

Cover Page

Order ID : Q2543

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2543-01
Q2543-02
Q2543-03
Q2543-04

Client Sample Number

TP-41
TP-49
TP-23
TP-23-99

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

Signature : _____

Date: 7/19/2025

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 #: Q2543

Completed

For thorough review, the report must have the following:

GENERAL:

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

✓

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

✓

Is the chain of custody signed and complete

✓

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

✓

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

✓

COVER PAGE:

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

✓

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

✓

CHAIN OF CUSTODY:

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

✓

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

✓

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

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/19/2025

LAB CHRONICLE

OrderID:	Q2543	OrderDate:	7/9/2025 12:26:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	O42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2543-01	TP-41	SOIL			07/08/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			Herbicide	8151A		07/11/25	07/18/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-02	TP-49	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			Herbicide	8151A		07/11/25	07/18/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-03	TP-23	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			Herbicide	8151A		07/11/25	07/18/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	
Q2543-04	TP-23-99	SOIL			07/09/25			07/09/25
			Diesel Range Organics	8015D		07/16/25	07/16/25	
			Gasoline Range Organics	8015D			07/10/25	
			Herbicide	8151A		07/11/25	07/18/25	
			PCB	8082A		07/10/25	07/10/25	
			Pesticide-TCL	8081B		07/10/25	07/10/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2543

Order ID: Q2543

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.: **Q2543**

Client: **CDM Smith**

Analytical Method: **8151A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Recovery(%)	Qual	Limits(%)	
								Low	High
I.BLK-PS031005.D	PIBLK-PS031005.D	2,4-DCAA	1	500	356	71		61	136
		2,4-DCAA	2	500	496	99		61	136
I.BLK-PS031021.D	PIBLK-PS031021.D	2,4-DCAA	1	500	459	92		61	136
		2,4-DCAA	2	500	490	98		61	136
PB168811BL	PB168811BL	2,4-DCAA	1	500	401	80		10	141
		2,4-DCAA	2	500	474	95		10	141
PB168811BS	PB168811BS	2,4-DCAA	1	500	517	103		10	141
		2,4-DCAA	2	500	456	91		10	141
I.BLK-PS031027.D	PIBLK-PS031027.D	2,4-DCAA	1	500	428	86		61	136
		2,4-DCAA	2	500	483	97		61	136
I.BLK-PS031143.D	PIBLK-PS031143.D	2,4-DCAA	1	500	473	95		61	136
		2,4-DCAA	2	500	506	101		61	136
Q2529-10MS	TP-30MS	2,4-DCAA	1	500	155	31		10	141
		2,4-DCAA	2	500	220	44		10	141
Q2529-10MSD	TP-30MSD	2,4-DCAA	1	500	180	36		10	141
		2,4-DCAA	2	500	257	51		10	141
Q2543-01	TP-41	2,4-DCAA	1	500	244	49		10	141
		2,4-DCAA	2	500	449	90		10	141
Q2543-02	TP-49	2,4-DCAA	1	500	268	54		10	141
		2,4-DCAA	2	500	377	75		10	141
Q2543-03	TP-23	2,4-DCAA	1	500	326	65		10	141
		2,4-DCAA	2	500	414	83		10	141
Q2543-04	TP-23-99	2,4-DCAA	1	500	326	65		10	141
		2,4-DCAA	2	500	401	80		10	141
I.BLK-PS031153.D	PIBLK-PS031153.D	2,4-DCAA	1	500	478	96		61	136
		2,4-DCAA	2	500	512	102		61	136

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2543</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS031145.D</u>

	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits		RPD
			Result	Result			Qual	RPD	Qual	Low	High		
Lab Sample ID:	Q2529-10MS (Column 1)	Client Sample ID:		TP-30MS									
	DICAMBA	182.3	0	83.6	ug/Kg	46					10	112	
	DICHLORPROP	182.3	0	84.5	ug/Kg	46					10	113	
	2,4-D	182.3	0	179	ug/Kg	98					10	144	
	2,4,5-TP(Silvex)	182.3	0	98.3	ug/Kg	54					10	114	
	2,4,5-T	182.3	0	121	ug/Kg	66					10	115	
	2,4-DB	182.3	0	30.0	ug/Kg	16					10	140	
	Dinoseb	182.3	0	0	ug/Kg	0	*				10	118	
Lab Sample ID:	Q2529-10MS (Column 2)	Client Sample ID:		TP-30MS									
	DICAMBA	182.3	0	82.7	ug/Kg	45					10	112	
	DICHLORPROP	182.3	0	90.6	ug/Kg	50					10	113	
	2,4-D	182.3	0	152	ug/Kg	83					10	144	
	2,4,5-TP(Silvex)	182.3	0	284	ug/Kg	156					10	114	
	2,4,5-T	182.3	0	85.0	ug/Kg	47					10	115	
	2,4-DB	182.3	0	29.1	ug/Kg	16					10	140	
	Dinoseb	182.3	0	0	ug/Kg	0	*				10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2543</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS031146.D</u>

	Parameter	Spike	Sample			Rec	Rec Qual	RPD		Limits		
			Result	Units	Result			Qual	Low	High	RPD	
Lab Sample ID:	Q2529-10MSD (Column 1)	Client Sample ID:		TP-30MSD								
	DICAMBA	182	0	98.6	ug/Kg	54		16		10	112	20
	DICHLORPROP	182	0	102	ug/Kg	56		20		10	113	20
	2,4-D	182	0	192	ug/Kg	105		7		10	144	20
	2,4,5-TP(Silvex)	182	0	117	ug/Kg	64		17		10	114	20
	2,4,5-T	182	0	143	ug/Kg	79		18		10	115	20
	2,4-DB	182	0	32.0	ug/Kg	18		12		10	140	20
	Dinoseb	182	0	0	ug/Kg	0	*	0		10	118	20
Lab Sample ID:	Q2529-10MSD (Column 2)	Client Sample ID:		TP-30MSD								
	DICAMBA	182	0	98.1	ug/Kg	54		18		10	112	20
	DICHLORPROP	182	0	107	ug/Kg	59		17		10	113	20
	2,4-D	182	0	164	ug/Kg	90		8		10	144	20
	2,4,5-TP(Silvex)	182	0	297	ug/Kg	163		4		10	114	20
	2,4,5-T	182	0	101	ug/Kg	55		16		10	115	20
	2,4-DB	182	0	29.0	ug/Kg	16		0		10	140	20
	Dinoseb	182	0	0	ug/Kg	0	*	0		10	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2543

Analytical Method: 8151A

Client: CDM Smith

Datafile : PS031024.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168811BS (Column 1)	DICAMBA	166.6	156	ug/Kg	94				72	129		
	DICHLORPROP	166.6	161	ug/Kg	97				77	135		
	2,4-D	166.6	185	ug/Kg	111				65	144		
	2,4,5-TP(Silvex)	166.6	174	ug/Kg	104				74	146		
	2,4,5-T	166.6	185	ug/Kg	111				77	134		
	2,4-DB	166.6	193	ug/Kg	116				72	122		
	Dinoseb	166.6	173	ug/Kg	104				74	132		
	DICAMBA	166.6	143	ug/Kg	86				72	129		
PB168811BS (Column 2)	DICHLORPROP	166.6	143	ug/Kg	86				77	135		
	2,4-D	166.6	145	ug/Kg	87				65	144		
	2,4,5-TP(Silvex)	166.6	149	ug/Kg	89				74	146		
	2,4,5-T	166.6	149	ug/Kg	89				77	134		
	2,4-DB	166.6	146	ug/Kg	88				72	122		
	Dinoseb	166.6	144	ug/Kg	86				74	132		

4C

PESTICIDE METHOD BLANK SUMMARY

Client ID

PB168811BL

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Lab Sample ID: PB168811BL

Lab File ID: PS031023.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/11/2025

Date Analyzed (1): 07/14/2025

Date Analyzed (2): 07/14/2025

Time Analyzed (1): 17:10

Time Analyzed (2): 17:10

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
PB168811BS	PB168811BS	PS031024.D	07/14/2025	07/14/2025
TP-30MS	Q2529-10MS	PS031145.D	07/18/2025	07/18/2025
TP-30MSD	Q2529-10MSD	PS031146.D	07/18/2025	07/18/2025
TP-41	Q2543-01	PS031147.D	07/18/2025	07/18/2025
TP-49	Q2543-02	PS031148.D	07/18/2025	07/18/2025
TP-23	Q2543-03	PS031149.D	07/18/2025	07/18/2025
TP-23-99	Q2543-04	PS031150.D	07/18/2025	07/18/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-41	SDG No.:	Q2543
Lab Sample ID:	Q2543-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	82
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
PS031147.D	1	07/11/25 08:50	07/18/25 22:34	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.40	U	9.40	81.5	ug/Kg
120-36-5	DICHLORPROP	15.6	U	15.6	81.5	ug/Kg
94-75-7	2,4-D	11.0	U	11.0	81.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.0	U	11.0	81.5	ug/Kg
93-76-5	2,4,5-T	10.6	U	10.6	81.5	ug/Kg
94-82-6	2,4-DB	29.4	U	29.4	81.5	ug/Kg
88-85-7	DINOSEB	13.1	U	13.1	81.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	449		10 - 141	90%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:34
Operator : AR\AJ
Sample : Q2543-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-41

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.766	963.9E6	465.3E6	243.712	449.076 #

Target Compounds

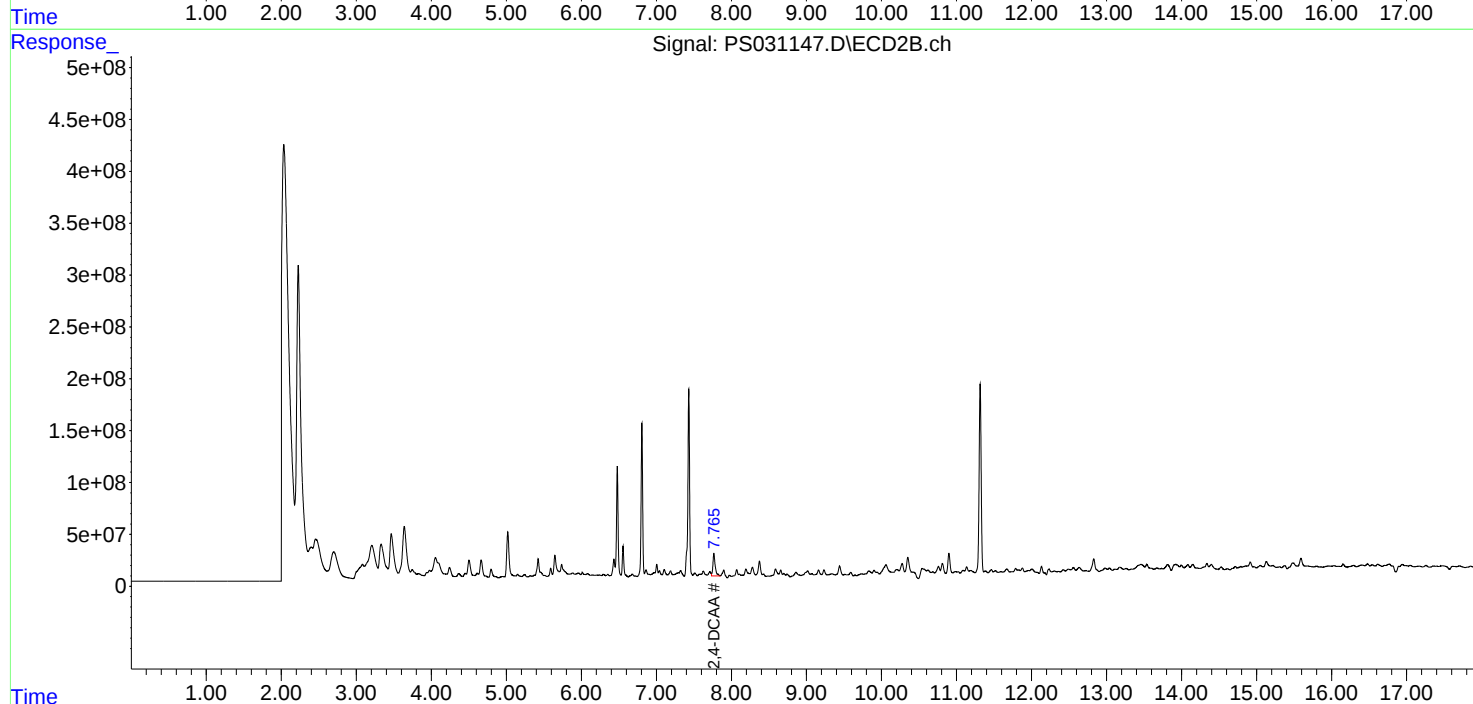
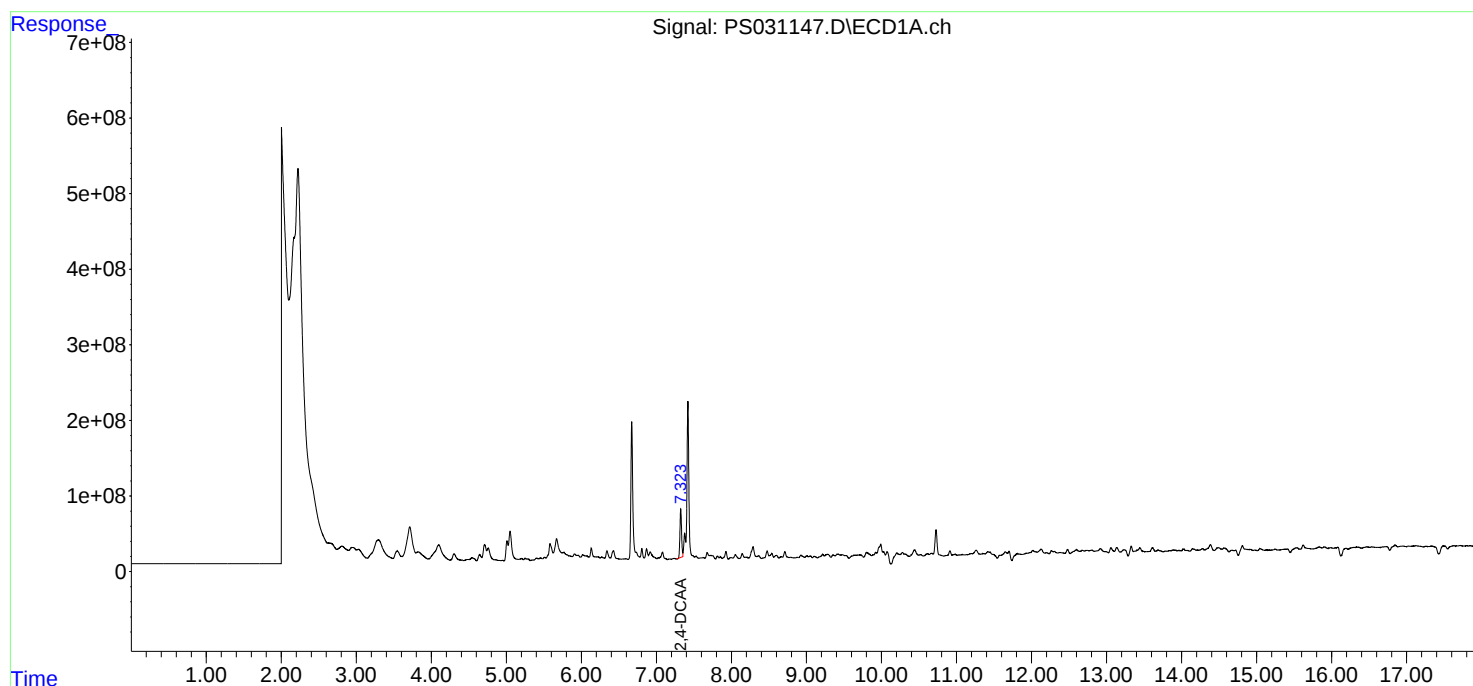
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031147.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:34
Operator : AR\AJ
Sample : Q2543-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-41

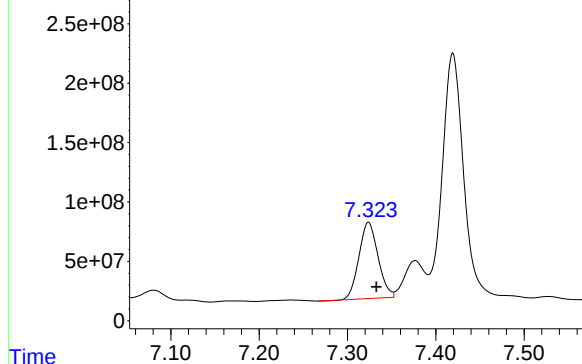
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS031147.D\ECD1A.ch

#4 2,4-DCAA

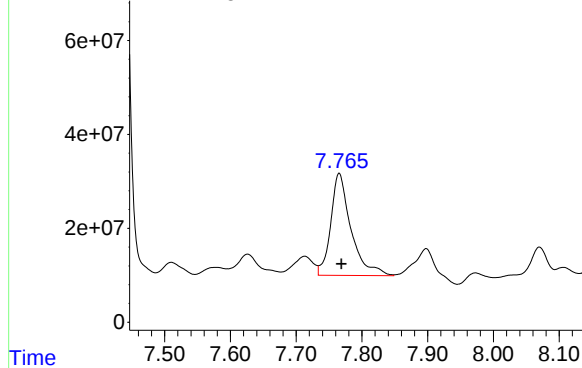


R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 963899314
Conc: 243.71 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-41

Signal: PS031147.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.766 min
Delta R.T.: -0.003 min
Response: 465257101
Conc: 449.08 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-49	SDG No.:	Q2543
Lab Sample ID:	Q2543-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	73.9
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031148.D	1	07/11/25 08:50	07/18/25 22:59	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.5	U	10.5	90.6	ug/Kg
120-36-5	DICHLORPROP	17.3	U	17.3	90.6	ug/Kg
94-75-7	2,4-D	12.2	U	12.2	90.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	12.2	U	12.2	90.6	ug/Kg
93-76-5	2,4,5-T	11.8	U	11.8	90.6	ug/Kg
94-82-6	2,4-DB	32.7	U	32.7	90.6	ug/Kg
88-85-7	DINOSEB	14.6	U	14.6	90.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	377		10 - 141	75%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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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\PS071825\
Data File : PS031148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:59
Operator : AR\AJ
Sample : Q2543-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-49

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.765	1061.7E6	390.4E6	268.450	376.813 #

Target Compounds

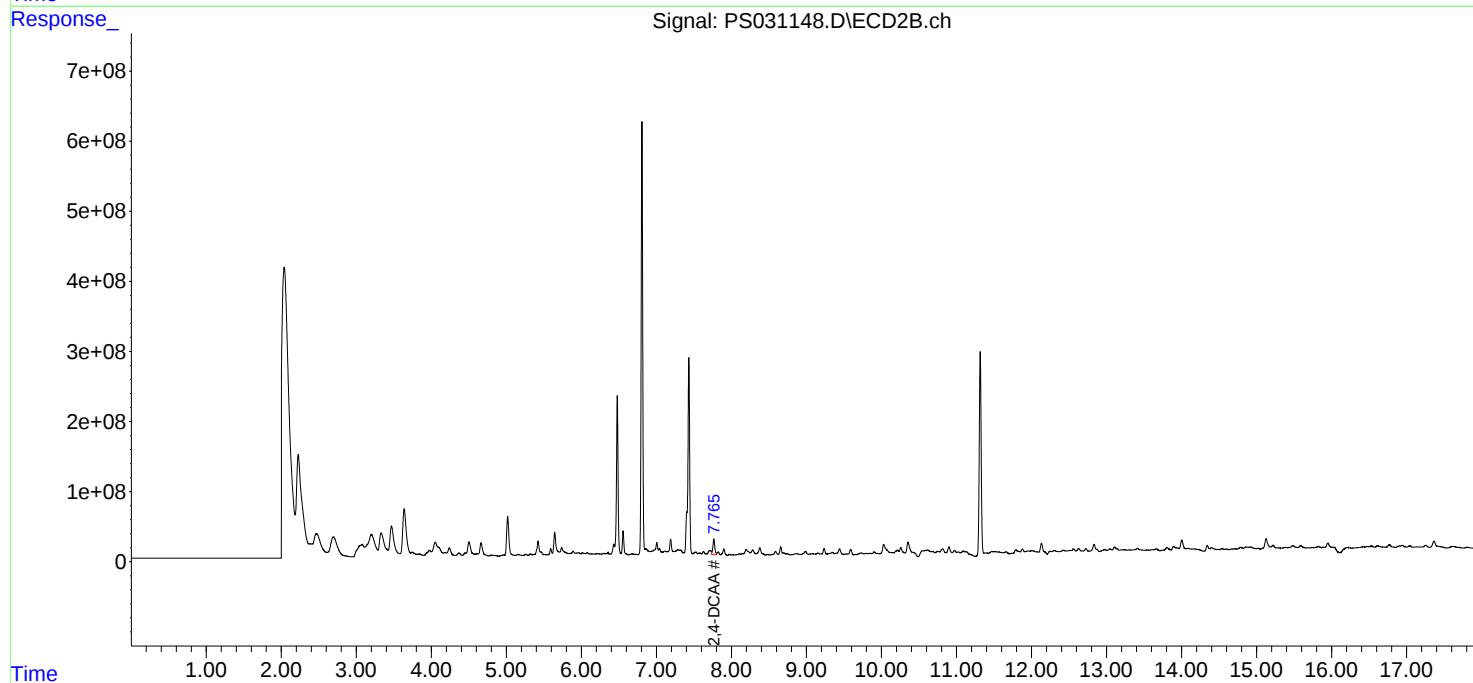
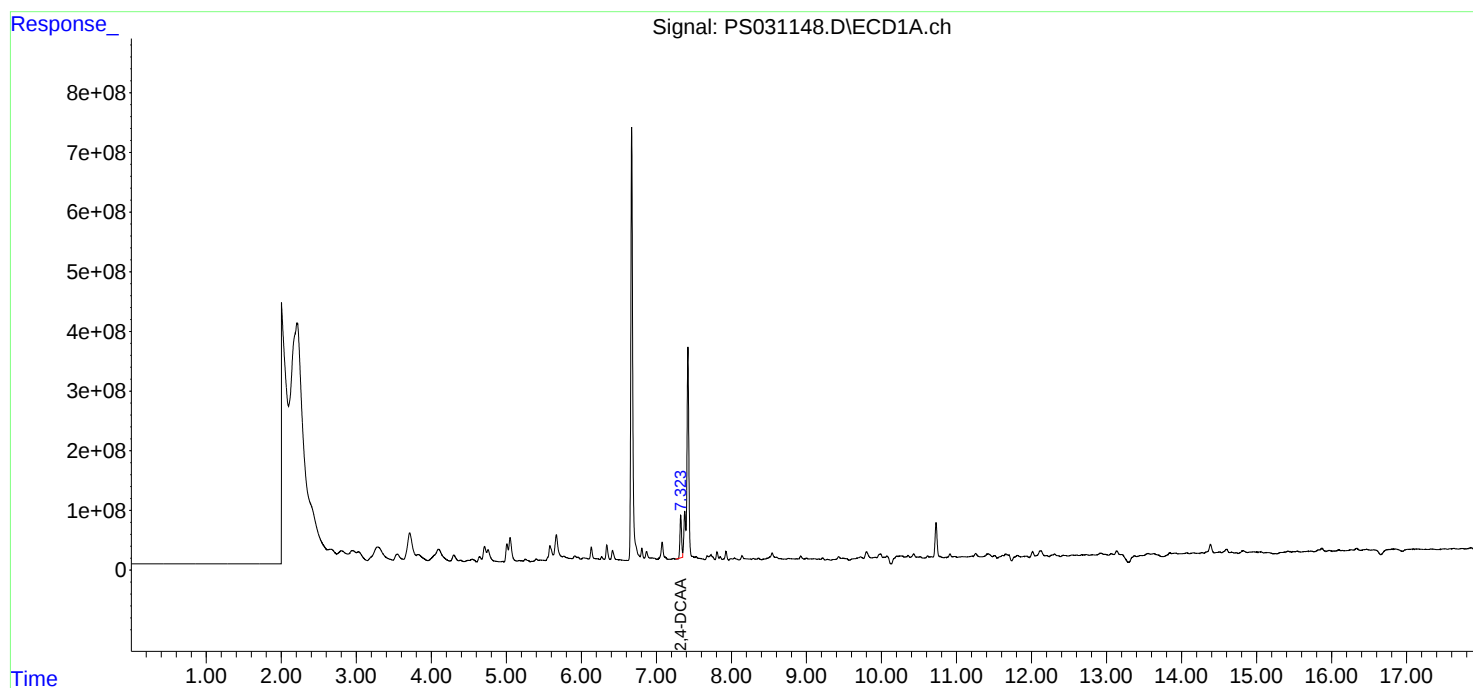
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031148.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:59
Operator : AR\AJ
Sample : Q2543-02
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-49

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Response_

Signal: PS031148.D\ECD1A.ch

#4 2,4-DCAA

R.T.: 7.324 min

Delta R.T.: -0.009 min

Response: 1061738351

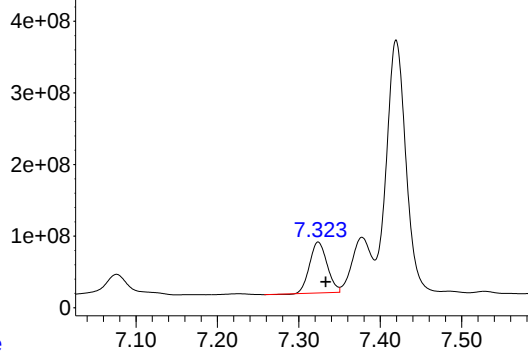
Conc: 268.45 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-49



Time

Response_

Signal: PS031148.D\ECD2B.ch

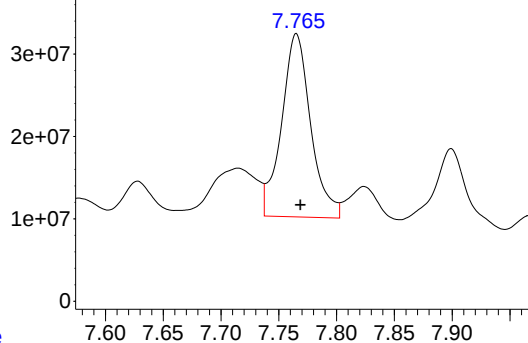
#4 2,4-DCAA

R.T.: 7.765 min

Delta R.T.: -0.003 min

Response: 390390278

Conc: 376.81 ng/ml



Time

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23	SDG No.:	Q2543
Lab Sample ID:	Q2543-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85
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
PS031149.D	1	07/11/25 08:50	07/18/25 23:23	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.7	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.7	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.7	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.7	ug/Kg
94-82-6	2,4-DB	28.4	U	28.4	78.7	ug/Kg
88-85-7	DINOSEB	12.7	U	12.7	78.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	414		10 - 141	83%	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\PS071825\
Data File : PS031149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 23:23
Operator : AR\AJ
Sample : Q2543-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-23

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.764	1289.4E6	429.3E6	326.023	414.353 #

Target Compounds

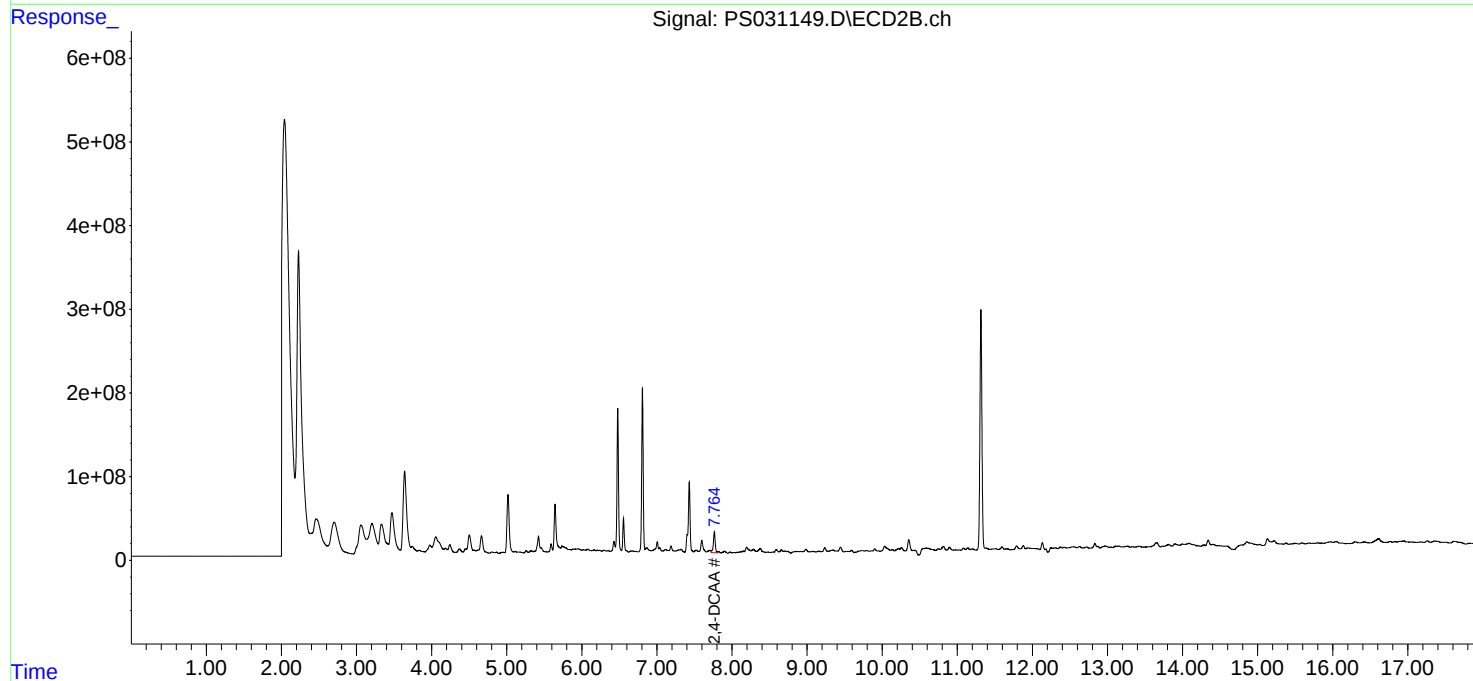
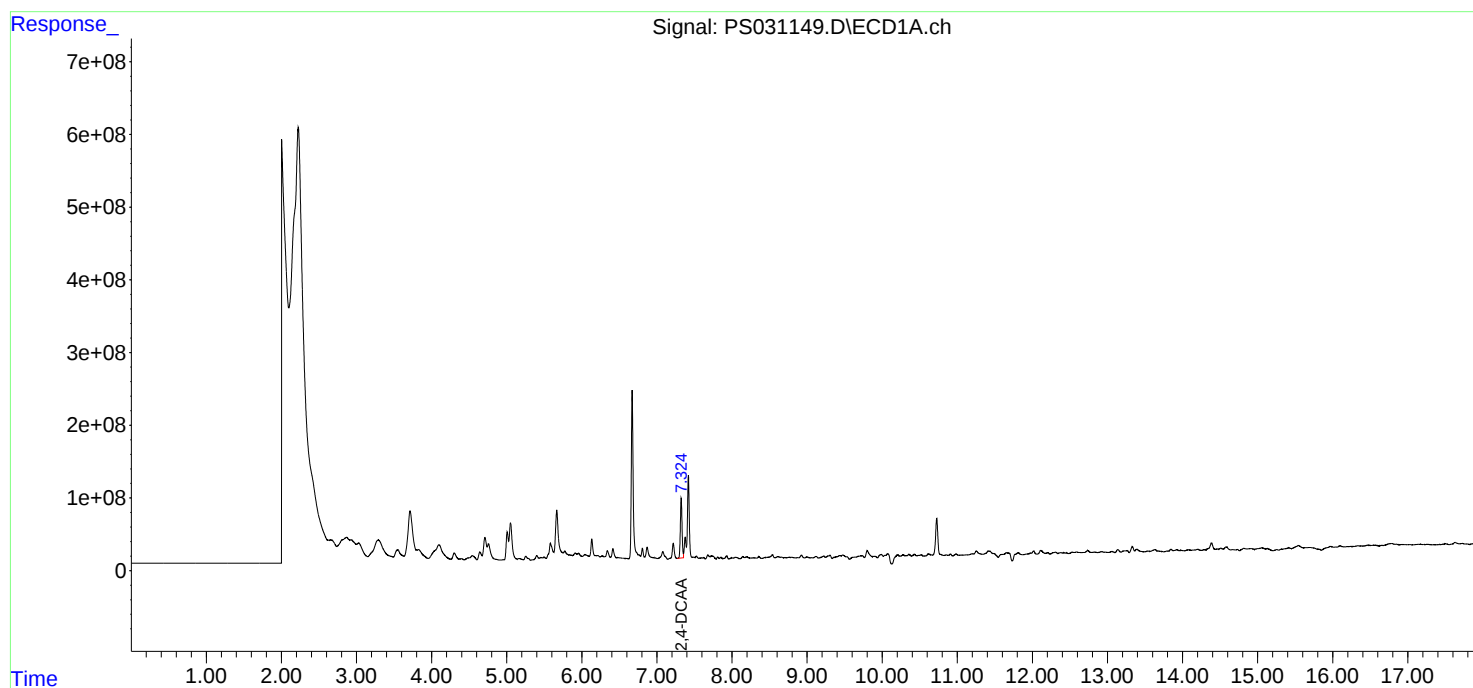
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

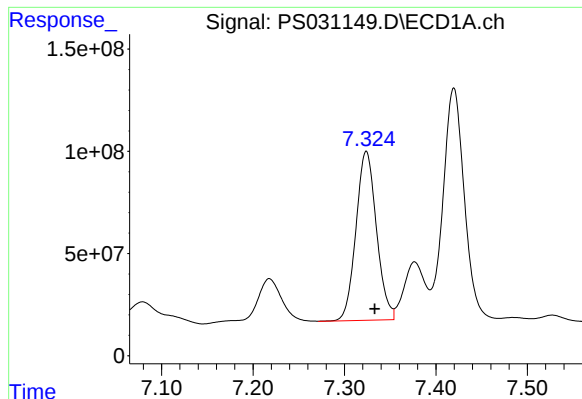
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031149.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 23:23
Operator : AR\AJ
Sample : Q2543-03
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-23

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:17:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

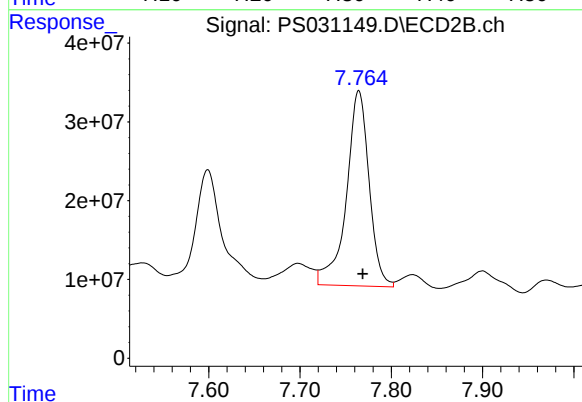




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1289445254
Conc: 326.02 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-23



#4 2,4-DCAA

R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 429283547
Conc: 414.35 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/09/25
Project:	South River WM Replacement	Date Received:	07/09/25
Client Sample ID:	TP-23-99	SDG No.:	Q2543
Lab Sample ID:	Q2543-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.4
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
PS031150.D	1	07/11/25 08:50	07/18/25 23:47	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.10	U	9.10	78.4	ug/Kg
120-36-5	DICHLORPROP	15.0	U	15.0	78.4	ug/Kg
94-75-7	2,4-D	10.6	U	10.6	78.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.6	U	10.6	78.4	ug/Kg
93-76-5	2,4,5-T	10.2	U	10.2	78.4	ug/Kg
94-82-6	2,4-DB	28.3	U	28.3	78.4	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	78.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	401		10 - 141	80%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 23:47
Operator : AR\AJ
Sample : Q2543-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-23-99

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.765	1290.5E6	415.3E6	326.284	400.891

Target Compounds

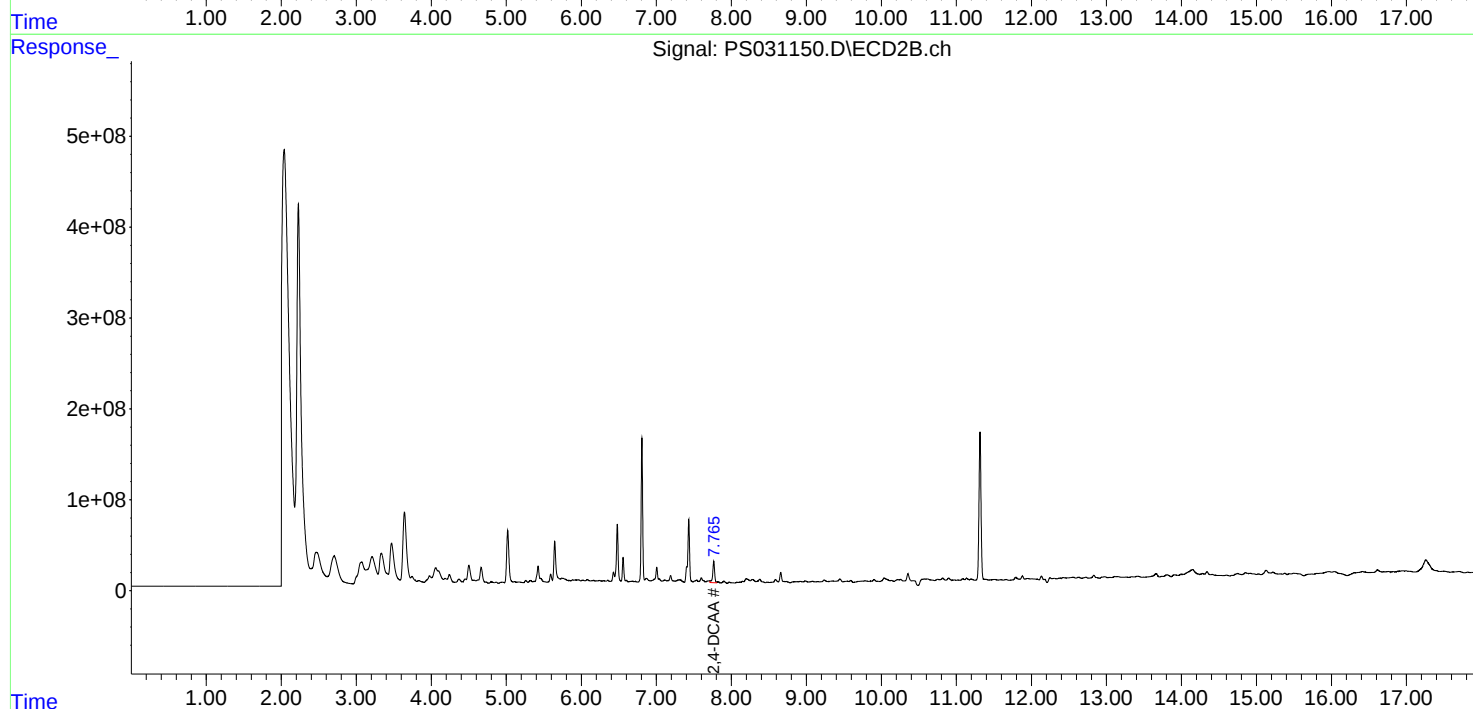
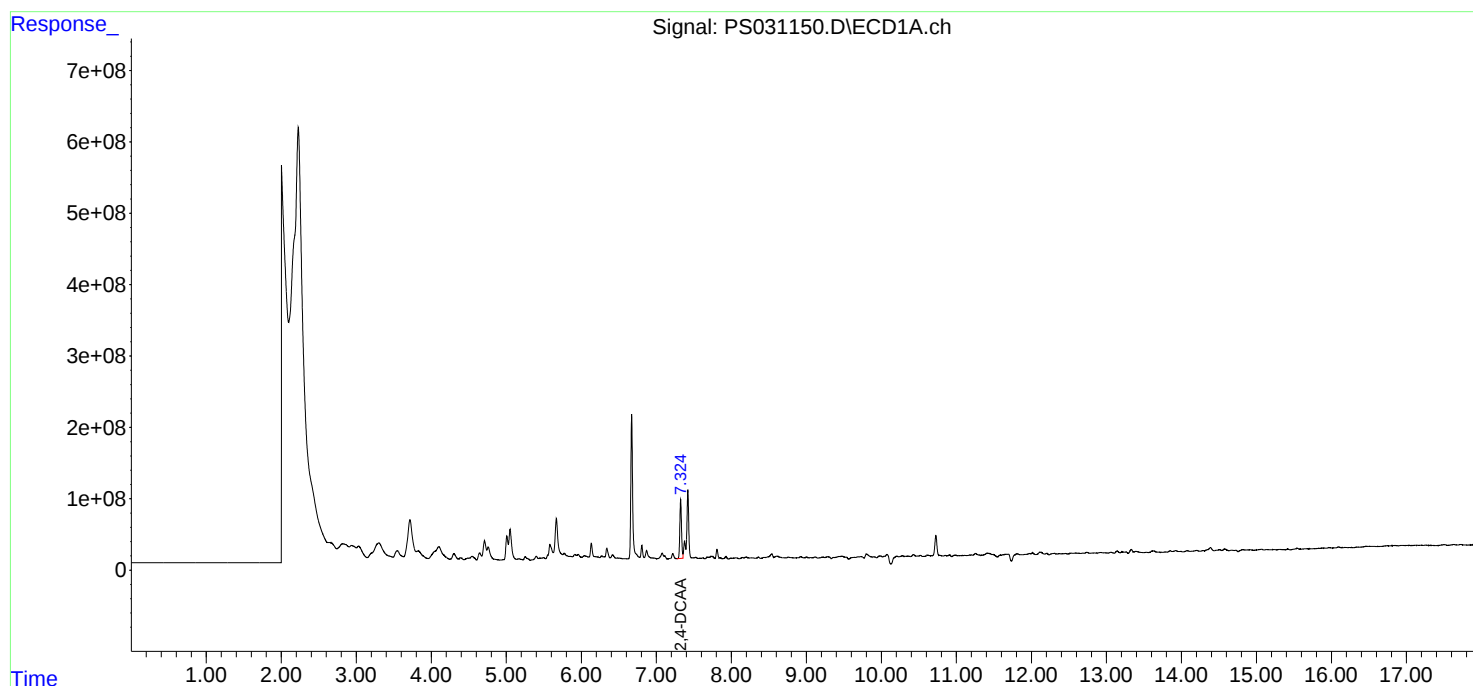
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

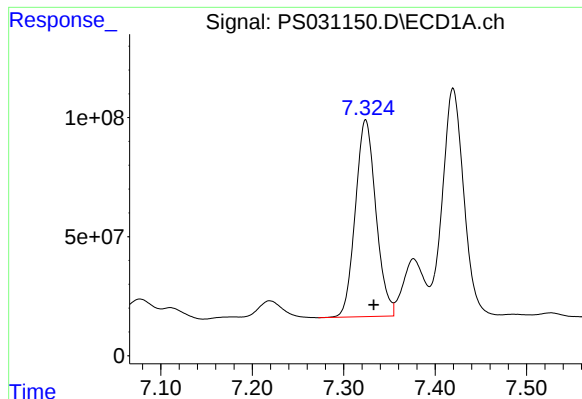
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031150.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 23:47
Operator : AR\AJ
Sample : Q2543-04
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-23-99

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

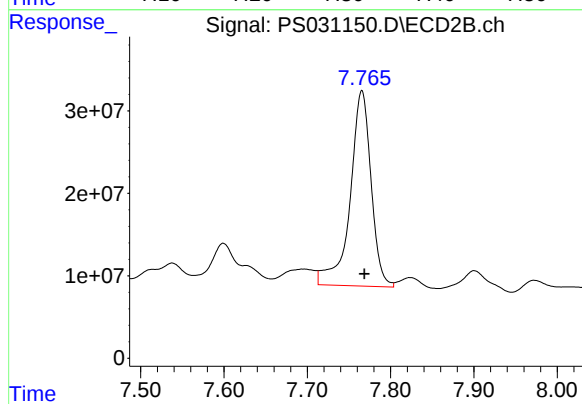




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1290478878
Conc: 326.28 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-23-99



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.003 min
Response: 415336302
Conc: 400.89 ng/ml



CALIBRATION SUMMARY

Calibration Times: **16:00** **17:36**

LAB FILE ID:	RT 200 =	<u>PS031006.D</u>	RT 500 =	<u>PS031007.D</u>
	RT 750 =	PS031008.D	RT 1000 =	PS031009.D
			RT 1500 =	PS031010.D

[illegible]

Calibration Times: **16:00** **17:36**

LAB FILE ID:	RT 200 =	<u>PS031006.D</u>	RT 500 =	<u>PS031007.D</u>
	RT 750 =	PS031008.D	RT 1000 =	PS031009.D
			RT 1500 =	PS031010.D

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Instrument ID: ECD_S

Calibration Date(s): 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

GC Column: RTX-CLP

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS031006.D</u>	CF 500 =	<u>PS031007.D</u>		
CF 750 =		<u>PS031008.D</u>	CF 1000 =	<u>PS031009.D</u>	CF 1500 =	<u>PS031010.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16153700000	14634600000	14827200000	15218900000	15232300000	15213300000	4
2,4,5-TP(Silvex)	20737500000	18270800000	18189000000	18194100000	17662300000	18610700000	7
2,4-D	3556670000	2984170000	2931980000	2976850000	2942510000	3078440000	9
2,4-DB	2297930000	2042050000	2088340000	2166500000	2259130000	2170790000	5
2,4-DCAA	4821770000	3910250000	3755950000	3730170000	3557220000	3955070000	13
DICAMBA	18746100000	15451800000	15023600000	14973000000	14260000000	15690900000	11
DICHLORPROP	4147310000	3328120000	3223340000	3219630000	3107370000	3405150000	12
Dinoseb	14412500000	12754600000	12827100000	13048300000	12877100000	13183900000	5



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Instrument ID: ECD_S

Calibration Date(s): 07/11/2025 07/11/2025

Calibration Times: 16:00 17:36

GC Column: RTX-CLP2

ID: 0.32 (mm)

LAB FILE ID:		CF 200 =	<u>PS031006.D</u>	CF 500 =	<u>PS031007.D</u>		
CF 750 =		<u>PS031008.D</u>	CF 1000 =	<u>PS031009.D</u>	CF 1500 =	<u>PS031010.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	16269400000	13765000000	13530200000	13537000000	12857400000	13991800000	9
2,4,5-TP(Silvex)	17216300000	14510800000	14174600000	14131100000	13346200000	14675800000	10
2,4-D	2058060000	1665160000	1617550000	1610710000	1545850000	1699460000	12
2,4-DB	1412490000	1151430000	1126050000	1131610000	1094330000	1183180000	11
2,4-DCAA	1258080000	1011280000	984071000	981302000	945431000	1036030000	12
DICAMBA	7306630000	6285710000	6261030000	6359950000	6168790000	6476420000	7
DICHLORPROP	1860680000	1491170000	1445400000	1431140000	1367910000	1519260000	13
Dinoseb	13202400000	11075600000	10918600000	11003800000	10557100000	11351500000	9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
 Data File : PS031006.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 16:00
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC200

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 03:15:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 03:14:30 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	7.332	7.769	964.4E6	251.6E6	256.754m	255.689
Target Compounds							
1) T	Dalapon	2.699	2.707	1359.2E6	617.1E6	234.829	227.615
2) T	3,5-DICHL...	6.494	6.716	1194.0E6	350.5E6	239.542	238.175
3) T	4-Nitroph...	7.134	7.304	287.7E6	359.3E6	223.294	214.127
5) T	DICAMBA	7.522	7.970	3524.3E6	1373.6E6	234.582	219.396
6) T	MCPD	7.700	8.065	153.7E6	38941915	16.629	18.218
7) T	MCPA	7.850	8.313	193.7E6	62375962	18.027	19.647
8) T	DICHLORPROP	8.234	8.691	779.7E6	349.8E6	241.890	242.016
9) T	2,4-D	8.468	9.028	668.7E6	386.9E6	228.056	239.199
10) T	Pentachlo...	8.773	9.550	12014.7E6	8612.5E6	235.540	226.008
11) T	2,4,5-TP ...	9.353	9.932	3940.1E6	3271.1E6	216.622	230.772
12) T	2,4,5-T	9.649	10.359	3069.2E6	3091.2E6	206.998	228.467
13) T	2,4-DB	10.228	10.928	436.6E6	268.4E6	209.069	238.332
14) T	DINOSEB	11.441	11.310	2709.5E6	2482.1E6	211.237	227.323
15) T	Picloram	11.264	12.425	2682.2E6	4609.1E6	187.392	197.690
16) T	DCPA	11.736	12.355	5033.6E6	4982.0E6	215.340	227.114

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031006.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:00
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations

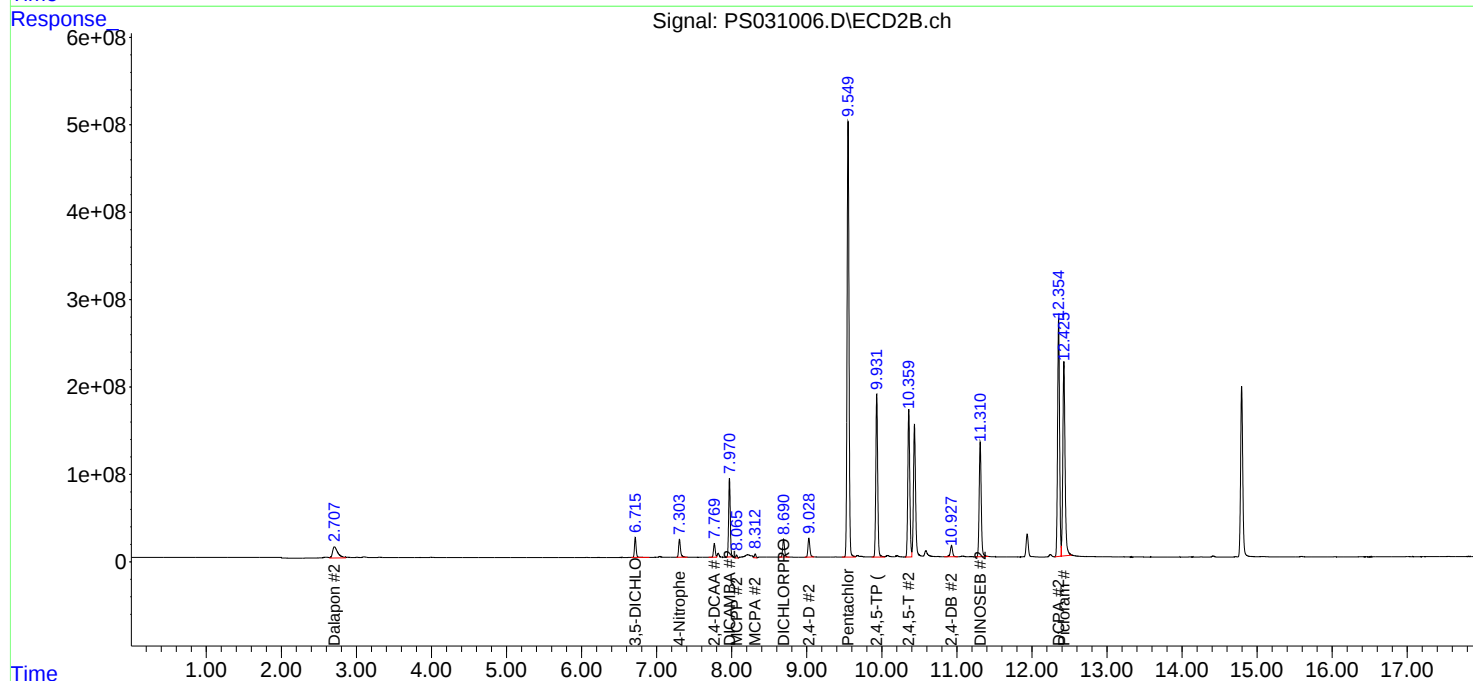
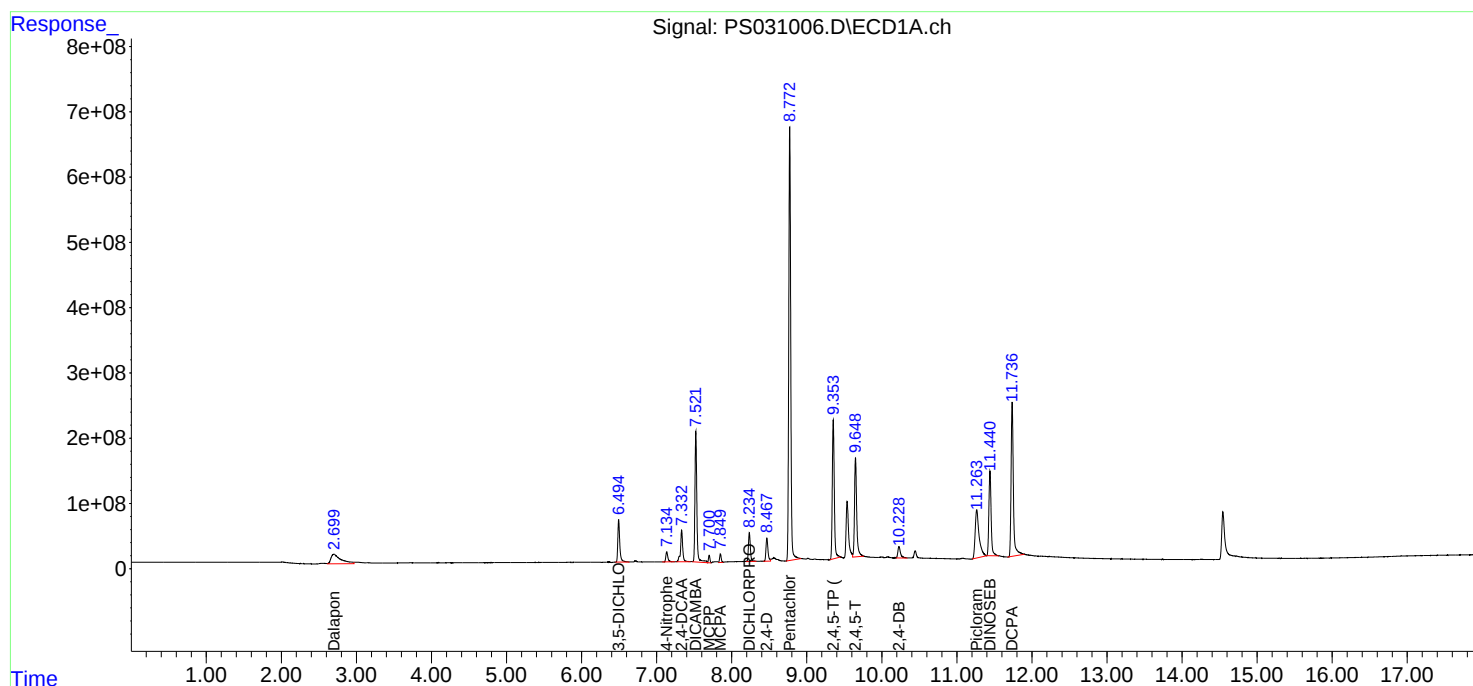
APPROVED

Reviewed By :Abdul Mirza 07/14/2025

Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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\PS071125\
 Data File : PS031007.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 16:24
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 03:15:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	1955.1E6	505.6E6	520.541m	513.825
Target Compounds							
1) T	Dalapon	2.695	2.706	2710.6E6	1273.1E6	468.306	469.589
2) T	3,5-DICHL...	6.494	6.715	2408.8E6	699.2E6	483.265	475.046
3) T	4-Nitroph...	7.133	7.302	604.5E6	764.7E6	469.192	455.711
5) T	DICAMBA	7.522	7.971	7262.3E6	2954.3E6	483.393	471.852
6) T	MCPD	7.701	8.067	405.3E6	97457930	43.845	45.592
7) T	MCPA	7.851	8.316	473.4E6	143.2E6	44.051	45.117
8) T	DICHLORPROP	8.234	8.690	1564.2E6	700.8E6	485.278	484.884
9) T	2,4-D	8.467	9.028	1402.6E6	782.6E6	478.366	483.834
10) T	Pentachlo...	8.773	9.550	25005.5E6	18493.4E6	490.216	485.303
11) T	2,4,5-TP ...	9.352	9.931	8678.6E6	6892.6E6	477.136	486.265
12) T	2,4,5-T	9.647	10.359	6951.4E6	6538.4E6	468.828	483.243
13) T	2,4-DB	10.225	10.926	970.0E6	546.9E6	464.473	485.707
14) T	DINOSEB	11.438	11.310	5994.7E6	5205.5E6	467.344	476.757
15) T	Picloram	11.256	12.422	6552.3E6	10862.6E6	457.775	465.908
16) T	DCPA	11.736	12.354	11264.6E6	10701.1E6	481.906	487.830

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031007.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:24
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

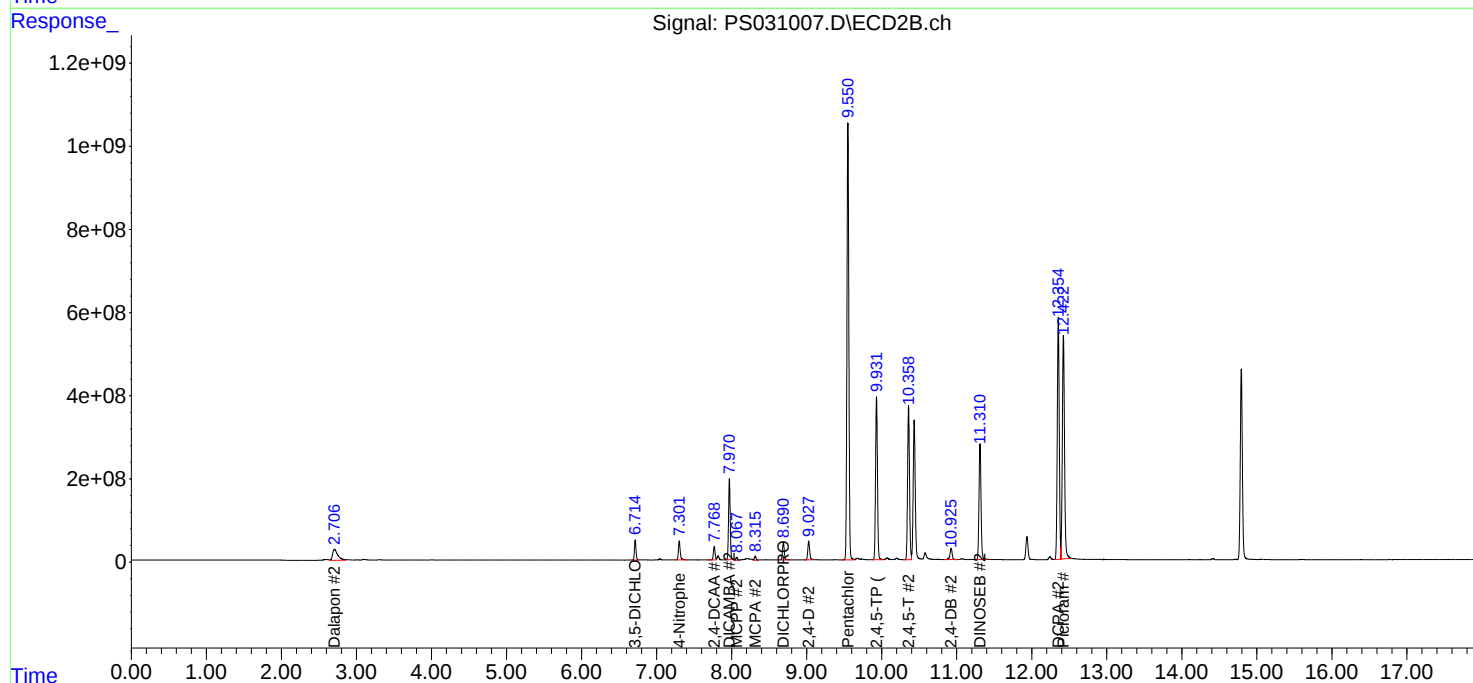
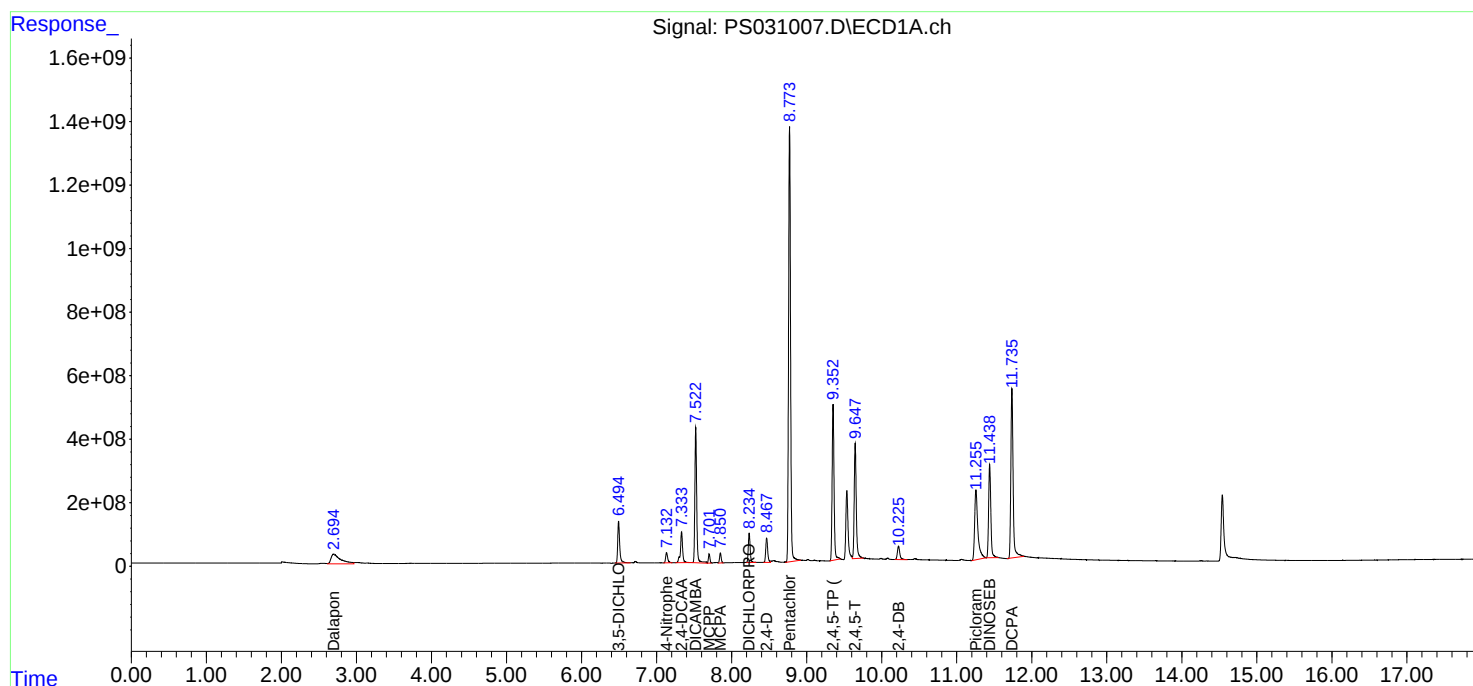
APPROVED

Reviewed By :Abdul Mirza 07/14/2025

Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:15:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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\PS071125\
 Data File : PS031008.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 16:48
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 03:16:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	2817.0E6	738.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.698	2.708	3950.3E6	1850.4E6	682.500	682.500
2) T	3,5-DICHL...	6.494	6.715	3476.6E6	1026.6E6	697.500	697.500
3) T	4-Nitroph...	7.132	7.301	879.4E6	1145.2E6	682.500	682.500
5) T	DICAMBA	7.522	7.971	10591.7E6	4414.0E6	705.000	705.000
6) T	MCPD	7.703	8.069	651.6E6	150.7E6	70.500	70.500
7) T	MCPA	7.853	8.319	749.6E6	221.4E6	69.750	69.750
8) T	DICHLORPROP	8.235	8.691	2272.5E6	1019.0E6	705.000	705.000
9) T	2,4-D	8.467	9.027	2067.0E6	1140.4E6	705.000	705.000
10) T	Pentachlo...	8.773	9.550	36344.0E6	27151.2E6	712.500	712.500
11) T	2,4,5-TP ...	9.353	9.932	12959.6E6	10099.4E6	712.500	712.500
12) T	2,4,5-T	9.647	10.358	10564.4E6	9640.2E6	712.500	712.500
13) T	2,4-DB	10.225	10.926	1487.9E6	802.3E6	712.500	712.500
14) T	DINOSEB	11.439	11.310	9043.1E6	7697.6E6	705.000	705.000
15) T	Picloram	11.254	12.421	10198.3E6	16611.9E6	712.500	712.500
16) T	DCPA	11.736	12.354	16830.2E6	15794.1E6	720.000	720.000

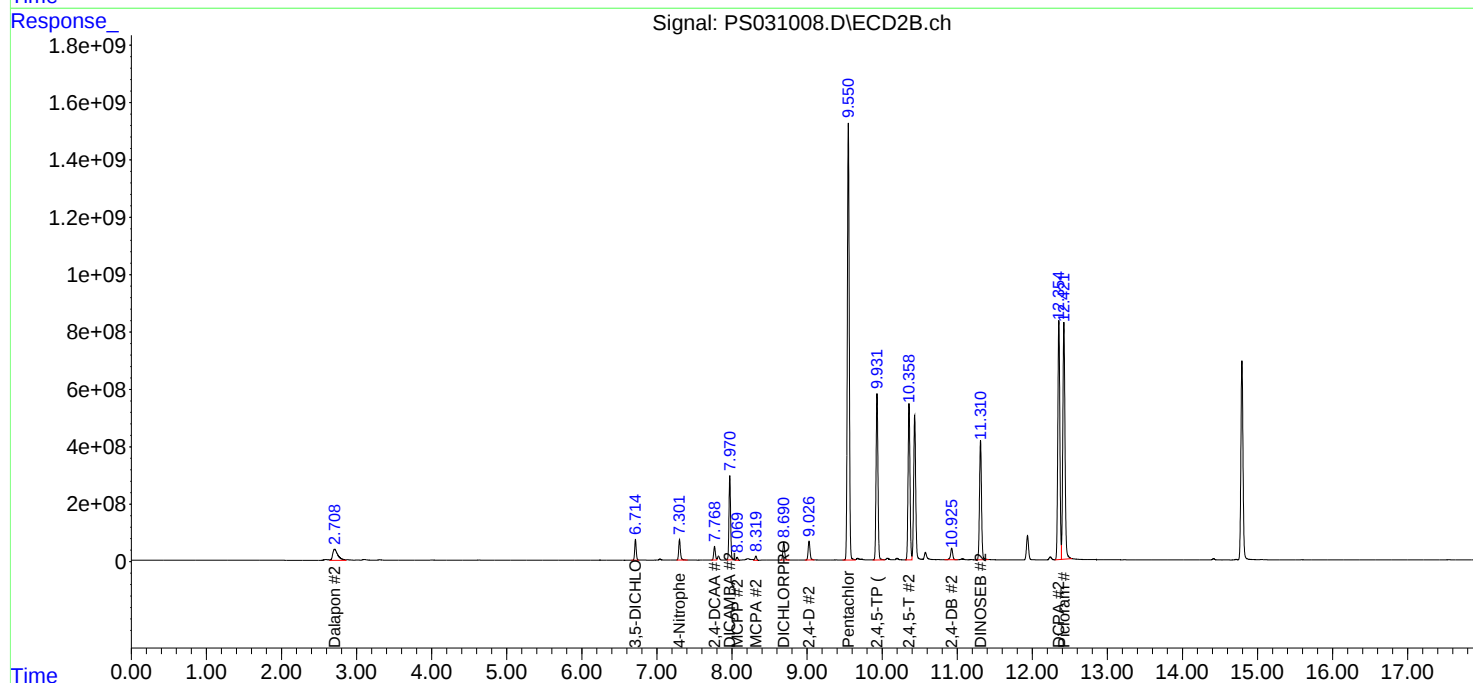
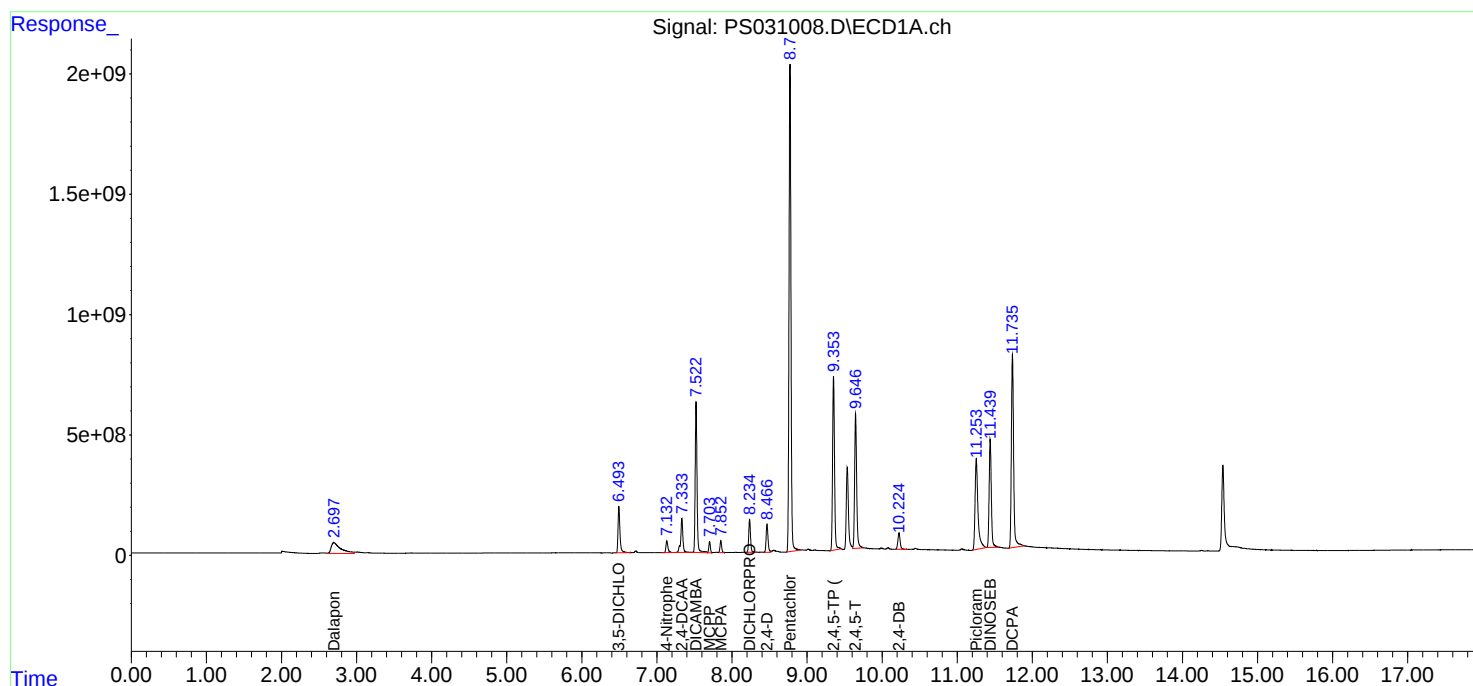
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031008.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:48
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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\PS071125\
 Data File : PS031009.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 17:12
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 03:16:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 03:14:30 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	7.333	7.769	3730.2E6	981.3E6	993.136	997.186
Target Compounds							
1) T	Dalapon	2.699	2.707	5242.2E6	2470.8E6	905.706	911.320
2) T	3,5-DICHL...	6.494	6.715	4586.7E6	1368.9E6	920.211	930.100
3) T	4-Nitroph...	7.132	7.301	1171.9E6	1553.4E6	909.484	925.730
5) T	DICAMBA	7.522	7.971	14074.6E6	5978.4E6	936.831	954.851
6) T	MCPD	7.705	8.072	923.0E6	208.2E6	99.864	97.395
7) T	MCPA	7.855	8.321	1059.6E6	300.4E6	98.600	94.607
8) T	DICHLORPROP	8.234	8.691	3026.5E6	1345.3E6	938.920	930.730
9) T	2,4-D	8.466	9.027	2798.2E6	1514.1E6	954.385	936.026
10) T	Pentachlo...	8.777	9.551	45014.0E6	36061.1E6	882.468	946.312
11) T	2,4,5-TP ...	9.353	9.933	17284.4E6	13424.5E6	950.271	947.084
12) T	2,4,5-T	9.647	10.359	14457.9E6	12860.2E6	975.095	950.482
13) T	2,4-DB	10.224	10.926	2058.2E6	1075.0E6	985.558	954.692
14) T	DINOSEB	11.439	11.311	12265.4E6	10343.6E6	956.211	947.331
15) T	Picloram	11.252	12.421	14210.5E6	22631.9E6	992.807	970.701
16) T	DCPA	11.736	12.355	22762.4E6	20994.2E6	973.783	957.057

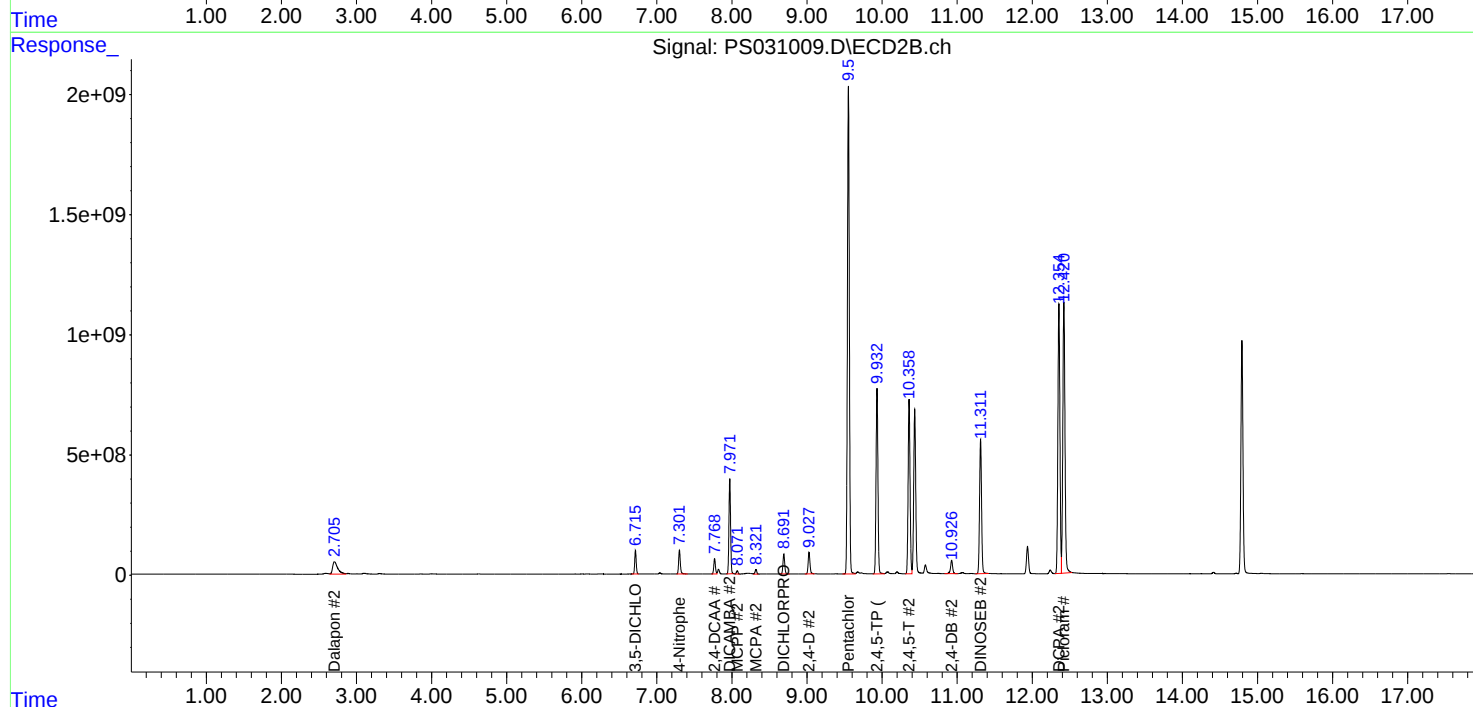
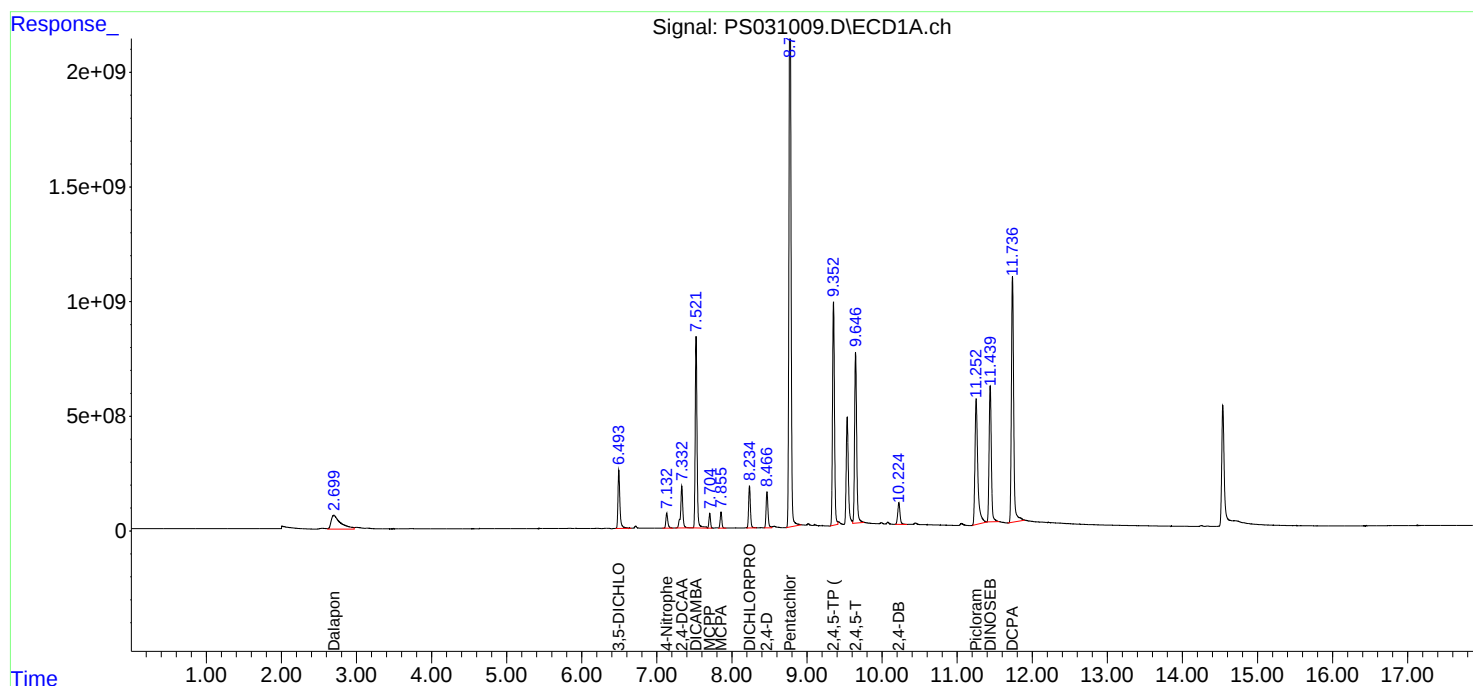
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031009.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:12
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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\PS071125\
 Data File : PS031010.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 17:36
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1500

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 03:16:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 03:14:30 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	7.332	7.767	5335.8E6	1418.1E6	1420.633m	1441.103
Target Compounds							
1) T	Dalapon	2.698	2.707	7486.5E6	3547.9E6	1293.460	1308.613
2) T	3,5-DICHL...	6.493	6.714	6524.9E6	1980.6E6	1309.060	1345.701
3) T	4-Nitroph...	7.131	7.300	1725.8E6	2292.6E6	1339.368	1366.259
5) T	DICAMBA	7.521	7.970	20106.6E6	8698.0E6	1338.332	1389.226
6) T	MCPD	7.707	8.074	1430.6E6	309.1E6	154.781	144.613
7) T	MCPA	7.857	8.324	1645.7E6	445.0E6	153.134	140.171
8) T	DICHLORPROP	8.234	8.689	4381.4E6	1928.8E6	1359.272	1334.416
9) T	2,4-D	8.466	9.025	4148.9E6	2179.6E6	1415.062	1347.498
10) T	Pentachlo...	8.782	9.550	52777.9E6	46094.6E6	1034.675	1209.611
11) T	2,4,5-TP ...	9.352	9.931	25168.8E6	19018.3E6	1383.742	1341.717
12) T	2,4,5-T	9.646	10.358	21706.0E6	18321.9E6	1463.931	1354.148
13) T	2,4-DB	10.223	10.925	3219.3E6	1559.4E6	1541.540	1384.859
14) T	DINOSEB	11.439	11.310	18156.7E6	14885.6E6	1415.498	1363.317
15) T	Picloram	11.250	12.420	22339.0E6	32971.5E6	1560.697	1414.175
16) T	DCPA	11.735	12.353	32997.7E6	29826.3E6	1411.653	1359.686m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031010.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 17:36
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

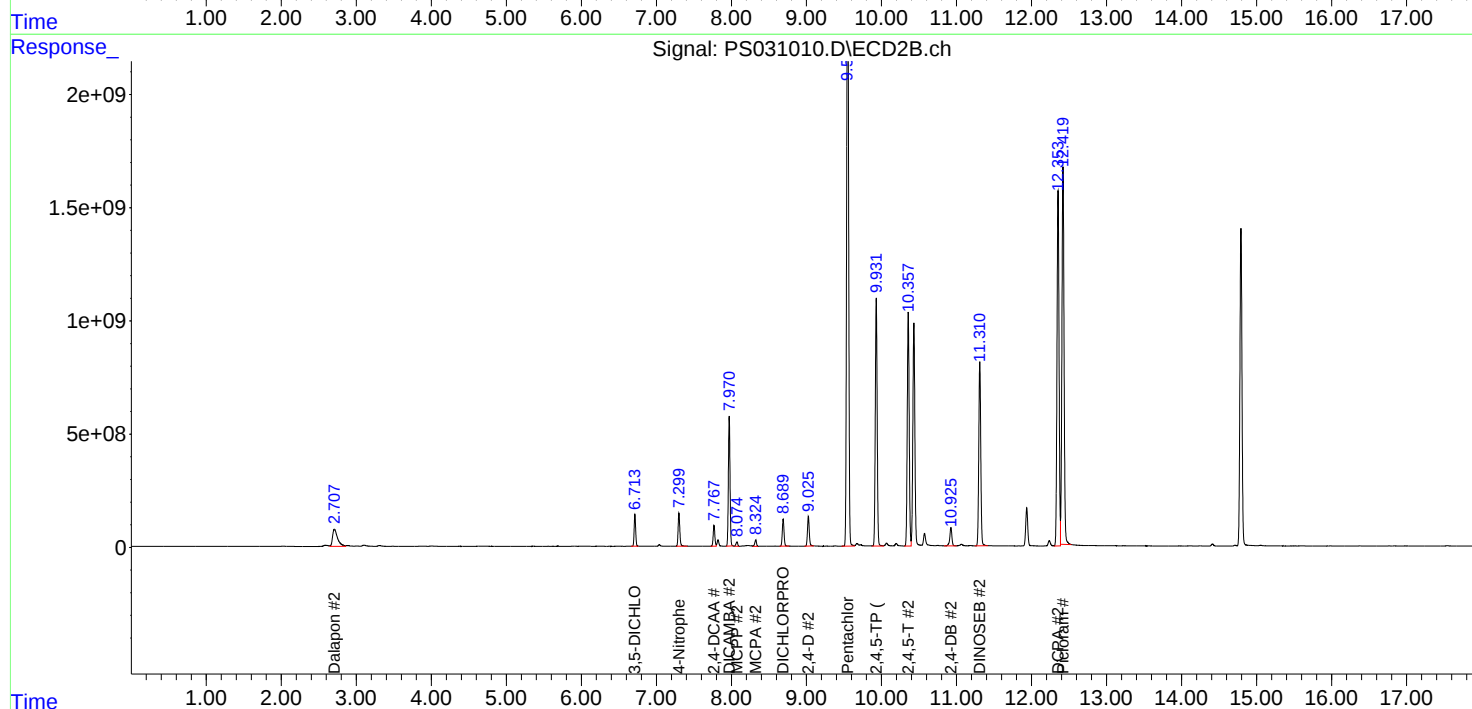
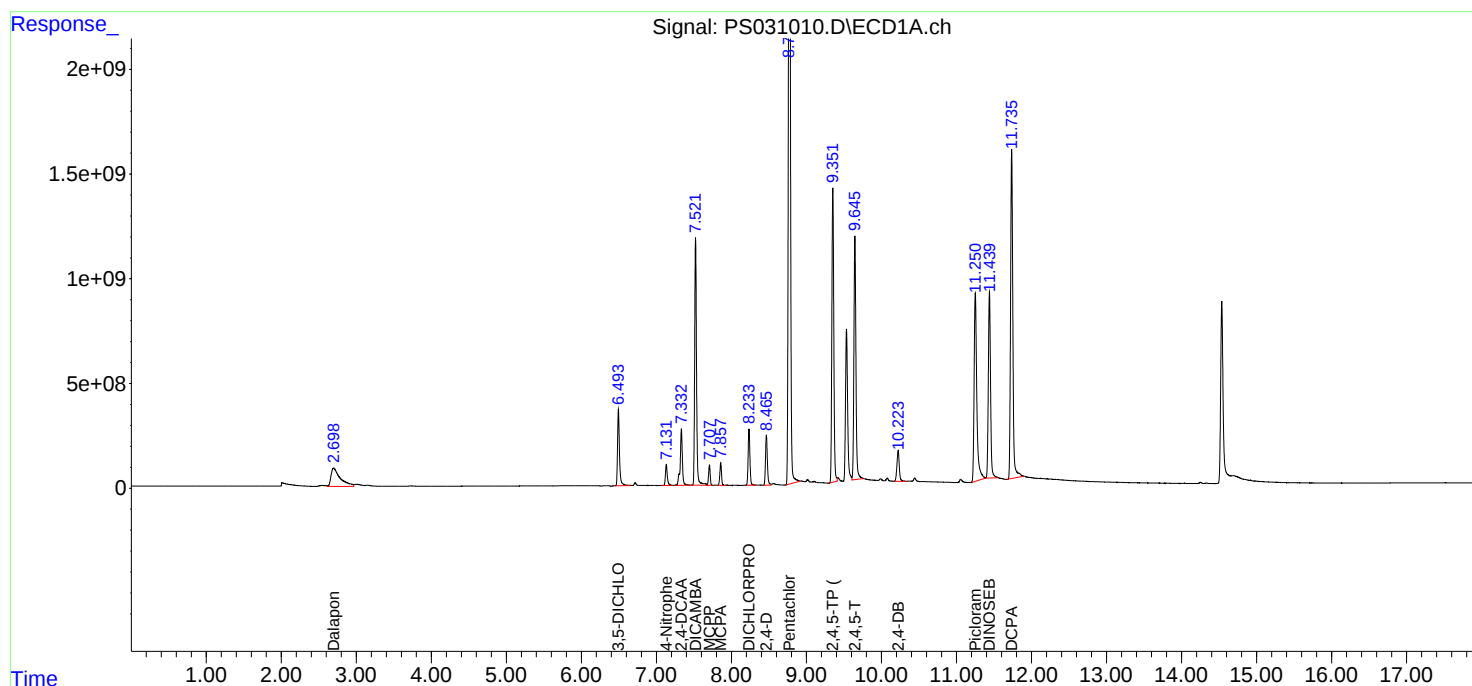
Instrument :
ECD_S
ClientSampleId :
HSTDICC1500

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 03:16:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 03:14:30 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\PS071125\
 Data File : PS031011.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 18:00
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 ICVPS071125

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 14 06:06:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.332	7.768	2825.0E6	731.4E6	714.274	705.963
Target Compounds							
1) T	Dalapon	2.695	2.706	3939.2E6	1843.1E6	646.655	648.311
2) T	3,5-DICHL...	6.493	6.714	3460.4E6	1019.8E6	660.550	657.810
3) T	4-Nitroph...	7.132	7.301	889.5E6	1143.6E6	658.879	655.777
5) T	DICAMBA	7.521	7.970	10533.5E6	4396.1E6	671.311	678.778
6) T	MCPD	7.703	8.069	652.1E6	151.4E6	70.866	70.806
7) T	MCPA	7.852	8.318	753.4E6	219.4E6	69.076	68.455
8) T	DICHLORPROP	8.234	8.690	2289.8E6	1012.0E6	672.461	666.146
9) T	2,4-D	8.466	9.026	2119.0E6	1134.8E6	688.327	667.745
10) T	Pentachlo...	8.772	9.550	36604.6E6	27066.6E6	728.282	702.389
11) T	2,4,5-TP ...	9.351	9.931	13144.8E6	10082.1E6	706.301	686.990
12) T	2,4,5-T	9.646	10.358	10944.0E6	9628.3E6	719.369	688.141
13) T	2,4-DB	10.224	10.926	1553.9E6	805.1E6	715.821	680.422
14) T	DINOSEB	11.439	11.311	9337.6E6	7679.2E6	708.255	676.490
15) T	Picloram	11.253	12.421	10790.8E6	16807.3E6	740.520	715.792
16) T	DCPA	11.736	12.354	17450.4E6	15781.9E6	729.009	699.801

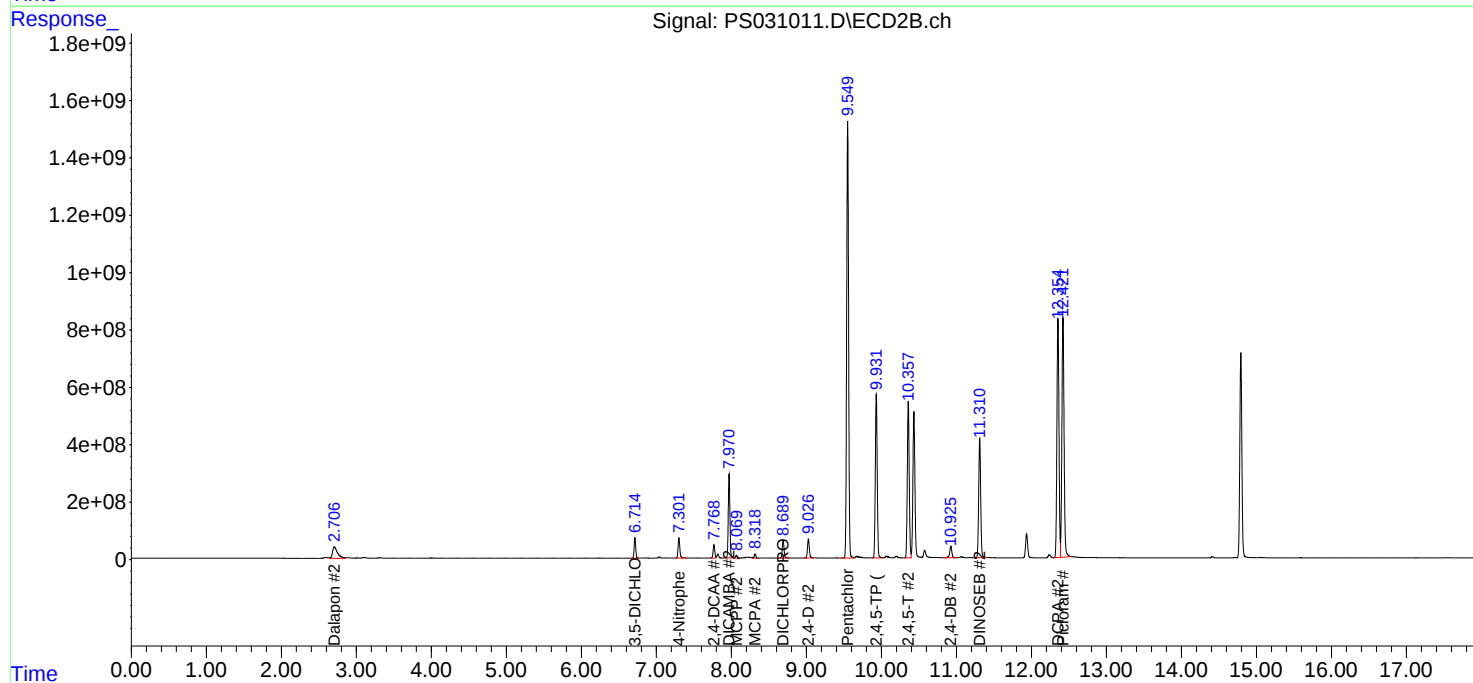
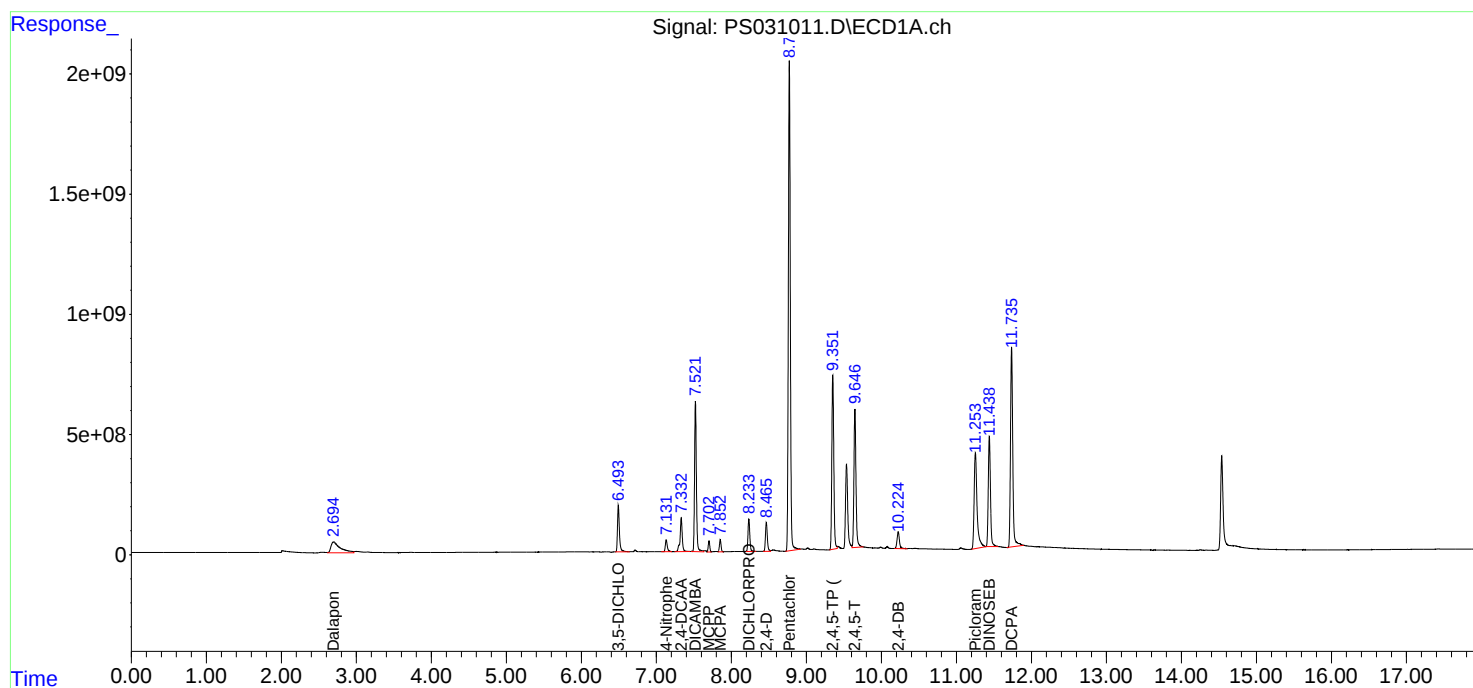
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031011.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 18:00
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
ICVPS071125

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/14/2025

Initial Calibration Date(s): 07/11/2025 07/11/2025

Continuing Calib Time: 16:34

Initial Calibration Time(s): 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.65	9.65	9.55	9.75	0.00
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/14/2025

Initial Calibration Date(s): 07/11/2025

07/11/2025

Continuing Calib Time: 16:34

Initial Calibration Time(s): 16:00

17:36

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

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



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031022.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.646	9.547	9.747	783.010	712.500	9.9
2,4,5-TP(Silvex)	9.351	9.253	9.453	715.530	712.500	0.4
2,4-D	8.466	8.367	8.567	745.710	705.000	5.8
2,4-DB	10.223	10.125	10.325	830.760	712.500	16.6
2,4-DCAA	7.332	7.233	7.433	695.670	750.000	-7.2
DICAMBA	7.521	7.422	7.622	650.910	705.000	-7.7
DICHLORPROP	8.234	8.135	8.335	655.790	705.000	-7.0
Dinoseb	11.440	11.339	11.539	724.700	705.000	2.8



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL01 **Date Analyzed:** 07/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031022.D **Time Analyzed:** 16:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.356	10.258	10.458	620.360	712.500	-12.9
2,4,5-TP(Silvex)	9.929	9.832	10.032	618.290	712.500	-13.2
2,4-D	9.024	8.927	9.127	599.860	705.000	-14.9
2,4-DB	10.924	10.826	11.026	610.180	712.500	-14.4
2,4-DCAA	7.766	7.669	7.869	627.630	750.000	-16.3
DICAMBA	7.968	7.871	8.071	603.010	705.000	-14.5
DICHLORPROP	8.688	8.591	8.791	597.240	705.000	-15.3
Dinoseb	11.308	11.210	11.410	608.040	705.000	-13.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
 Data File : PS031022.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Jul 2025 16:34
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/16/2025
 Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 15 01:30:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.332	7.766	2751.4E6	650.2E6	695.675	627.629
Target Compounds							
1) T	Dalapon	2.695	2.703	3735.3E6	1651.5E6	613.182	580.913
2) T	3,5-DICHL...	6.493	6.712	3350.4E6	901.4E6	639.553	581.421
3) T	4-Nitroph...	7.132	7.299	966.6E6	1034.6E6	716.015	593.246
5) T	DICAMBA	7.521	7.968	10213.4E6	3905.4E6	650.911	603.011
6) T	MCPD	7.702	8.066	605.0E6	132.1E6	65.747	61.782
7) T	MCPA	7.852	8.315	734.9E6	192.9E6	67.384	60.178
8) T	DICHLORPROP	8.234	8.688	2233.1E6	907.4E6	655.794	597.242
9) T	2,4-D	8.466	9.024	2295.6E6	1019.4E6	745.712	599.861
10) T	Pentachlo...	8.773	9.548	35362.2E6	24395.8E6	703.564	633.082
11) T	2,4,5-TP ...	9.351	9.929	13316.6E6	9073.9E6	715.531	618.288
12) T	2,4,5-T	9.646	10.356	11912.2E6	8679.9E6	783.012	620.357
13) T	2,4-DB	10.223	10.924	1803.4E6	721.9E6	830.761	610.176 #
14) T	DINOSEB	11.440	11.308	9554.3E6	6902.2E6	724.696	608.041
15) T	Picloram	11.251	12.419	12460.1E6	15508.2E6	855.075m	660.468
16) T	DCPA	11.737	12.352	17794.4E6	14170.0E6	743.379	628.326

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 16:34
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

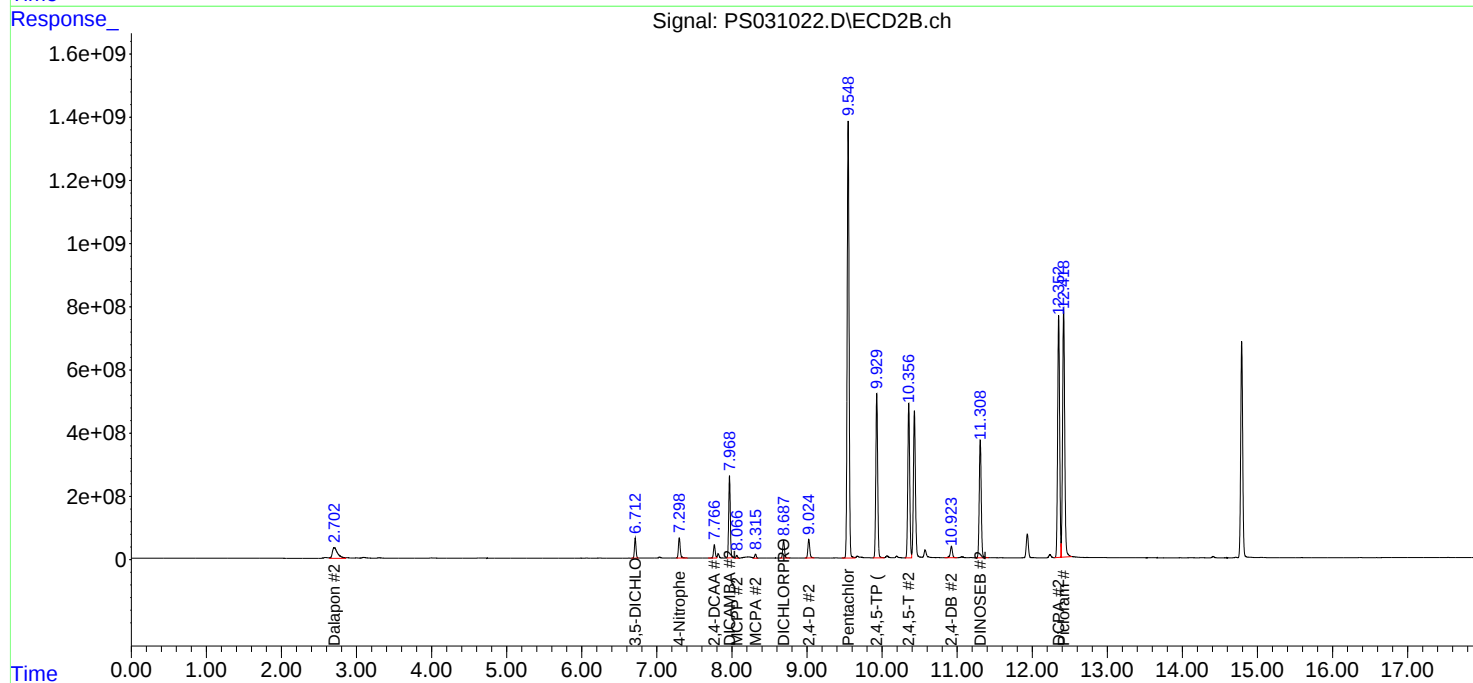
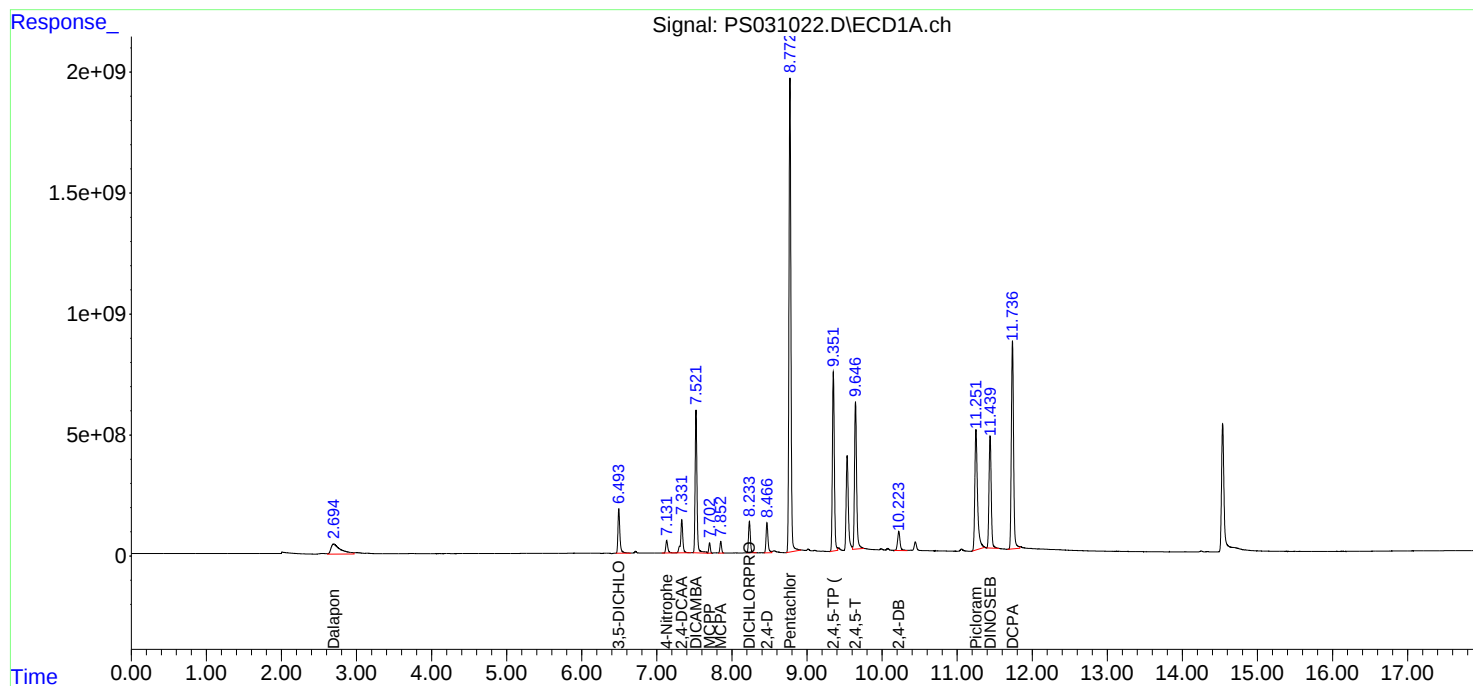
APPROVED

Reviewed By :Abdul Mirza 07/16/2025

Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/14/2025

Initial Calibration Date(s): 07/11/2025 07/11/2025

Continuing Calib Time: 21:09

Initial Calibration Time(s): 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.52	7.52	7.42	7.62	0.00
2,4-DCAA	7.33	7.33	7.23	7.43	0.00
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.47	8.47	8.37	8.57	0.00
2,4,5-TP(Silvex)	9.35	9.35	9.25	9.45	0.00
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.22	10.23	10.13	10.33	0.01
Dinoseb	11.44	11.44	11.34	11.54	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/14/2025

Initial Calibration Date(s): 07/11/2025

07/11/2025

Continuing Calib Time: 21:09

Initial Calibration Time(s): 16:00

17:36

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031028.D **Time Analyzed:** 21:09

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.644	9.547	9.747	779.770	712.500	9.4
2,4,5-TP(Silvex)	9.350	9.253	9.453	713.000	712.500	0.1
2,4-D	8.465	8.367	8.567	718.070	705.000	1.9
2,4-DB	10.221	10.125	10.325	828.510	712.500	16.3
2,4-DCAA	7.331	7.233	7.433	615.310	750.000	-18.0
DICAMBA	7.520	7.422	7.622	637.220	705.000	-9.6
DICHLORPROP	8.232	8.135	8.335	653.380	705.000	-7.3
Dinoseb	11.436	11.339	11.539	719.910	705.000	2.1



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL02 **Date Analyzed:** 07/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031028.D **Time Analyzed:** 21:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.358	10.258	10.458	625.920	712.500	-12.2
2,4,5-TP(Silvex)	9.932	9.832	10.032	624.030	712.500	-12.4
2,4-D	9.027	8.927	9.127	604.190	705.000	-14.3
2,4-DB	10.926	10.826	11.026	615.440	712.500	-13.6
2,4-DCAA	7.768	7.669	7.869	636.340	750.000	-15.2
DICAMBA	7.971	7.871	8.071	608.800	705.000	-13.6
DICHLORPROP	8.691	8.591	8.791	602.040	705.000	-14.6
Dinoseb	11.311	11.210	11.410	610.300	705.000	-13.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
 Data File : PS031028.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Jul 2025 21:09
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/16/2025
 Supervised By :mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 15 01:32:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.331	7.768	2433.6E6	659.3E6	615.313	636.336
Target Compounds							
1) T	Dalapon	2.695	2.706	3611.5E6	1652.1E6	592.858	581.143
2) T	3,5-DICHL...	6.492	6.715	3314.0E6	908.9E6	632.620	586.254
3) T	4-Nitroph...	7.130	7.301	959.5E6	1035.9E6	710.710	593.998
5) T	DICAMBA	7.520	7.971	9998.6E6	3942.8E6	637.221	608.800
6) T	MCPD	7.701	8.069	604.9E6	132.4E6	65.737	61.948
7) T	MCPA	7.851	8.318	739.2E6	196.0E6	67.771	61.146
8) T	DICHLORPROP	8.232	8.691	2224.8E6	914.7E6	653.376	602.043
9) T	2,4-D	8.465	9.027	2210.5E6	1026.8E6	718.070	604.194
10) T	Pentachlo...	8.771	9.550	35204.2E6	24634.0E6	700.420	639.262
11) T	2,4,5-TP ...	9.350	9.932	13269.4E6	9158.1E6	712.999	624.030
12) T	2,4,5-T	9.644	10.358	11862.9E6	8757.8E6	779.772	625.925
13) T	2,4-DB	10.221	10.926	1798.5E6	728.2E6	828.510	615.442 #
14) T	DINOSEB	11.436	11.311	9491.2E6	6927.9E6	719.909	610.304
15) T	Picloram	11.249	12.421	12357.8E6	15589.0E6	848.056m	663.906
16) T	DCPA	11.733	12.354	17904.0E6	14311.0E6	747.958	634.580

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031028.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 21:09
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

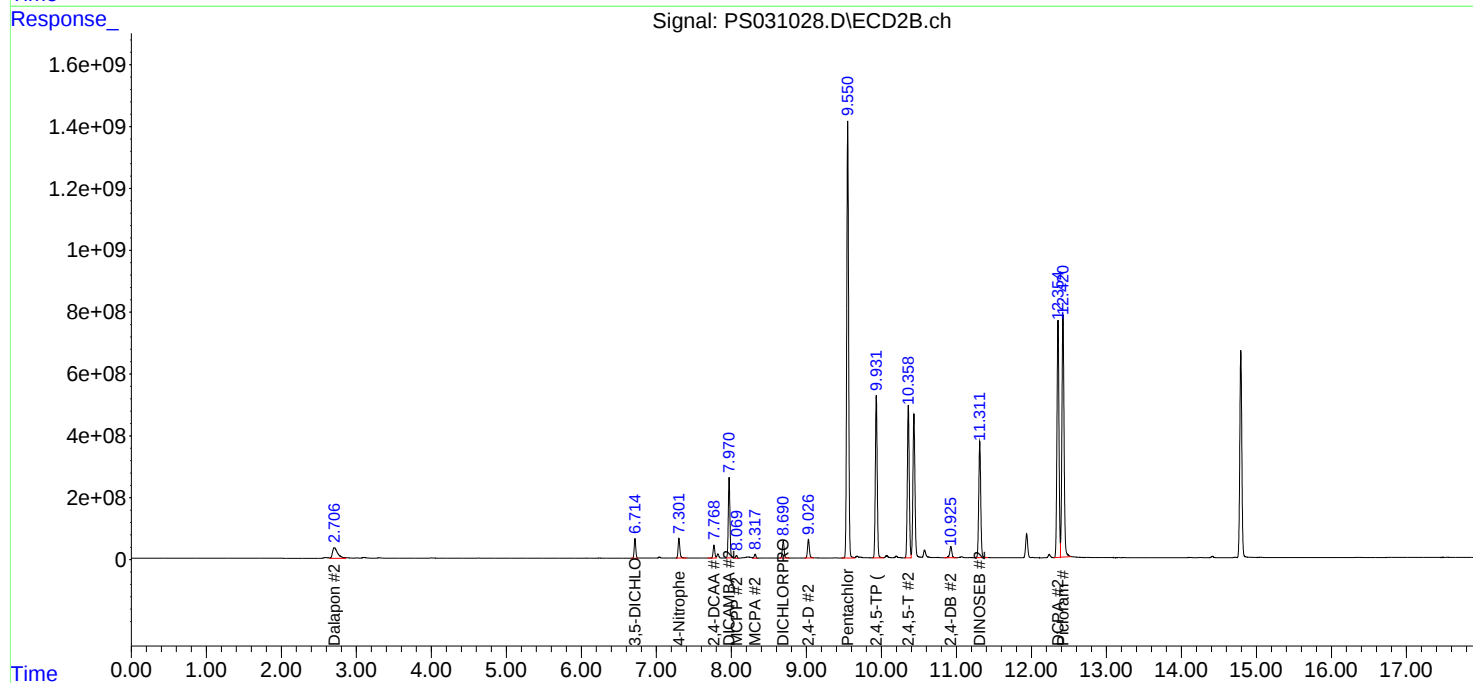
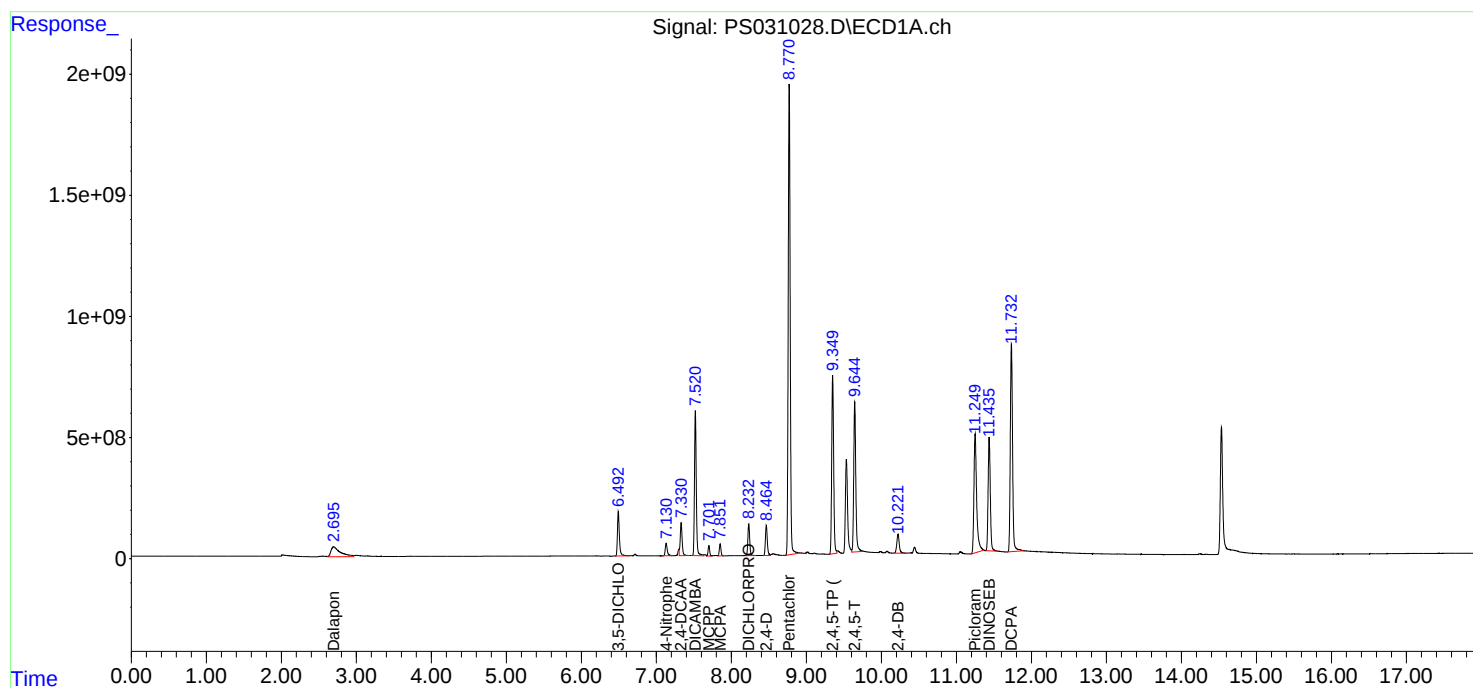
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/16/2025
Supervised By : mohammad ahmed 07/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:32:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/18/2025

Initial Calibration Date(s): 07/11/2025

07/11/2025

Continuing Calib Time: 21:22

Initial Calibration Time(s): 16:00

17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.51	7.52	7.42	7.62	0.01
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.64	9.65	9.55	9.75	0.01
2,4-DB	10.21	10.23	10.13	10.33	0.02
Dinoseb	11.43	11.44	11.34	11.54	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/18/2025

Initial Calibration Date(s): 07/11/2025

07/11/2025

Continuing Calib Time: 21:22

Initial Calibration Time(s): 16:00

17:36

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

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



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CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031144.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.636	9.547	9.747	850.050	712.500	19.3
2,4,5-TP(Silvex)	9.342	9.253	9.453	804.740	712.500	12.9
2,4-D	8.456	8.367	8.567	830.710	705.000	17.8
2,4-DB	10.212	10.125	10.325	846.420	712.500	18.8
2,4-DCAA	7.324	7.233	7.433	726.770	750.000	-3.1
DICAMBA	7.514	7.422	7.622	633.820	705.000	-10.1
DICHLORPROP	8.225	8.135	8.335	765.780	705.000	8.6
Dinoseb	11.427	11.339	11.539	785.940	705.000	11.5



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL03 **Date Analyzed:** 07/18/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031144.D **Time Analyzed:** 21:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.355	10.258	10.458	657.810	712.500	-7.7
2,4,5-TP(Silvex)	9.928	9.832	10.032	675.600	712.500	-5.2
2,4-D	9.023	8.927	9.127	699.880	705.000	-0.7
2,4-DB	10.922	10.826	11.026	628.760	712.500	-11.8
2,4-DCAA	7.766	7.669	7.869	674.350	750.000	-10.1
DICAMBA	7.968	7.871	8.071	640.590	705.000	-9.1
DICHLORPROP	8.687	8.591	8.791	675.920	705.000	-4.1
Dinoseb	11.307	11.210	11.410	635.440	705.000	-9.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
 Data File : PS031144.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 21:22
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:22:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.324	7.766	2874.4E6	698.7E6	726.771	674.352
Target Compounds							
1) T	Dalapon	2.695	2.703	3578.9E6	1698.2E6	587.498	597.363
2) T	3,5-DICHL...	6.487	6.713	3601.3E6	949.1E6	687.461	612.192
3) T	4-Nitroph...	7.125	7.299	1145.4E6	1092.5E6	848.474	626.459 #
5) T	DICAMBA	7.514	7.968	9945.2E6	4148.7E6	633.817	640.585
6) T	MCPD	7.695	8.067	673.1E6	131.2E6	73.155m	61.361
7) T	MCPA	7.845	8.315	825.4E6	201.1E6	75.681	62.727
8) T	DICHLORPROP	8.225	8.687	2607.6E6	1026.9E6	765.784	675.916
9) T	2,4-D	8.456	9.023	2557.3E6	1189.4E6	830.705m	699.877
10) T	Pentachlo...	8.761	9.547	40940.3E6	26363.0E6	814.545m	684.131
11) T	2,4,5-TP ...	9.342	9.928	14976.9E6	9915.0E6	804.743	675.600
12) T	2,4,5-T	9.636	10.355	12932.0E6	9204.0E6	850.047m	657.811
13) T	2,4-DB	10.212	10.922	1837.4E6	743.9E6	846.415m	628.760 #
14) T	DINOSEB	11.427	11.307	10361.8E6	7213.2E6	785.940m	635.440
15) T	Picloram	11.236	12.417	15388.5E6	16539.0E6	1056.038m	704.366 #
16) T	DCPA	11.724	12.351	19335.1E6	15104.5E6	807.745	669.762m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031144.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:22
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

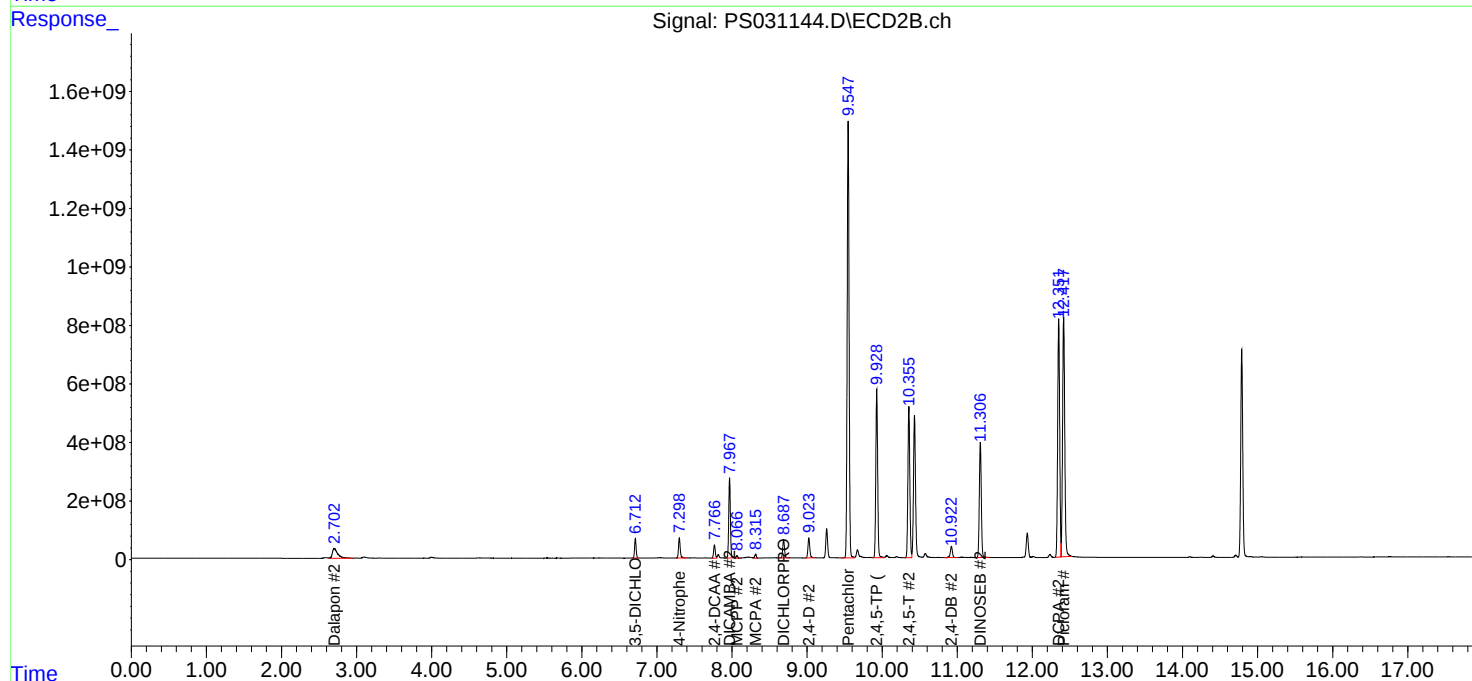
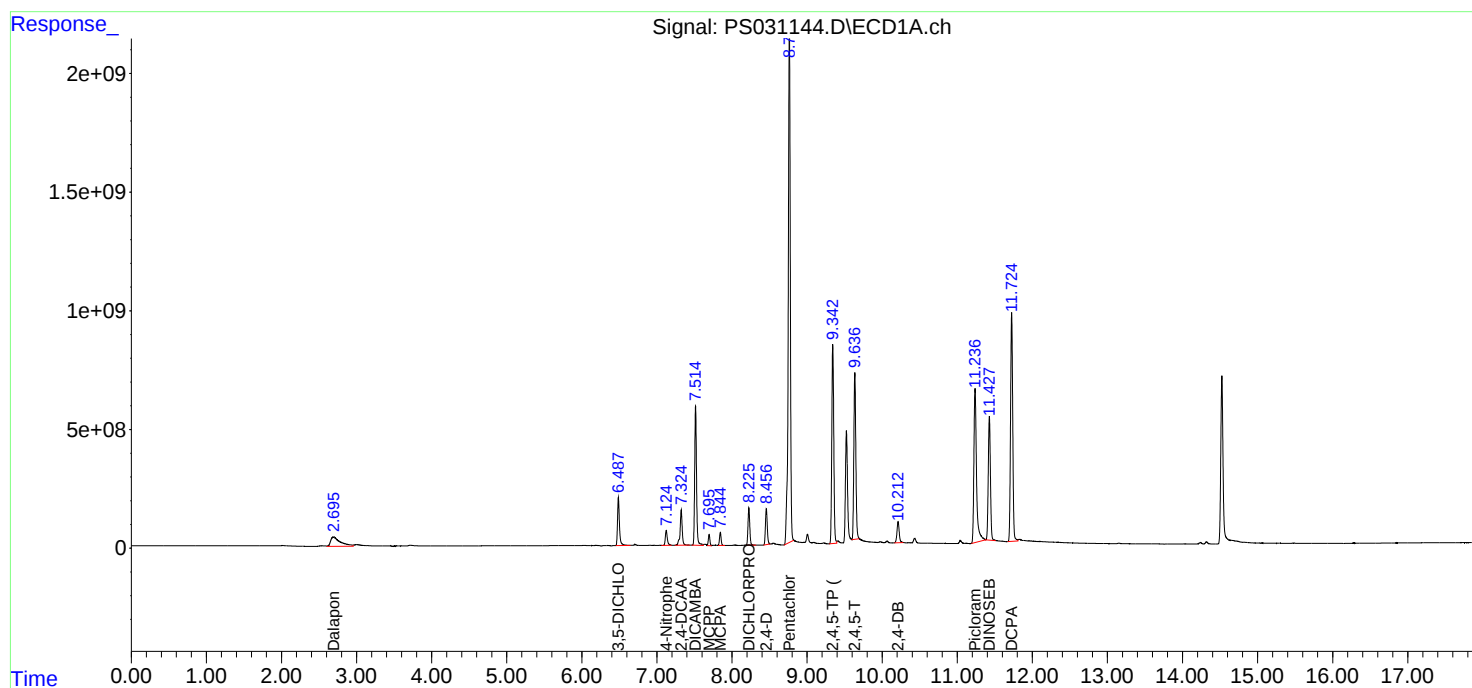
APPROVED

Reviewed By :Abdul Mirza 07/21/2025

Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/19/2025

Initial Calibration Date(s): 07/11/2025 07/11/2025

Continuing Calib Time: 01:23

Initial Calibration Time(s): 16:00 17:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.51	7.52	7.42	7.62	0.01
2,4-DCAA	7.32	7.33	7.23	7.43	0.01
DICHLORPROP	8.23	8.24	8.14	8.34	0.01
2,4-D	8.46	8.47	8.37	8.57	0.01
2,4,5-TP(Silvex)	9.34	9.35	9.25	9.45	0.01
2,4,5-T	9.63	9.65	9.55	9.75	0.02
2,4-DB	10.21	10.23	10.13	10.33	0.02
Dinoseb	11.43	11.44	11.34	11.54	0.01



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Continuing Calib Date: 07/19/2025

Initial Calibration Date(s): 07/11/2025 07/11/2025

Continuing Calib Time: 01:23

Initial Calibration Time(s): 16:00 17:36

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

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



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031154.D **Time Analyzed:** 01:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.634	9.547	9.747	850.700	712.500	19.4
2,4,5-TP(Silvex)	9.341	9.253	9.453	799.060	712.500	12.1
2,4-D	8.456	8.367	8.567	832.130	705.000	18.0
2,4-DB	10.212	10.125	10.325	844.050	712.500	18.5
2,4-DCAA	7.324	7.233	7.433	724.370	750.000	-3.4
DICAMBA	7.513	7.422	7.622	632.640	705.000	-10.3
DICHLORPROP	8.225	8.135	8.335	762.560	705.000	8.2
Dinoseb	11.425	11.339	11.539	764.380	705.000	8.4



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

CALIBRATION VERIFICATION SUMMARY

Lab Name: Alliance **Contract:** CAMP02
Lab Code: ACE **SDG NO.:** Q2543
GC Column: RTX-CLP2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 07/11/2025 07/11/2025

Client Sample No.: CCAL04 **Date Analyzed:** 07/19/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS031154.D **Time Analyzed:** 01:23

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	10.355	10.258	10.458	653.850	712.500	-8.2
2,4,5-TP(Silvex)	9.928	9.832	10.032	673.340	712.500	-5.5
2,4-D	9.023	8.927	9.127	693.610	705.000	-1.6
2,4-DB	10.923	10.826	11.026	629.860	712.500	-11.6
2,4-DCAA	7.765	7.669	7.869	671.450	750.000	-10.5
DICAMBA	7.967	7.871	8.071	639.590	705.000	-9.3
DICHLORPROP	8.687	8.591	8.791	665.820	705.000	-5.6
Dinoseb	11.306	11.210	11.410	623.520	705.000	-11.6

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
 Data File : PS031154.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Jul 2025 01:23
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDCCC750

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 06:18:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.324	7.765	2864.9E6	695.6E6	724.371	671.450
Target Compounds							
1) T	Dalapon	2.690	2.702	3546.8E6	1690.8E6	582.238	594.769
2) T	3,5-DICHL...	6.487	6.712	3601.3E6	948.5E6	687.454	611.833
3) T	4-Nitroph...	7.123	7.299	1126.3E6	1085.4E6	834.306m	622.396 #
5) T	DICAMBA	7.513	7.967	9926.7E6	4142.3E6	632.641	639.591
6) T	MCPD	7.694	8.066	554.6E6	129.0E6	60.269	60.321
7) T	MCPA	7.844	8.315	825.6E6	192.8E6	75.693	60.144
8) T	DICHLORPROP	8.225	8.687	2596.7E6	1011.6E6	762.565	665.820
9) T	2,4-D	8.456	9.023	2561.7E6	1178.8E6	832.128m	693.614
10) T	Pentachlo...	8.761	9.547	41089.3E6	26234.1E6	817.509m	680.785
11) T	2,4,5-TP ...	9.341	9.928	14871.1E6	9881.8E6	799.059	673.344
12) T	2,4,5-T	9.634	10.355	12941.9E6	9148.5E6	850.699m	653.850
13) T	2,4-DB	10.212	10.923	1832.2E6	745.2E6	844.046m	629.861 #
14) T	DINOSEB	11.425	11.306	10077.5E6	7077.9E6	764.382m	623.522
15) T	Picloram	11.236	12.417	15446.8E6	16429.1E6	1060.040m	699.688 #
16) T	DCPA	11.723	12.351	18958.2E6	15040.8E6	791.999m	666.938m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031154.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 01:23
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

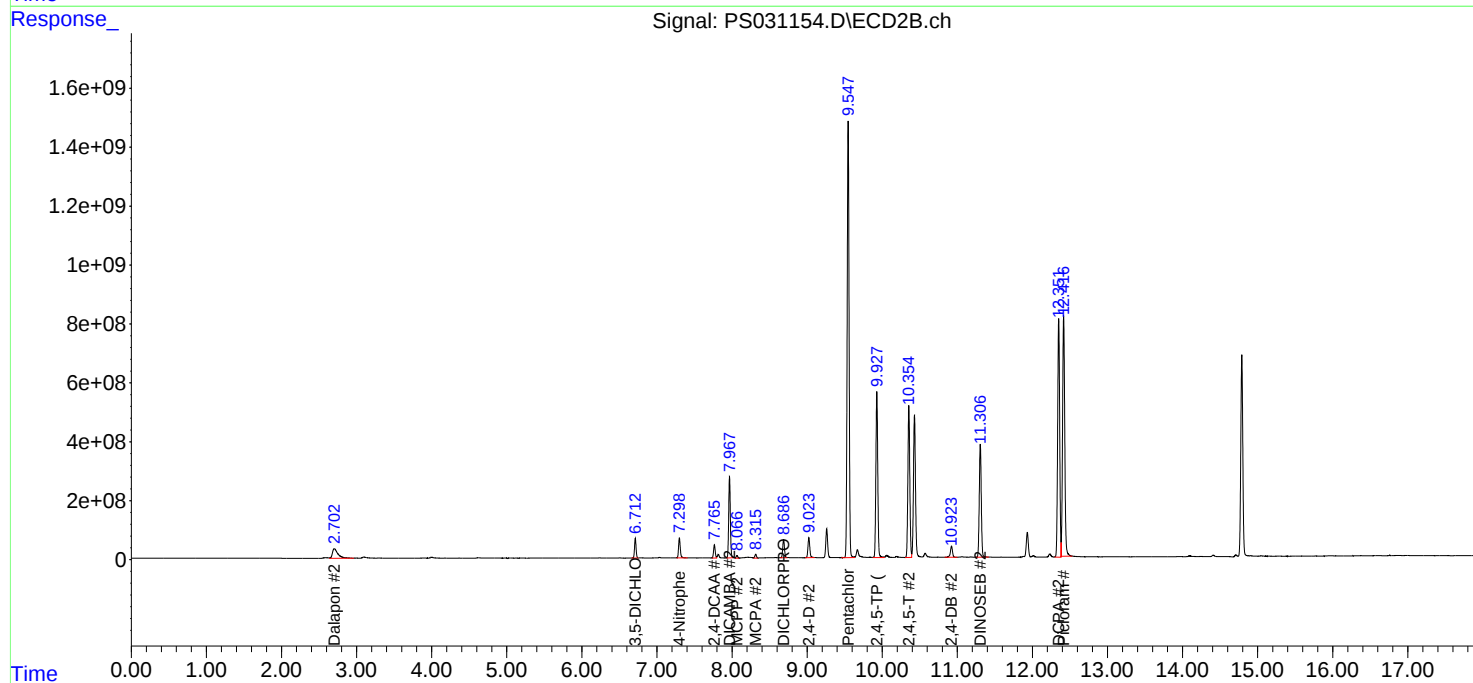
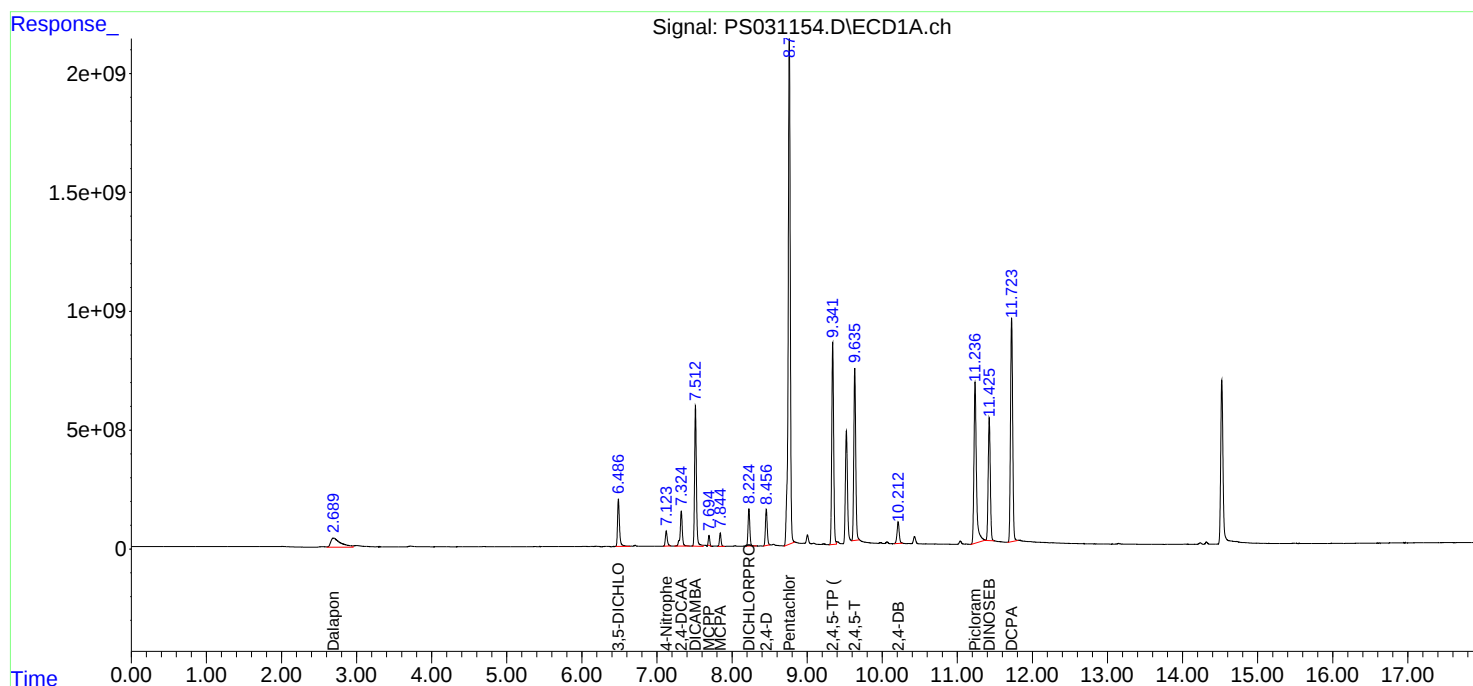
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Analytical Sequence

Client: CDM Smith	SDG No.: Q2543
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 07/11/2025 07/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	07/11/2025	15:35	PS031005.D	7.33	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.33	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.33	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.33	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.33	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.33	0.00
IBLK	IBLK	07/14/2025	12:17	PS031021.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	16:34	PS031022.D	7.33	0.00
PB168811BL	PB168811BL	07/14/2025	17:10	PS031023.D	7.33	0.00
PB168811BS	PB168811BS	07/14/2025	17:38	PS031024.D	7.33	0.00
IBLK	IBLK	07/14/2025	19:32	PS031027.D	7.33	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	21:09	PS031028.D	7.33	0.00
IBLK	IBLK	07/18/2025	20:34	PS031143.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/18/2025	21:22	PS031144.D	7.32	0.00
TP-30MS	Q2529-10MS	07/18/2025	21:46	PS031145.D	7.32	0.00
TP-30MSD	Q2529-10MSD	07/18/2025	22:10	PS031146.D	7.32	0.00
TP-41	Q2543-01	07/18/2025	22:34	PS031147.D	7.32	0.00
TP-49	Q2543-02	07/18/2025	22:59	PS031148.D	7.32	0.00
TP-23	Q2543-03	07/18/2025	23:23	PS031149.D	7.32	0.00
TP-23-99	Q2543-04	07/18/2025	23:47	PS031150.D	7.32	0.00
IBLK	IBLK	07/19/2025	00:59	PS031153.D	7.32	0.00
HSTDCCC750	HSTDCCC750	07/19/2025	01:23	PS031154.D	7.32	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2543
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 07/11/2025 07/11/2025

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

CLIENT ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	07/11/2025	15:35	PS031005.D	7.77	0.00
HSTDICC200	HSTDICC200	07/11/2025	16:00	PS031006.D	7.77	0.00
HSTDICC500	HSTDICC500	07/11/2025	16:24	PS031007.D	7.77	0.00
HSTDICC750	HSTDICC750	07/11/2025	16:48	PS031008.D	7.77	0.00
HSTDICC1000	HSTDICC1000	07/11/2025	17:12	PS031009.D	7.77	0.00
HSTDICC1500	HSTDICC1500	07/11/2025	17:36	PS031010.D	7.77	0.00
IBLK	IBLK	07/14/2025	12:17	PS031021.D	7.76	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	16:34	PS031022.D	7.77	0.00
PB168811BL	PB168811BL	07/14/2025	17:10	PS031023.D	7.77	0.00
PB168811BS	PB168811BS	07/14/2025	17:38	PS031024.D	7.77	0.00
IBLK	IBLK	07/14/2025	19:32	PS031027.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/14/2025	21:09	PS031028.D	7.77	0.00
IBLK	IBLK	07/18/2025	20:34	PS031143.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/18/2025	21:22	PS031144.D	7.77	0.00
TP-30MS	Q2529-10MS	07/18/2025	21:46	PS031145.D	7.77	0.00
TP-30MSD	Q2529-10MSD	07/18/2025	22:10	PS031146.D	7.77	0.00
TP-41	Q2543-01	07/18/2025	22:34	PS031147.D	7.77	0.00
TP-49	Q2543-02	07/18/2025	22:59	PS031148.D	7.77	0.00
TP-23	Q2543-03	07/18/2025	23:23	PS031149.D	7.76	0.00
TP-23-99	Q2543-04	07/18/2025	23:47	PS031150.D	7.77	0.00
IBLK	IBLK	07/19/2025	00:59	PS031153.D	7.77	0.00
HSTDCCC750	HSTDCCC750	07/19/2025	01:23	PS031154.D	7.77	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168811BS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Lab Sample ID: PB168811BS

Date(s) Analyzed: 07/14/2025 07/14/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.65	9.60	9.70	185	21.6
	2	10.36	10.31	10.41	149	
2,4,5-TP(Silvex)	1	9.35	9.30	9.40	174	15.5
	2	9.93	9.88	9.98	149	
2,4-D	1	8.47	8.42	8.52	185	24.2
	2	9.02	8.97	9.07	145	
2,4-DB	1	10.22	10.17	10.27	193	27.7
	2	10.92	10.87	10.97	146	
DICHLORPROP	1	8.23	8.18	8.28	161	11.8
	2	8.69	8.64	8.74	143	
Dinoseb	1	11.44	11.39	11.49	173	18.3
	2	11.31	11.26	11.36	144	
DICAMBA	1	7.52	7.47	7.57	156	8.7
	2	7.97	7.92	8.02	143	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-30MS

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Lab Sample ID: Q2529-10MS

Date(s) Analyzed: 07/18/2025 07/18/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.64	9.59	9.69	121	35
	2	10.35	10.30	10.40	85.0	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	98.3	97.1
	2	9.94	9.89	9.99	284	
2,4-D	1	8.46	8.41	8.51	179	16.3
	2	9.03	8.98	9.08	152	
2,4-DB	1	10.21	10.16	10.26	30.0	3
	2	10.92	10.87	10.97	29.1	
DICHLORPROP	1	8.23	8.18	8.28	84.5	7
	2	8.69	8.64	8.74	90.6	
DICAMBA	1	7.51	7.46	7.56	83.6	1.1
	2	7.97	7.92	8.02	82.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-30MSD

Lab Name: Alliance

Contract: CAMP02

Lab Code: ACE

SDG NO.: Q2543

Lab Sample ID: Q2529-10MSD

Date(s) Analyzed: 07/18/2025 07/18/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

GC Column: (1): RTX-CLP

ID: 0.32 (mm)

GC Column:(2): RTX-CLP2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.64	9.59	9.69	143	34.4
	2	10.35	10.30	10.40	101	
DICHLORPROP	1	8.23	8.18	8.28	102	4.8
	2	8.69	8.64	8.74	107	
2,4-D	1	8.46	8.41	8.51	192	15.7
	2	9.03	8.98	9.08	164	
2,4,5-TP(Silvex)	1	9.34	9.29	9.39	117	87
	2	9.94	9.89	9.99	297	
2,4-DB	1	10.21	10.16	10.26	32.0	9.8
	2	10.92	10.87	10.97	29.0	
DICAMBA	1	7.51	7.46	7.56	98.6	0.5
	2	7.97	7.92	8.02	98.1	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168811BL		SDG No.:	Q2543	
Lab Sample ID:	PB168811BL		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
PS031023.D	1	07/11/25 08:50	07/14/25 17:10	PB168811

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	474		10 - 141	95%	SPK: 500

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:10
Operator : AR\AJ
Sample : PB168811BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168811BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.333	7.765	1587.0E6	491.4E6	401.256	474.328

Target Compounds

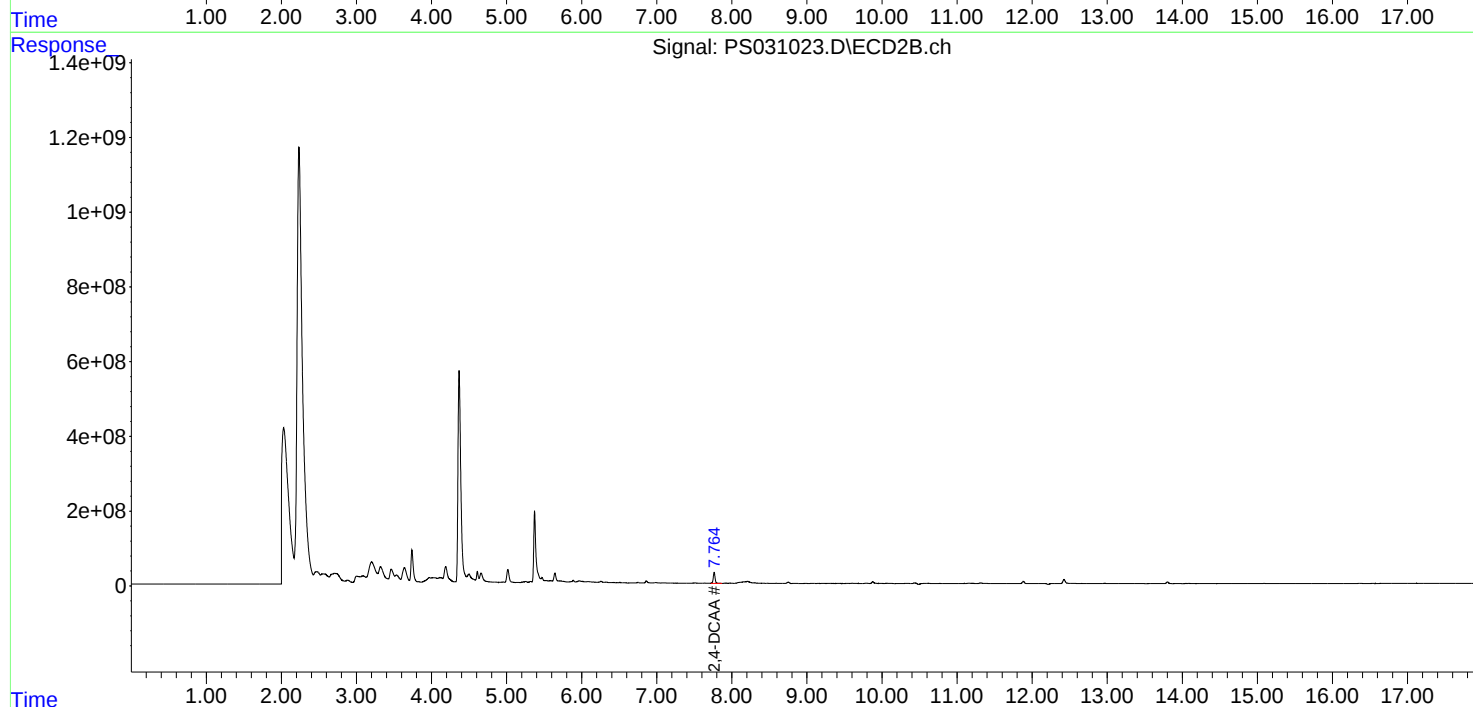
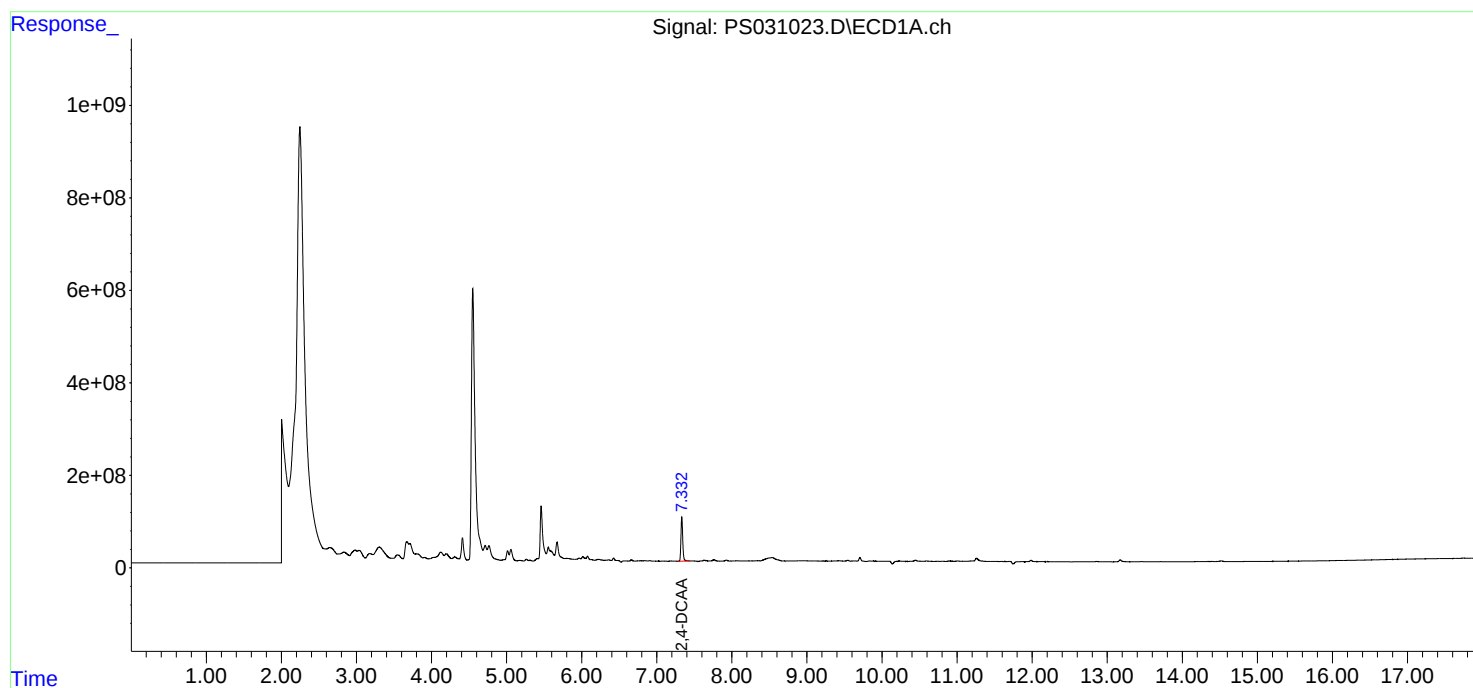
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

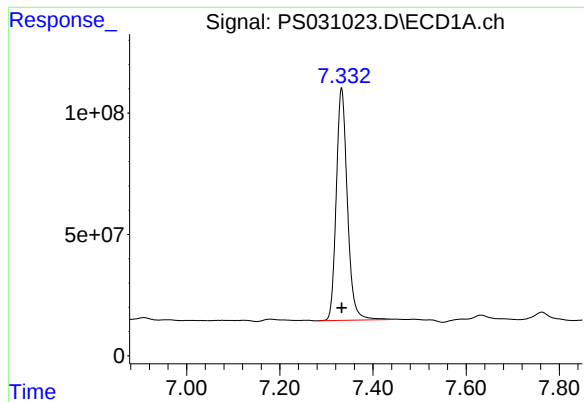
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:10
Operator : AR\AJ
Sample : PB168811BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168811BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

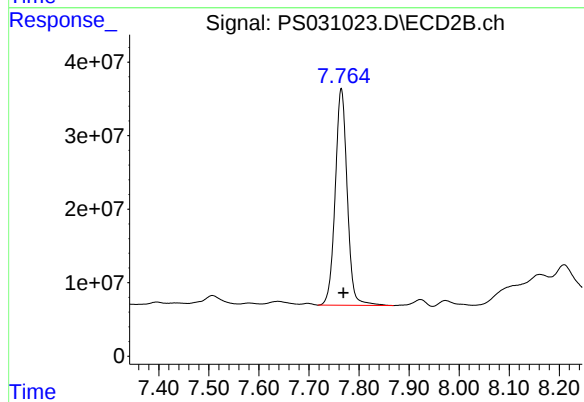




#4 2,4-DCAA

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1586997447
Conc: 401.26 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB168811BL



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.004 min
Response: 491419689
Conc: 474.33 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/11/25
Project:	South River WM Replacement	Date Received:	07/11/25
Client Sample ID:	PIBLK-PS031005.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PS031005.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
PS031005.D	1		07/11/25	PS071125

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	496		61 - 136	99%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.334	7.769	1407.9E6	514.1E6	355.977	496.200 #

Target Compounds

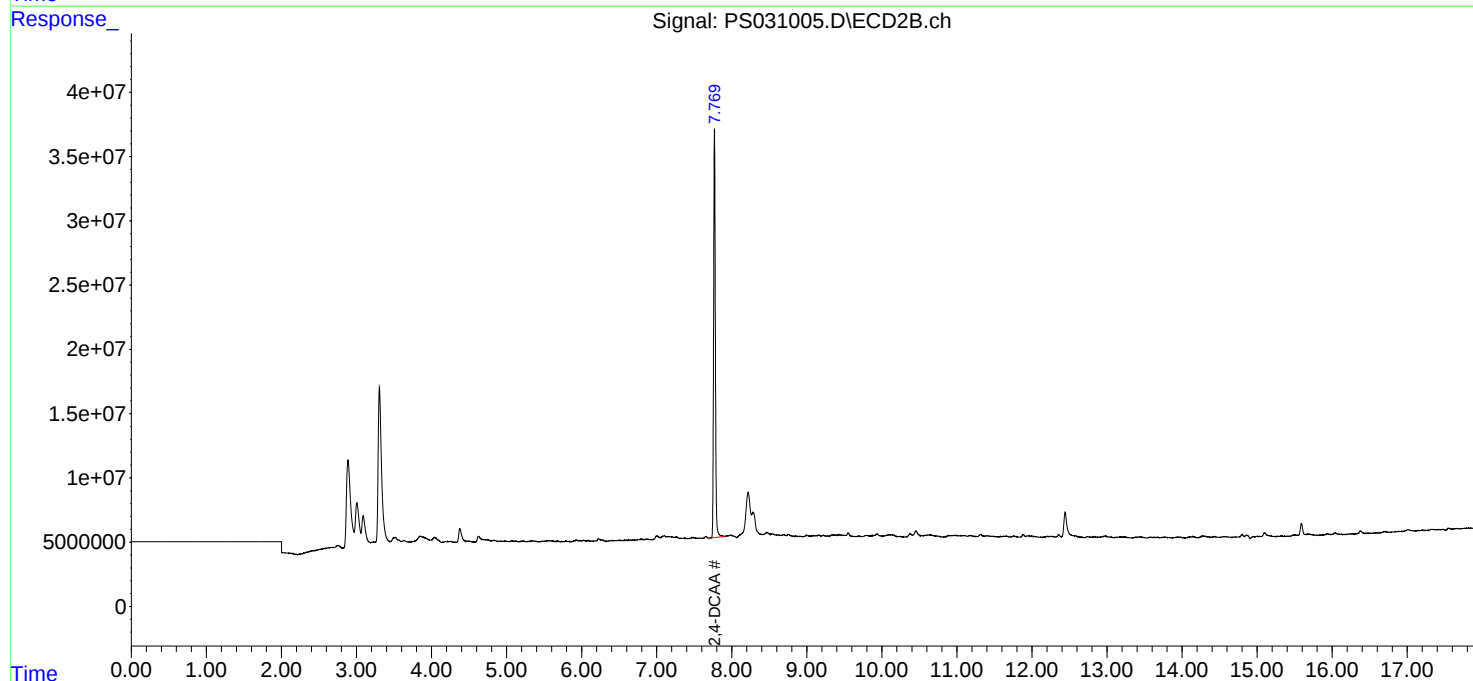
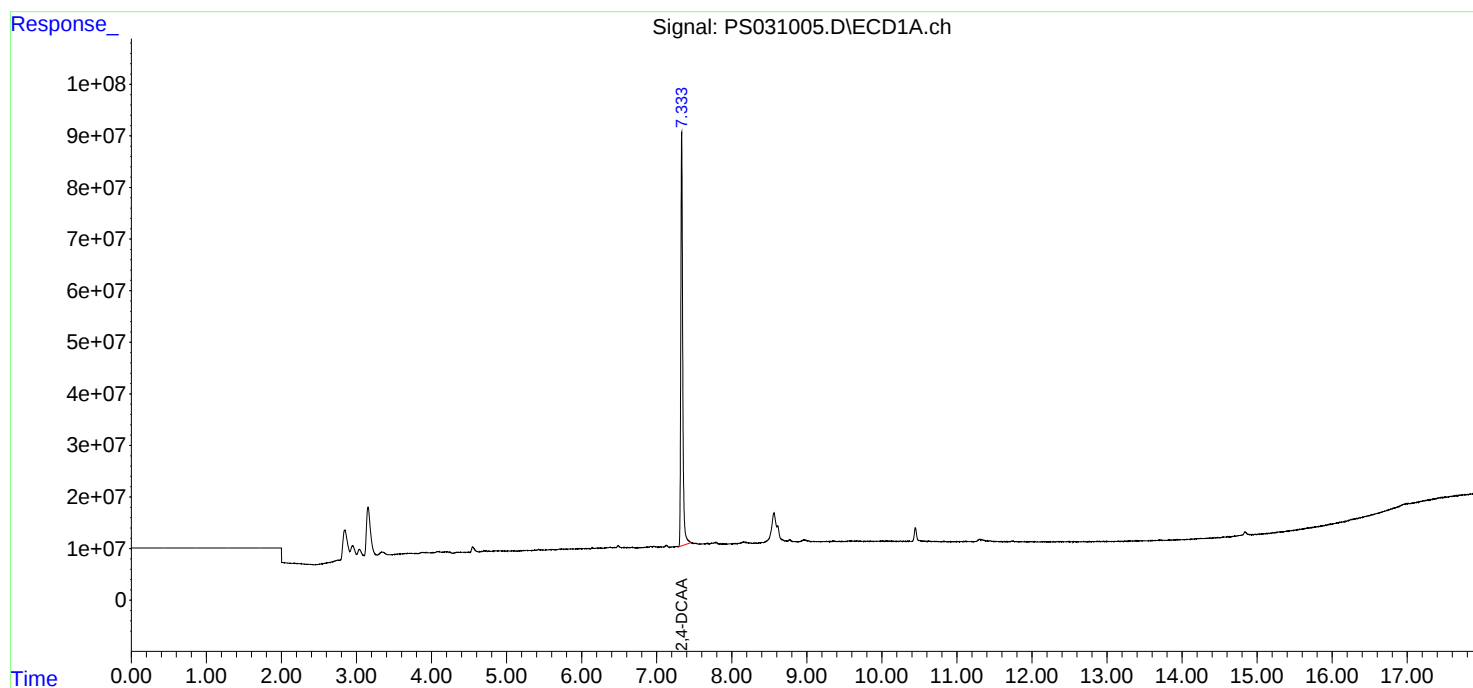
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

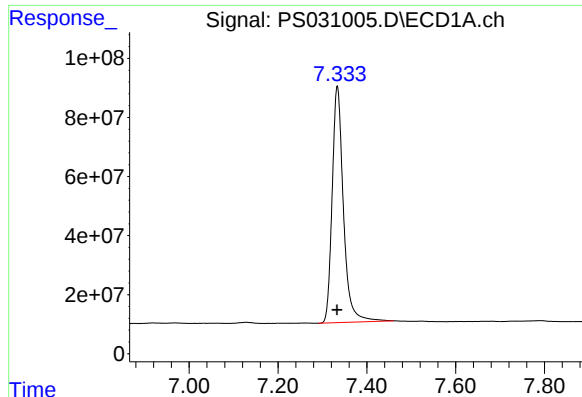
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071125\
Data File : PS031005.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 15:35
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 14 06:06:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

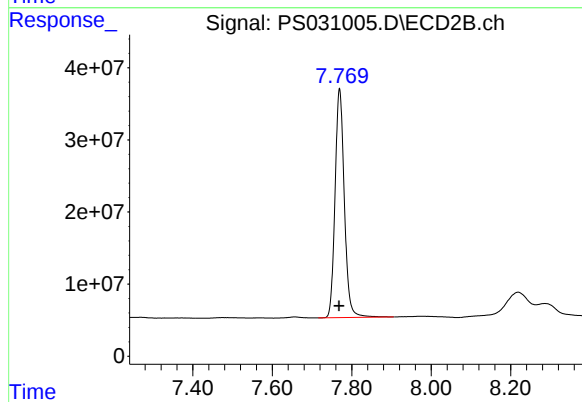




#4 2,4-DCAA

R.T.: 7.334 min
Delta R.T.: 0.000 min
Response: 1407915415
Conc: 355.98 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.769 min
Delta R.T.: 0.000 min
Response: 514079654
Conc: 496.20 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/14/25
Project:	South River WM Replacement	Date Received:	07/14/25
Client Sample ID:	PIBLK-PS031021.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PS031021.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
PS031021.D	1		07/14/25	ps071425

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	490		61 - 136	98%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 12:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.332	7.764	1817.2E6	507.9E6	459.461	490.220

Target Compounds

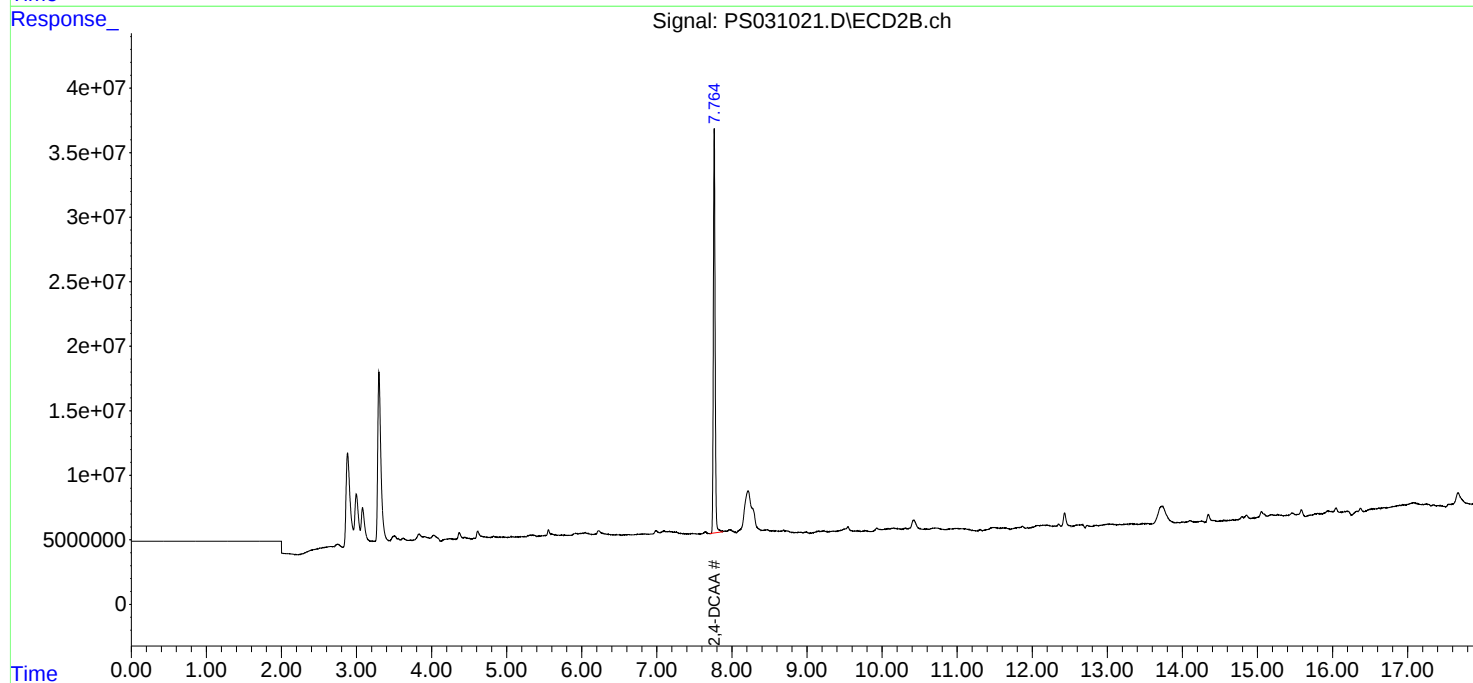
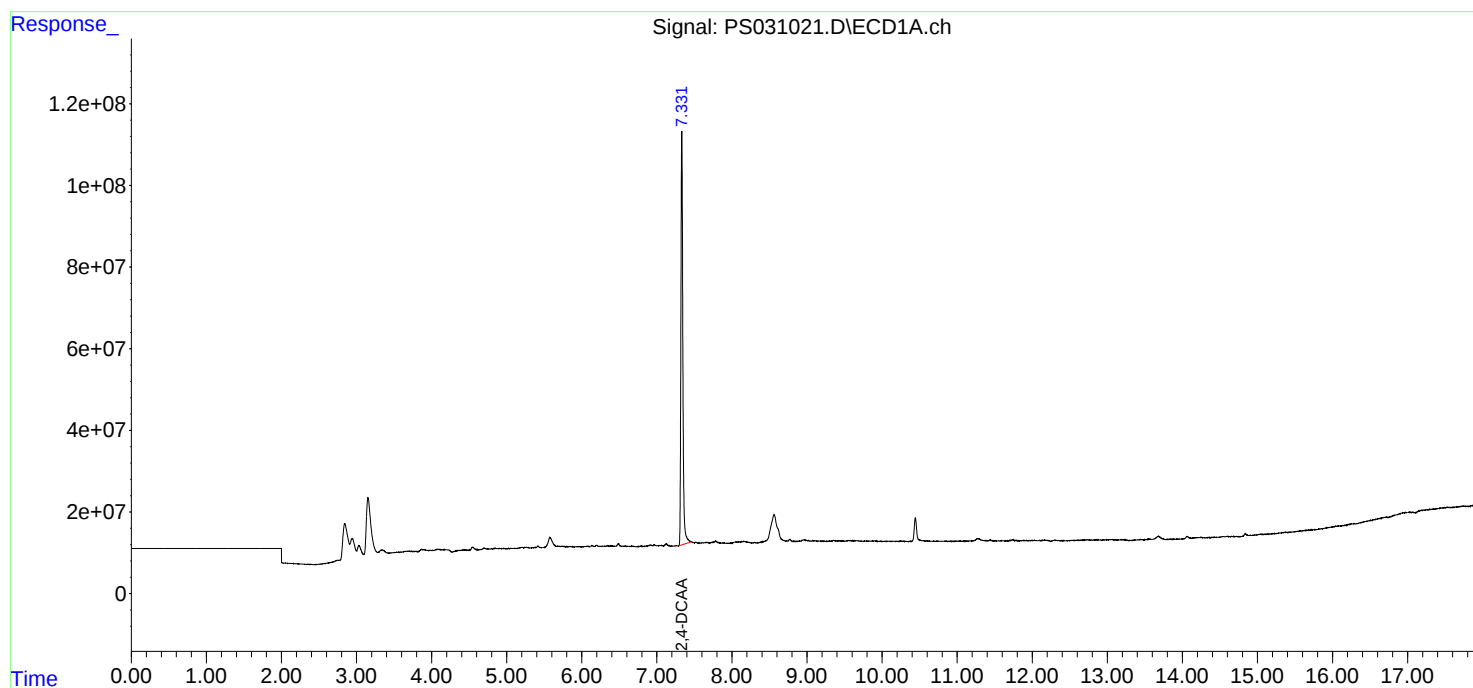
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 12:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

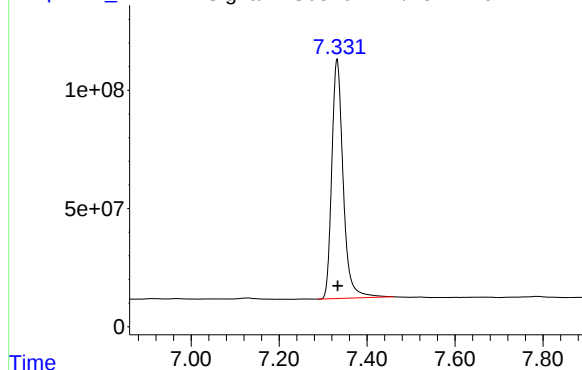
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:30:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS031021.D\ECD1A.ch

#4 2,4-DCAA

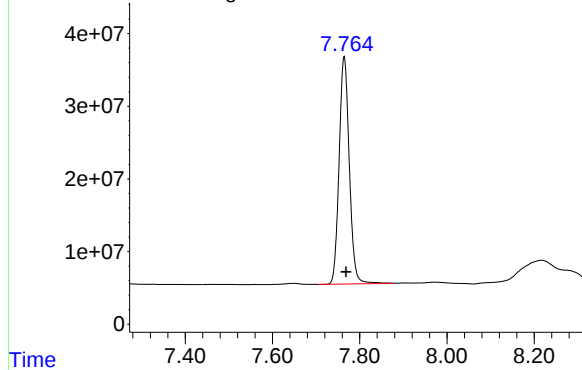


R.T.: 7.332 min
Delta R.T.: -0.001 min
Response: 1817202380
Conc: 459.46 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS031021.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.764 min
Delta R.T.: -0.004 min
Response: 507883570
Conc: 490.22 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/14/25
Project:	South River WM Replacement	Date Received:	07/14/25
Client Sample ID:	PIBLK-PS031027.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PS031027.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
PS031027.D	1		07/14/25	ps071425

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	483		61 - 136	97%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.331	7.768	1694.7E6	500.6E6	428.475	483.182

Target Compounds

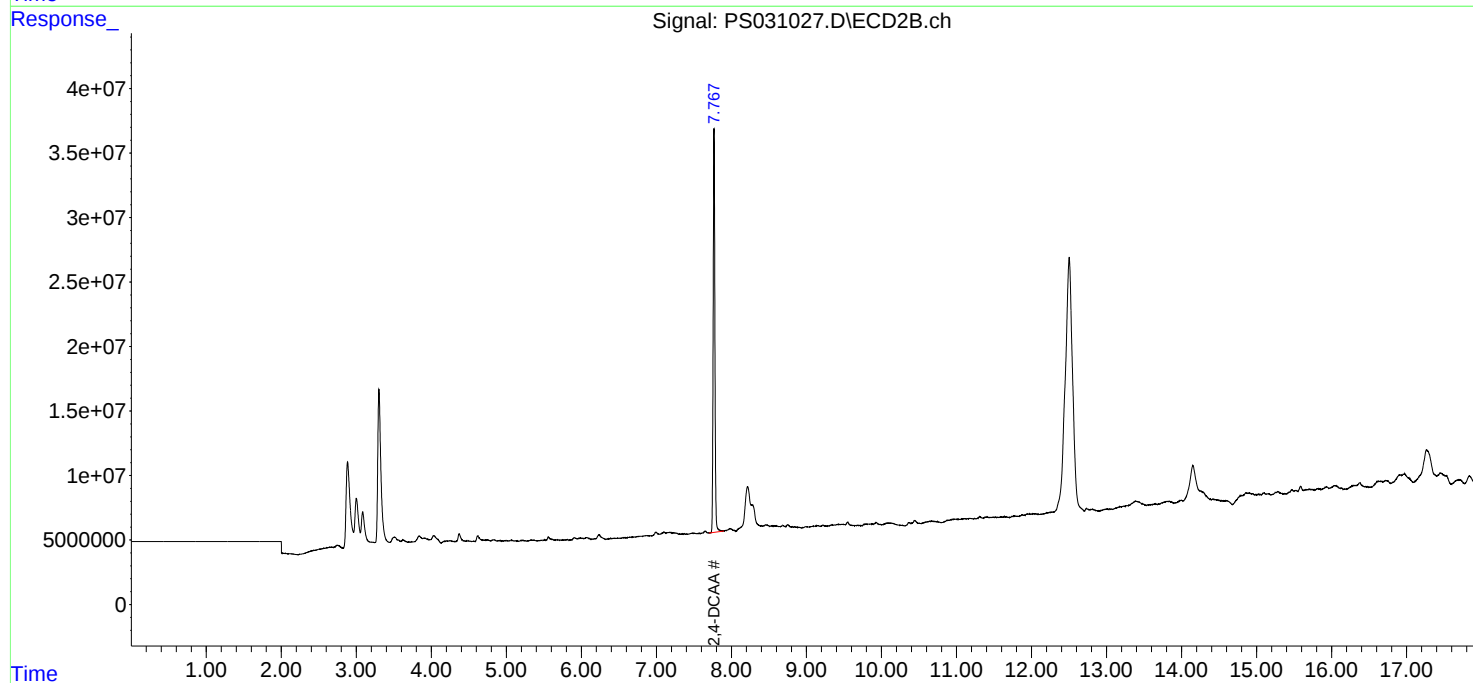
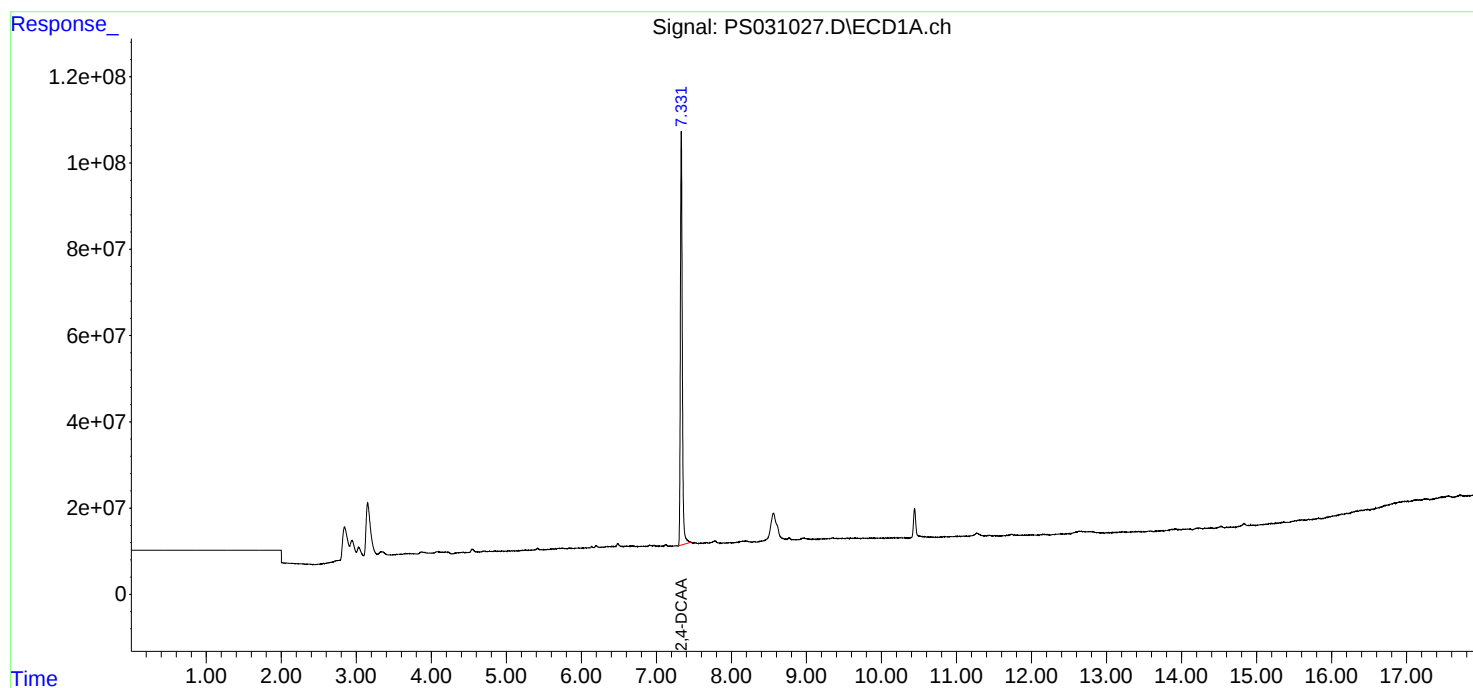
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031027.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 19:32
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

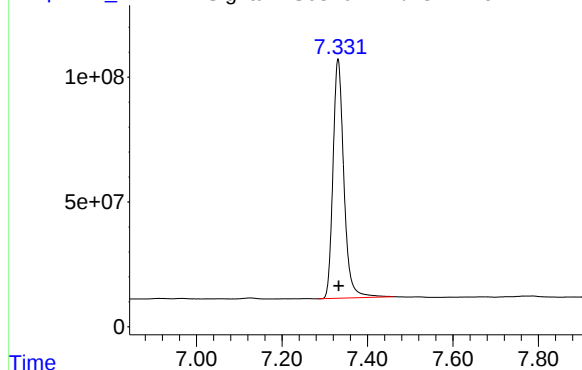
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Signal: PS031027.D\ECD1A.ch

#4 2,4-DCAA

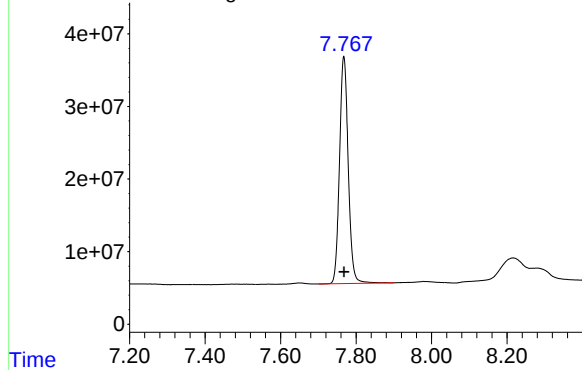


R.T.: 7.331 min
Delta R.T.: -0.002 min
Response: 1694652303
Conc: 428.48 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Signal: PS031027.D\ECD2B.ch

#4 2,4-DCAA



R.T.: 7.768 min
Delta R.T.: -0.001 min
Response: 500592053
Conc: 483.18 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/18/25
Project:	South River WM Replacement	Date Received:	07/18/25
Client Sample ID:	PIBLK-PS031143.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PS031143.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
PS031143.D	1		07/18/25	ps071825

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	506		61 - 136	101%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.766	1870.4E6	524.6E6	472.918	506.315

Target Compounds

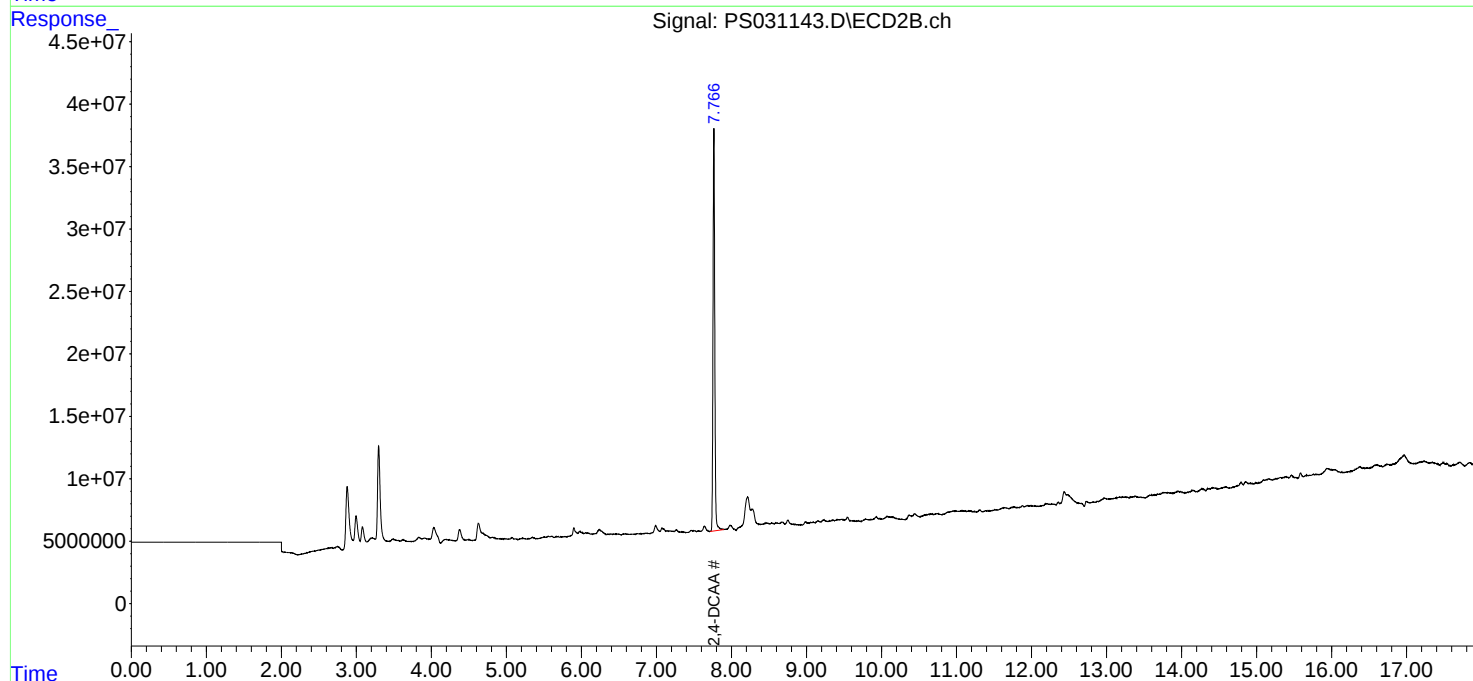
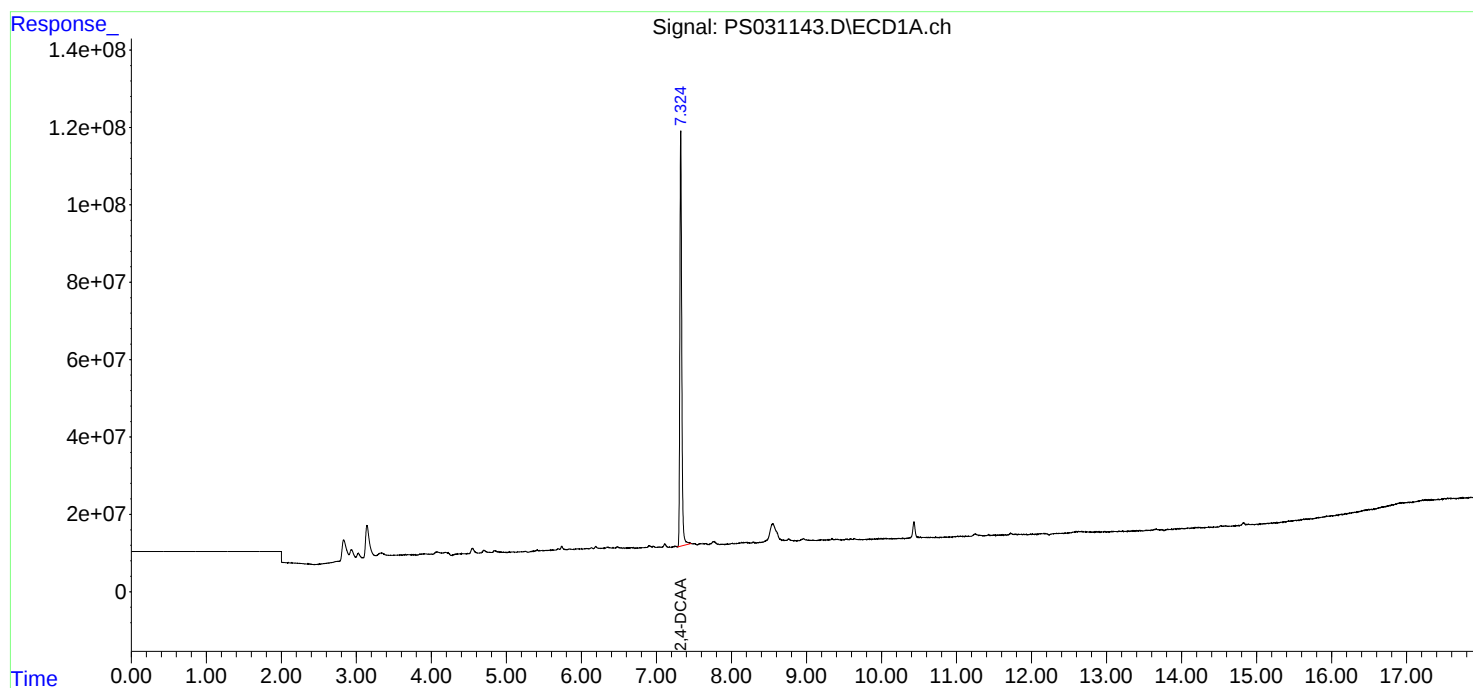
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

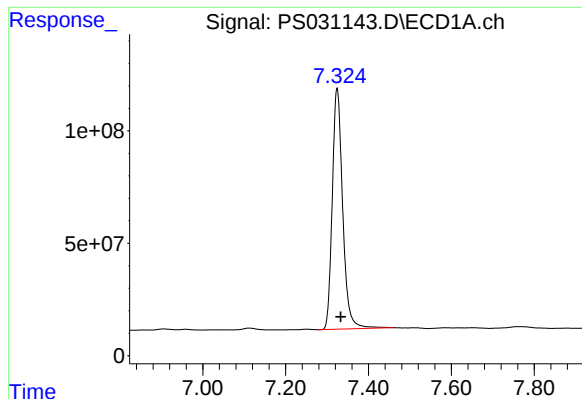
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031143.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 20:34
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:22:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

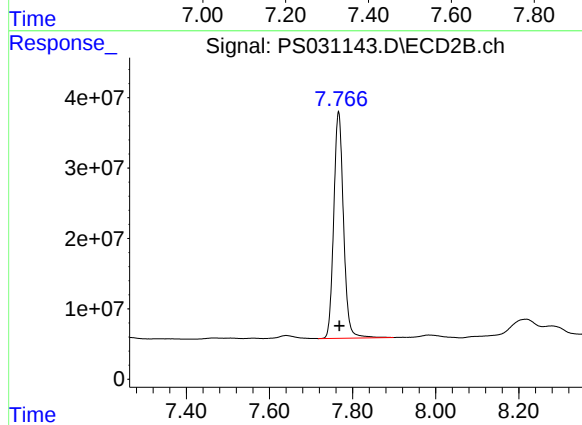




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1870428042
Conc: 472.92 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.766 min
Delta R.T.: -0.002 min
Response: 524558490
Conc: 506.31 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	07/19/25
Project:	South River WM Replacement	Date Received:	07/19/25
Client Sample ID:	PIBLK-PS031153.D	SDG No.:	Q2543
Lab Sample ID:	I.BLK-PS031153.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
PS031153.D	1		07/19/25	ps071825

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	512		61 - 136	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\PS071825\
 Data File : PS031153.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Jul 2025 00:59
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 06:18:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	7.324	7.765	1890.4E6	530.2E6	477.967	511.796

Target Compounds

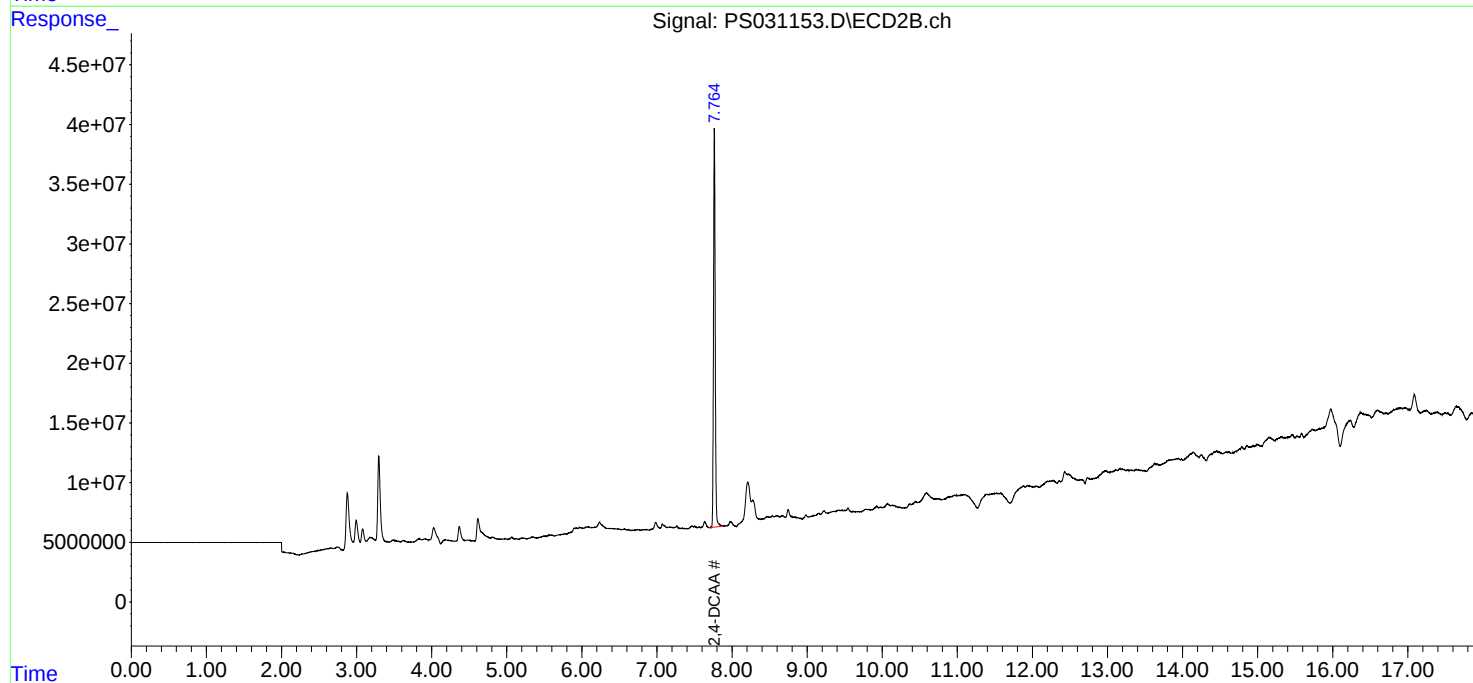
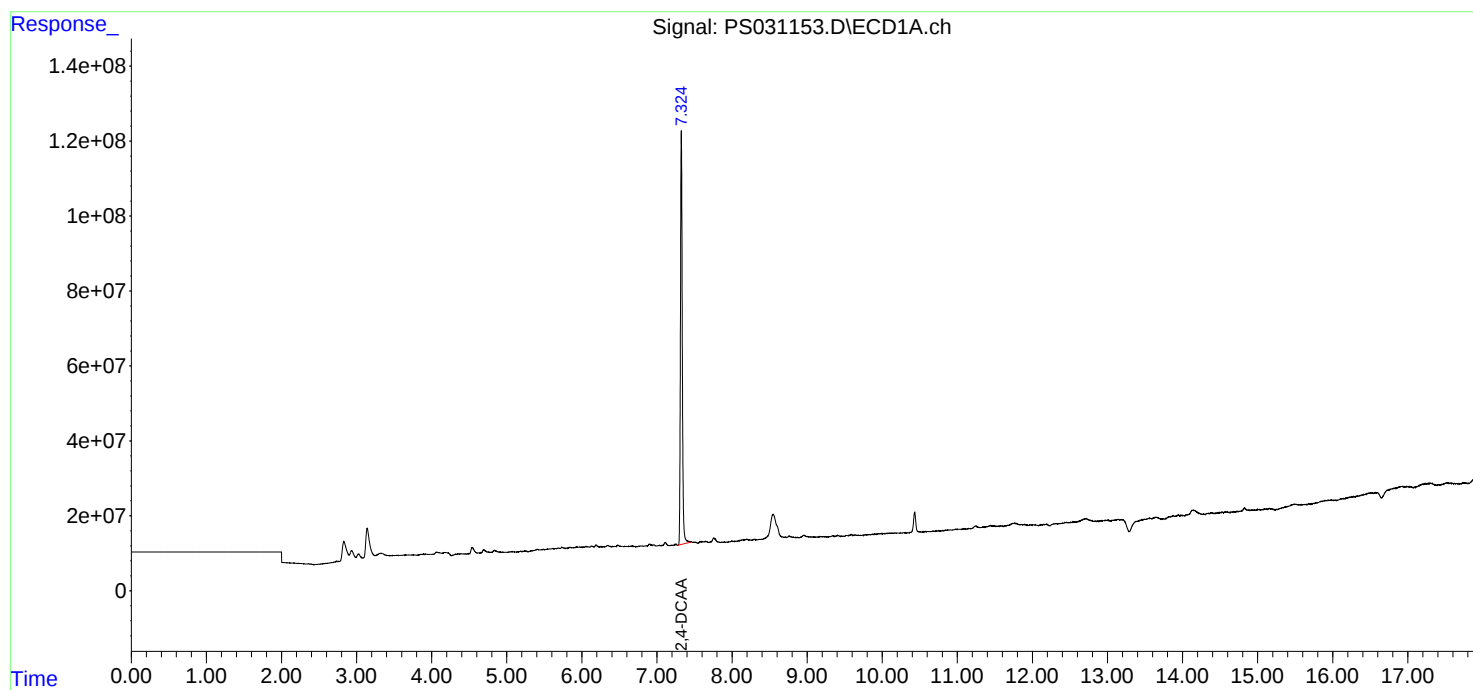
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

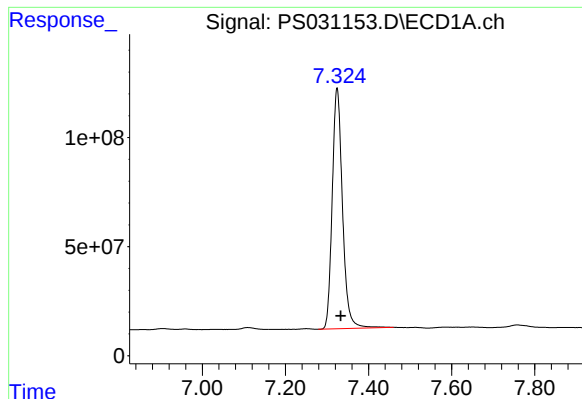
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031153.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Jul 2025 00:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 06:18:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

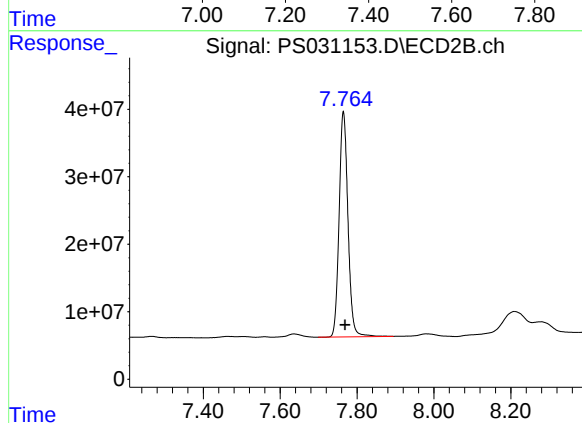




#4 2,4-DCAA

R.T.: 7.324 min
Delta R.T.: -0.009 min
Response: 1890397263
Conc: 477.97 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.765 min
Delta R.T.: -0.004 min
Response: 530237407
Conc: 511.80 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168811BS	SDG No.:	Q2543
Lab Sample ID:	PB168811BS	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
PS031024.D	1	07/11/25 08:50	07/14/25 17:38	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	156		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	161		12.8	67.0	ug/Kg
94-75-7	2,4-D	185		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	174		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	185		8.70	67.0	ug/Kg
94-82-6	2,4-DB	193		24.2	67.0	ug/Kg
88-85-7	DINOSEB	173		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	517		10 - 141	103%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
 Data File : PS031024.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Jul 2025 17:38
 Operator : AR\AJ
 Sample : PB168811BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB168811BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 15 01:31:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.332	7.766	2042.9E6	472.7E6	516.521	456.280
Target Compounds							
1) T	Dalapon	2.695	2.704	2738.6E6	1195.8E6	449.553	420.631
2) T	3,5-DICHL...	6.493	6.712	2469.1E6	655.6E6	471.320	422.893
3) T	4-Nitroph...	7.132	7.299	716.9E6	736.5E6	531.009	422.308
5) T	DICAMBA	7.521	7.968	7342.8E6	2788.1E6	467.967	430.501
6) T	MCPD	7.701	8.065	408.8E6	90928794	44.426	42.531
7) T	MCPA	7.851	8.313	508.3E6	132.4E6	46.604	41.301
8) T	DICHLORPROP	8.234	8.688	1649.3E6	652.4E6	484.357	429.407
9) T	2,4-D	8.466	9.024	1708.9E6	741.7E6	555.121	436.405
10) T	Pentachlo...	8.773	9.548	25804.9E6	17608.3E6	513.413	456.943
11) T	2,4,5-TP ...	9.352	9.930	9734.5E6	6559.1E6	523.058	446.936
12) T	2,4,5-T	9.647	10.357	8452.3E6	6258.4E6	555.584	447.293
13) T	2,4-DB	10.224	10.924	1257.9E6	517.7E6	579.476	437.517
14) T	DINOSEB	11.439	11.309	6865.3E6	4891.7E6	520.732	430.926
15) T	Picloram	11.251	12.419	8710.3E6	10779.1E6	597.745	459.062
16) T	DCPA	11.736	12.352	13001.4E6	10201.6E6	543.146	452.358

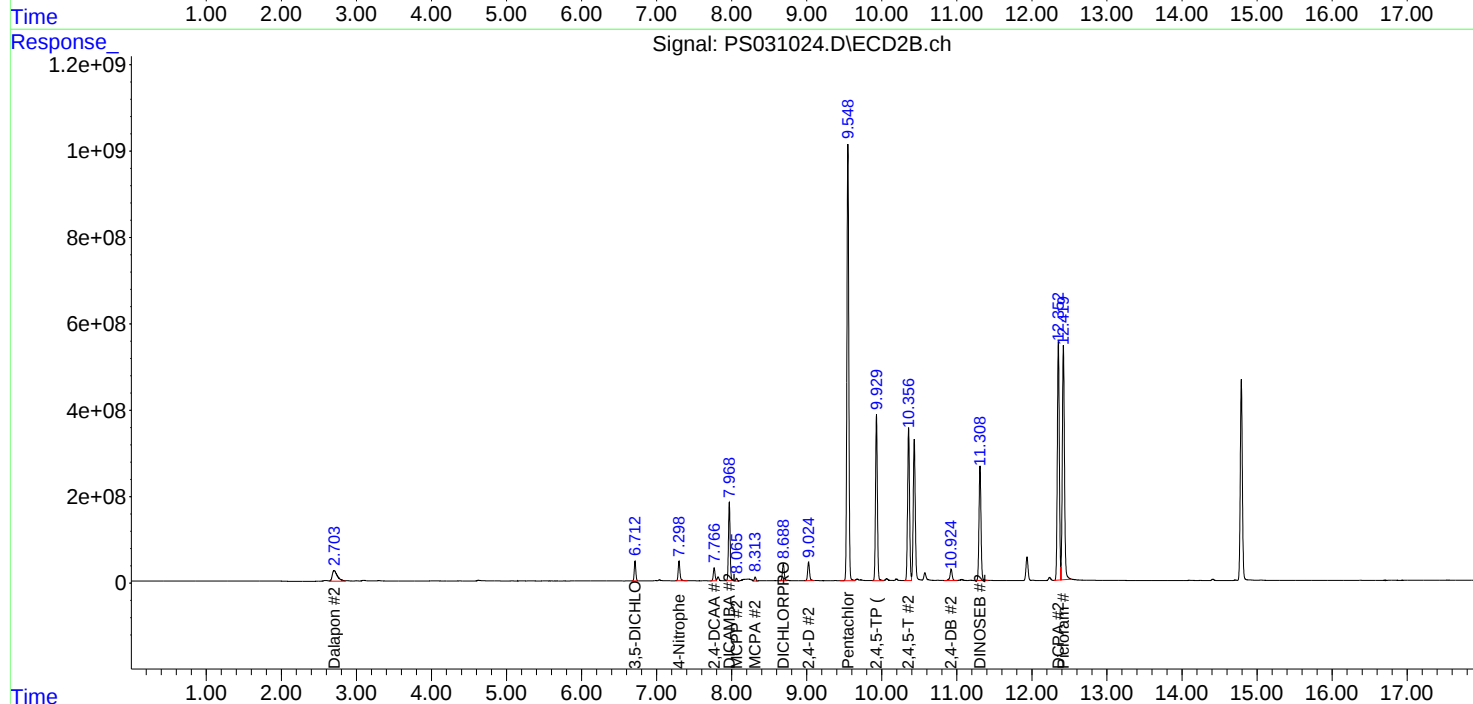
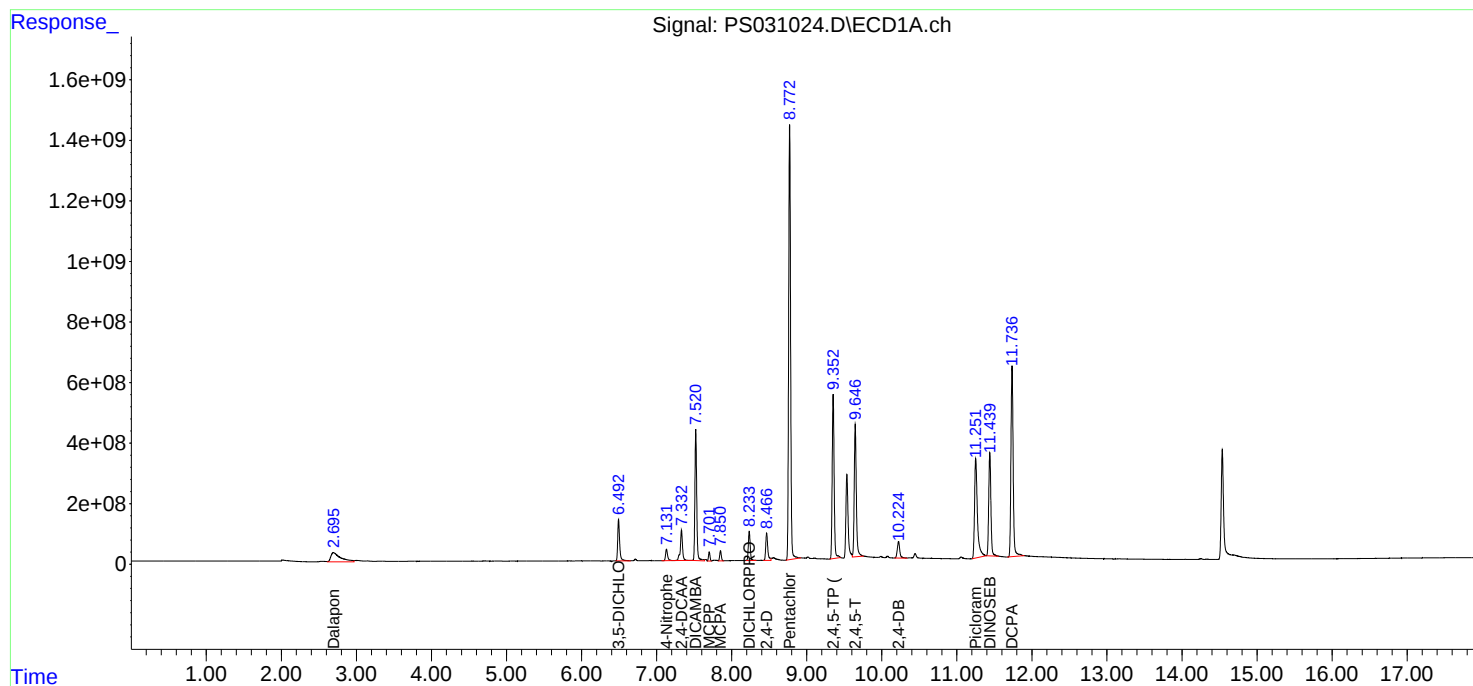
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071425\
Data File : PS031024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Jul 2025 17:38
Operator : AR\AJ
Sample : PB168811BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168811BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 15 01:31:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30MS	SDG No.:	Q2543
Lab Sample ID:	Q2529-10MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031145.D	1	07/11/25 08:50	07/18/25 21:46	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	83.6		8.50	73.3	ug/Kg
120-36-5	DICHLORPROP	90.6		14.0	73.3	ug/Kg
94-75-7	2,4-D	179		9.90	73.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	284	P	9.90	73.3	ug/Kg
93-76-5	2,4,5-T	121		9.50	73.3	ug/Kg
94-82-6	2,4-DB	30.0	J	26.5	73.3	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	220		10 - 141	44%	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\PS071825\
 Data File : PS031145.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 21:46
 Operator : AR\AJ
 Sample : Q2529-10MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-30MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:23:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.321	7.768	612.2E6	228.3E6	154.789	220.320 #
Target Compounds							
1) T	Dalapon	2.683	2.703	592.4E6	2234.7E6	97.239m	786.084m#
2) T	3,5-DICHL...	6.487	6.713	933.6E6	274.5E6	178.212	177.067
5) T	DICAMBA	7.512	7.967	3599.0E6	1468.9E6	229.366	226.805
6) T	MCPD	7.690	8.065	114.7E6	19598607	12.464m	9.167 #
7) T	MCPA	7.840	8.310	182.6E6	49894552	16.738m	15.565
8) T	DICHLORPROP	8.225	8.687	788.9E6	377.4E6	231.666	248.404
9) T	2,4-D	8.457	9.026	1509.9E6	709.6E6	490.481	417.527m
10) T	Pentachlo...	8.762	9.546	3239.6E6	2199.2E6	64.454	57.069
11) T	2,4,5-TP ...	9.341	9.938	5018.3E6	11413.4E6	269.646	777.705 #
12) T	2,4,5-T	9.635	10.354	5063.6E6	3263.8E6	332.841	233.266 #
13) T	2,4-DB	10.213	10.920	143.5E6	41731004	66.126m	35.270m#
15) T	Picloram	11.236	12.416	5378.6E6	5198.9E6	369.104m	221.413 #
16) T	DCPA	11.723	12.351	8021.0E6	6103.5E6	335.087	270.643

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031145.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 21:46
Operator : AR\AJ
Sample : Q2529-10MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

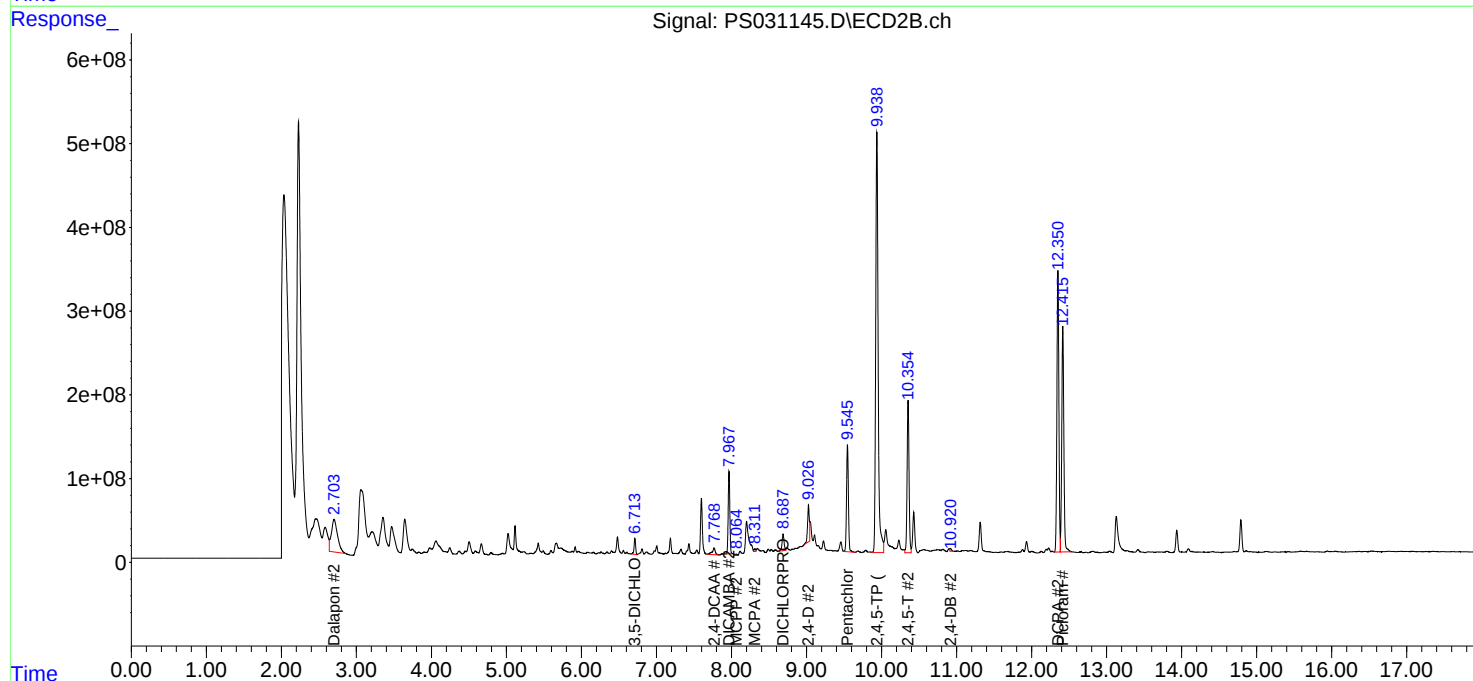
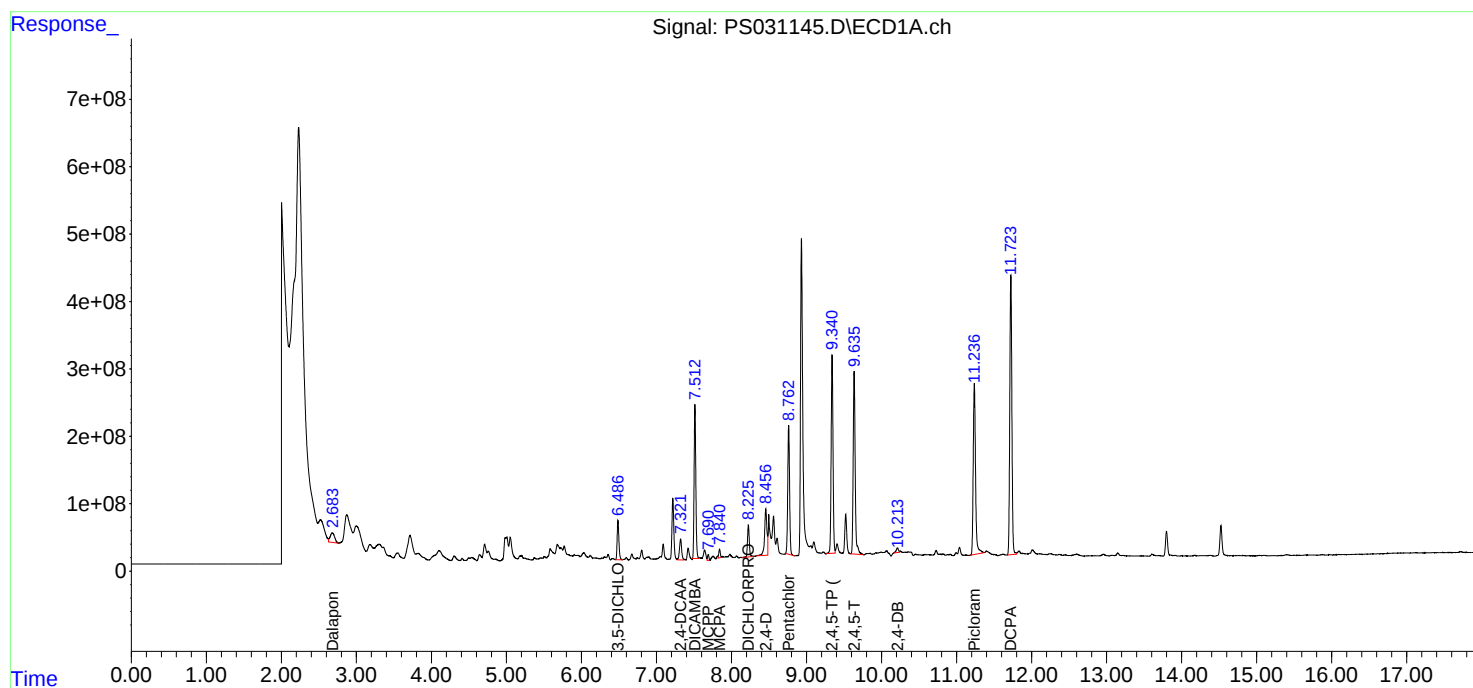
Instrument :
ECD_S
ClientSampleId :
TP-30MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	07/08/25
Project:	South River WM Replacement	Date Received:	07/08/25
Client Sample ID:	TP-30MSD	SDG No.:	Q2543
Lab Sample ID:	Q2529-10MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	91.4
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS031146.D	1	07/11/25 08:50	07/18/25 22:10	PB168811

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	98.6		8.50	73.2	ug/Kg
120-36-5	DICHLORPROP	107		14.0	73.2	ug/Kg
94-75-7	2,4-D	192		9.90	73.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	297	P	9.90	73.2	ug/Kg
93-76-5	2,4,5-T	143		9.50	73.2	ug/Kg
94-82-6	2,4-DB	32.0	J	26.4	73.2	ug/Kg
88-85-7	DINOSEB	11.8	U	11.8	73.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	257		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\PS071825\
 Data File : PS031146.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 22:10
 Operator : AR\AJ
 Sample : Q2529-10MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-30MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/21/2025
 Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:23:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
 Quant Title : 8080.M
 QLast Update : Mon Jul 14 05:51:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	7.323	7.768	713.3E6	266.3E6	180.347	257.067 #
Target Compounds							
1) T	Dalapon	2.680	2.697	648.7E6	2317.5E6	106.489m	815.200m#
2) T	3,5-DICHL...	6.488	6.713	1194.4E6	343.6E6	228.002	221.624
5) T	DICAMBA	7.514	7.968	4249.8E6	1744.3E6	270.845	269.324
6) T	MCPD	7.692	8.065	117.1E6	29807620	12.728	13.942
7) T	MCPA	7.842	8.312	315.2E6	89941204	28.895	28.057
8) T	DICHLORPROP	8.225	8.687	950.5E6	447.4E6	279.148	294.458
9) T	2,4-D	8.457	9.026	1622.9E6	767.1E6	527.186	451.403m
10) T	Pentachlo...	8.763	9.547	4390.0E6	3004.2E6	87.342	77.959
11) T	2,4,5-TP ...	9.342	9.937	5993.2E6	11988.6E6	322.031	816.896 #
12) T	2,4,5-T	9.636	10.354	5988.2E6	3889.9E6	393.617	278.010 #
13) T	2,4-DB	10.212	10.918	190.8E6	70219490	87.873m	59.348m#
15) T	Picloram	11.236	12.416	5975.9E6	5900.2E6	410.096m	251.281 #
16) T	DCPA	11.725	12.351	8931.1E6	6957.1E6	373.107	308.491

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS071825\
Data File : PS031146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 22:10
Operator : AR\AJ
Sample : Q2529-10MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

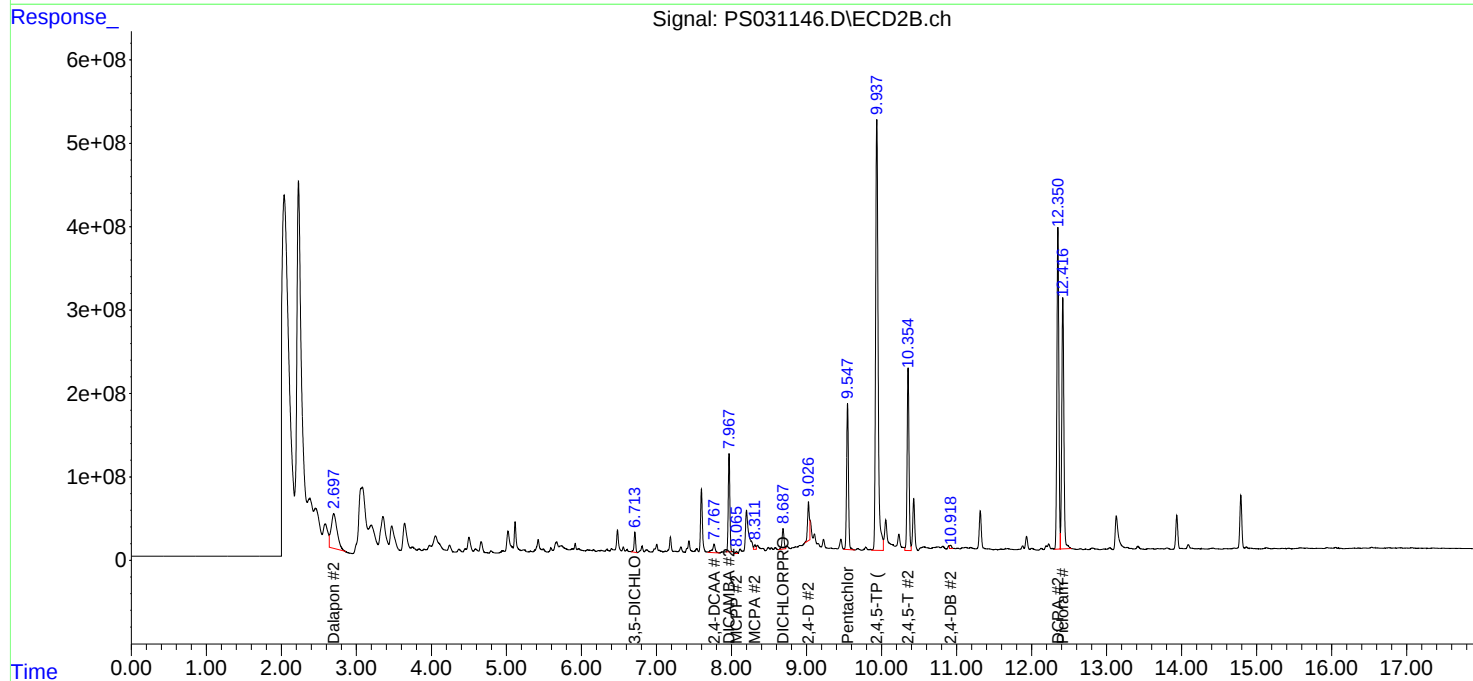
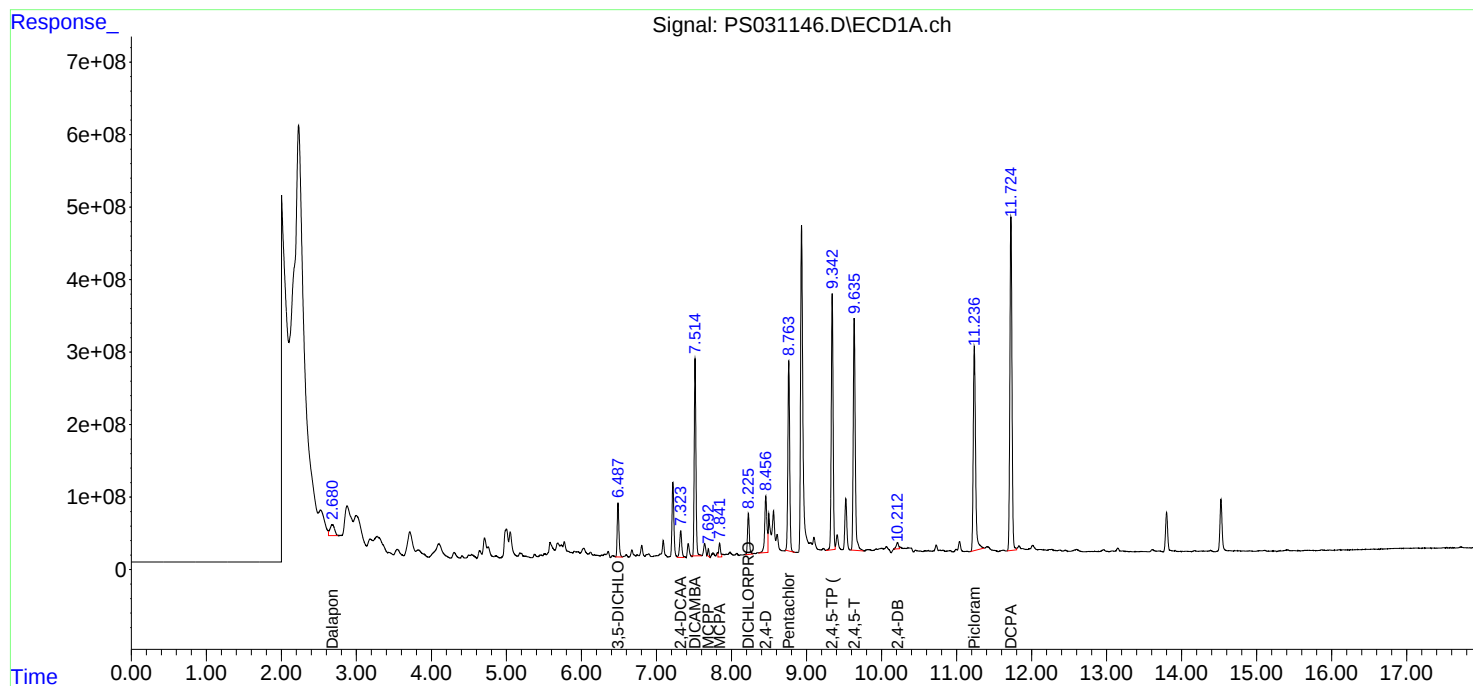
Instrument :
ECD_S
ClientSampleId :
TP-30MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/21/2025
Supervised By : mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:23:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS071125.M
Quant Title : 8080.M
QLast Update : Mon Jul 14 05:51:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:

PS071125

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS031006.D	2,4-DCAA	Abdul	7/14/2025 8:47:57 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC500	PS031007.D	2,4-DCAA	Abdul	7/14/2025 8:48:00 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	2,4-DCAA	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
HSTDICC1500	PS031010.D	DCPA #2	Abdul	7/14/2025 8:48:03 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software
I.BLK	PS031012.D	2,4-DCAA	Abdul	7/14/2025 8:48:05 AM	mohammad	7/15/2025 1:41:05	Peak Integrated by Software



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

Manual Integration Report

Sequence:

ps071425

Instrument

ECD_s

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031022.D	Picloram	Abdul	7/16/2025 9:16:38 AM	mohammad	7/17/2025 1:45:15	Peak Integrated by Software
HSTDCCC750	PS031028.D	Picloram	Abdul	7/16/2025 9:16:48 AM	mohammad	7/17/2025 1:45:15	Peak Integrated by Software

Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031126.D	2,4,5-T	Abdul	7/21/2025 8:32:57 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031126.D	2,4-DB	Abdul	7/21/2025 8:32:57 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031126.D	2,4-DCAA	Abdul	7/21/2025 8:32:57 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031126.D	Pentachlorophenol	Abdul	7/21/2025 8:32:57 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4,5-T	Abdul	7/21/2025 8:13:37 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4-D	Abdul	7/21/2025 8:13:37 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031132.D	2,4-DB	Abdul	7/21/2025 8:13:37 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031132.D	MCPP #2	Abdul	7/21/2025 8:13:37 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031132.D	Pentachlorophenol	Abdul	7/21/2025 8:13:37 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4,5-T	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4-D	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	2,4-DB	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	DCCA #2	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031144.D	DINOSEB	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	MCPP	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	Pentachlorophenol	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031144.D	Picloram	Abdul	7/21/2025 8:33:23 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-D #2	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-DB	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	2,4-DB #2	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	Dalapon	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	Dalapon #2	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	MCPA	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	MCPP	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MS	PS031145.D	Picloram	Abdul	7/21/2025 8:33:26 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MSD	PS031146.D	2,4-D #2	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2529-10MSD	PS031146.D	2,4-DB	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MSD	PS031146.D	2,4-DB #2	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Dalapon	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Dalapon #2	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
Q2529-10MSD	PS031146.D	Picloram	Abdul	7/21/2025 8:33:30 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4,5-T	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4-D	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	2,4-DB	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	4-Nitrophenol	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	DCPA	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	DCPA #2	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	DINOSEB	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software
HSTDCCC750	PS031154.D	Pentachlorophenol	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software



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

Manual Integration Report

Sequence:	PS071825	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS031154.D	Picloram	Abdul	7/21/2025 8:33:33 AM	mohammad	7/22/2025 1:48:09	Peak Integrated by Software

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM
SubDirectory	PS071125	HP Acquire Method	HP Processing Method ps061825 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS031004.D	11 Jul 2025 15:11	AR\AJ	Ok
2	I.BLK	PS031005.D	11 Jul 2025 15:35	AR\AJ	Ok
3	HSTDICC200	PS031006.D	11 Jul 2025 16:00	AR\AJ	Ok,M
4	HSTDICC500	PS031007.D	11 Jul 2025 16:24	AR\AJ	Ok,M
5	HSTDICC750	PS031008.D	11 Jul 2025 16:48	AR\AJ	Ok
6	HSTDICC1000	PS031009.D	11 Jul 2025 17:12	AR\AJ	Ok
7	HSTDICC1500	PS031010.D	11 Jul 2025 17:36	AR\AJ	Ok,M
8	HSTDICV750	PS031011.D	11 Jul 2025 18:00	AR\AJ	Ok
9	I.BLK	PS031012.D	11 Jul 2025 18:25	AR\AJ	Ok,M
10	HSTDCCC750	PS031013.D	11 Jul 2025 18:49	AR\AJ	Ok
11	Q2517-01RE	PS031014.D	11 Jul 2025 20:01	AR\AJ	Confirms
12	Q2514-10RE	PS031015.D	11 Jul 2025 20:25	AR\AJ	Confirms
13	Q2493-01MS	PS031016.D	11 Jul 2025 20:49	AR\AJ	Not Ok
14	Q2493-01MSD	PS031017.D	11 Jul 2025 21:14	AR\AJ	Not Ok
15	I.BLK	PS031018.D	11 Jul 2025 21:38	AR\AJ	Ok
16	HSTDCCC750	PS031019.D	11 Jul 2025 22:02	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071425

Review By	yogesh	Review On	7/15/2025 3:24:14 PM
Supervise By	mohammad	Supervise On	7/17/2025 1:45:15 AM
SubDirectory	PS071425	HP Acquire Method	HP Processing Method ps071125 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	PS031020.D	14 Jul 2025 11:08	AR\AJ	Ok
2	I.BLK	PS031021.D	14 Jul 2025 12:17	AR\AJ	Ok
3	HSTDCCC750	PS031022.D	14 Jul 2025 16:34	AR\AJ	Ok,M
4	PB168811BL	PS031023.D	14 Jul 2025 17:10	AR\AJ	Ok
5	PB168811BS	PS031024.D	14 Jul 2025 17:38	AR\AJ	Ok
6	Q2519-01	PS031025.D	14 Jul 2025 18:03	AR\AJ	ReRun
7	Q2519-01RE	PS031026.D	14 Jul 2025 19:08	AR\AJ	Confirms
8	I.BLK	PS031027.D	14 Jul 2025 19:32	AR\AJ	Ok
9	HSTDCCC750	PS031028.D	14 Jul 2025 21:09	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:09 AM
SubDirectory	PS071825	HP Acquire Method	HP Processing Method ps071125 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	PS031124.D	18 Jul 2025 09:55	AR\AJ	Ok
2	I.BLK	PS031125.D	18 Jul 2025 10:19	AR\AJ	Ok
3	HSTDCCC750	PS031126.D	18 Jul 2025 11:55	AR\AJ	Ok,M
4	Q2586-01	PS031127.D	18 Jul 2025 12:41	AR\AJ	Ok,M
5	Q2589-01RE	PS031128.D	18 Jul 2025 13:05	AR\AJ	Confirms
6	Q2600-06RE	PS031129.D	18 Jul 2025 13:29	AR\AJ	Confirms
7	PB168847TB	PS031130.D	18 Jul 2025 13:53	AR\AJ	Ok
8	I.BLK	PS031131.D	18 Jul 2025 14:17	AR\AJ	Ok
9	HSTDCCC750	PS031132.D	18 Jul 2025 15:39	AR\AJ	Ok,M
10	Q2529-01	PS031133.D	18 Jul 2025 16:33	AR\AJ	Ok,M
11	Q2529-02	PS031134.D	18 Jul 2025 16:57	AR\AJ	Ok
12	Q2529-03	PS031135.D	18 Jul 2025 17:21	AR\AJ	Ok
13	Q2529-04	PS031136.D	18 Jul 2025 17:45	AR\AJ	Ok,M
14	Q2529-05	PS031137.D	18 Jul 2025 18:09	AR\AJ	Ok,M
15	Q2529-06	PS031138.D	18 Jul 2025 18:33	AR\AJ	Ok
16	Q2529-07	PS031139.D	18 Jul 2025 18:57	AR\AJ	Ok
17	Q2529-08	PS031140.D	18 Jul 2025 19:21	AR\AJ	Ok,M
18	Q2529-09	PS031141.D	18 Jul 2025 19:46	AR\AJ	Ok
19	Q2529-10	PS031142.D	18 Jul 2025 20:10	AR\AJ	Ok
20	I.BLK	PS031143.D	18 Jul 2025 20:34	AR\AJ	Ok
21	HSTDCCC750	PS031144.D	18 Jul 2025 21:22	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:09 AM
SubDirectory	PS071825	HP Acquire Method	HP Processing Method ps071125 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	Q2529-10MS	PS031145.D	18 Jul 2025 21:46	AR\AJ	Ok,M
23	Q2529-10MSD	PS031146.D	18 Jul 2025 22:10	AR\AJ	Ok,M
24	Q2543-01	PS031147.D	18 Jul 2025 22:34	AR\AJ	Ok
25	Q2543-02	PS031148.D	18 Jul 2025 22:59	AR\AJ	Ok
26	Q2543-03	PS031149.D	18 Jul 2025 23:23	AR\AJ	Ok
27	Q2543-04	PS031150.D	18 Jul 2025 23:47	AR\AJ	Ok
28	Q2555-01	PS031151.D	19 Jul 2025 00:11	AR\AJ	Not Ok
29	Q2555-03	PS031152.D	19 Jul 2025 00:35	AR\AJ	ReRun
30	I.BLK	PS031153.D	19 Jul 2025 00:59	AR\AJ	Ok
31	HSTDCCC750	PS031154.D	19 Jul 2025 01:23	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071125

Review By	Abdul	Review On	7/14/2025 8:48:45 AM
Supervise By	mohammad	Supervise On	7/15/2025 1:41:05 AM
SubDirectory	PS071125	HP Acquire Method	HP Processing Method ps061825 8151

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031004.D	11 Jul 2025 15:11		AR\AJ	Ok
2	I.BLK	I.BLK	PS031005.D	11 Jul 2025 15:35		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS031006.D	11 Jul 2025 16:00		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS031007.D	11 Jul 2025 16:24		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS031008.D	11 Jul 2025 16:48		AR\AJ	Ok
6	HSTDICC1000	HSTDICC1000	PS031009.D	11 Jul 2025 17:12		AR\AJ	Ok
7	HSTDICC1500	HSTDICC1500	PS031010.D	11 Jul 2025 17:36		AR\AJ	Ok,M
8	HSTDICV750	ICVPS071125	PS031011.D	11 Jul 2025 18:00		AR\AJ	Ok
9	I.BLK	I.BLK	PS031012.D	11 Jul 2025 18:25		AR\AJ	Ok,M
10	HSTDCCC750	HSTDCCC750	PS031013.D	11 Jul 2025 18:49		AR\AJ	Ok
11	Q2517-01RE	TP-14RE	PS031014.D	11 Jul 2025 20:01	Surrogate low in 2nd column	AR\AJ	Confirms
12	Q2514-10RE	TP-90RE	PS031015.D	11 Jul 2025 20:25	Surrogate low in 1st column	AR\AJ	Confirms
13	Q2493-01MS	WC-11MS	PS031016.D	11 Jul 2025 20:49	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
14	Q2493-01MSD	WC-11MSD	PS031017.D	11 Jul 2025 21:14	F Flag in comp#1 , Comp#14 not detected,Comp#9,10 recovery fail	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS031018.D	11 Jul 2025 21:38		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS031019.D	11 Jul 2025 22:02		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071425

Review By	yogesh	Review On	7/15/2025 3:24:14 PM
Supervise By	mohammad	Supervise On	7/17/2025 1:45:15 AM
SubDirectory	PS071425	HP Acquire Method	HP Processing Method ps071125 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	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PS031020.D	14 Jul 2025 11:08		AR\AJ	Ok
2	I.BLK	I.BLK	PS031021.D	14 Jul 2025 12:17		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031022.D	14 Jul 2025 16:34		AR\AJ	Ok,M
4	PB168811BL	PB168811BL	PS031023.D	14 Jul 2025 17:10		AR\AJ	Ok
5	PB168811BS	PB168811BS	PS031024.D	14 Jul 2025 17:38		AR\AJ	Ok
6	Q2519-01	TP-15	PS031025.D	14 Jul 2025 18:03	F Flag in surrogate in 2nd column , Surrogate low in 1st column	AR\AJ	ReRun
7	Q2519-01RE	TP-15RE	PS031026.D	14 Jul 2025 19:08	F Flag in surrogate in 2nd column , Surrogate low in 1st column	AR\AJ	Confirms
8	I.BLK	I.BLK	PS031027.D	14 Jul 2025 19:32		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031028.D	14 Jul 2025 21:09		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:09 AM
SubDirectory	PS071825	HP Acquire Method	HP Processing Method ps071125 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	PS031124.D	18 Jul 2025 09:55		AR\AJ	Ok
2	I.BLK	I.BLK	PS031125.D	18 Jul 2025 10:19		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS031126.D	18 Jul 2025 11:55		AR\AJ	Ok,M
4	Q2586-01	TP-16	PS031127.D	18 Jul 2025 12:41	F Flag in surrogate in 2nd column	AR\AJ	Ok,M
5	Q2589-01RE	AU-06-071125RE	PS031128.D	18 Jul 2025 13:05	Surrogate low in 1st column	AR\AJ	Confirms
6	Q2600-06RE	STOCK-PILERE	PS031129.D	18 Jul 2025 13:29	Surrogate high in 1st column	AR\AJ	Confirms
7	PB168847TB	PB168847TB	PS031130.D	18 Jul 2025 13:53		AR\AJ	Ok
8	I.BLK	I.BLK	PS031131.D	18 Jul 2025 14:17		AR\AJ	Ok
9	HSTDCCC750	HSTDCCC750	PS031132.D	18 Jul 2025 15:39	Comp#15 high in 1st column	AR\AJ	Ok,M
10	Q2529-01	TP-91	PS031133.D	18 Jul 2025 16:33		AR\AJ	Ok,M
11	Q2529-02	TP-80	PS031134.D	18 Jul 2025 16:57		AR\AJ	Ok
12	Q2529-03	TP-79	PS031135.D	18 Jul 2025 17:21		AR\AJ	Ok
13	Q2529-04	TP-95	PS031136.D	18 Jul 2025 17:45		AR\AJ	Ok,M
14	Q2529-05	TP-98	PS031137.D	18 Jul 2025 18:09		AR\AJ	Ok,M
15	Q2529-06	TP-102	PS031138.D	18 Jul 2025 18:33		AR\AJ	Ok
16	Q2529-07	TP-101	PS031139.D	18 Jul 2025 18:57		AR\AJ	Ok
17	Q2529-08	TP-89	PS031140.D	18 Jul 2025 19:21		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS071825

Review By	Abdul	Review On	7/21/2025 8:34:08 AM
Supervise By	mohammad	Supervise On	7/22/2025 1:48:09 AM
SubDirectory	PS071825	HP Acquire Method	HP Processing Method ps071125 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			

18	Q2529-09	TP-33	PS031141.D	18 Jul 2025 19:46		AR\AJ	Ok
19	Q2529-10	TP-30	PS031142.D	18 Jul 2025 20:10		AR\AJ	Ok
20	I.BLK	I.BLK	PS031143.D	18 Jul 2025 20:34		AR\AJ	Ok
21	HSTDCCC750	HSTDCCC750	PS031144.D	18 Jul 2025 21:22	Comp#3,15 high in 1st column	AR\AJ	Ok,M
22	Q2529-10MS	TP-30MS	PS031145.D	18 Jul 2025 21:46	some compound recovery fail,	AR\AJ	Ok,M
23	Q2529-10MSD	TP-30MSD	PS031146.D	18 Jul 2025 22:10	some compound recovery fail ,	AR\AJ	Ok,M
24	Q2543-01	TP-41	PS031147.D	18 Jul 2025 22:34		AR\AJ	Ok
25	Q2543-02	TP-49	PS031148.D	18 Jul 2025 22:59		AR\AJ	Ok
26	Q2543-03	TP-23	PS031149.D	18 Jul 2025 23:23		AR\AJ	Ok
27	Q2543-04	TP-23-99	PS031150.D	18 Jul 2025 23:47		AR\AJ	Ok
28	Q2555-01	OU4-TS-29-070925	PS031151.D	19 Jul 2025 00:11	Surrogate low in both column	AR\AJ	Not Ok
29	Q2555-03	OU4-TS-30-070925	PS031152.D	19 Jul 2025 00:35	Surrogate low in 1st column	AR\AJ	ReRun
30	I.BLK	I.BLK	PS031153.D	19 Jul 2025 00:59		AR\AJ	Ok
31	HSTDCCC750	HSTDCCC750	PS031154.D	19 Jul 2025 01:23	Comp#3,15 high in 1st column	AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/10/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 07/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136409

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
Q2534-01	VNJ-206#1	8	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-02	VNJ-206#2	9	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-03	VNJ-224#1	10	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-04	VNJ-224#2	11	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-05	VNJ-232#1	12	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-06	VNJ-232#2	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-07	VNJ-227#1	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2534-08	VNJ-227#2	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2535-03	70225-PIPE	1	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2535-04	70725-PIPE	2	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2537-01	TR-04-7.9-2025	42	1.18	10.34	11.52	10.54	90.5	
Q2537-02	TR-04-7.9-2025	43	1.15	10.83	11.98	10.83	89.4	
Q2538-01	70325-A	3	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2538-02	70325-B	4	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2538-03	70325-C	5	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2539-01	HACKENSACK	6	1.14	10.40	11.54	10.9	93.8	
Q2539-02	HACKENSACK-EPH 2	7	1.15	10.84	11.99	11.31	93.7	
Q2541-01	HED664T-1-1	16	1.00	1.00	2.00	2.00	100.0	PILC
Q2541-02	HED664T-1-2	17	1.00	1.00	2.00	2.00	100.0	PILC
Q2542-01	VNJ-245	18	1.15	10.18	11.33	10.88	95.6	
Q2542-02	VNJ-245-E2	19	1.18	10.32	11.5	10.84	93.6	
Q2543-01	TP-41	20	1.16	10.61	11.77	9.86	82.0	
Q2543-02	TP-49	21	1.19	10.08	11.27	8.64	73.9	
Q2543-03	TP-23	22	1.15	10.00	11.15	9.65	85.0	
Q2543-04	TP-23-99	23	1.13	10.32	11.45	9.94	85.4	
Q2544-01	Y 2307-0174-1-1	24	1.00	1.00	2.00	2.00	100.0	PILC
Q2544-02	Y 2307-0174-1-2	25	1.00	1.00	2.00	2.00	100.0	PILC
Q2544-03	BC 258874-1-1	26	1.00	1.00	2.00	2.00	100.0	PILC

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/10/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 07/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC:LB136409

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
Q2544-04	BC 258874-1-2	27	1.00	1.00	2.00	2.00	100.0	PILC
Q2544-05	BC 274857-1-1	28	1.00	1.00	2.00	2.00	100.0	PILC
Q2544-06	BC 274857-1-2	29	1.00	1.00	2.00	2.00	100.0	PILC
Q2546-01	HD-02-7-9-2025	44	1.19	10.57	11.76	11.15	94.2	
Q2546-02	HD-02-7-9-2025	45	1.12	10.64	11.76	11.19	94.6	
Q2546-03	HD-02-7-9-2025	46	1.14	10.85	11.99	11.66	97.0	
Q2549-01	BC271242-1-1	30	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-02	BC271242-1-2	31	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-03	BC226734-1-1	32	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-04	BC226734-1-2	33	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-05	BC226734-2-1	34	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-06	BC226734-2-2	35	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-07	JEI484M-1-1	36	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-08	JEI484M-1-2	37	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-09	HZA852R-1-1	38	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-10	HZA852R-1-2	39	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-11	HZA852R-2-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q2549-12	HZA852R-2-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q2551-02	VNJ-204	47	1.11	10.49	11.6	10.8	92.4	
Q2551-03	VNJ-204-EPH	48	1.15	11.19	12.34	11.26	90.3	

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

WORKLIST(Hardcopy Internal Chain)

VB 136409

Worklist Name : %1-070925

Worklist ID : 190592

Department : Wet-Chemistry

Date : 07-09-2025 07:49:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2534-01	VNJ-206#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-02	VNJ-206#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-03	VNJ-224#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-04	VNJ-224#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-05	VNJ-232#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-06	VNJ-232#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-07	VNJ-227#1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2534-08	VNJ-227#2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/09/2025	Chemtech -SO
Q2535-03	70225-PIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/09/2025	Chemtech -SO
Q2535-04	70725-PIPE	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/09/2025	Chemtech -SO
Q2537-01	TR-04-7.9-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O33	07/09/2025	Chemtech -SO
Q2537-02	TR-04-7.9-2025	Solid	Percent Solids	Cool 4 deg C	PSEG03	O33	07/09/2025	Chemtech -SO
Q2538-01	70325-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2538-02	70325-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2538-03	70325-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2539-01	HACKENSACK	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2539-02	HACKENSACK-EPH 2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2541-01	HED664T-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2541-02	HED664T-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2542-01	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/09/2025	Chemtech -SO
Q2542-02	VNJ-245-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O32	07/09/2025	Chemtech -SO

Date/Time 07/09/25 15:00

Raw Sample Received by: SP wley

Raw Sample Relinquished by: JDCsm

Date/Time

07/09/25

Raw Sample Received by:

JDCsm

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

183136409

WorkList Name : %1-070925

WorkList ID : 190592

Department : Wet-Chemistry

Date : 07-09-2025 07:49:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2543-01	TP-41	Solid	Percent Solids	Cool 4 deg C	CAMP02	O42	07/08/2025	Chemtech -SO
Q2543-02	TP-49	Solid	Percent Solids	Cool 4 deg C	CAMP02	O42	07/09/2025	Chemtech -SO
Q2543-03	TP-23	Solid	Percent Solids	Cool 4 deg C	CAMP02	O42	07/09/2025	Chemtech -SO
Q2543-04	TP-23-99	Solid	Percent Solids	Cool 4 deg C	CAMP02	O42	07/09/2025	Chemtech -SO
Q2544-01	Y 2307-0174-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2544-02	Y 2307-0174-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2544-03	BC 258874-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2544-04	BC 258874-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2544-05	BC 274857-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2544-06	BC 274857-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/09/2025	Chemtech -SO
Q2546-01	HD-02-7-9-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	O23	07/09/2025	Chemtech -SO
Q2546-02	HD-02-7-9-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	O23	07/09/2025	Chemtech -SO
Q2546-03	HD-02-7-9-2025	Solid	Percent Solids	Cool 4 deg C	PSEG05	O23	07/09/2025	Chemtech -SO
Q2549-01	BC271242-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-02	BC271242-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-03	BC226734-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-04	BC226734-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-05	BC226734-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-06	BC226734-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-07	JEI484M-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-08	JEI484M-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO

Date/Time 07/09/25 15:00

Raw Sample Received by: R CWC

Raw Sample Relinquished by: JDCSM

Date/Time 07/09/25

Raw Sample Received by: JDCSM

Raw Sample Relinquished by: R CWC

WORKLIST(Hardcopy Internal Chain)

136409

WorkList Name : %1-070925

WorkList ID : 190592

Department : Wet-Chemistry

Date : 07-09-2025 07:49:44

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2549-09	HZA852R-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-10	HZA852R-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-11	HZA852R-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2549-12	HZA852R-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/09/2025	Chemtech -SO
Q2551-02	VNJ-204	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/09/2025	Chemtech -SO
Q2551-03	VNJ-204-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/09/2025	Chemtech -SO

Date/Time 07/09/25 15:00

Raw Sample Received by: se wcy

Raw Sample Relinquished by: JDC Sm

Date/Time 07/09/25 17:20

Raw Sample Received by: JDC Sm

Raw Sample Relinquished by: se wcy

SOP ID: M8151A-Herbicide-23

Clean Up SOP #: N/A

Matrix: Solid

Weight By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,5,7

Extraction Start Date: 07/11/2025

Extraction Start Time: 08:50

Extraction End Date: 07/11/2025

Extraction End Time: 16:10

Concentration By: EH

Supervisor By: RUPESH

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

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

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Acidified Na2SO4	N/A	EP2621
Sand	N/A	E3951
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2616
Methylene Chloride	N/A	E3943
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3952
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2618
Hexane	N/A	E3950
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/11/25	RS (Ext Lab)	Y-P-P8HP4B
16:15	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-23

Concentration Date: 07/11/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168811BL	HBLK811	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168811BS	HLCS811	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2519-01	TP-15	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2529-01	TP-91	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		4
Q2529-02	TP-80	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2529-03	TP-79	Herbicide	30.10	N/A	ritesh	Evelyn	10	E		6
Q2529-04	TP-95	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2529-05	TP-98	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2529-06	TP-102	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		3
Q2529-07	TP-101	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		4
Q2529-08	TP-89	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2529-09	TP-33	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2529-10	TP-30	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		U6-1
Q2529-10MS	TP-30MS	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		2
Q2529-10MS D	TP-30MSD	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		3
Q2543-01	TP-41	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		4
Q2543-02	TP-49	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2543-03	TP-23	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2543-04	TP-23-99	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q2555-01	OU4-TS-29-070925	Herbicide Group1	30.06	N/A	ritesh	Evelyn	10	E		2
Q2555-03	OU4-TS-30-070925	Herbicide Group1	30.08	N/A	ritesh	Evelyn	10	E		3
Q2571-01	TP-18	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		4
Q2571-05	TP-17	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2529 WorkList ID : 190659 Department : Extraction Date : 07-11-2025 08:30:41

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2519-01	TP-15	Solid	Herbicide	Cool 4 deg C	PSEG03	O11	07/08/2025	8151A
Q2529-01	TP-91	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/03/2025	8151A
Q2529-02	TP-80	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-03	TP-79	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-04	TP-95	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-05	TP-98	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-06	TP-102	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-07	TP-101	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/07/2025	8151A
Q2529-08	TP-89	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2529-09	TP-33	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2529-10	TP-30	Solid	Herbicide	Cool 4 deg C	CAMP02	O11	07/08/2025	8151A
Q2543-01	TP-41	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/08/2025	8151A
Q2543-02	TP-49	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2543-03	TP-23	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2543-04	TP-23-99	Solid	Herbicide	Cool 4 deg C	CAMP02	O42	07/09/2025	8151A
Q2555-01	OU4-TS-29-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2555-03	OU4-TS-30-070925	Solid	Herbicide Group1	Cool 4 deg C	NOBI03	O13	07/09/2025	8151A
Q2571-01	TP-18	Solid	Herbicide	Cool 4 deg C	PSEG03	O22	07/10/2025	8151A
Q2571-05	TP-17	Solid	Herbicide	Cool 4 deg C	PSEG03		07/10/2025	8151A

Date/Time 07/11/25 8:45
Raw Sample Received by: RS (CEA-666)
Raw Sample Relinquished by: CP 8m

Date/Time 07/11/25 9:15
Raw Sample Received by: CP 8m
Raw Sample Relinquished by: RS (CEA-666)



SHIPPING DOCUMENTS

CLIENT INFORMATION

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

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

TCL VIX
TCL SVIX
PCB
METALS
PEST
DO/GLO
HERBICIDES

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-41	5		X	7/8/25	1240	6	X	X	X	X	X	X	X			E
2.	TP-47	5		X	7/9/25	0755	6	X	X	X	X	X	X	X			E
3.	TP-23	5		X	7/9/25	0915	6	X	X	X	X	X	X	X			E
4.	TP-23-99	5		X	7/9/25	0920	6	X	X	X	X	X	X	X			E
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt:	COMPLIANT	NON COMPLIANT	COOLER TEMP	3.7 °C
1. <i>[Signature]</i>	7/9/25/1102	1. <i>[Signature]</i>	Comments:				
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:					
2. <i>[Signature]</i>		2. <i>[Signature]</i>					
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:					
3. <i>[Signature]</i>	7-9-25	3. <i>[Signature]</i>					

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete
☐ YES ☐ NO

Laboratory Certification

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



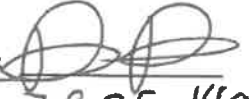
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

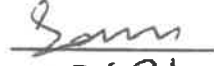
Order ID : Q2543 CAMP02 Order Date : 7/9/2025 12:26:00 PM Project Mgr : Level 2
Client Name : CDM Smith Project Name : South River WM Replacem Report Type : ~~Level 1~~
Client Contact : Marcie Ann Encinas Receive DateTime : 7/9/2025 2:00:00 PM EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith Purchase Order : 13030 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
Q2543-01	TP-41	Solid	07/08/2025	12:40	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2543-02	TP-49	Solid	07/09/2025	07:55	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2543-03	TP-23	Solid	07/09/2025	09:15	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2543-04	TP-23-99	Solid	07/09/2025	09:20	VOC-TCLVOA-10		8260D	10 Bus. Days	

DP 07/11/2025

Relinquished By: 

Date / Time : 7-9-25 1400

Received By: 

Date / Time : 07/09/25 14:00

Storage Area : VOA Refridgerator Room

Ag #6
I22