.5E6	579.665	465.892
10) T Pentachlo...	8.814	9.558	16591.6E6	10957.8E6	326.695	303.221
11) T 2,4,5-TP ...	9.397	9.938	9843.9E6	6686.3E6	476.353	487.459
12) T 2,4,5-T	9.691	10.364	8745.3E6	6050.9E6	474.486	463.417
13) T 2,4-DB	10.271	10.932	998.1E6	485.8E6	328.728m	422.643 #
15) T Picloram	11.300	12.426	7291.4E6	7978.3E6	364.482	361.274
16) T DCPA	11.788	12.362	10100.5E6	9418.0E6	382.015	460.245

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030500.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 21:40
Operator : AR\AJ
Sample : Q2160-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP05-MHH-WCMS

Manual Integrations

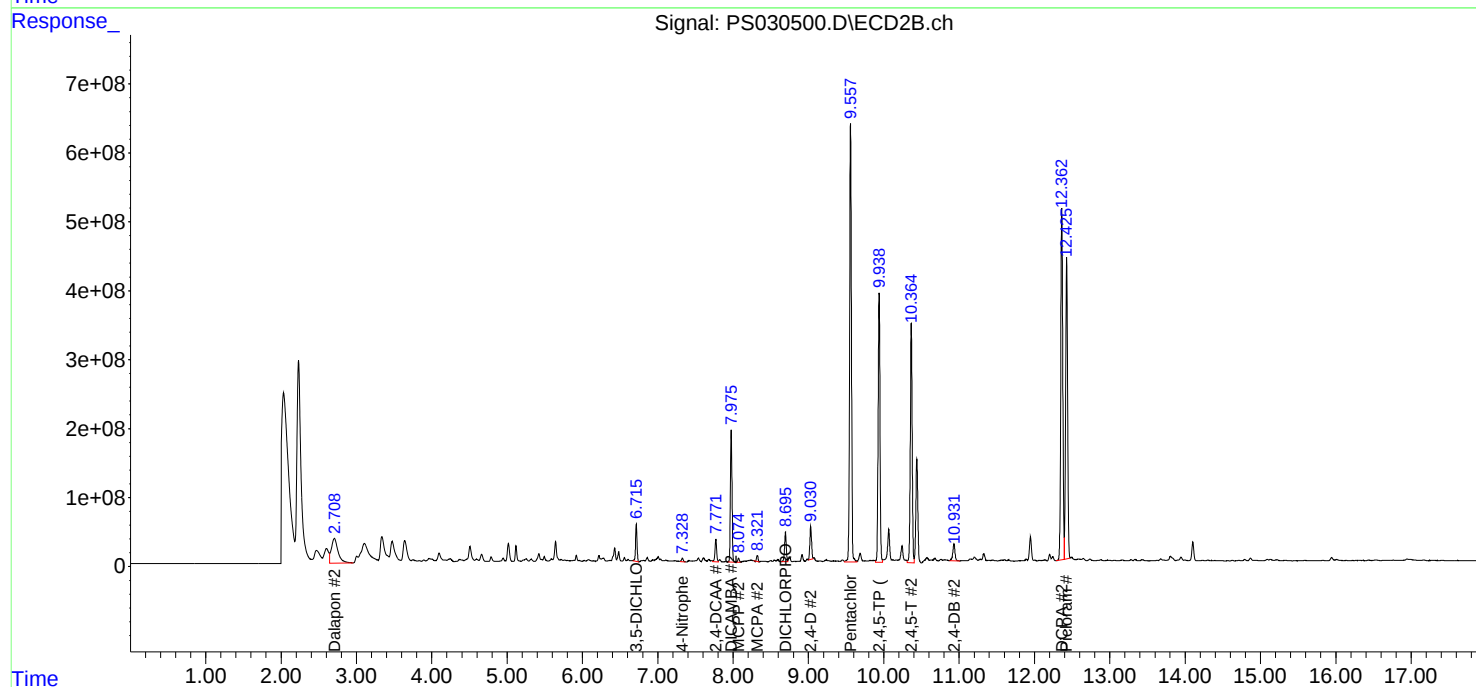
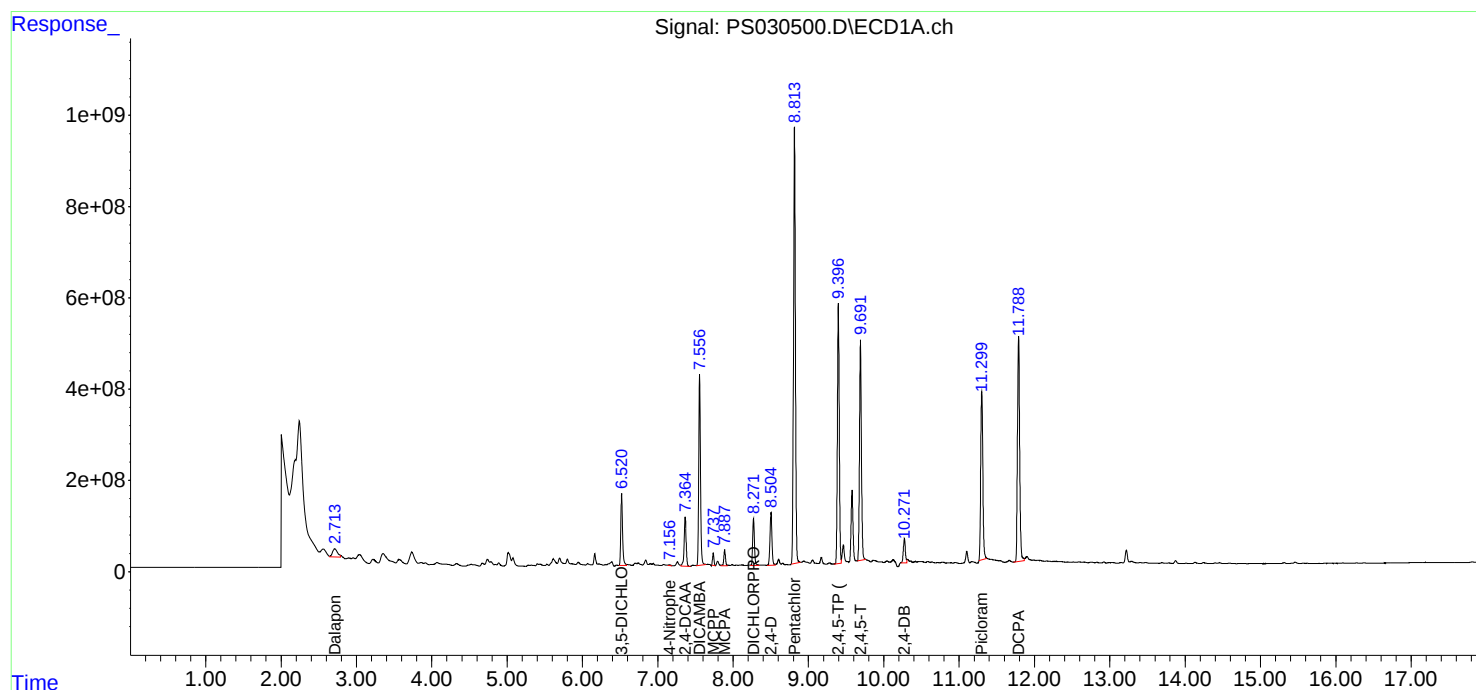
APPROVED

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 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



Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/29/25
Client Sample ID:	TP05-MHH-WCMSD	SDG No.:	Q2176
Lab Sample ID:	Q2160-05MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82.6
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
PS030501.D	1	06/03/25 09:00	06/04/25 22:04	PB168254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	181		9.40	81.1	ug/Kg
120-36-5	DICHLORPROP	191		15.5	81.1	ug/Kg
94-75-7	2,4-D	234		10.9	81.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	198		11.0	81.1	ug/Kg
93-76-5	2,4,5-T	192		10.5	81.1	ug/Kg
94-82-6	2,4-DB	167		29.3	81.1	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	499		10 - 141	100%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
 Data File : PS030501.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 22:04
 Operator : AR\AJ
 Sample : Q2160-05MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

TP05-MHH-WCMSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:40:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
 Quant Title : 8080.M
 QLast Update : Wed Jun 04 13:21:22 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	7.364	7.772	1870.9E6	537.0E6	495.570	499.206
Target Compounds							
1) T	Dalapon	2.714	2.708	789.7E6	2181.2E6	139.850m	796.048 #
2) T	3,5-DICHL...	6.521	6.715	2592.3E6	750.7E6	477.727	479.937m
5) T	DICAMBA	7.556	7.976	6785.5E6	2887.1E6	439.974	448.192
6) T	MCPD	7.737	8.074	366.7E6	84188413	37.019	36.420
7) T	MCPA	7.888	8.322	522.2E6	133.8E6	41.152	43.367m
8) T	DICHLORPROP	8.272	8.696	1709.9E6	703.0E6	470.005	473.627
9) T	2,4-D	8.504	9.032	2109.0E6	723.8E6	578.809	460.361
10) T	Pentachlo...	8.814	9.558	15725.0E6	10388.5E6	309.631	287.468
11) T	2,4,5-TP ...	9.397	9.939	9824.0E6	6716.2E6	475.390	489.635
12) T	2,4,5-T	9.692	10.364	8767.2E6	6068.0E6	475.673	464.725
13) T	2,4-DB	10.272	10.932	989.4E6	476.8E6	325.862m	414.755 #
15) T	Picloram	11.299	12.426	7289.1E6	7986.4E6	364.368	361.638
16) T	DCPA	11.787	12.363	10185.4E6	9458.4E6	385.226	462.220

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS060425\
Data File : PS030501.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 22:04
Operator : AR\AJ
Sample : Q2160-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

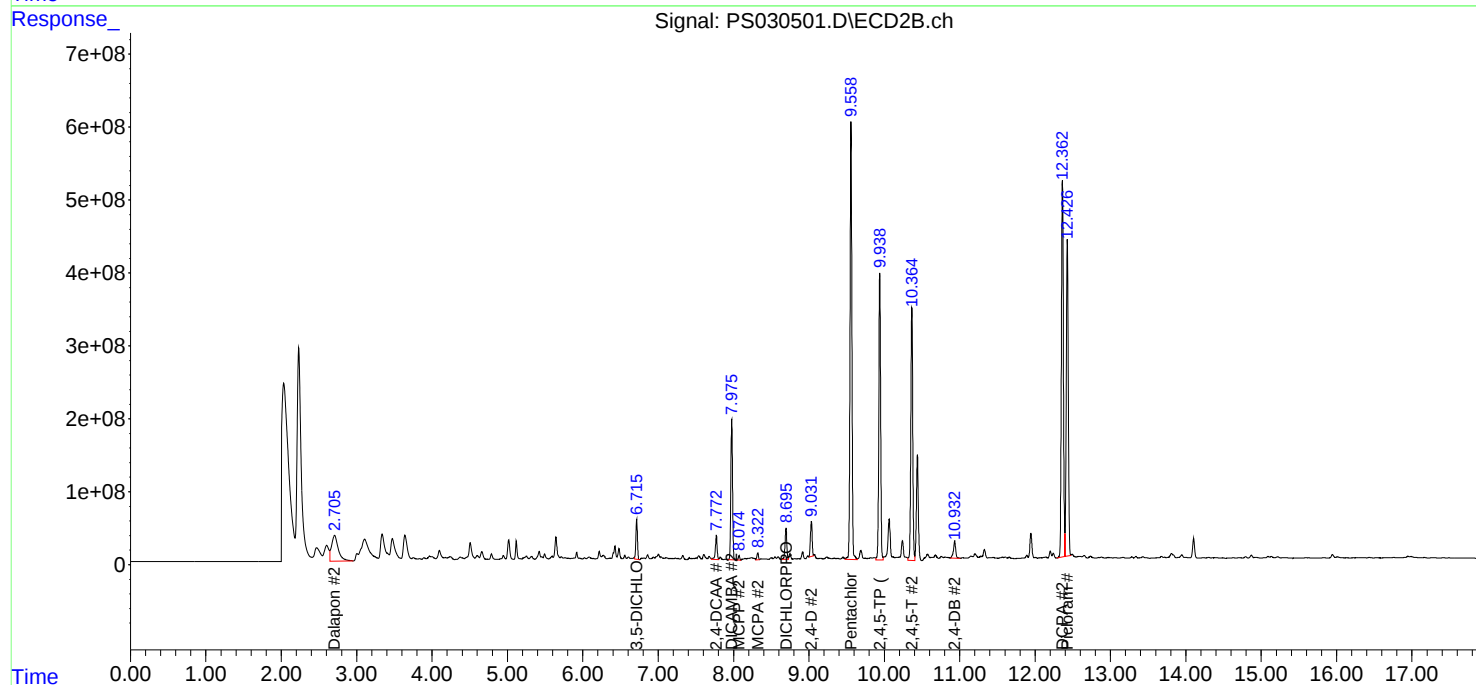
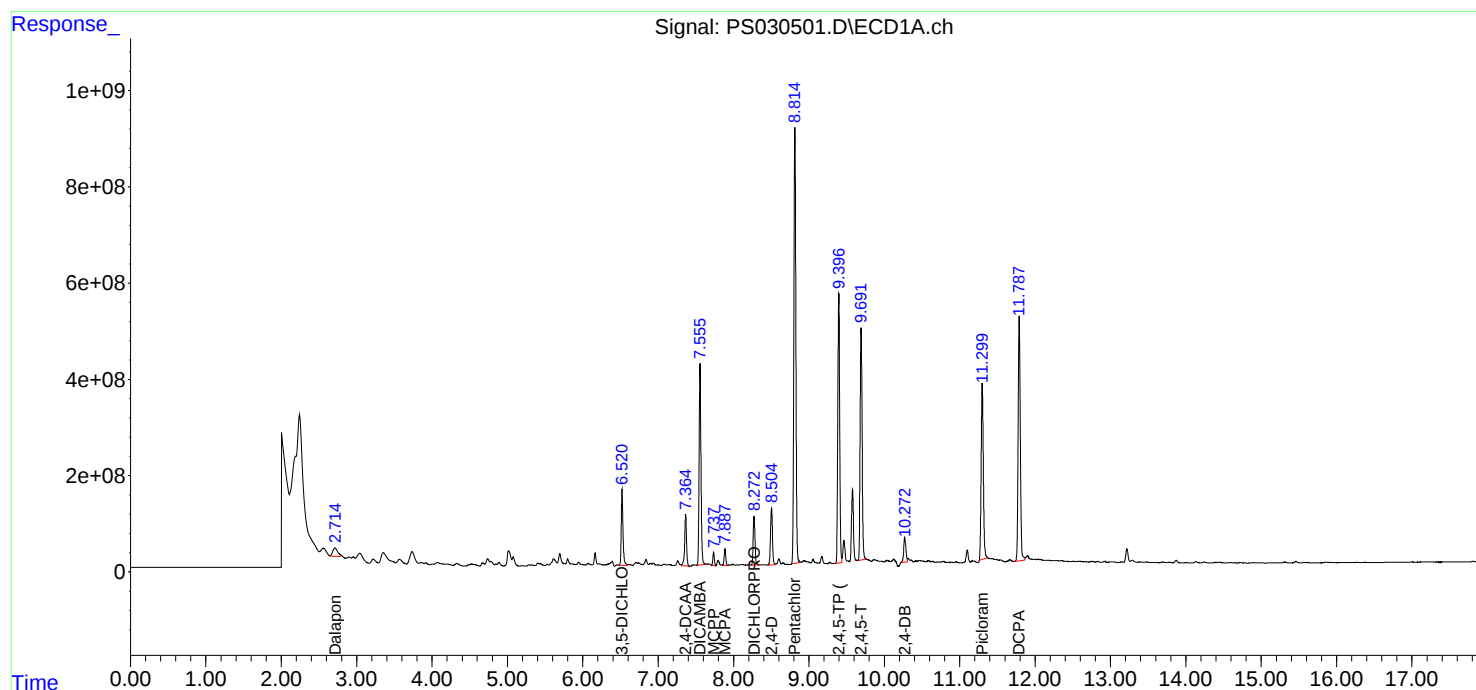
Instrument :
ECD_S
ClientSampleId :
TP05-MHH-WCMSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/05/2025
Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:40:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS060425.M
Quant Title : 8080.M
QLast Update : Wed Jun 04 13:21:22 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



Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030476.D	2,4-DCAA	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC200	PS030476.D	MCPA #2	Abdul	6/5/2025 8:32:30 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC500	PS030477.D	2,4-DCAA	Abdul	6/5/2025 8:32:34 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC750	PS030478.D	2,4-DCAA	Abdul	6/5/2025 8:32:37 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1000	PS030479.D	2,4-DCAA	Abdul	6/5/2025 8:32:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	2,4-DCAA	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICC1500	PS030480.D	MCPA #2	Abdul	6/5/2025 8:32:44 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDICV750	PS030481.D	2,4-DCAA	Abdul	6/5/2025 8:32:48 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	2,4-DCAA	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030483.D	MCPA #2	Abdul	6/5/2025 8:32:51 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DB #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	2,4-DCAA	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030489.D	MCPA #2	Abdul	6/5/2025 8:33:07 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030497.D	2,4-DCAA	Abdul	6/5/2025 3:53:26 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	2,4-DB	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	3,5-DICHLOROBENZOI C ACID	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	4-Nitrophenol #2	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MS	PS030500.D	Dalapon	Abdul	6/5/2025 11:55:29 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	2,4-DB	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	Dalapon	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2160-05MSD	PS030501.D	MCPA #2	Abdul	6/5/2025 11:55:33 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030506.D	2,4-DCAA	Abdul	6/5/2025 11:55:40 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	2,4-DCAA	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	MCPA #2	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
PB168254BS	PS030514.D	Picloram	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software

Manual Integration Report

Sequence:	PS060425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168254BS	PS030514.D	Picloram #2	Abdul	6/5/2025 3:54:09 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-D #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	2,4-DCAA	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	MCPA #2	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030516.D	Picloram	Abdul	6/5/2025 3:54:14 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2176-02	PS030518.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:00 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2176-06	PS030522.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:05 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
Q2176-07	PS030523.D	2,4-DCAA #2	Abdul	6/5/2025 11:56:09 AM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-D #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	2,4-DCAA	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	D CPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	MCPA #2	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software
HSTDCCC750	PS030526.D	Picloram	Abdul	6/5/2025 3:54:18 PM	mohammad	6/6/2025 2:02:33	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PS060425

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

ps060525

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030529.D	2,4-DCAA	Abdul	6/6/2025 10:20:44 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030529.D	DCPA #2	Abdul	6/6/2025 10:20:44 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030529.D	MCPP	Abdul	6/6/2025 10:20:44 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030529.D	Picloram	Abdul	6/6/2025 10:20:44 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030532.D	2,4-DCAA	Abdul	6/6/2025 10:20:51 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030532.D	DCPA #2	Abdul	6/6/2025 10:20:51 AM	 	 	Peak Integrated by Software
HSTDCCC750	PS030532.D	Picloram	Abdul	6/6/2025 10:20:51 AM	 	 	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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	PS030474.D	04 Jun 2025 10:31	AR\AJ	Ok
2	I.BLK	PS030475.D	04 Jun 2025 10:55	AR\AJ	Ok
3	HSTDICC200	PS030476.D	04 Jun 2025 11:19	AR\AJ	Ok,M
4	HSTDICC500	PS030477.D	04 Jun 2025 11:43	AR\AJ	Ok,M
5	HSTDICC750	PS030478.D	04 Jun 2025 12:07	AR\AJ	Ok,M
6	HSTDICC1000	PS030479.D	04 Jun 2025 12:31	AR\AJ	Ok,M
7	HSTDICC1500	PS030480.D	04 Jun 2025 12:55	AR\AJ	Ok,M
8	HSTDICV750	PS030481.D	04 Jun 2025 13:35	AR\AJ	Ok,M
9	I.BLK	PS030482.D	04 Jun 2025 13:59	AR\AJ	Ok
10	HSTDCCC750	PS030483.D	04 Jun 2025 14:23	AR\AJ	Ok,M
11	PB168207BL	PS030484.D	04 Jun 2025 14:47	AR\AJ	Ok
12	PB168207BS	PS030485.D	04 Jun 2025 15:12	AR\AJ	Ok,M
13	Q1872-17	PS030486.D	04 Jun 2025 15:36	AR\AJ	Dilution
14	Q1872-17DL	PS030487.D	04 Jun 2025 16:00	AR\AJ	Ok,M
15	I.BLK	PS030488.D	04 Jun 2025 16:26	AR\AJ	Ok
16	HSTDCCC750	PS030489.D	04 Jun 2025 16:50	AR\AJ	Ok,M
17	Q2159-01	PS030490.D	04 Jun 2025 17:14	AR\AJ	Ok
18	Q2160-01	PS030491.D	04 Jun 2025 17:38	AR\AJ	Ok
19	Q2160-05	PS030492.D	04 Jun 2025 18:02	AR\AJ	Ok
20	Q2173-06	PS030493.D	04 Jun 2025 18:26	AR\AJ	Ok,M
21	Q2173-12	PS030494.D	04 Jun 2025 18:51	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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	Q2173-18	PS030495.D	04 Jun 2025 19:15	AR\AJ	Ok,M
23	I.BLK	PS030496.D	04 Jun 2025 19:39	AR\AJ	Ok
24	HSTDCCC750	PS030497.D	04 Jun 2025 20:03	AR\AJ	Ok,M
25	Q2173-06MS	PS030498.D	04 Jun 2025 20:51	AR\AJ	Ok,M
26	Q2173-06MSD	PS030499.D	04 Jun 2025 21:15	AR\AJ	Ok,M
27	Q2160-05MS	PS030500.D	04 Jun 2025 21:40	AR\AJ	Ok,M
28	Q2160-05MSD	PS030501.D	04 Jun 2025 22:04	AR\AJ	Ok,M
29	Q2172-01	PS030502.D	04 Jun 2025 22:28	AR\AJ	Ok
30	Q2185-01	PS030503.D	04 Jun 2025 22:52	AR\AJ	Ok,M
31	Q2185-05	PS030504.D	04 Jun 2025 23:16	AR\AJ	Ok
32	I.BLK	PS030505.D	04 Jun 2025 23:40	AR\AJ	Ok
33	HSTDCCC750	PS030506.D	05 Jun 2025 00:04	AR\AJ	Ok,M
34	Q2177-03	PS030507.D	05 Jun 2025 00:52	AR\AJ	Ok,M
35	Q2177-05	PS030508.D	05 Jun 2025 01:16	AR\AJ	Ok
36	Q2177-07	PS030509.D	05 Jun 2025 01:40	AR\AJ	Ok,M
37	PB168263BL	PS030510.D	05 Jun 2025 02:04	AR\AJ	Ok
38	PB168263BS	PS030511.D	05 Jun 2025 02:28	AR\AJ	Ok,M
39	PB168224TB	PS030512.D	05 Jun 2025 02:53	AR\AJ	Ok
40	PB168254BL	PS030513.D	05 Jun 2025 03:17	AR\AJ	Ok
41	PB168254BS	PS030514.D	05 Jun 2025 03:41	AR\AJ	Ok,M
42	I.BLK	PS030515.D	05 Jun 2025 04:05	AR\AJ	Ok
43	HSTDCCC750	PS030516.D	05 Jun 2025 04:29	AR\AJ	Ok,M
44	Q2176-01	PS030517.D	05 Jun 2025 05:17	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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		

45	Q2176-02	PS030518.D	05 Jun 2025 05:41	AR\AJ	Ok,M
46	Q2176-03	PS030519.D	05 Jun 2025 06:05	AR\AJ	Ok
47	Q2176-04	PS030520.D	05 Jun 2025 06:29	AR\AJ	Not Ok
48	Q2176-05	PS030521.D	05 Jun 2025 06:53	AR\AJ	Ok
49	Q2176-06	PS030522.D	05 Jun 2025 07:17	AR\AJ	Ok,M
50	Q2176-07	PS030523.D	05 Jun 2025 07:41	AR\AJ	Ok,M
51	Q2176-08	PS030524.D	05 Jun 2025 08:05	AR\AJ	Ok
52	I.BLK	PS030525.D	05 Jun 2025 08:29	AR\AJ	Ok
53	HSTDCCC750	PS030526.D	05 Jun 2025 08:53	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060525

Review By	Abdul	Review On	6/6/2025 10:21:03 AM
Supervise By		Supervise On	
SubDirectory	PS060525	HP Acquire Method	HP Processing Method ps060425 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	PS030527.D	05 Jun 2025 09:58	AR\AJ	Ok
2	I.BLK	PS030528.D	05 Jun 2025 10:22	AR\AJ	Ok
3	HSTDCCC750	PS030529.D	05 Jun 2025 10:46	AR\AJ	Ok,NS
4	Q2176-04	PS030530.D	05 Jun 2025 13:03	AR\AJ	Ok
5	I.BLK	PS030531.D	05 Jun 2025 14:54	AR\AJ	Ok
6	HSTDCCC750	PS030532.D	05 Jun 2025 15:18	AR\AJ	Ok,NS

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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	PS030474.D	04 Jun 2025 10:31		AR\AJ	Ok
2	I.BLK	I.BLK	PS030475.D	04 Jun 2025 10:55		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030476.D	04 Jun 2025 11:19		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030477.D	04 Jun 2025 11:43		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030478.D	04 Jun 2025 12:07		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030479.D	04 Jun 2025 12:31		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030480.D	04 Jun 2025 12:55		AR\AJ	Ok,M
8	HSTDICV750	ICVPS060425	PS030481.D	04 Jun 2025 13:35		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030482.D	04 Jun 2025 13:59		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030483.D	04 Jun 2025 14:23		AR\AJ	Ok,M
11	PB168207BL	PB168207BL	PS030484.D	04 Jun 2025 14:47		AR\AJ	Ok
12	PB168207BS	PB168207BS	PS030485.D	04 Jun 2025 15:12		AR\AJ	Ok,M
13	Q1872-17	HW0425-PT-HERB-SO	PS030486.D	04 Jun 2025 15:36	Need dilution	AR\AJ	Dilution
14	Q1872-17DL	HW0425-PT-HERB-SO	PS030487.D	04 Jun 2025 16:00		AR\AJ	Ok,M
15	I.BLK	I.BLK	PS030488.D	04 Jun 2025 16:26		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030489.D	04 Jun 2025 16:50		AR\AJ	Ok,M
17	Q2159-01	TP05-MHO-WC	PS030490.D	04 Jun 2025 17:14		AR\AJ	Ok
18	Q2160-01	TP04-MHG-WC	PS030491.D	04 Jun 2025 17:38		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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			

19	Q2160-05	TP05-MHH-WC	PS030492.D	04 Jun 2025 18:02		AR\AJ	Ok
20	Q2173-06	OR-400-CF-402B-COM	PS030493.D	04 Jun 2025 18:26		AR\AJ	Ok,M
21	Q2173-12	OR-400-CF-402B-COM	PS030494.D	04 Jun 2025 18:51		AR\AJ	Ok,M
22	Q2173-18	OR-400-CF-402B-COM	PS030495.D	04 Jun 2025 19:15		AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030496.D	04 Jun 2025 19:39		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030497.D	04 Jun 2025 20:03		AR\AJ	Ok,M
25	Q2173-06MS	OR-400-CF-402B-COM	PS030498.D	04 Jun 2025 20:51	Comp#1,3 recovery fail	AR\AJ	Ok,M
26	Q2173-06MSD	OR-400-CF-402B-COM	PS030499.D	04 Jun 2025 21:15	Comp#1,3,14 recovery fail ,RPD Fail	AR\AJ	Ok,M
27	Q2160-05MS	TP05-MHH-WCMS	PS030500.D	04 Jun 2025 21:40	Comp#1,10 recovery fail	AR\AJ	Ok,M
28	Q2160-05MSD	TP05-MHH-WCMSD	PS030501.D	04 Jun 2025 22:04	Comp#1,10 recovery fail	AR\AJ	Ok,M
29	Q2172-01	TP06-MHQ	PS030502.D	04 Jun 2025 22:28		AR\AJ	Ok
30	Q2185-01	TP02-MHB-WC	PS030503.D	04 Jun 2025 22:52		AR\AJ	Ok,M
31	Q2185-05	TP01-MHA-WC	PS030504.D	04 Jun 2025 23:16		AR\AJ	Ok
32	I.BLK	I.BLK	PS030505.D	04 Jun 2025 23:40		AR\AJ	Ok
33	HSTDCCC750	HSTDCCC750	PS030506.D	05 Jun 2025 00:04		AR\AJ	Ok,M
34	Q2177-03	B-187-SB01	PS030507.D	05 Jun 2025 00:52		AR\AJ	Ok,M
35	Q2177-05	B-187-SB02	PS030508.D	05 Jun 2025 01:16		AR\AJ	Ok
36	Q2177-07	B-202-SB01	PS030509.D	05 Jun 2025 01:40		AR\AJ	Ok,M
37	PB168263BL	PB168263BL	PS030510.D	05 Jun 2025 02:04		AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060425

Review By	Abdul	Review On	6/5/2025 8:33:42 AM
Supervise By	mohammad	Supervise On	6/6/2025 2:02:33 AM
SubDirectory	PS060425	HP Acquire Method	HP Processing Method ps060425 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			

38	PB168263BS	PB168263BS	PS030511.D	05 Jun 2025 02:28		AR\AJ	Ok,M
39	PB168224TB	PB168224TB	PS030512.D	05 Jun 2025 02:53		AR\AJ	Ok
40	PB168254BL	PB168254BL	PS030513.D	05 Jun 2025 03:17		AR\AJ	Ok
41	PB168254BS	PB168254BS	PS030514.D	05 Jun 2025 03:41		AR\AJ	Ok,M
42	I.BLK	I.BLK	PS030515.D	05 Jun 2025 04:05		AR\AJ	Ok
43	HSTDCCC750	HSTDCCC750	PS030516.D	05 Jun 2025 04:29		AR\AJ	Ok,M
44	Q2176-01	TP-46	PS030517.D	05 Jun 2025 05:17		AR\AJ	Ok
45	Q2176-02	TP-56	PS030518.D	05 Jun 2025 05:41		AR\AJ	Ok,M
46	Q2176-03	TP-25	PS030519.D	05 Jun 2025 06:05		AR\AJ	Ok
47	Q2176-04	TP-26	PS030520.D	05 Jun 2025 06:29	Surrogate low in both column	AR\AJ	Not Ok
48	Q2176-05	TP-28	PS030521.D	05 Jun 2025 06:53		AR\AJ	Ok
49	Q2176-06	TP-27	PS030522.D	05 Jun 2025 07:17		AR\AJ	Ok,M
50	Q2176-07	TP-31	PS030523.D	05 Jun 2025 07:41		AR\AJ	Ok,M
51	Q2176-08	TP-65	PS030524.D	05 Jun 2025 08:05		AR\AJ	Ok
52	I.BLK	I.BLK	PS030525.D	05 Jun 2025 08:29		AR\AJ	Ok
53	HSTDCCC750	HSTDCCC750	PS030526.D	05 Jun 2025 08:53		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS060525

Review By	Abdul	Review On	6/6/2025 10:21:03 AM
Supervise By		Supervise On	
SubDirectory	PS060525	HP Acquire Method	HP Processing Method ps060425 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	PS030527.D	05 Jun 2025 09:58		AR\AJ	Ok
2	I.BLK	I.BLK	PS030528.D	05 Jun 2025 10:22		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030529.D	05 Jun 2025 10:46		AR\AJ	Ok,NS
4	Q2176-04	TP-26	PS030530.D	05 Jun 2025 13:03		AR\AJ	Ok
5	I.BLK	I.BLK	PS030531.D	05 Jun 2025 14:54		AR\AJ	Ok
6	HSTDCCC750	HSTDCCC750	PS030532.D	05 Jun 2025 15:18		AR\AJ	Ok,NS

M : Manual Integration

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2125-07	GSB3	25	1.14	10.44	11.58	10.36	88.3	
Q2167-01	52225	1	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2168-01	SAN-A1-A3	2	1.15	10.00	11.15	11.1	99.5	
Q2168-03	A3	3	1.19	10.12	11.31	11.27	99.6	
Q2168-05	SAN-B1-B3	4	1.19	10.16	11.35	11.31	99.6	
Q2168-07	B3	5	1.16	10.33	11.49	11.44	99.5	
Q2168-09	SAN-C1-C2	6	1.13	10.24	11.37	11.3	99.3	
Q2168-11	C2	7	1.17	10.38	11.55	11.31	97.7	
Q2171-01	5-28-25-A	8	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-02	5-28-25-B	9	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2171-03	51925	10	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2175-01	32525	11	1.00	1.00	2.00	2.00	100.0	debris
Q2175-02	52725	12	1.00	1.00	2.00	2.00	100.0	oil sample
Q2176-01	TP-46	13	1.19	10.63	11.82	10.09	83.7	
Q2176-02	TP-56	14	1.15	10.59	11.74	10.28	86.2	
Q2176-03	TP-25	15	1.16	10.29	11.45	9.98	85.7	
Q2176-04	TP-26	16	1.12	10.84	11.96	10.36	85.2	
Q2176-05	TP-28	17	1.18	10.51	11.69	10.69	90.5	
Q2176-06	TP-27	18	1.18	10.12	11.3	9.59	83.1	
Q2176-07	TP-31	19	1.18	10.64	11.82	10.42	86.8	
Q2176-08	TP-65	20	1.19	10.27	11.46	10.16	87.3	
Q2177-01	B-187-SB00	21	1.17	10.43	11.6	10.47	89.2	
Q2177-02	B-187-SB01	22	1.16	10.50	11.66	10.00	84.2	
Q2177-04	B-187-SB02	23	1.17	10.55	11.72	7.8	62.8	
Q2177-06	B-202-SB01	24	1.19	10.41	11.6	10.08	85.4	
Q2178-01	RT2929	26	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q2179-01	D3	27	1.15	9.96	11.11	10.47	93.6	
Q2179-02	D4	28	1.19	10.03	11.22	10.38	91.6	

PERCENT SOLID

Supervisor: Sohil
Analyst: jignesh
Date: 6/3/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 06/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135973

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
Q2179-03	D5	29	1.18	10.26	11.44	10.8	93.8	
Q2179-04	D6	30	1.16	10.80	11.96	11.54	96.1	
Q2183-01	BC205321-3-1	31	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-02	BC205321-3-2	32	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-03	BC205321-4-1	33	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-04	BC205321-4-2	34	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-05	BC205321-5-1	35	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-06	BC205321-5-2	36	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-07	BC205321-6-1	37	1.00	1.00	2.00	2.00	100.0	pilc
Q2183-08	BC205321-6-2	38	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-01	245F54-1-1	39	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-02	245F54-1-2	40	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-03	BC226595-1-1	41	1.00	1.00	2.00	2.00	100.0	pilc
Q2184-04	BC226595-1-2	42	1.00	1.00	2.00	2.00	100.0	pilc
Q2185-01	TP02-MHB-WC	43	1.15	10.68	11.83	10.28	85.5	
Q2185-02	TP02-MHB-VOC	44	1.13	10.62	11.75	10.58	89.0	
Q2185-03	TP02-MHB-EPH	45	1.15	10.26	11.41	10.00	86.3	
Q2185-05	TP01-MHB-WC	46	1.18	10.69	11.87	10.57	87.8	
Q2185-06	TP01-MHB-VOC	47	1.19	10.76	11.95	10.84	89.7	
Q2185-07	TP01-MHB-EPH	48	1.19	10.25	11.44	10.28	88.7	

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

WORKLIST(Hardcopy Internal Chain)

8735973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2125-07	GSB3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	05/23/2025	Chemtech -SO
Q2167-01	52225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-01	SAN-A1-A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-03	A3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-05	SAN-B1-B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-07	B3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-09	SAN-C1-C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2168-11	C2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-01	5-28-25-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-02	5-28-25-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2171-03	51925	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-01	32525	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2175-02	52725	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-01	TP-46	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/30/2025	Chemtech -SO
Q2176-02	TP-56	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/28/2025	Chemtech -SO
Q2176-03	TP-25	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-04	TP-26	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-05	TP-28	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-06	TP-27	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-07	TP-31	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/29/2025	Chemtech -SO
Q2176-08	TP-65	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	05/30/2025	Chemtech -SO

Date/Time 06/02/25 15:13
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 06/02/25 17:25
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

135913

WorkList Name : %1-060225 WorkList ID : 189853 Department : Wet-Chemistry Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2177-01	B-187-SB00	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-02	B-187-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-04	B-187-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2177-06	B-202-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	L41	05/31/2025	Chemtech -SO
Q2178-01	RT2929	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	06/02/2025	Chemtech -SO
Q2179-01	D3	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-02	D4	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-03	D5	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2179-04	D6	Solid	Percent Solids	Cool 4 deg C	GENV01	N11	06/02/2025	Chemtech -SO
Q2183-01	BC205321-3-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-02	BC205321-3-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-03	BC205321-4-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-04	BC205321-4-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-05	BC205321-5-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-06	BC205321-5-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-07	BC205321-6-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2183-08	BC205321-6-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-01	245F54-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-02	245F54-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-03	BC226595-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO
Q2184-04	BC226595-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N12	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW
 Date/Time 06/02/25 17:25
 Raw Sample Received by: SPW
 Raw Sample Relinquished by: SPW

WORKLIST(Hardcopy Internal Chain)

135973

WorkList Name : %1-060225

WorkList ID : 189853

Department : Wet-Chemistry

Date : 06-02-2025 08:16:03

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2185-01	TP02-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-02	TP02-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-03	TP02-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-05	TP01-MHB-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-06	TP01-MHB-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO
Q2185-07	TP01-MHB-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	06/02/2025	Chemtech -SO

Date/Time 06/02/25 15:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

Date/Time 06/02/25 17:15

Raw Sample Received by: SPW/C

Raw Sample Relinquished by: SPW/C

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH **Extraction By:** RJ

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

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

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

Extraction Start Date : 06/03/2025

Extraction Start Time : 09:00

Extraction End Date : 06/03/2025

Extraction End Time : 16:30

Concentration By: EH

Supervisor By : RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5/500 PPM	PP24595
Surrogate	1.0ML	5000 PPB	PP24601
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	E3939
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	E3938
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

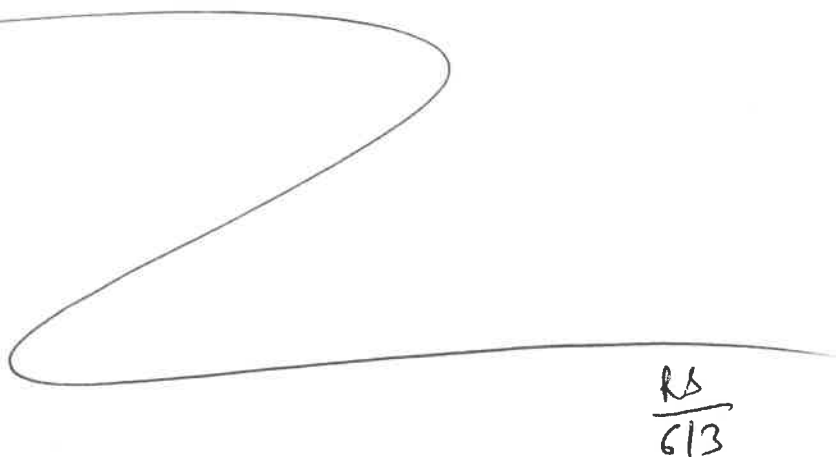
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (EX-106)	RS Post-PCB Lab
16:35	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168254BL	HBLK254	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168254BS	HLCS254	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2159-01	TP05-MHO-WC	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2160-01	TP04-MHG-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2160-05	TP05-MHH-WC	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		5
Q2160-05MS	TP05-MHH-WCMS	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2160-05MS D	TP05-MHH-WCMSD	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		U3-1
Q2172-01	TP06-MHQ	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2176-01	TP-46	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2176-02	TP-56	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2176-03	TP-25	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5
Q2176-04	TP-26	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		6
Q2176-05	TP-28	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U6-1
Q2176-06	TP-27	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2176-07	TP-31	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2176-08	TP-65	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2185-01	TP02-MHB-WC	Herbicide	30.03	N/A	ritesh	Evelyn	10	B		5
Q2185-05	TP01-MHB-WC	Herbicide	30.06	N/A	ritesh	Evelyn	10	B		6



66257
9:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2159H WorkList ID : 189893 Department : Extraction Date : 06-03-2025 08:50:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2159-01	TP05-MHO-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2160-01	TP04-MHG-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2160-05	TP05-MHH-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/29/2025	8151A
Q2172-01	TP06-MHQ	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	05/30/2025	8151A
Q2176-01	TP-46	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/28/2025	8151A
Q2176-02	TP-56	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-03	TP-25	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-04	TP-26	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-05	TP-28	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-06	TP-27	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-07	TP-31	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/29/2025	8151A
Q2176-08	TP-65	Solid	Herbicide	Cool 4 deg C	CAMP02	L41	05/30/2025	8151A
Q2185-01	TP02-MHB-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	06/02/2025	8151A
Q2185-05	TP01-MHB-WC	Solid	Herbicide	Cool 4 deg C	PSEG03	L31	06/02/2025	8151A

Date/Time 06/03/25 8:55
Raw Sample Received by: RS GEF-1ceb
Raw Sample Relinquished by: SAU 5H

Date/Time 06/03/25 9:15
Raw Sample Received by: SAU 5H
Raw Sample Relinquished by: RS GEF-1ceb



SHIPPING DOCUMENTS

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

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

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

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

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

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

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

TCL VOC
TCL SVOC
METALS
PCB
PESTICIDE
HERBICIDE
DRO/GRO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-46	SOIL		X	5/28/25	1515	6	X	X	X	X	X	X	X			E
2.	TP-56	SOIL		X	5/29/25	0835	6	X	X	X	X	X	X	X			E
3.	TP-25	SOIL		X	5/29/25	0925	6	X	X	X	X	X	X	X			E
4.	TP-26	SOIL		X	5/29/25	1040	6	X	X	X	X	X	X	X			E
5.	TP-28	SOIL		X	5/29/25	1120	6	X	X	X	X	X	X	X			E
6.	TP-27	SOIL		X	5/29/25	1200	6	X	X	X	X	X	X	X			E
7.	TP-31	SOIL		X	5/29/25	1340	6	X	X	X	X	X	X	X			E
8.	TP-65	SOIL		X	5/30/25	1405	6	X	X	X	X	X	X	X			E
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: 1. [Signature]	DATE/TIME: 5/30/25/1600	RECEIVED BY: 1. [Signature]	1600	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
RELINQUISHED BY SAMPLER: 2. [Signature]	DATE/TIME:	RECEIVED BY: 2. [Signature]	5:30:25	Comments:
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1653 5-30-25	RECEIVED BY: 3. [Signature]		Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2176 CAMP02

Order Date : 5/30/2025 4:04:00 PM

Project Mgr :

Client Name : CDM Smith

Project Name : South River WM Replacem

Report Type : ~~Level 1~~ NJ Reduce

Client Contact : Marcie Ann Encinas

Receive DateTime : 5/30/2025 12:00:00 AM

EDD Type : EXCEL NOCLEANUP

Invoice Name : CDM Smith

Purchase Order :

10:53

Hard Copy Date :

Invoice Contact : Marcie Ann Encinas

Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2176-01	TP-46	Solid	05/28/2025	15:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-02	TP-56	Solid	05/29/2025	08:35	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-03	TP-25	Solid	05/29/2025	09:25	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-04	TP-26	Solid	05/29/2025	10:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-05	TP-28	Solid	05/29/2025	11:20	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-06	TP-27	Solid	05/29/2025	12:00	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-07	TP-31	Solid	05/29/2025	13:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2176-08	TP-65	Solid	05/30/2025	14:05					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2176	CAMP02	Order Date : 5/30/2025 4:04:00 PM	Project Mgr :
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 ^{NJ} Reduce
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/30/2025 12:00:00 AM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order : 16:53	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinquished By : 
Date / Time : 6/2/25 1125

Received By : 
Date / Time : 6/2/25 1125

Storage Area : VOA Refridgerator Room