

Cover Page

Order ID : Q2010

Project ID : South River WM Replacement

Client : CDM Smith

Lab Sample Number

Q2010-01
Q2010-02
Q2010-03
Q2010-04

Client Sample Number

TP-10
TP-13
TP-14
TP-17

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: 5/19/2025

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 #: Q2010

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: PATEL VAISHALI

Date: 05/19/2025

LAB CHRONICLE

OrderID:	Q2010	OrderDate:	5/9/2025 4:00:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	TP-10	SOIL			05/08/25			05/09/25
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-02	TP-13	SOIL			05/08/25			05/09/25
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/14/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-03	TP-14	SOIL			05/08/25			05/09/25
			Diesel Range Organics	8015D		05/13/25	05/13/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	
Q2010-04	TP-17	SOIL			05/08/25			05/09/25
			Diesel Range Organics	8015D		05/13/25	05/14/25	
			Gasoline Range Organics	8015D			05/13/25	
			Herbicide	8151A		05/13/25	05/15/25	
			PCB	8082A		05/14/25	05/14/25	
			Pesticide-TCL	8081B		05/13/25	05/13/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q2010

Order ID: Q2010

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.: Q2010

Client: CDM Smith

Analytical Method: 8151A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PS030124.D	PIBLK-PS030124.D	2,4-DCAA	1	500	419	84		39	175
		2,4-DCAA	2	500	418	84		39	175
I.BLK-PS030179.D	PIBLK-PS030179.D	2,4-DCAA	1	500	469	94		39	175
		2,4-DCAA	2	500	473	95		39	175
Q2007-07MS	OR-636-COMP-11MS	2,4-DCAA	1	500	328	66		10	141
		2,4-DCAA	2	500	294	59		10	141
Q2007-07MSD	OR-636-COMP-11MSD	2,4-DCAA	1	500	340	68		10	141
		2,4-DCAA	2	500	309	62		10	141
PB167976BL	PB167976BL	2,4-DCAA	1	500	475	95		10	141
		2,4-DCAA	2	500	455	91		10	141
PB167976BS	PB167976BS	2,4-DCAA	1	500	532	106		10	141
		2,4-DCAA	2	500	505	101		10	141
I.BLK-PS030189.D	PIBLK-PS030189.D	2,4-DCAA	1	500	482	96		39	175
		2,4-DCAA	2	500	491	98		39	175
I.BLK-PS030235.D	PIBLK-PS030235.D	2,4-DCAA	1	500	451	90		39	175
		2,4-DCAA	2	500	462	92		39	175
Q2010-01	TP-10	2,4-DCAA	1	500	57.8	12		10	141
		2,4-DCAA	2	500	55.1	11		10	141
Q2010-02	TP-13	2,4-DCAA	1	500	306	61		10	141
		2,4-DCAA	2	500	319	64		10	141
Q2010-03	TP-14	2,4-DCAA	1	500	355	71		10	141
		2,4-DCAA	2	500	336	67		10	141
Q2010-04	TP-17	2,4-DCAA	1	500	360	72		10	141
		2,4-DCAA	2	500	343	69		10	141
I.BLK-PS030247.D	PIBLK-PS030247.D	2,4-DCAA	1	500	519	104		39	175
		2,4-DCAA	2	500	531	106		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2010</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030185.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2007-07MS (Column 1)	OR-636-COMP-11MS											
	DICAMBA	189.7	0	105	ug/Kg	55				10	112	
	DICHLORPROP	189.7	0	128	ug/Kg	67				10	113	
	2,4-D	189.7	0	133	ug/Kg	70				10	144	
	2,4,5-TP(Silvex)	189.7	0	111	ug/Kg	59				10	114	
	2,4,5-T	189.7	0	106	ug/Kg	56				10	115	
	2,4-DB	189.7	0	84.3	ug/Kg	44				10	140	
Client Sample ID: Q2007-07MS (Column 2)	Dinoseb	189.7	0	0	ug/Kg	0	*			10	118	
	OR-636-COMP-11MS											
	DICAMBA	189.7	0	102	ug/Kg	54				10	112	
	DICHLORPROP	189.7	0	118	ug/Kg	62				10	113	
	2,4-D	189.7	0	127	ug/Kg	67				10	144	
	2,4,5-TP(Silvex)	189.7	0	117	ug/Kg	62				10	114	
	2,4,5-T	189.7	0	110	ug/Kg	58				10	115	
	2,4-DB	189.7	0	96.0	ug/Kg	51				10	140	
	Dinoseb	189.7	0	0	ug/Kg	0	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2010</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030186.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2007-07MSD (Column 1)	OR-636-COMP-11MSD											
	DICAMBA	189.6	0	109	ug/Kg	57		4		10	112	20
	DICHLORPROP	189.6	0	133	ug/Kg	70		4		10	113	20
	2,4-D	189.6	0	138	ug/Kg	73		4		10	144	20
	2,4,5-TP(Silvex)	189.6	0	115	ug/Kg	61		3		10	114	20
	2,4,5-T	189.6	0	110	ug/Kg	58		4		10	115	20
	2,4-DB	189.6	0	84.2	ug/Kg	44		0		10	140	20
Client Sample ID: Q2007-07MSD (Column 2)	Dinoseb	189.6	0	0	ug/Kg	0	*	0		10	118	20
	OR-636-COMP-11MSD											
	DICAMBA	189.6	0	106	ug/Kg	56		4		10	112	20
	DICHLORPROP	189.6	0	125	ug/Kg	66		4		10	113	20
	2,4-D	189.6	0	131	ug/Kg	69		4		10	144	20
	2,4,5-TP(Silvex)	189.6	0	122	ug/Kg	64		3		10	114	20
	2,4,5-T	189.6	0	115	ug/Kg	61		4		10	115	20
	2,4-DB	189.6	0	102	ug/Kg	54		0		10	140	20
	Dinoseb	189.6	0	0	ug/Kg	0	*	0		10	118	20

**SW-846**

Datafile : PS030188.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB167976BS (Column 1)	DICAMBA	166.5	0	ug/Kg					72	129
	DICHLORPROP	166.5	0	ug/Kg					77	135
	2,4-D	166.5	0	ug/Kg					65	144
	2,4,5-TP(Silvex)	166.5	0	ug/Kg					74	146
	2,4,5-T	166.5	0	ug/Kg					77	134
	2,4-DB	166.5	0	ug/Kg					72	122
	Dinoseb	166.5	0	ug/Kg					74	132
PB167976BS (Column 2)	DICAMBA	166.5	0	ug/Kg					72	129
	DICHLORPROP	166.5	0	ug/Kg					77	135
	2,4-D	166.5	0	ug/Kg					65	144
	2,4,5-TP(Silvex)	166.5	0	ug/Kg					74	146
	2,4,5-T	166.5	0	ug/Kg					77	134
	2,4-DB	166.5	0	ug/Kg					72	122
	Dinoseb	166.5	0	ug/Kg					74	132

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167976BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167976BL

Lab File ID: PS030187.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/13/2025

Date Analyzed (1): 05/14/2025

Date Analyzed (2): 05/14/2025

Time Analyzed (1): 16:41

Time Analyzed (2): 16:41

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
OR-636-COMP-11MS	Q2007-07MS	PS030185.D	05/14/2025	05/14/2025
OR-636-COMP-11MSD	Q2007-07MSD	PS030186.D	05/14/2025	05/14/2025
PB167976BS	PB167976BS	PS030188.D	05/14/2025	05/14/2025
TP-10	Q2010-01	PS030239.D	05/15/2025	05/15/2025
TP-13	Q2010-02	PS030240.D	05/15/2025	05/15/2025
TP-14	Q2010-03	PS030241.D	05/15/2025	05/15/2025
TP-17	Q2010-04	PS030242.D	05/15/2025	05/15/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	93.3
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030239.D	1	05/13/25 10:35	05/15/25 17:18	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.30	U	8.30	71.8	ug/Kg
120-36-5	DICHLORPROP	13.7	U	13.7	71.8	ug/Kg
94-75-7	2,4-D	9.70	U	9.70	71.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.70	U	9.70	71.8	ug/Kg
93-76-5	2,4,5-T	9.30	U	9.30	71.8	ug/Kg
94-82-6	2,4-DB	25.9	U	25.9	71.8	ug/Kg
88-85-7	DINOSEB	11.6	U	11.6	71.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	57.8		10 - 141	12%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030239.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 17:18
 Operator : AR\AJ
 Sample : Q2010-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-10

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:26:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.933	7.452	164.6E6	44113478	57.801	55.128m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030239.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:18
Operator : AR\AJ
Sample : Q2010-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

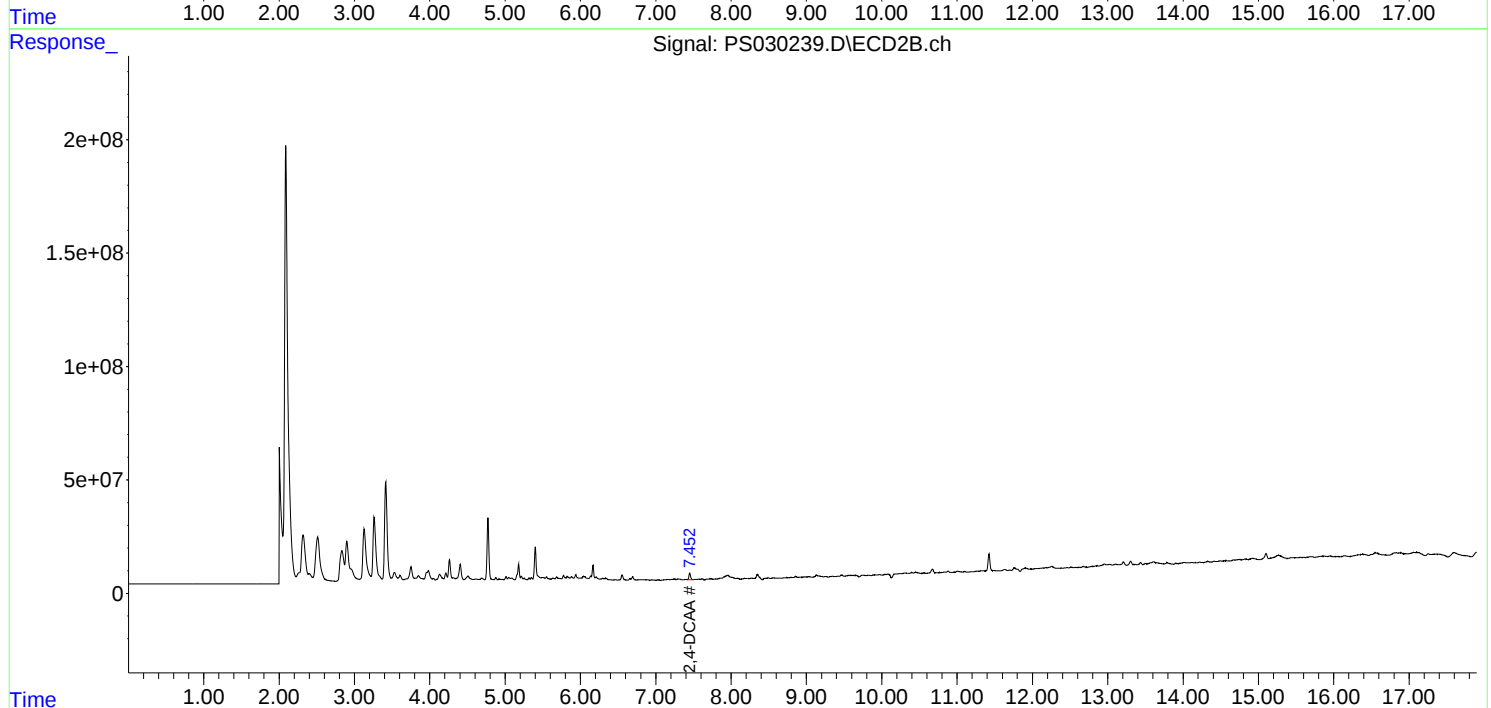
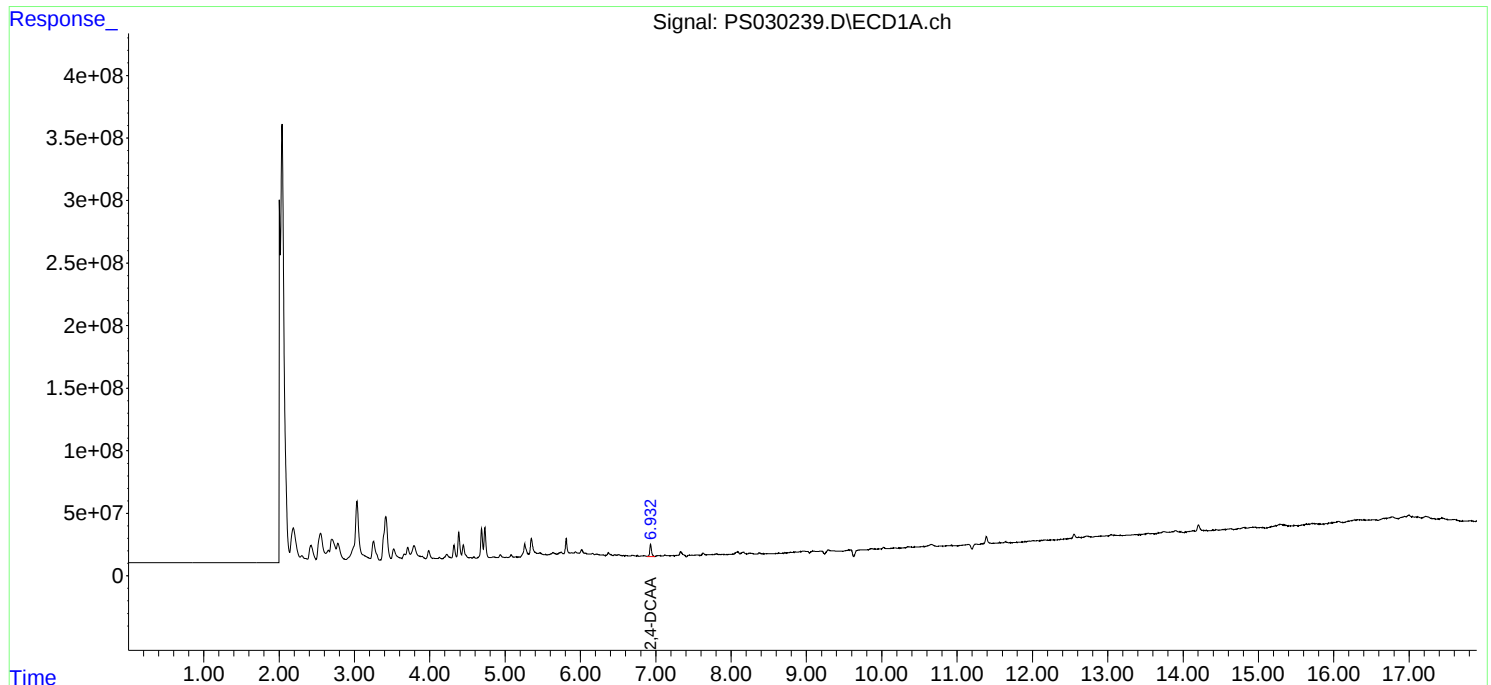
Instrument :
ECD_S
ClientSampleId :
TP-10

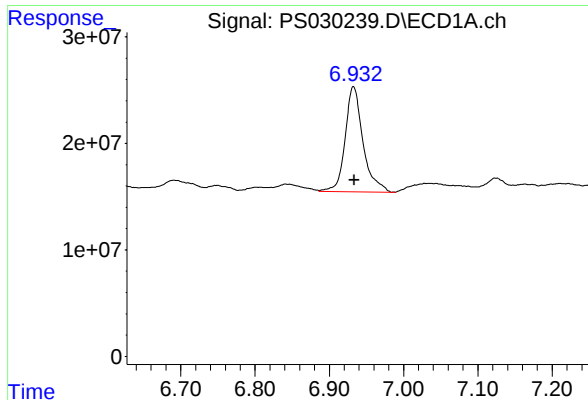
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/16/2025
Supervised By : mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:26:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





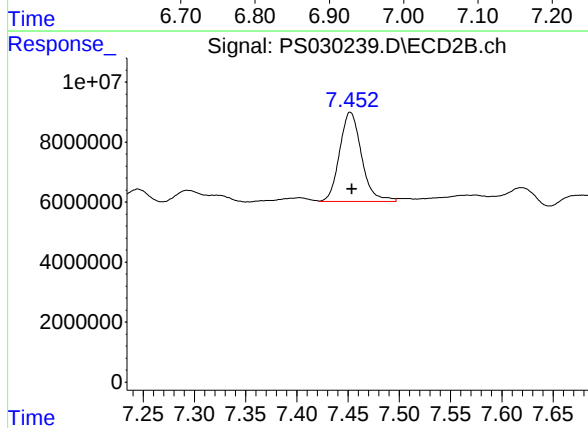
#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 164606403
Conc: 57.80 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-10

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



#4 2,4-DCAA

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 44113478
Conc: 55.13 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	84.4
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030240.D	1	05/13/25 10:35	05/15/25 17:43	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.2	ug/Kg
120-36-5	DICHLORPROP	15.1	U	15.1	79.2	ug/Kg
94-75-7	2,4-D	10.7	U	10.7	79.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.7	U	10.7	79.2	ug/Kg
93-76-5	2,4,5-T	10.3	U	10.3	79.2	ug/Kg
94-82-6	2,4-DB	28.6	U	28.6	79.2	ug/Kg
88-85-7	DINOSEB	12.8	U	12.8	79.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	319		10 - 141	64%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030240.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 17:43
 Operator : AR\AJ
 Sample : Q2010-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-13

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:26:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.928	7.451	871.1E6	255.3E6	305.888m	319.067m
------	----------	-------	-------	---------	---------	----------	----------

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030240.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 17:43
Operator : AR\AJ
Sample : Q2010-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

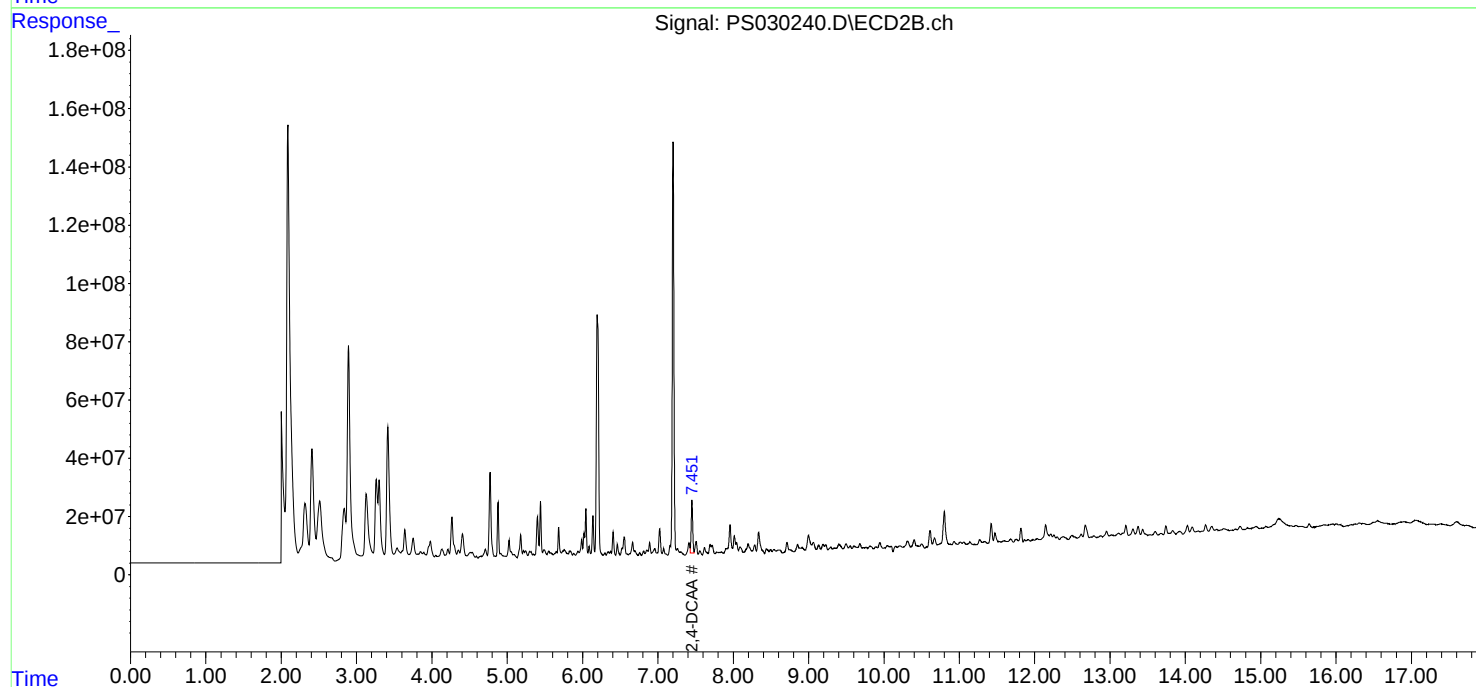
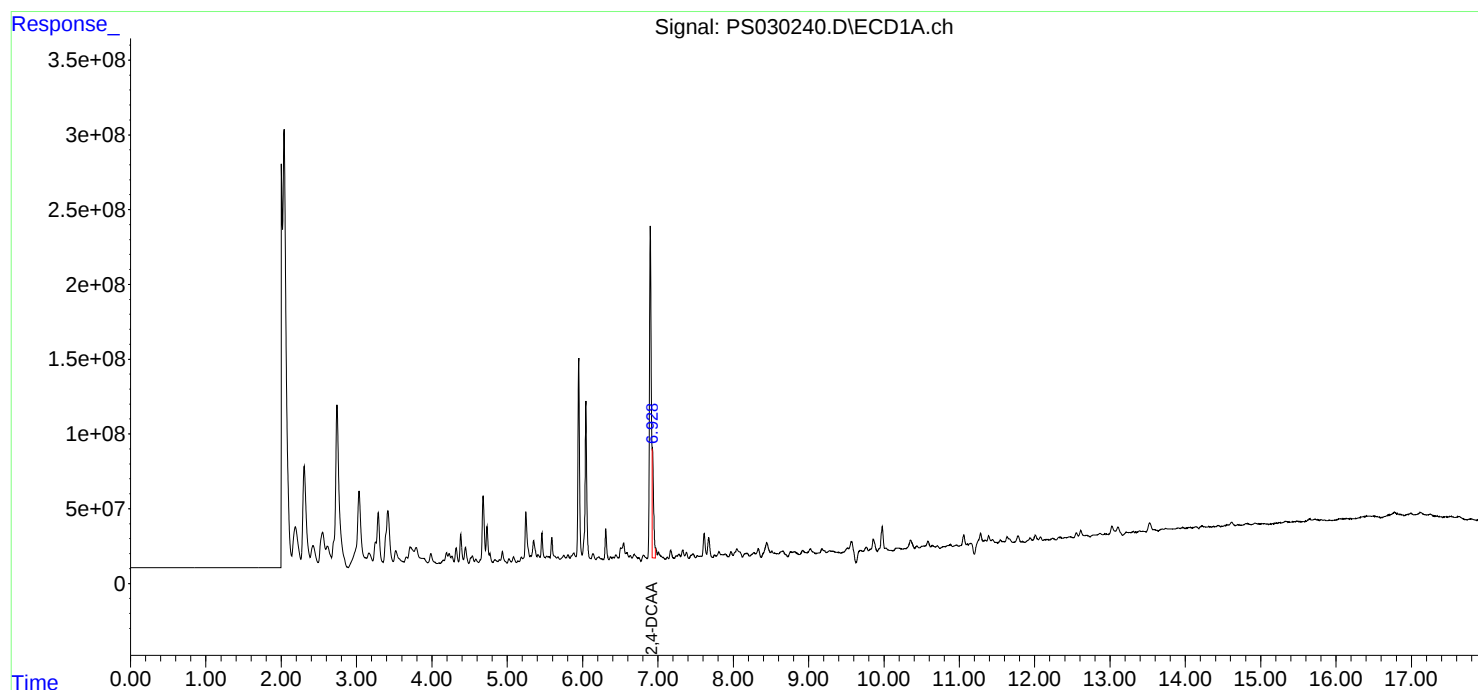
Instrument :
ECD_S
ClientSampleId :
TP-13

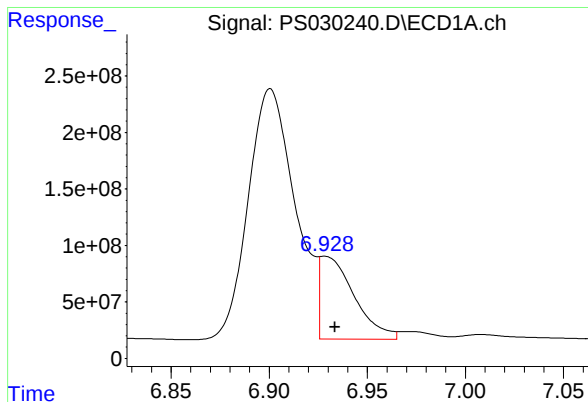
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/16/2025
Supervised By : mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:26:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





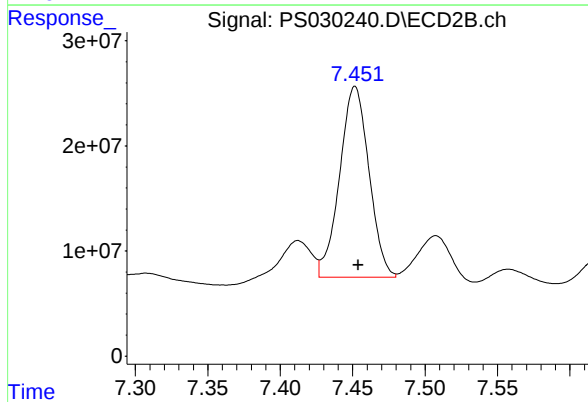
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.006 min
Response: 871111126
Conc: 305.89 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-13

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



#4 2,4-DCAA

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 255318567
Conc: 319.07 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	80.7
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
PS030241.D	1	05/13/25 10:35	05/15/25 18:07	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.60	U	9.60	82.8	ug/Kg
120-36-5	DICHLORPROP	15.8	U	15.8	82.8	ug/Kg
94-75-7	2,4-D	11.2	U	11.2	82.8	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.2	U	11.2	82.8	ug/Kg
93-76-5	2,4,5-T	10.8	U	10.8	82.8	ug/Kg
94-82-6	2,4-DB	29.9	U	29.9	82.8	ug/Kg
88-85-7	DINOSEB	13.4	U	13.4	82.8	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	355		10 - 141	71%	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\PS051525\
 Data File : PS030241.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 18:07
 Operator : AR\AJ
 Sample : Q2010-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-14

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 04:27:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.932	7.452	1011.7E6	268.6E6	355.265	335.606

Target Compounds

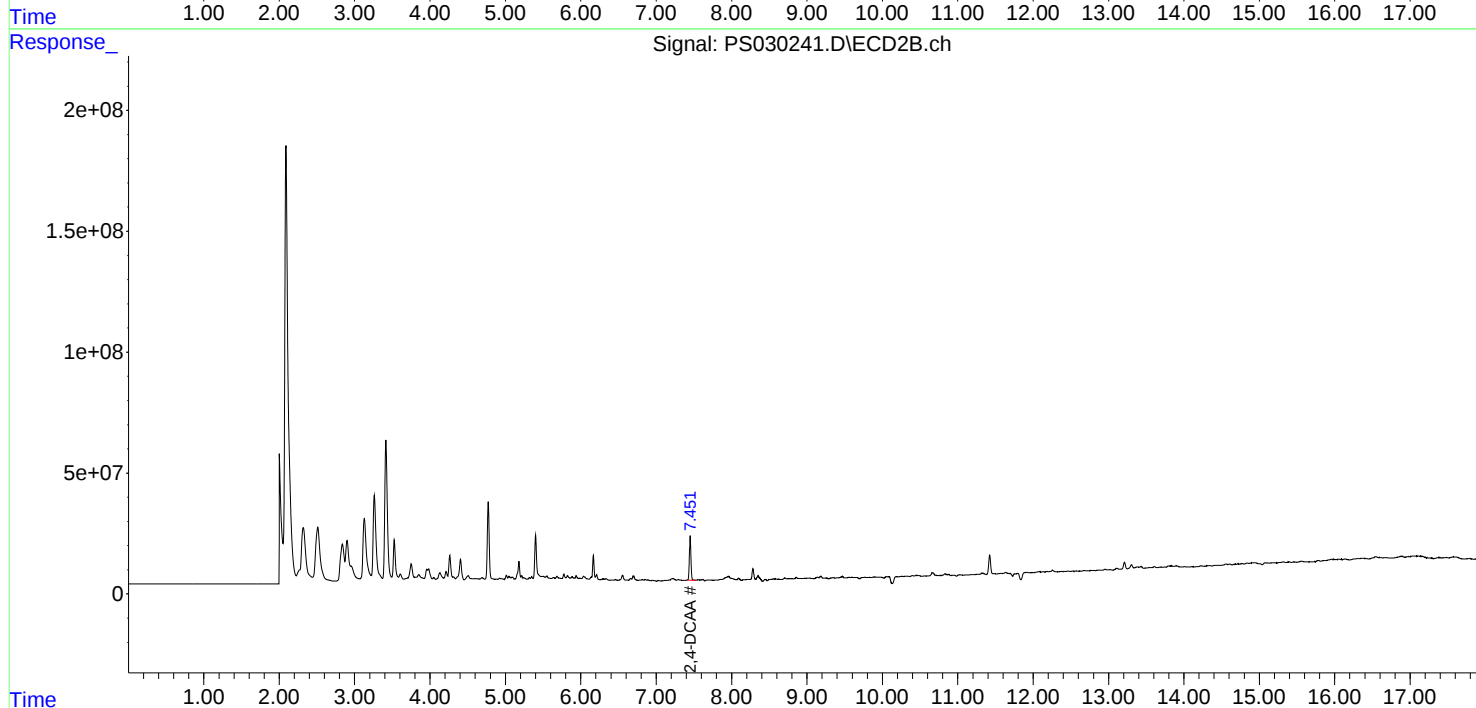
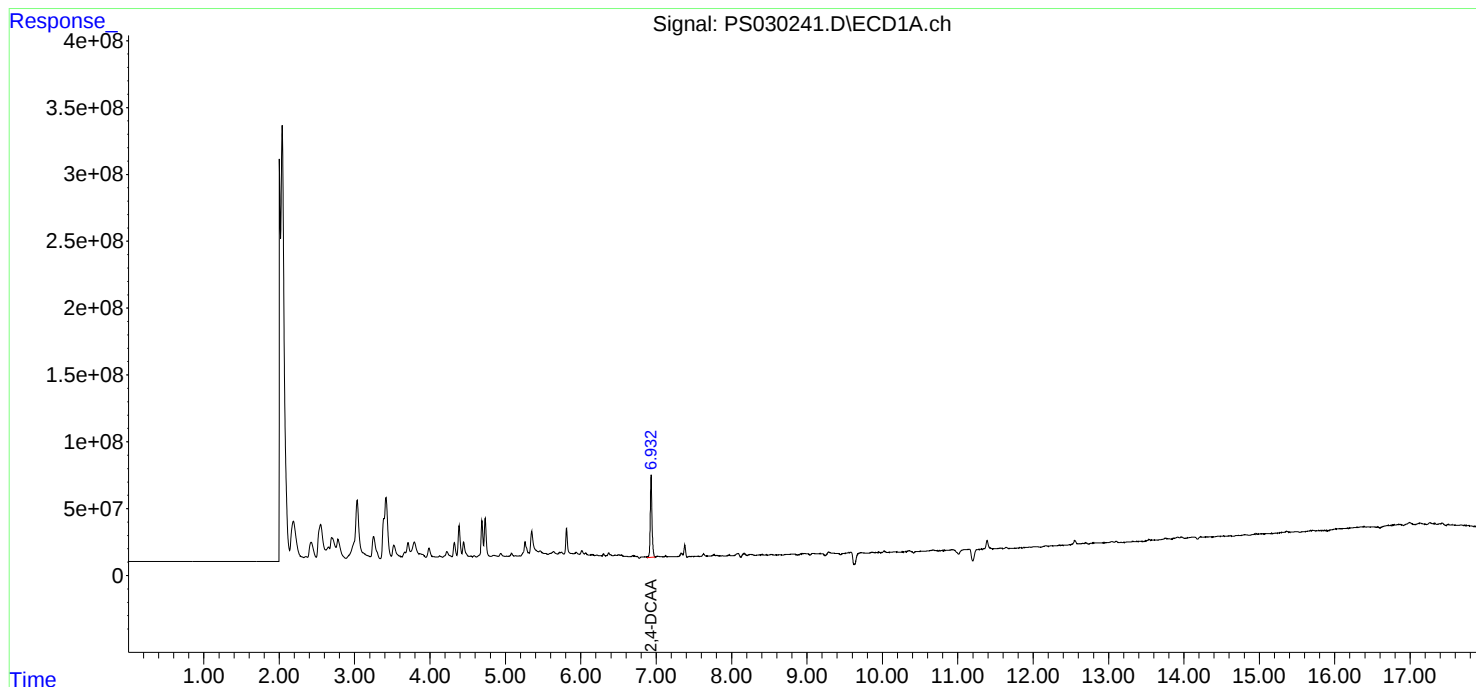
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

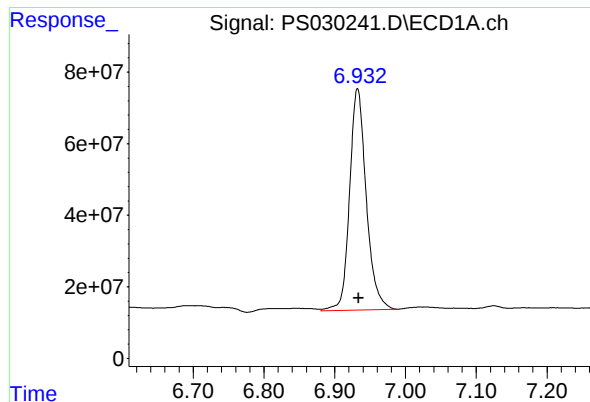
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030241.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:07
Operator : AR\AJ
Sample : Q2010-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-14

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.932 min

Delta R.T.: -0.001 min

Response: 1011726883

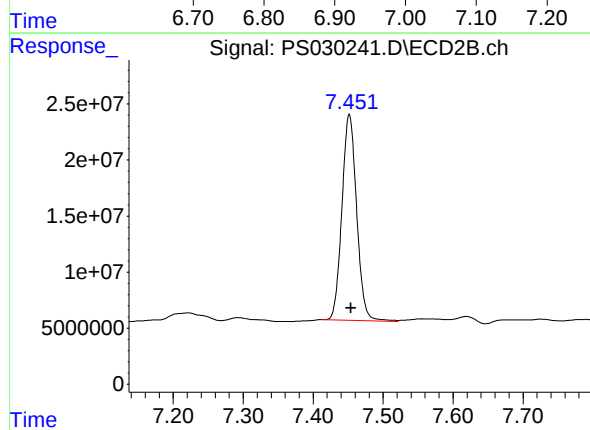
Conc: 355.27 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-14



#4 2,4-DCAA

R.T.: 7.452 min

Delta R.T.: -0.002 min

Response: 268553292

Conc: 335.61 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	77.4
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030242.D	1	05/13/25 10:35	05/15/25 18:31	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	10.0	U	10.0	86.4	ug/Kg
120-36-5	DICHLORPROP	16.5	U	16.5	86.4	ug/Kg
94-75-7	2,4-D	11.7	U	11.7	86.4	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.7	U	11.7	86.4	ug/Kg
93-76-5	2,4,5-T	11.2	U	11.2	86.4	ug/Kg
94-82-6	2,4-DB	31.2	U	31.2	86.4	ug/Kg
88-85-7	DINOSEB	13.9	U	13.9	86.4	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	360		10 - 141	72%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:31
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.933	7.452	1026.4E6	274.3E6	360.420	342.823

Target Compounds

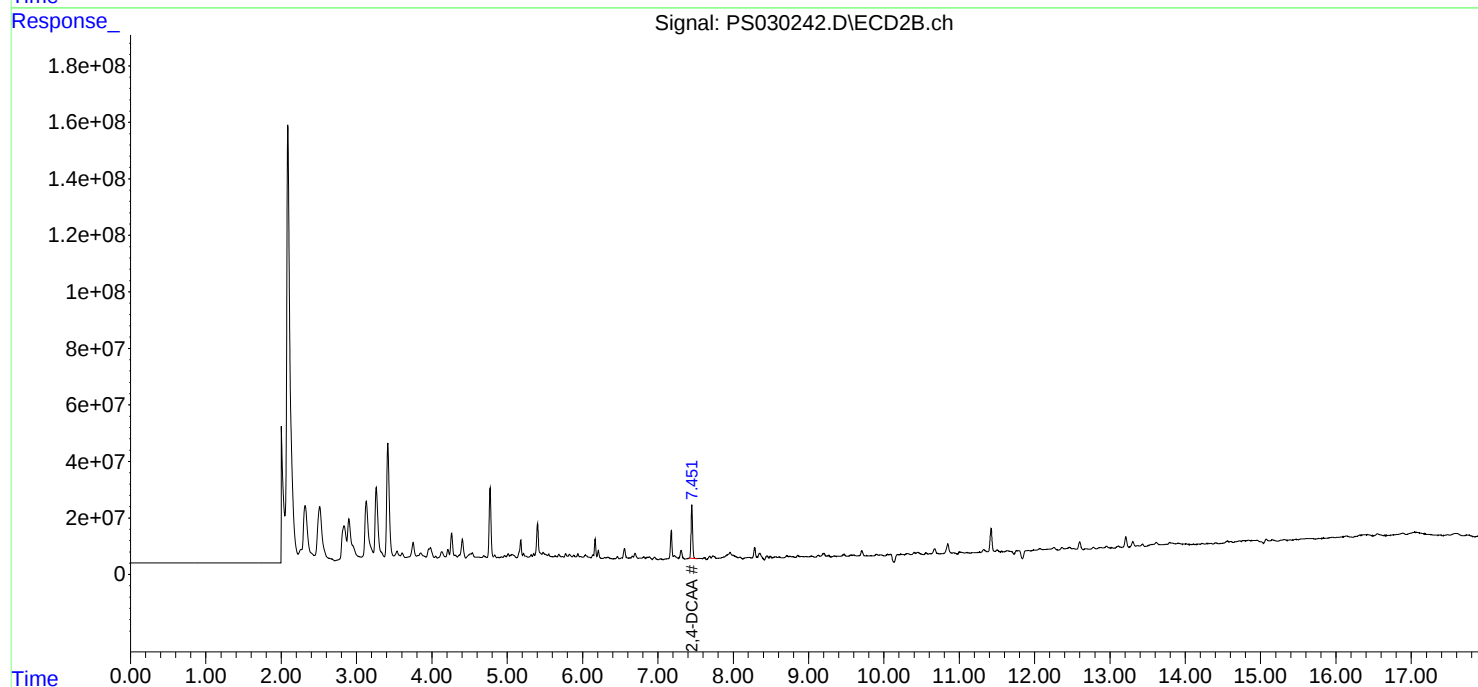
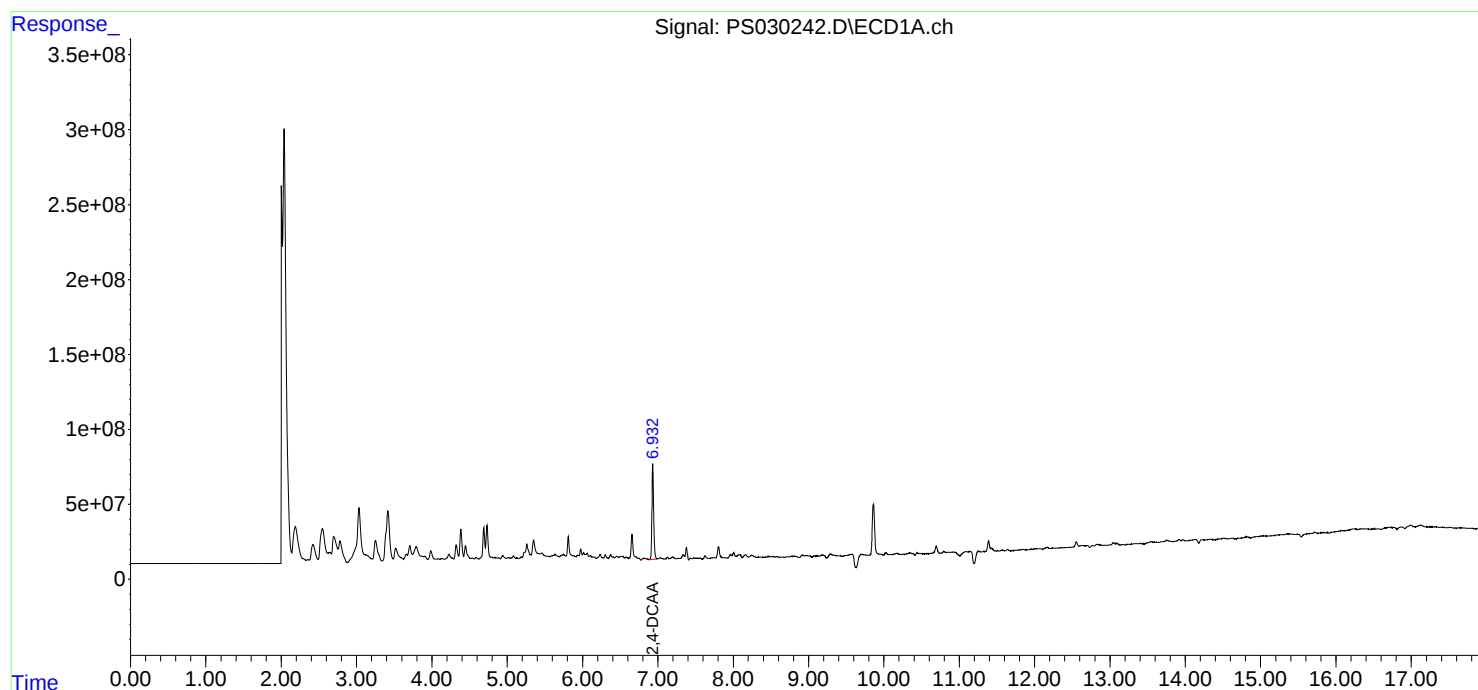
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

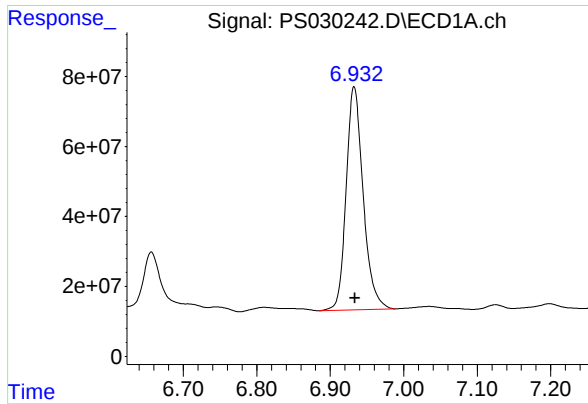
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030242.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 18:31
Operator : AR\AJ
Sample : Q2010-04
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-17

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 04:27:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial 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.: 6.933 min

Delta R.T.: -0.001 min

Response: 1026406893

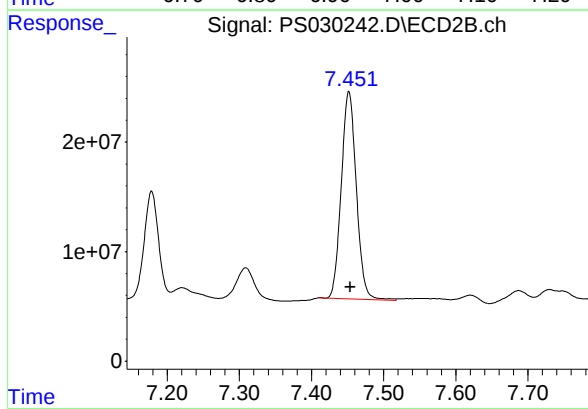
Conc: 360.42 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-17



#4 2,4-DCAA

R.T.: 7.452 min

Delta R.T.: -0.002 min

Response: 274328491

Conc: 342.82 ng/ml



CALIBRATION SUMMARY

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

[illegible]

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

[illegible]



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Instrument ID: ECD_S

Calibration Date(s): 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

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

LAB FILE ID:		CF 200 =	<u>PS030125.D</u>	CF 500 =	<u>PS030126.D</u>		
CF 750 =		<u>PS030127.D</u>	CF 1000 =	<u>PS030128.D</u>	CF 1500 =	<u>PS030129.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	19806400000	16697600000	15922400000	15360700000	14788800000	16515200000	12
2,4,5-TP(Silvex)	19321200000	16303400000	15619800000	15128700000	14606800000	16196000000	11
2,4-D	4048870000	3291910000	3113030000	3014870000	2926010000	3278940000	14
2,4-DB	2822620000	2567110000	2564340000	2542470000	2552320000	2609770000	5
2,4-DCAA	3540840000	2868830000	2702520000	2609290000	2517560000	2847810000	14
DICAMBA	13660900000	11601800000	11140600000	10847100000	10536400000	11557400000	11
DICHLORPROP	3626670000	2931320000	2773470000	2680380000	2594880000	2921340000	14
Dinoseb	13788600000	11497400000	10989000000	10638600000	10268200000	11436400000	12



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Instrument ID: ECD_S

Calibration Date(s): 05/12/2025 05/12/2025

Calibration Times: 12:30 14:06

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

LAB FILE ID:		CF 200 =	<u>PS030125.D</u>	CF 500 =	<u>PS030126.D</u>		
CF 750 =		<u>PS030127.D</u>	CF 1000 =	<u>PS030128.D</u>	CF 1500 =	<u>PS030129.D</u>	
COMPOUND	CF 200	CF 500	CF 750	CF 1000	CF 1500	CF	% RSD
2,4,5-T	10274700000	9232570000	9042300000	8854580000	8613880000	9203610000	7
2,4,5-TP(Silvex)	10913400000	9868000000	9697110000	9517670000	9255920000	9850430000	6
2,4-D	1480680000	1290430000	1248060000	1225910000	1207420000	1290500000	9
2,4-DB	1268930000	952436000	948485000	881256000	910753000	992372000	16
2,4-DCAA	922885000	799420000	773490000	758361000	746863000	800204000	9
DICAMBA	5034950000	4673810000	4651340000	4635790000	4643990000	4727980000	4
DICHLORPROP	1388930000	1177530000	1140920000	1112240000	1087540000	1181430000	10
Dinoseb	7723880000	6842530000	6670660000	6540750000	6382090000	6831980000	8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:30
 Operator : AR\AJ
 Sample : HSTDICC200
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC200

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:50:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial 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	6.934	7.454	708.2E6	184.6E6	233.150	221.866
Target Compounds							
1) T	Dalapon	2.446	2.520	1161.8E6	445.3E6	230.933	208.837
2) T	3,5-DICHL...	6.138	6.453	948.7E6	240.0E6	214.407	195.017
3) T	4-Nitroph...	6.725	6.989	439.9E6	195.9E6	203.363	173.219
5) T	DICAMBA	7.109	7.639	2568.3E6	946.6E6	211.650	199.141
6) T	MCP	7.286	7.744	110.4E6	32616416	14.656	18.070
7) T	MCPA	7.428	7.974	200.2E6	49441444	19.272	18.610
8) T	DICHLORPROP	7.789	8.332	681.8E6	261.1E6	219.198	211.296
9) T	2,4-D	8.011	8.644	761.2E6	278.4E6	218.443	207.780
10) T	Pentachlo...	8.286	9.144	9450.6E6	5262.3E6	215.768	204.481
11) T	2,4,5-TP ...	8.850	9.522	3671.0E6	2073.6E6	214.913	204.100
12) T	2,4,5-T	9.133	9.927	3763.2E6	1952.2E6	215.342	205.137
13) T	2,4-DB	9.691	10.485	536.3E6	241.1E6	202.273	228.178
14) T	DINOSEB	10.850	10.858	2592.3E6	1452.1E6	214.384	205.126
15) T	Picloram	10.672	11.892	4602.8E6	2955.0E6	207.830	206.560m
16) T	DCPA	11.152	11.892	4589.7E6	2821.7E6	217.427	194.524m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:30
Operator : AR\AJ
Sample : HSTDICC200
Misc :
ALS Vial : 3 Sample Multiplier: 1

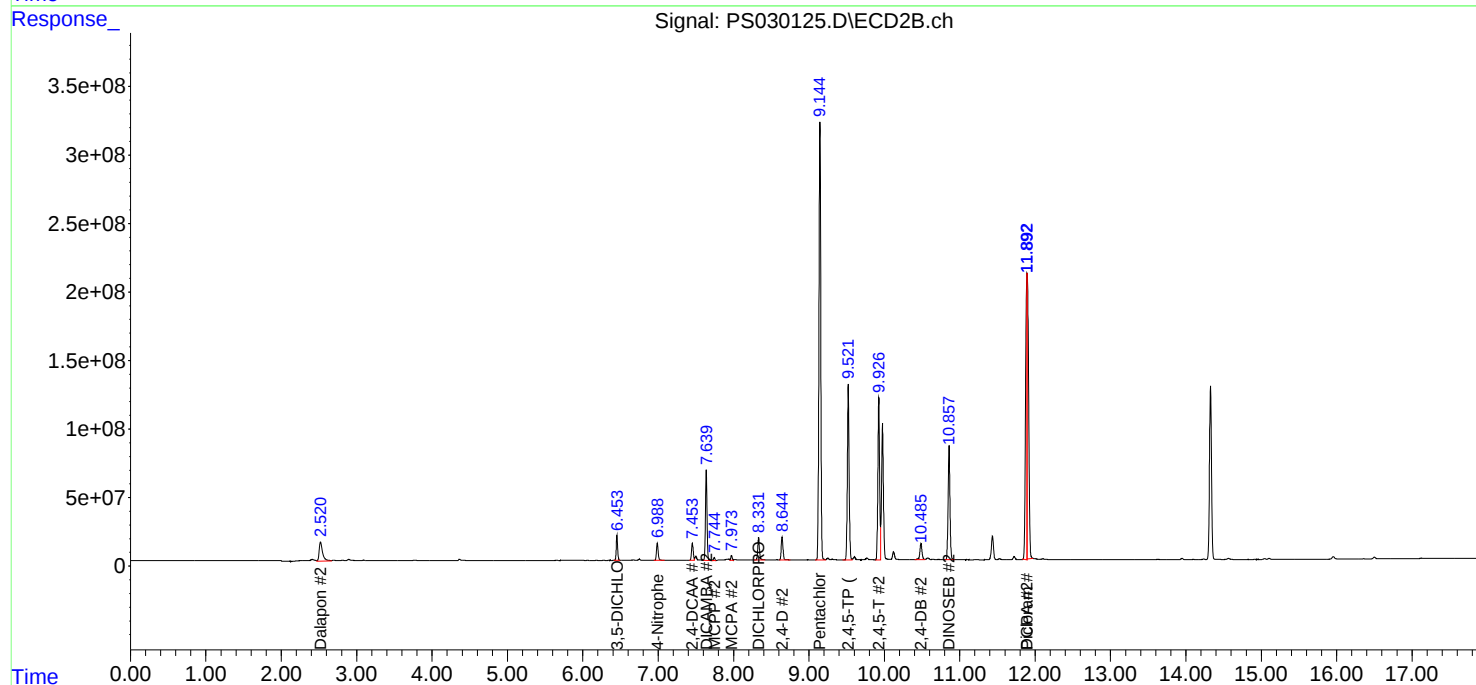
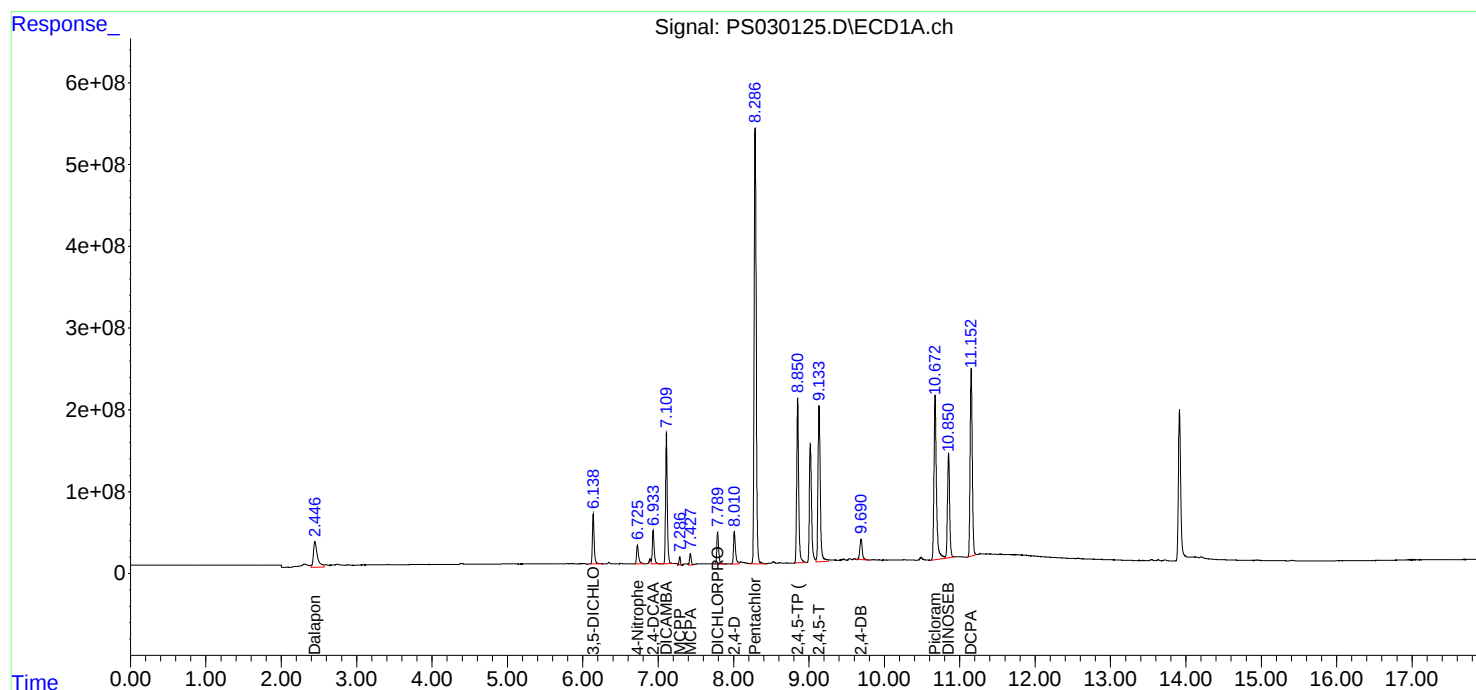
Instrument :
ECD_S
ClientSampleId :
HSTDICC200

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/13/2025
Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:50:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 12:54
 Operator : AR\AJ
 Sample : HSTDICC500
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:47:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial 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	6.933	7.454	1434.4E6	399.7E6	514.926	508.243
Target Compounds							
1) T	Dalapon	2.447	2.520	2243.7E6	920.5E6	471.266	466.069
2) T	3,5-DICHL...	6.138	6.453	1954.7E6	604.8E6	478.289	503.770
3) T	4-Nitroph...	6.724	6.988	957.1E6	626.7E6	470.076	541.042
5) T	DICAMBA	7.109	7.639	5452.8E6	2196.7E6	479.532	471.133
6) T	MCPD	7.287	7.746	351.0E6	83878837	46.529	45.584
7) T	MCPA	7.429	7.975	474.0E6	124.4E6	46.459	46.843
8) T	DICHLORPROP	7.789	8.332	1377.7E6	553.4E6	483.005	477.421
9) T	2,4-D	8.009	8.645	1547.2E6	606.5E6	483.126	477.844
10) T	Pentachlo...	8.286	9.145	19907.6E6	11940.1E6	487.580	482.342
11) T	2,4,5-TP ...	8.851	9.523	7744.1E6	4687.3E6	485.171	479.149
12) T	2,4,5-T	9.132	9.927	7931.4E6	4385.5E6	486.289	479.945
13) T	2,4-DB	9.690	10.485	1219.4E6	452.4E6	475.256	475.987
14) T	DINOSEB	10.851	10.859	5403.8E6	3216.0E6	480.627	475.978
15) T	Picloram	10.672	11.894	10147.5E6	6755.0E6	480.746	488.999m
16) T	DCPA	11.152	11.893	9696.2E6	6912.8E6	491.912	476.219m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:54
Operator : AR\AJ
Sample : HSTDICC500
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC500

Manual Integrations

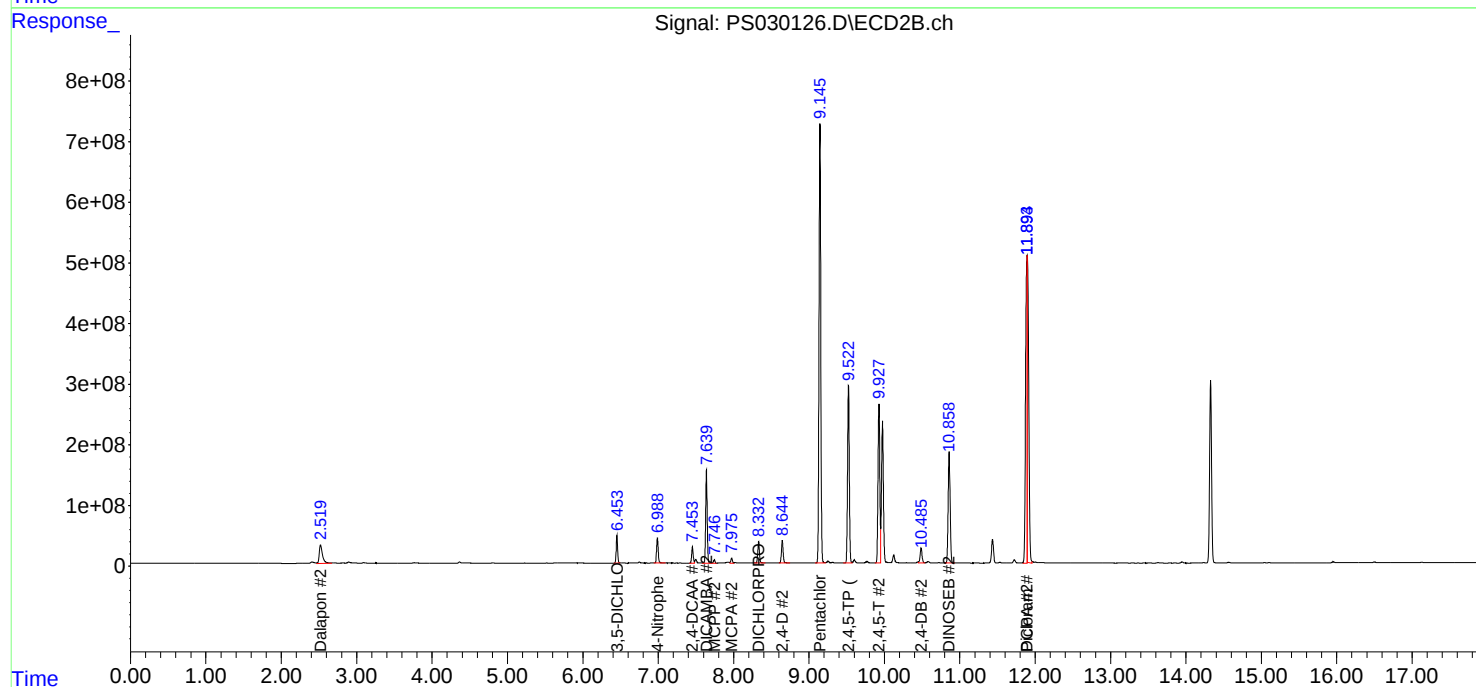
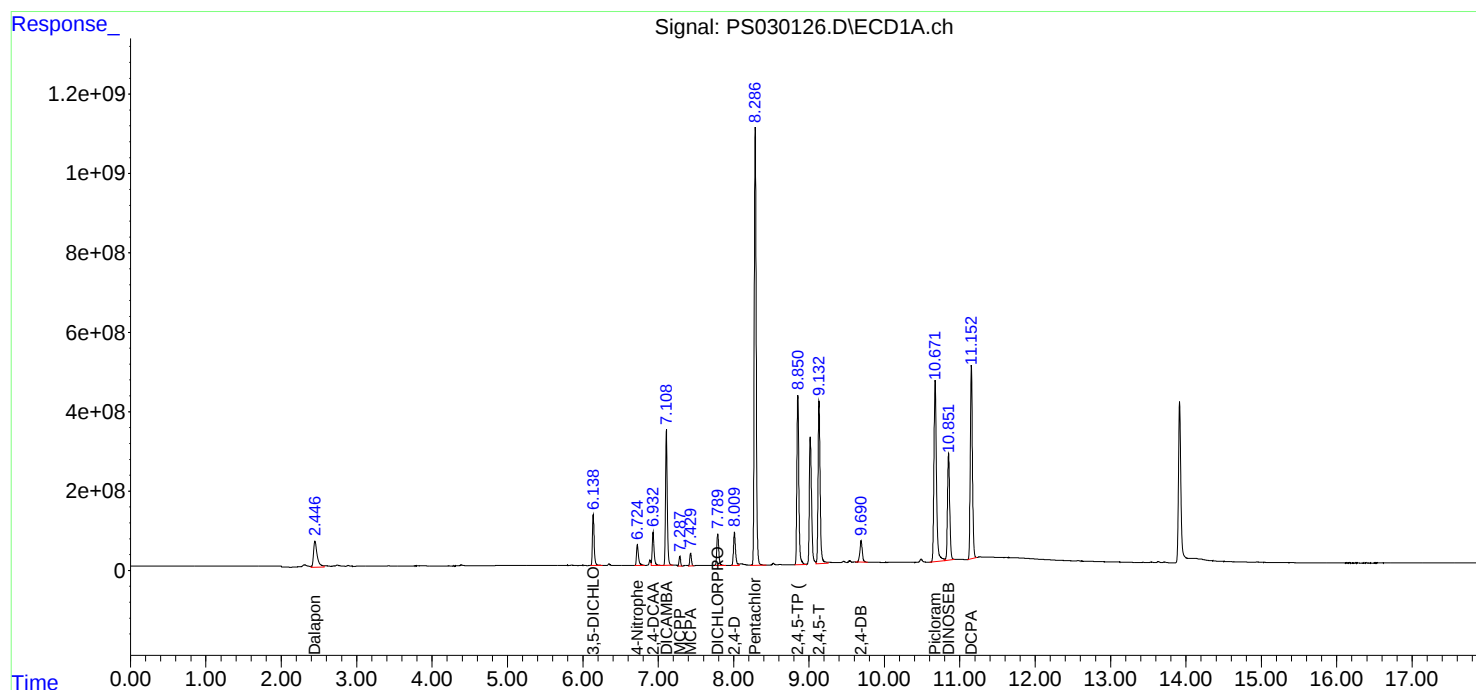
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:47:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial 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\PS051225\
 Data File : PS030127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:18
 Operator : AR\AJ
 Sample : HSTDICC750
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:43:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:43:14 2025
 Response via : Initial 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	6.934	7.454	2026.9E6	580.1E6	750.000	750.000
Target Compounds							
1) T	Dalapon	2.446	2.520	3133.2E6	1315.1E6	682.500	682.500
2) T	3,5-DICHL...	6.138	6.453	2769.2E6	767.6E6	697.500	697.500
3) T	4-Nitroph...	6.724	6.988	1343.5E6	641.1E6	682.500	682.500
5) T	DICAMBA	7.110	7.639	7854.1E6	3279.2E6	705.000	705.000
6) T	MCPD	7.289	7.747	537.2E6	133.6E6	70.500	70.500
7) T	MCPA	7.431	7.977	712.2E6	183.9E6	69.750	69.750
8) T	DICHLORPROP	7.789	8.332	1955.3E6	804.4E6	705.000	705.000
9) T	2,4-D	8.010	8.644	2194.7E6	879.9E6	705.000	705.000
10) T	Pentachlo...	8.287	9.145	28320.5E6	17364.8E6	712.500	712.500
11) T	2,4,5-TP ...	8.850	9.523	11129.1E6	6909.2E6	712.500	712.500
12) T	2,4,5-T	9.133	9.926	11344.7E6	6442.6E6	712.500	712.500
13) T	2,4-DB	9.689	10.485	1827.1E6	675.8E6	712.500	712.500
14) T	DINOSEB	10.851	10.858	7747.2E6	4702.8E6	705.000	705.000
15) T	Picloram	10.670	11.894	14857.3E6	9721.1E6	712.500	727.171m
16) T	DCPA	11.153	11.893	13839.9E6	10000.3E6	720.000	727.183m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:18
Operator : AR\AJ
Sample : HSTDICC750
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC750

Manual Integrations

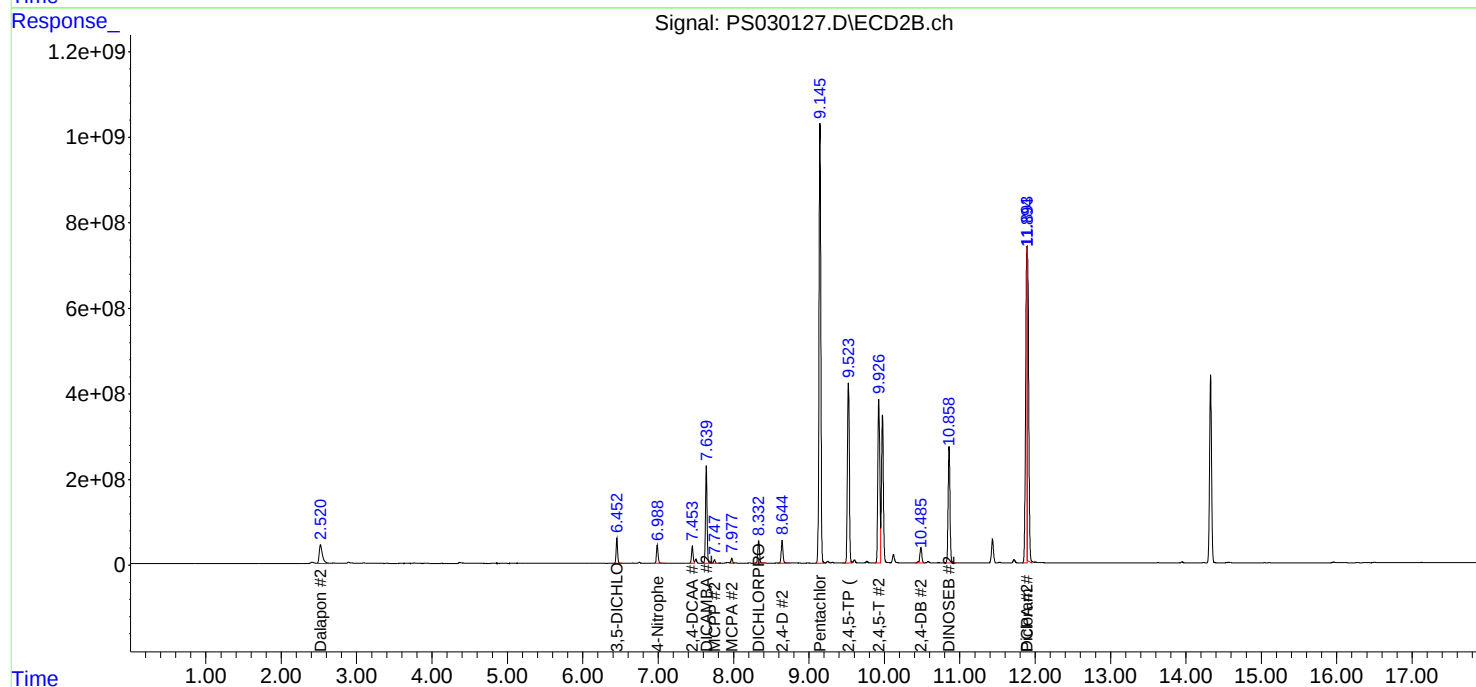
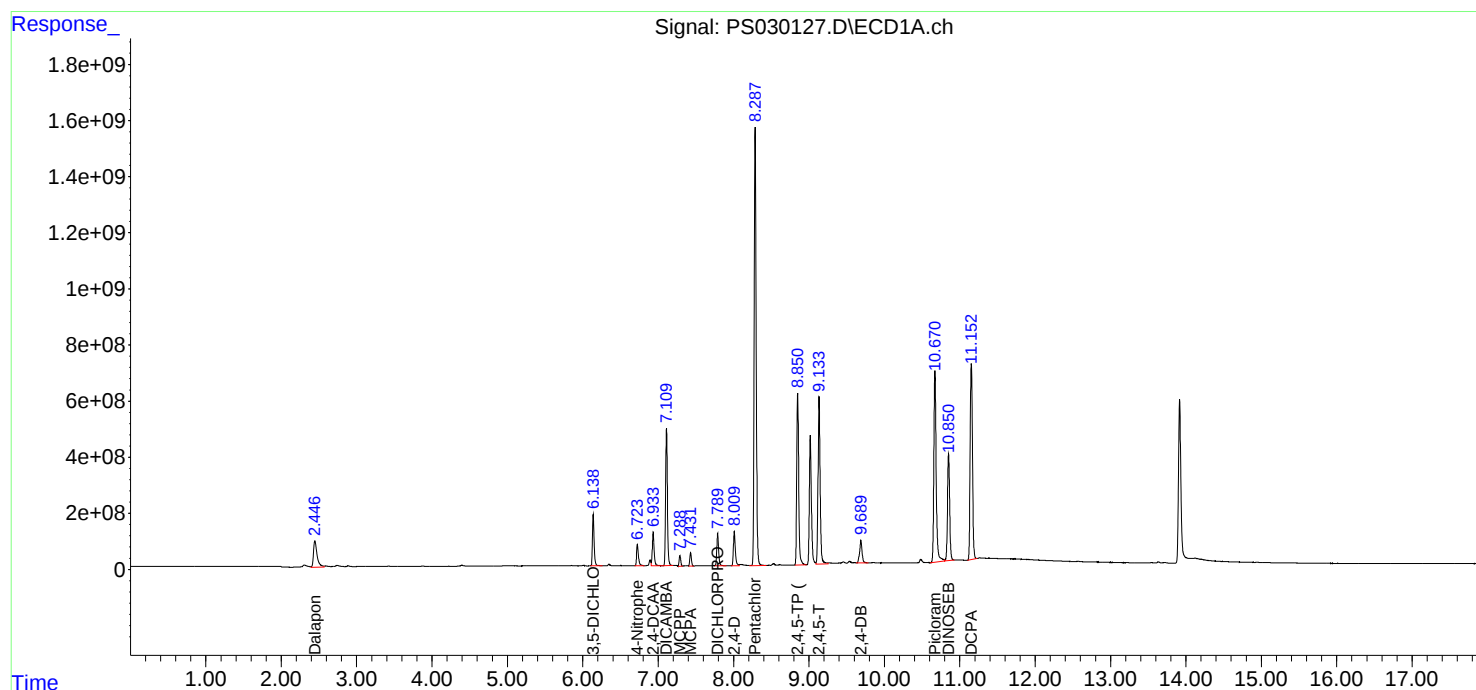
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:43:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:43:14 2025
Response via : Initial 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\PS051225\
 Data File : PS030128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 13:42
 Operator : AR\AJ
 Sample : HSTDICC1000
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 HSTDICC1000

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/13/2025
 Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 13:58:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 13:58:36 2025
 Response via : Initial 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	6.933	7.454	2609.3E6	758.4E6	890.431	932.175
Target Compounds							
1) T	Dalapon	2.446	2.520	4022.0E6	1730.9E6	791.534	834.294
2) T	3,5-DICHL...	6.139	6.453	3590.0E6	1001.6E6	838.061	840.224
3) T	4-Nitroph...	6.724	6.988	1760.4E6	837.7E6	835.965	776.796
5) T	DICAMBA	7.109	7.640	10196.3E6	4357.6E6	863.169	917.597
6) T	MCPD	7.290	7.749	729.6E6	177.4E6	101.601	97.188
7) T	MCPA	7.433	7.979	953.9E6	245.9E6	92.106	92.679
8) T	DICHLORPROP	7.789	8.332	2519.6E6	1045.5E6	839.025	867.706
9) T	2,4-D	8.009	8.645	2834.0E6	1152.4E6	841.649	878.805
10) T	Pentachlo...	8.287	9.145	36236.2E6	22455.0E6	854.920	890.701
11) T	2,4,5-TP ...	8.850	9.523	14372.3E6	9041.8E6	866.151	904.264
12) T	2,4,5-T	9.132	9.927	14592.7E6	8411.9E6	861.090	899.563
13) T	2,4-DB	9.689	10.485	2415.4E6	837.2E6	920.436	826.632
14) T	DINOSEB	10.851	10.859	10000.3E6	6148.3E6	852.655	885.355
15) T	Picloram	10.670	11.894	19519.6E6	13097.0E6	897.581	914.915m
16) T	DCPA	11.152	11.891	17786.8E6	11870.5E6	869.183	851.929m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 13:42
Operator : AR\AJ
Sample : HSTDICC1000
Misc :
ALS Vial : 6 Sample Multiplier: 1

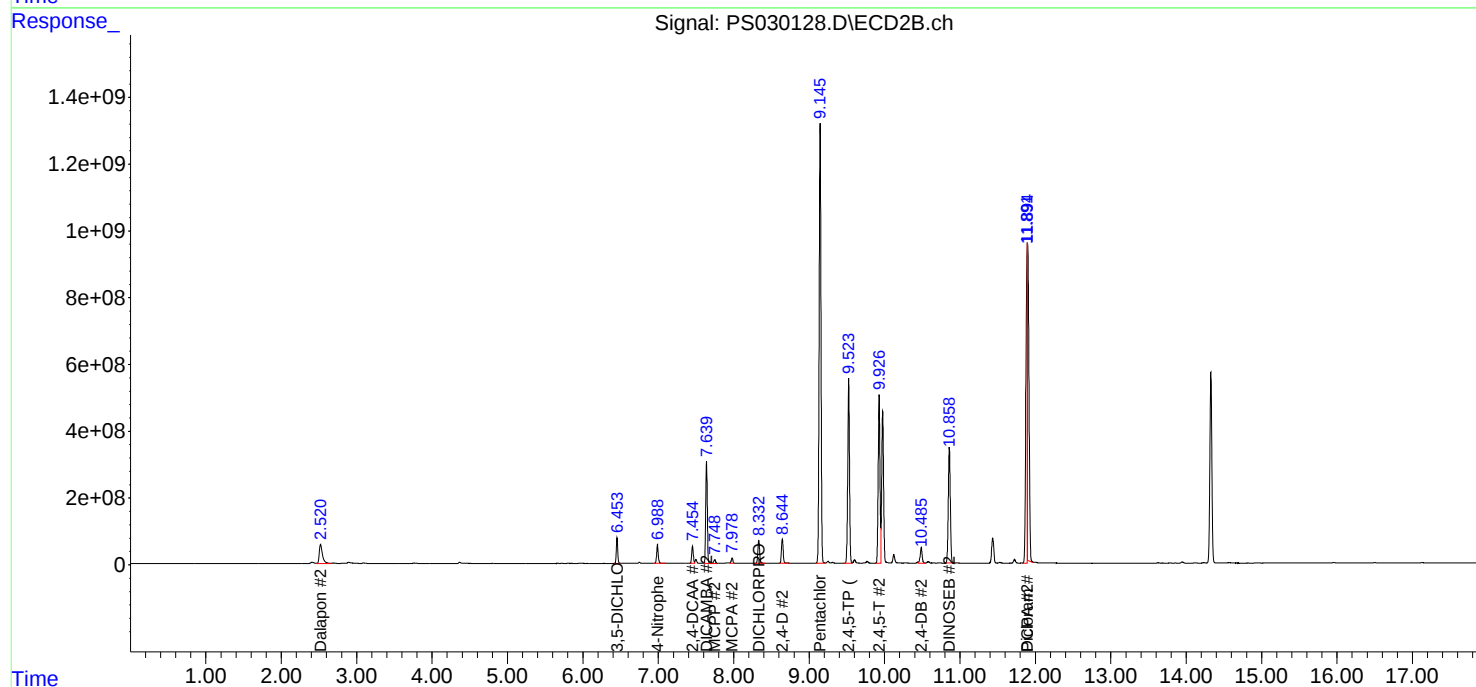
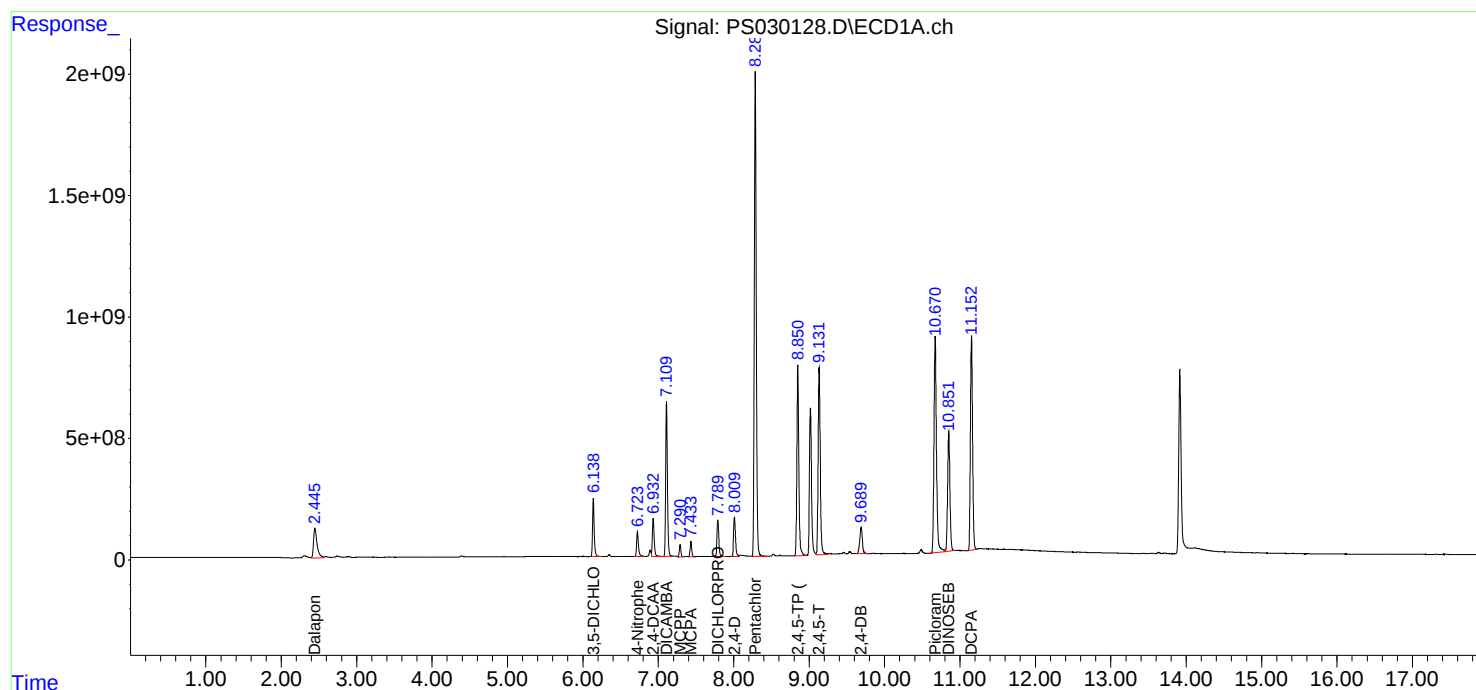
Instrument :
ECD_S
ClientSampleId :
HSTDICC1000

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/13/2025
Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:58:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 13:58:36 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030129.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:06
 Operator : AR\AJ
 Sample : HSTDICC1500
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 14:28:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:27:56 2025
 Response via : Initial 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	6.934	7.454	3776.3E6	1120.3E6	1326.050	1400.011
Target Compounds							
1) T	Dalapon	2.446	2.520	5803.8E6	2534.2E6	1180.753	1247.720
2) T	3,5-DICHL...	6.139	6.453	5186.8E6	1479.7E6	1243.675	1269.249
3) T	4-Nitroph...	6.724	6.988	2599.8E6	1237.2E6	1258.609	1184.993
5) T	DICAMBA	7.110	7.640	14856.3E6	6548.0E6	1285.438	1384.953
6) T	MCP	7.293	7.751	1084.1E6	267.4E6	148.855	145.320
7) T	MCPA	7.437	7.983	1462.0E6	359.0E6	140.839	136.111
8) T	DICHLORPROP	7.789	8.333	3658.8E6	1533.4E6	1252.430	1297.948
9) T	2,4-D	8.009	8.645	4125.7E6	1702.5E6	1258.234	1319.227
10) T	Pentachlo...	8.293	9.145	46970.5E6	32180.6E6	1159.743	1303.651
11) T	2,4,5-TP ...	8.851	9.523	20814.7E6	13189.7E6	1285.177	1338.996
12) T	2,4,5-T	9.133	9.927	21074.1E6	12274.8E6	1276.042	1333.692
13) T	2,4-DB	9.690	10.485	3637.1E6	1297.8E6	1393.631	1307.799
14) T	DINOSEB	10.852	10.859	14478.2E6	8998.7E6	1265.980	1317.150
15) T	Picloram	10.670	11.895	28424.6E6	18755.9E6	1329.063	1314.827m
16) T	DCPA	11.153	11.892	25491.3E6	17567.8E6	1280.231	1314.389m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030129.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:06
Operator : AR\AJ
Sample : HSTDICC1500
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDICC1500

Manual Integrations

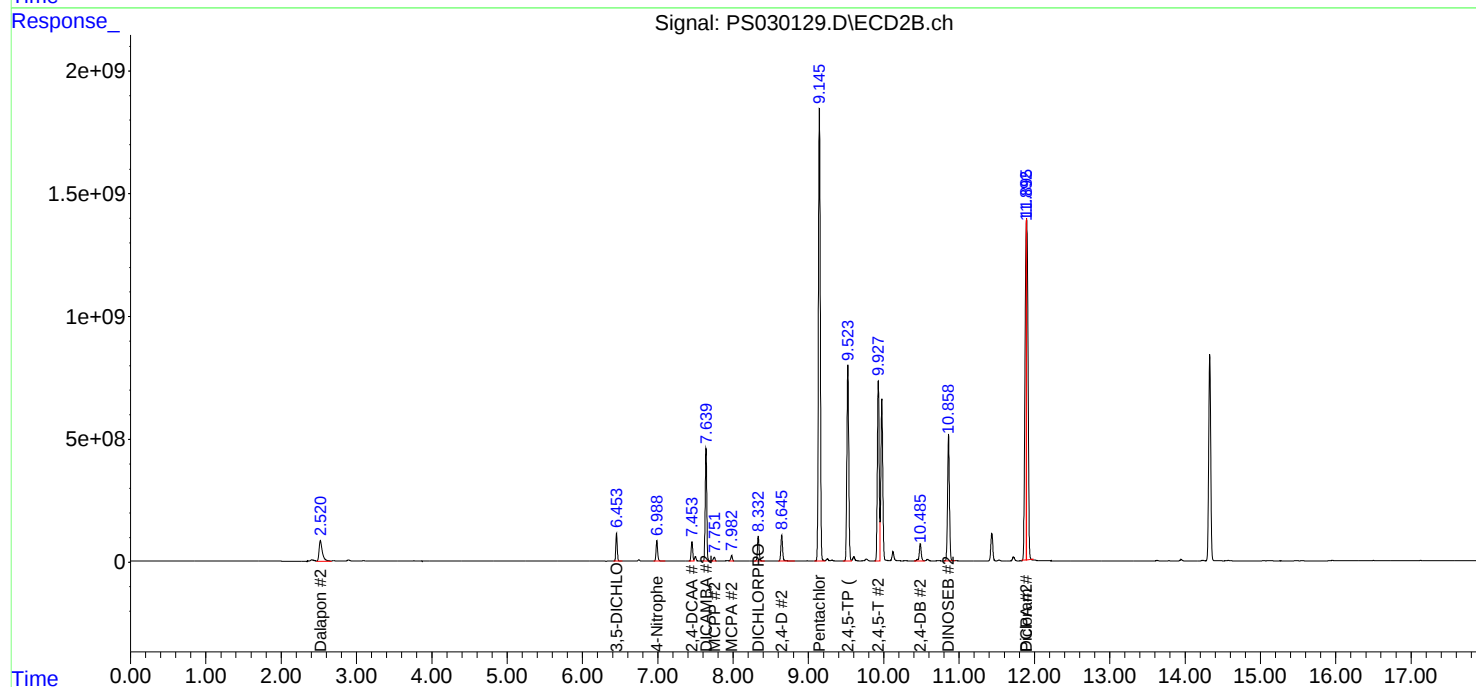
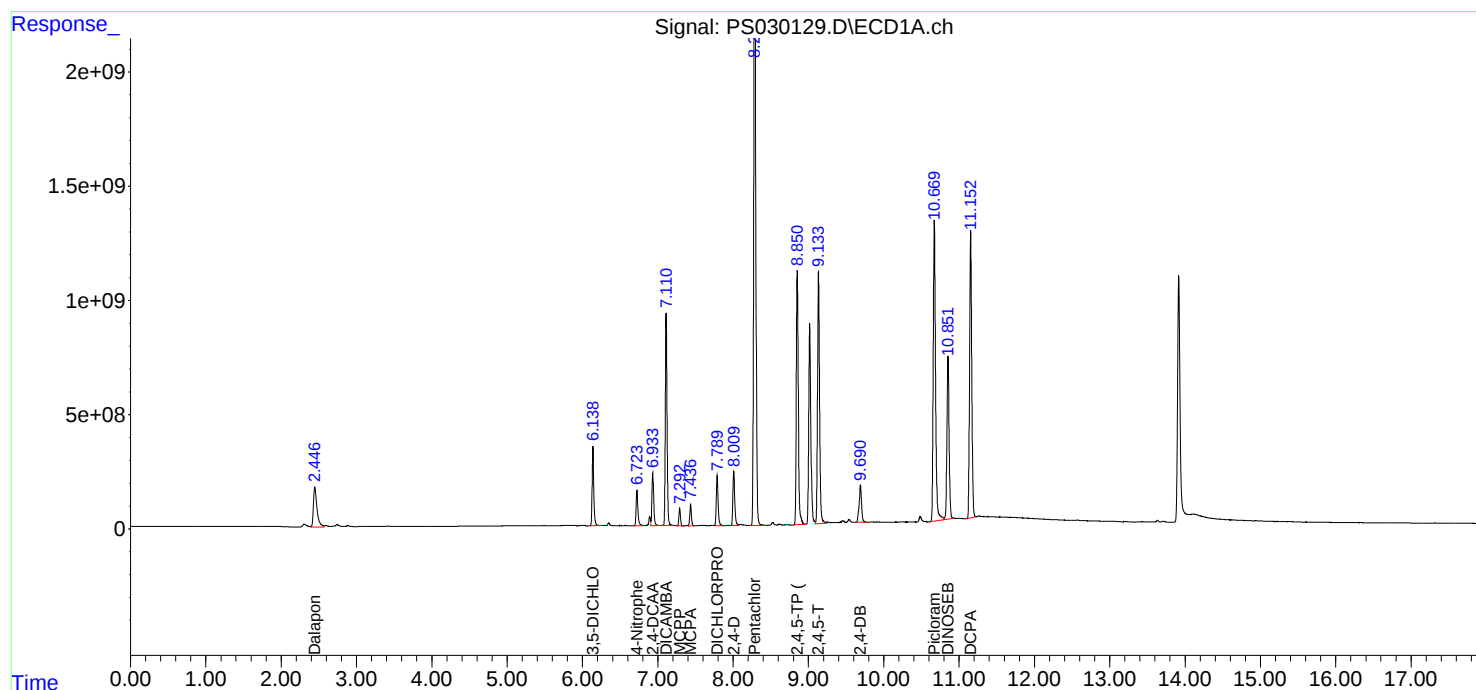
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:28:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:27:56 2025
Response via : Initial 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\PS051225\
 Data File : PS030130.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 May 2025 14:30
 Operator : AR\AJ
 Sample : HSTDICV750
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 12 15:04:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.934	7.454	2000.1E6	576.9E6	702.326	720.970
Target Compounds							
1) T	Dalapon	2.446	2.520	3076.9E6	1314.3E6	625.967	647.108
2) T	3,5-DICHL...	6.139	6.453	2750.7E6	760.8E6	659.557	652.607
3) T	4-Nitroph...	6.724	6.989	1318.9E6	628.7E6	638.507	602.172
5) T	DICAMBA	7.110	7.640	7834.8E6	3263.7E6	677.908	690.298
6) T	MCPD	7.289	7.748	532.7E6	133.5E6	73.145	72.581
7) T	MCPA	7.431	7.978	699.7E6	180.7E6	67.398	68.504
8) T	DICHLORPROP	7.790	8.333	1940.1E6	796.8E6	664.107	674.472
9) T	2,4-D	8.010	8.645	2200.0E6	878.7E6	670.942	680.913
10) T	Pentachlo...	8.287	9.145	28175.2E6	17257.0E6	695.670	699.091
11) T	2,4,5-TP ...	8.851	9.524	11116.5E6	6877.2E6	686.375	698.163
12) T	2,4,5-T	9.133	9.927	11274.6E6	6386.9E6	682.678	693.957
13) T	2,4-DB	9.691	10.486	1842.8E6	635.3E6	706.110	640.157
14) T	DINOSEB	10.851	10.859	7678.7E6	4674.1E6	671.427	684.150
15) T	Picloram	10.671	11.895	14927.7E6	9640.6E6	697.983	685.038m
16) T	DCPA	11.153	11.892	13809.2E6	9287.7E6	693.529	687.439m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030130.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 14:30
Operator : AR\AJ
Sample : HSTDICV750
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

ICVPS051225

Manual Integrations

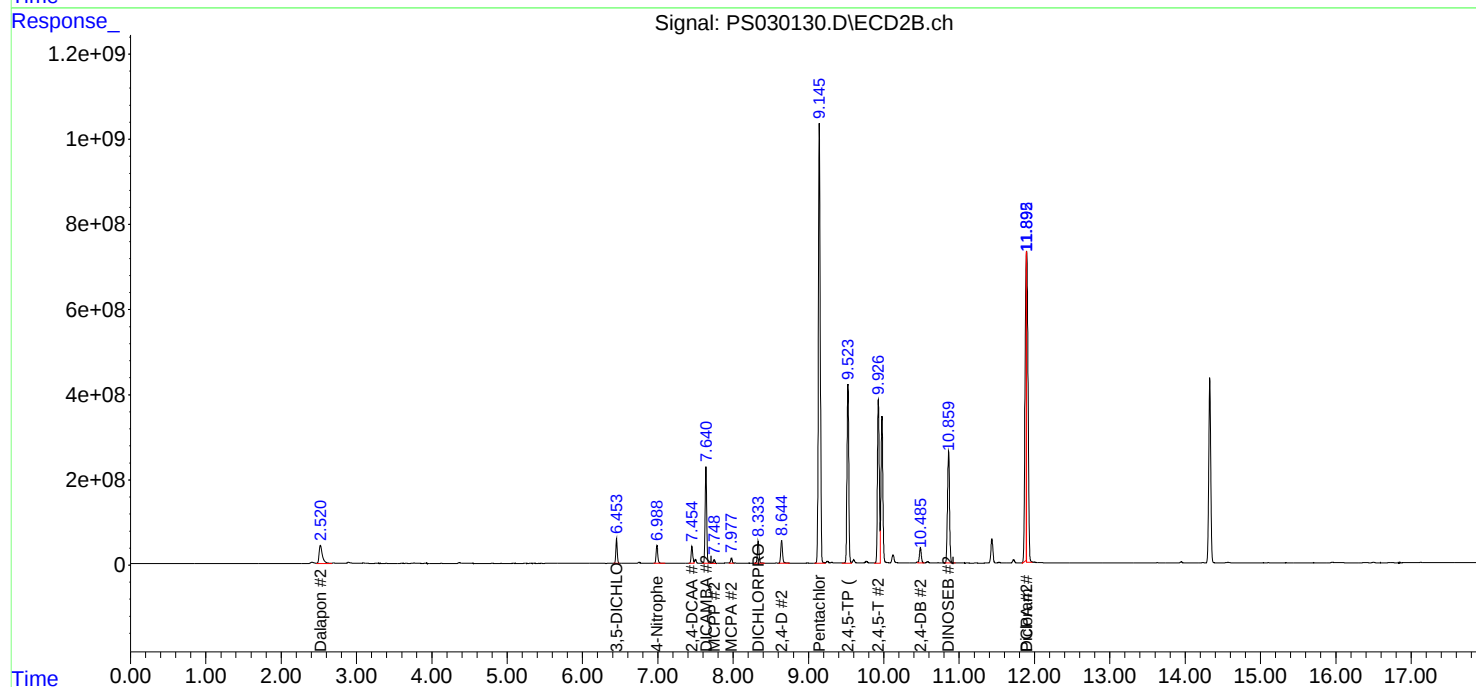
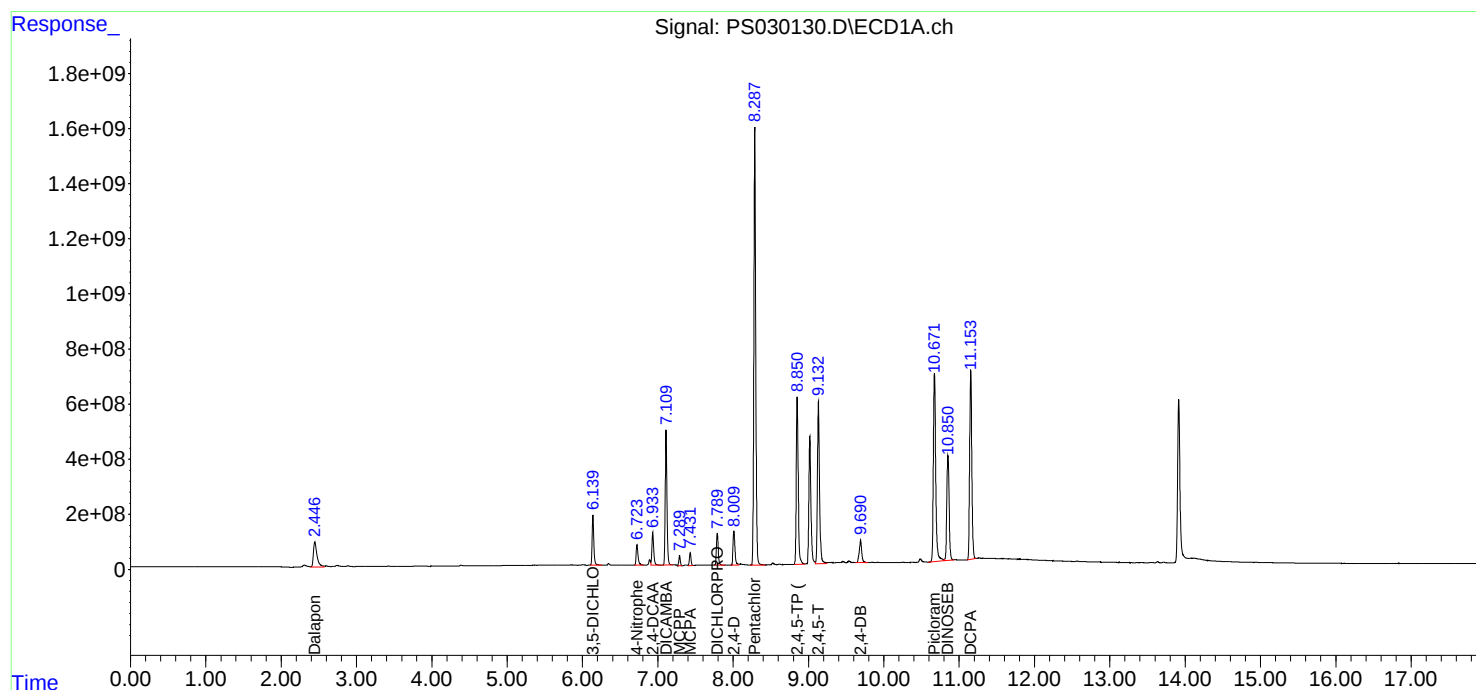
APPROVED

Reviewed By :Abdul Mirza 05/13/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:04:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 13:53 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 13:53 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.93	9.93	9.83	10.03	0.00
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.00



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CALIBRATION VERIFICATION SUMMARY
Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/12/2025 05/12/2025
Client Sample No.: CCAL01 **Date Analyzed:** 05/14/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030180.D **Time Analyzed:** 13:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.132	9.033	9.233	683.550	712.500	-4.1
2,4,5-TP(Silvex)	8.850	8.750	8.950	681.540	712.500	-4.3
2,4-D	8.009	7.910	8.110	665.970	705.000	-5.5
2,4-DB	9.690	9.589	9.789	709.650	712.500	-0.4
2,4-DCAA	6.933	6.834	7.034	709.920	750.000	-5.3
DICAMBA	7.109	7.010	7.210	674.500	705.000	-4.3
DICHLORPROP	7.789	7.689	7.889	663.920	705.000	-5.8
Dinoseb	10.850	10.751	10.951	667.910	705.000	-5.3



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: HSTDCCC750 Data File : PS030180.D Time Analyzed: 13:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.925	9.826	10.026	685.760	712.500	-3.8
2,4,5-TP(Silvex)	9.521	9.423	9.623	691.060	712.500	-3.0
2,4-D	8.643	8.544	8.744	682.250	705.000	-3.2
2,4-DB	10.483	10.385	10.585	647.540	712.500	-9.1
2,4-DCAA	7.453	7.354	7.554	717.910	750.000	-4.3
DICAMBA	7.638	7.539	7.739	686.280	705.000	-2.7
DICHLORPROP	8.331	8.232	8.432	661.570	705.000	-6.2
Dinoseb	10.856	10.758	10.958	670.800	705.000	-4.9

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
 Data File : PS030180.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 13:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 14 14:09:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.933	7.453	2021.7E6	574.5E6	709.917	717.915
Target Compounds							
1) T	Dalapon	2.446	2.520	3014.5E6	1267.2E6	613.272	623.934
2) T	3,5-DICHL...	6.138	6.453	2749.3E6	750.1E6	659.207	643.373
3) T	4-Nitroph...	6.724	6.988	1357.9E6	620.3E6	657.402	594.112
5) T	DICAMBA	7.109	7.638	7795.4E6	3244.7E6	674.496	686.281
6) T	MCPPE	7.288	7.746	532.4E6	126.5E6	73.105	68.764
7) T	MCPA	7.431	7.976	703.4E6	175.7E6	67.758	66.616
8) T	DICHLORPROP	7.789	8.331	1939.5E6	781.6E6	663.917	661.566
9) T	2,4-D	8.009	8.643	2183.7E6	880.4E6	665.967	682.247
10) T	Pentachlo...	8.286	9.143	28004.1E6	17238.3E6	691.446	698.332
11) T	2,4,5-TP ...	8.850	9.521	11038.2E6	6807.3E6	681.538	691.063
12) T	2,4,5-T	9.132	9.925	11289.0E6	6311.5E6	683.553	685.763
13) T	2,4-DB	9.690	10.483	1852.0E6	642.6E6	709.646	647.543
14) T	DINOSEB	10.850	10.856	7638.5E6	4582.9E6	667.914	670.798
15) T	Picloram	10.671	11.891	13966.2E6	10072.1E6	653.025	715.695m
16) T	DCPA	11.151	11.891	13689.7E6	9686.1E6	687.528	716.931m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030180.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

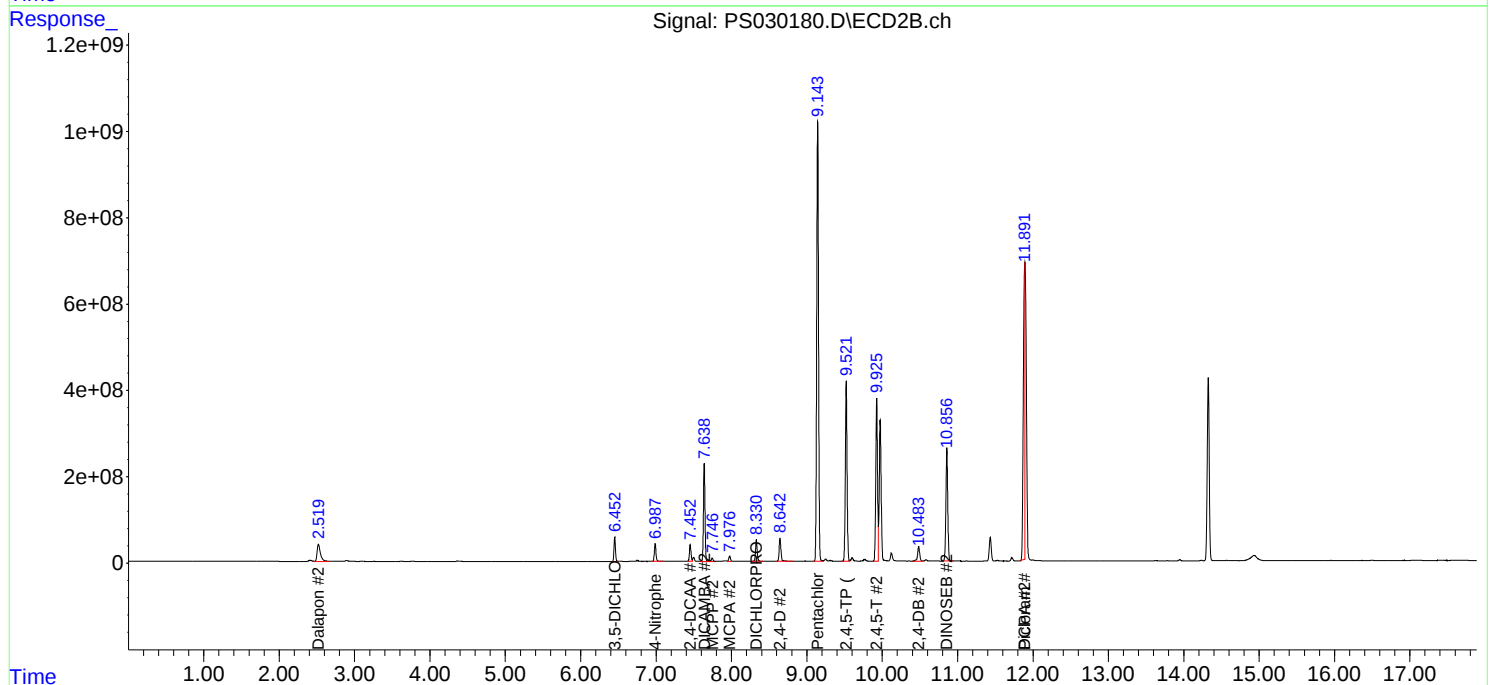
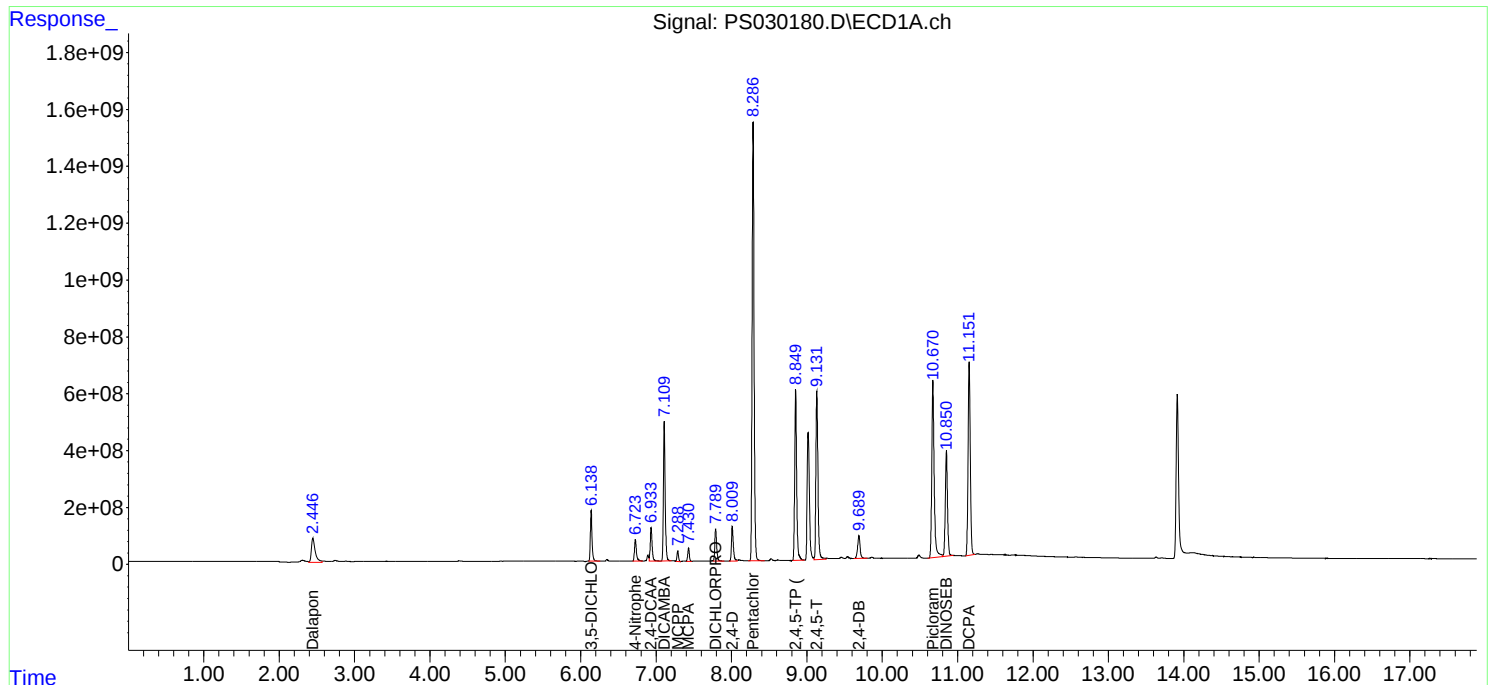
APPROVED

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 14:09:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 17:53 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 17:53 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.93	9.93	9.83	10.03	0.00
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: HSTDCCC750 Data File : PS030190.D Time Analyzed: 17:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.132	9.033	9.233	698.460	712.500	-2.0
2,4,5-TP(Silvex)	8.851	8.750	8.950	696.850	712.500	-2.2
2,4-D	8.010	7.910	8.110	679.920	705.000	-3.6
2,4-DB	9.690	9.589	9.789	727.790	712.500	2.1
2,4-DCAA	6.933	6.834	7.034	724.480	750.000	-3.4
DICAMBA	7.110	7.010	7.210	689.130	705.000	-2.3
DICHLORPROP	7.790	7.689	7.889	677.360	705.000	-3.9
Dinoseb	10.851	10.751	10.951	683.150	705.000	-3.1



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: HSTDCCC750 Data File : PS030190.D Time Analyzed: 17:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.925	9.826	10.026	702.590	712.500	-1.4
2,4,5-TP(Silvex)	9.521	9.423	9.623	706.930	712.500	-0.8
2,4-D	8.643	8.544	8.744	697.370	705.000	-1.1
2,4-DB	10.483	10.385	10.585	660.760	712.500	-7.3
2,4-DCAA	7.453	7.354	7.554	734.300	750.000	-2.1
DICAMBA	7.639	7.539	7.739	704.930	705.000	0.0
DICHLORPROP	8.331	8.232	8.432	679.360	705.000	-3.6
Dinoseb	10.857	10.758	10.958	688.750	705.000	-2.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
 Data File : PS030190.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:53
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/15/2025

Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:03:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.933	7.453	2063.2E6	587.6E6	724.484	734.301
Target Compounds							
1) T	Dalapon	2.447	2.520	3084.2E6	1290.4E6	627.454	635.329
2) T	3,5-DICHL...	6.139	6.452	2802.1E6	770.6E6	671.883	660.971
3) T	4-Nitroph...	6.724	6.988	1387.8E6	637.1E6	671.844	610.212
5) T	DICAMBA	7.110	7.639	7964.5E6	3332.9E6	689.127	704.931
6) T	MCP	7.289	7.746	542.6E6	129.8E6	74.508	70.531
7) T	MCPA	7.431	7.976	717.8E6	174.8E6	69.143	66.260
8) T	DICHLORPROP	7.790	8.331	1978.8E6	802.6E6	677.360	679.357
9) T	2,4-D	8.010	8.643	2229.4E6	900.0E6	679.918	697.366
10) T	Pentachlo...	8.287	9.143	28502.9E6	17626.5E6	703.762	714.057
11) T	2,4,5-TP ...	8.851	9.521	11286.2E6	6963.5E6	696.854	706.926
12) T	2,4,5-T	9.132	9.925	11535.1E6	6466.4E6	698.455	702.593
13) T	2,4-DB	9.690	10.483	1899.4E6	655.7E6	727.789	660.763
14) T	DINOSEB	10.851	10.857	7812.7E6	4705.5E6	683.147	688.751
15) T	Picloram	10.671	11.890	14263.0E6	9841.6E6	666.903	699.318m
16) T	DCPA	11.152	11.889	13958.3E6	9132.6E6	701.019	675.963m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030190.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:53
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

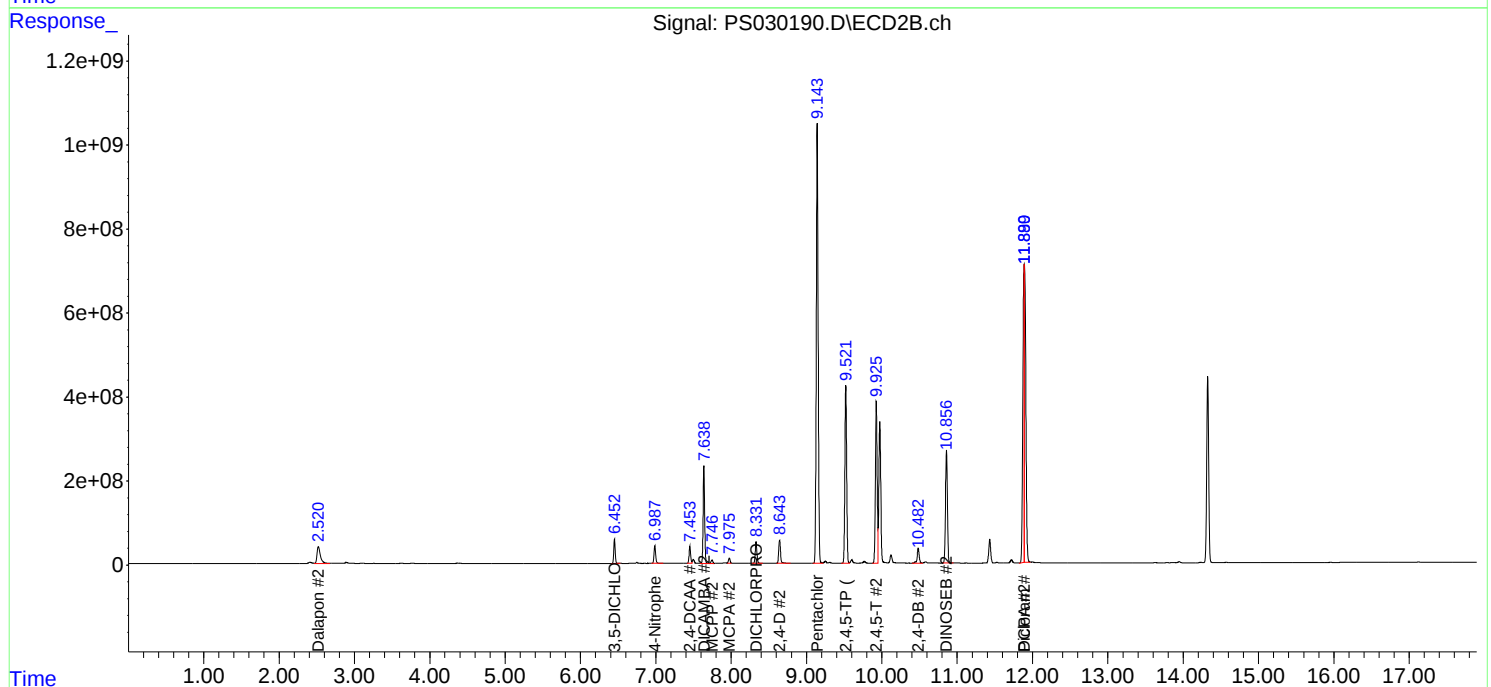
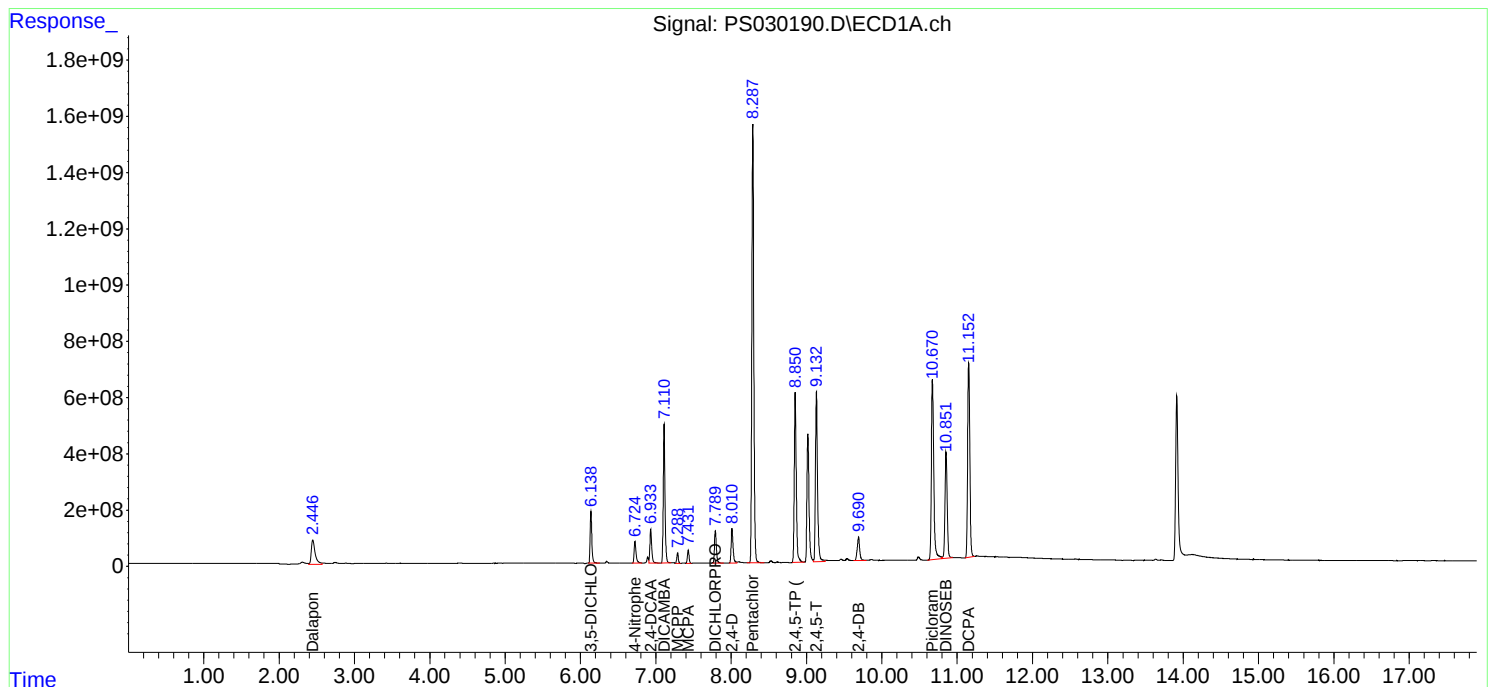
Instrument :
ECD_S
ClientSampleId :
HSTDCCC750

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:03:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial 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





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 16:06 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL03 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030236.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.131	9.033	9.233	707.730	712.500	-0.7
2,4,5-TP(Silvex)	8.849	8.750	8.950	707.610	712.500	-0.7
2,4-D	8.008	7.910	8.110	690.730	705.000	-2.0
2,4-DB	9.689	9.589	9.789	753.460	712.500	5.7
2,4-DCAA	6.932	6.834	7.034	734.390	750.000	-2.1
DICAMBA	7.109	7.010	7.210	700.170	705.000	-0.7
DICHLORPROP	7.789	7.689	7.889	688.270	705.000	-2.4
Dinoseb	10.850	10.751	10.951	681.630	705.000	-3.3



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CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL03 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030236.D Time Analyzed: 16:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.923	9.826	10.026	719.900	712.500	1.0
2,4,5-TP(Silvex)	9.519	9.423	9.623	722.990	712.500	1.5
2,4-D	8.641	8.544	8.744	710.880	705.000	0.8
2,4-DB	10.481	10.385	10.585	666.280	712.500	-6.5
2,4-DCAA	7.451	7.354	7.554	743.230	750.000	-0.9
DICAMBA	7.636	7.539	7.739	718.480	705.000	1.9
DICHLORPROP	8.329	8.232	8.432	689.300	705.000	-2.2
Dinoseb	10.855	10.758	10.958	701.990	705.000	-0.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030236.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 16:06
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.932	7.451	2091.4E6	594.7E6	734.393	743.232
Target Compounds							
1) T	Dalapon	2.446	2.519	3262.5E6	1361.9E6	663.733	670.552
2) T	3,5-DICHL...	6.137	6.451	2843.6E6	782.6E6	681.823	671.244
3) T	4-Nitroph...	6.723	6.986	1400.0E6	649.7E6	677.752	622.335
5) T	DICAMBA	7.109	7.636	8092.2E6	3397.0E6	700.173	718.482
6) T	MCPD	7.288	7.745	549.4E6	129.5E6	75.436	70.384
7) T	MCPA	7.430	7.975	724.1E6	171.7E6	69.758	65.077
8) T	DICHLORPROP	7.789	8.329	2010.7E6	814.4E6	688.272	689.297
9) T	2,4-D	8.008	8.641	2264.9E6	917.4E6	690.733	710.882
10) T	Pentachlo...	8.286	9.141	28886.5E6	18028.4E6	713.233	730.340
11) T	2,4,5-TP ...	8.849	9.519	11460.4E6	7121.8E6	707.607	722.990
12) T	2,4,5-T	9.131	9.923	11688.3E6	6625.7E6	707.730	719.899
13) T	2,4-DB	9.689	10.481	1966.4E6	661.2E6	753.459	666.277
14) T	DINOSEB	10.850	10.855	7795.4E6	4796.0E6	681.631	701.991
15) T	Picloram	10.670	11.890	15214.0E6	10872.0E6	711.368	772.534m
16) T	DCPA	11.151	11.887	13929.4E6	9431.3E6	699.568	698.073m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030236.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 16:06
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

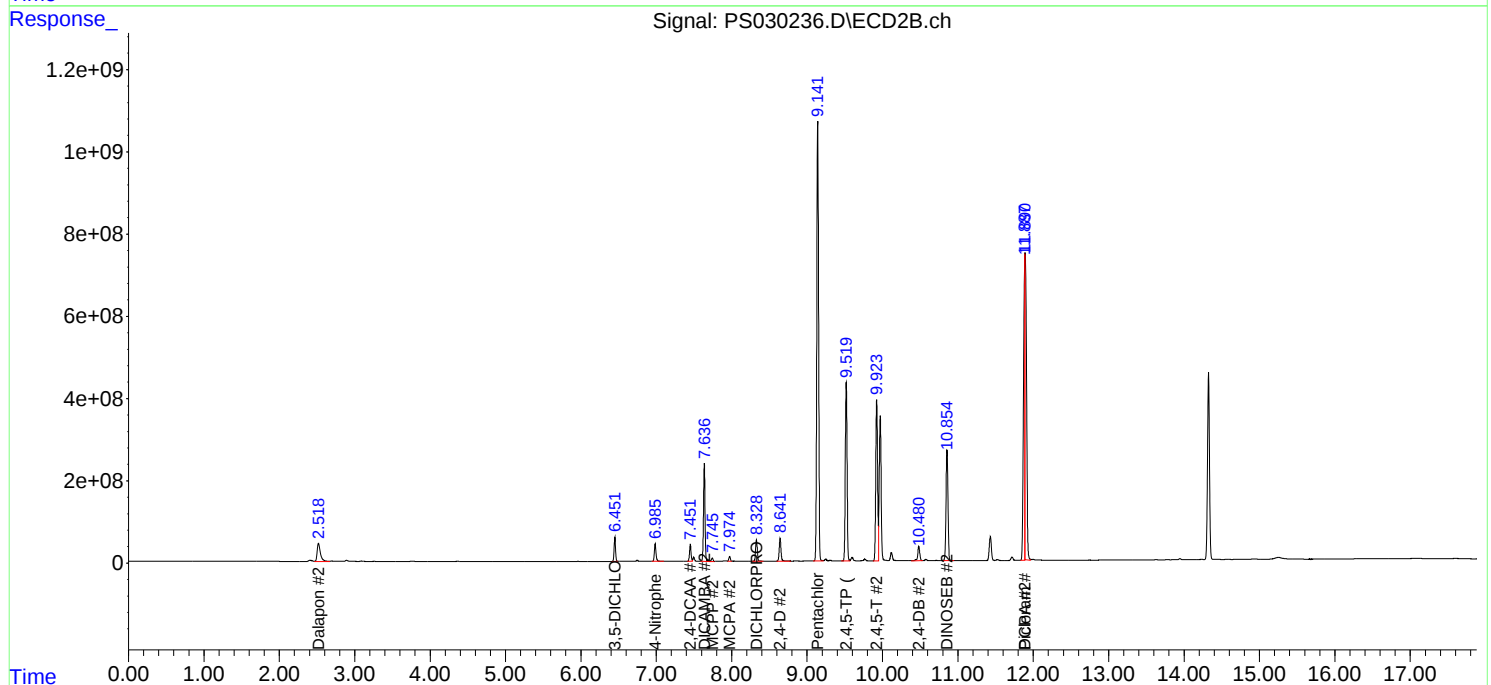
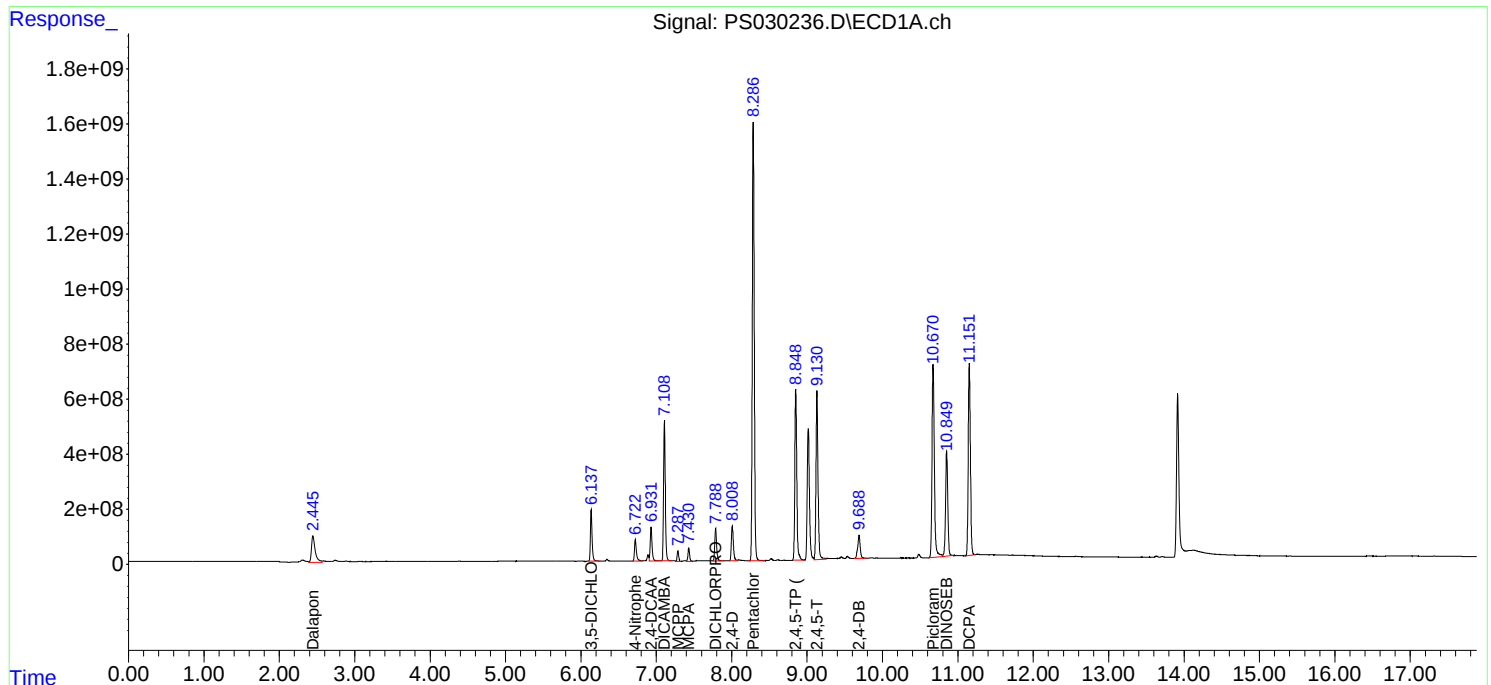
APPROVED

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
DICAMBA	7.11	7.11	7.01	7.21	0.00
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.79	7.79	7.69	7.89	0.00
2,4-D	8.01	8.01	7.91	8.11	0.00
2,4,5-TP(Silvex)	8.85	8.85	8.75	8.95	0.00
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.69	9.69	9.59	9.79	0.00
Dinoseb	10.85	10.85	10.75	10.95	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/15/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:55 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.64	7.64	7.54	7.74	0.00
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.00
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.52	9.52	9.42	9.62	0.00
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.48	10.49	10.39	10.59	0.01
Dinoseb	10.86	10.86	10.76	10.96	0.01



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

CALIBRATION VERIFICATION SUMMARY
Contract: CAMP02
Lab Code: CHEM **Case No.:** Q2010 **SAS No.:** Q2010 **SDG NO.:** Q2010
GC Column: RTX-CLP **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 05/12/2025 05/12/2025
Client Sample No.: CCAL04 **Date Analyzed:** 05/15/2025
Lab Sample No.: HSTDCCC750 **Data File :** PS030248.D **Time Analyzed:** 20:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.131	9.033	9.233	717.030	712.500	0.6
2,4,5-TP(Silvex)	8.849	8.750	8.950	713.490	712.500	0.1
2,4-D	8.009	7.910	8.110	700.350	705.000	-0.7
2,4-DB	9.689	9.589	9.789	764.870	712.500	7.4
2,4-DCAA	6.933	6.834	7.034	740.230	750.000	-1.3
DICAMBA	7.109	7.010	7.210	704.680	705.000	0.0
DICHLORPROP	7.789	7.689	7.889	694.060	705.000	-1.6
Dinoseb	10.849	10.751	10.951	699.880	705.000	-0.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

GC Column: RTX-CLP2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/12/2025 05/12/2025

Client Sample No.: CCAL04 Date Analyzed: 05/15/2025

Lab Sample No.: HSTDCCC750 Data File : PS030248.D Time Analyzed: 20:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.924	9.826	10.026	722.850	712.500	1.5
2,4,5-TP(Silvex)	9.520	9.423	9.623	726.910	712.500	2.0
2,4-D	8.642	8.544	8.744	719.140	705.000	2.0
2,4-DB	10.481	10.385	10.585	644.470	712.500	-9.5
2,4-DCAA	7.452	7.354	7.554	751.940	750.000	0.3
DICAMBA	7.637	7.539	7.739	723.820	705.000	2.7
DICHLORPROP	8.330	8.232	8.432	696.240	705.000	-1.2
Dinoseb	10.855	10.758	10.958	712.020	705.000	1.0

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030248.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:55
 Operator : AR\AJ
 Sample : HSTDCCC750
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:20:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.933	7.452	2108.0E6	601.7E6	740.233	751.944
Target Compounds							
1) T	Dalapon	2.446	2.520	3288.6E6	1364.2E6	669.051	671.681
2) T	3,5-DICHL...	6.137	6.451	2864.4E6	787.2E6	686.826	675.226
3) T	4-Nitroph...	6.723	6.987	1419.1E6	659.1E6	687.027	631.329
5) T	DICAMBA	7.109	7.637	8144.3E6	3422.2E6	704.681	723.824
6) T	MCP	7.288	7.745	513.3E6	131.0E6	70.486	71.190
7) T	MCPA	7.431	7.975	731.8E6	178.0E6	70.495	67.501
8) T	DICHLORPROP	7.789	8.330	2027.6E6	822.6E6	694.058	696.238
9) T	2,4-D	8.009	8.642	2296.4E6	928.0E6	700.346	719.139
10) T	Pentachlo...	8.286	9.142	29157.7E6	18178.2E6	719.930	736.407
11) T	2,4,5-TP ...	8.849	9.520	11555.6E6	7160.3E6	713.486	726.906
12) T	2,4,5-T	9.131	9.924	11841.8E6	6652.8E6	717.027	722.852
13) T	2,4-DB	9.689	10.481	1996.1E6	639.6E6	764.871	644.472
14) T	DINOSEB	10.849	10.855	8004.1E6	4864.5E6	699.878	712.015
15) T	Picloram	10.669	11.892	15349.6E6	9602.5E6	717.708	682.330m
16) T	DCPA	11.151	11.888	14243.4E6	9839.3E6	715.338	728.272m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030248.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:55
Operator : AR\AJ
Sample : HSTDCCC750
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

HSTDCCC750

Manual Integrations

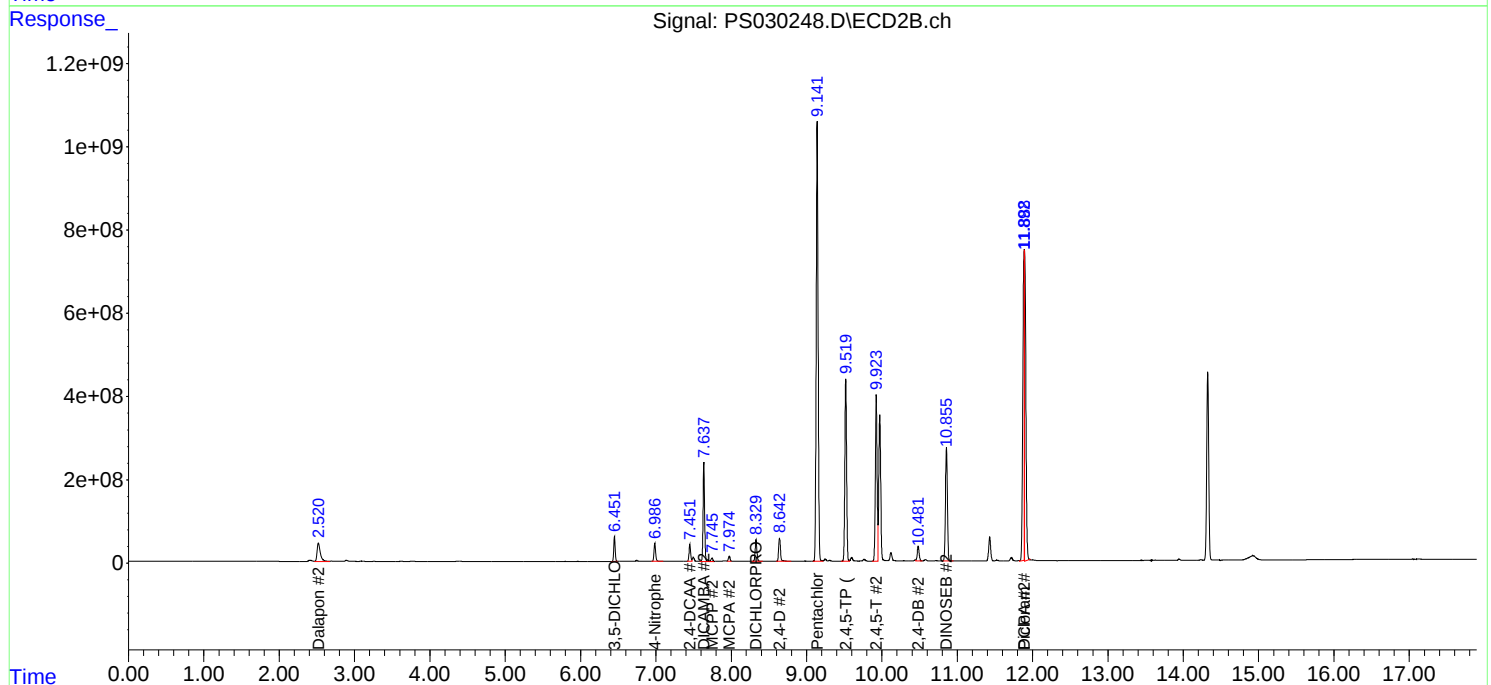
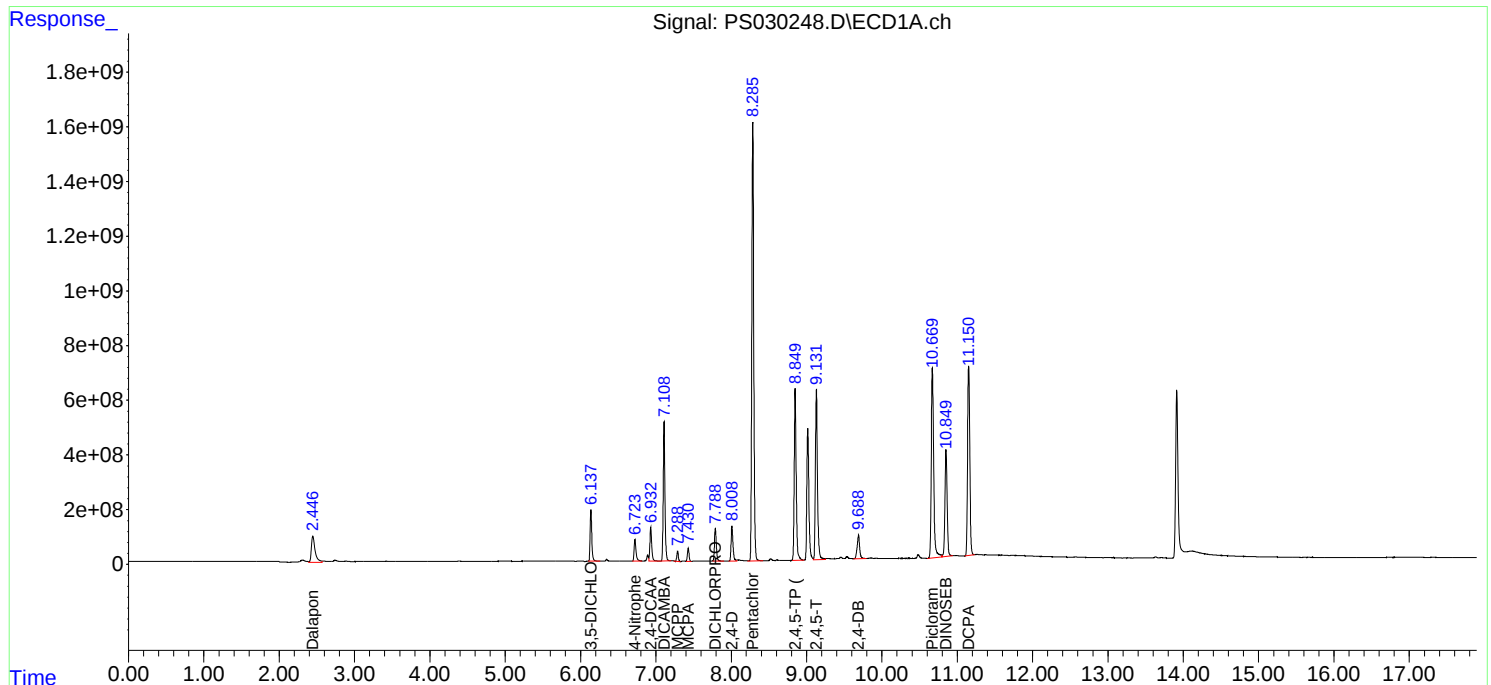
APPROVED

Reviewed By :Abdul Mirza 05/16/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial 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.: Q2010
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP	ID: 0.32 (mm) Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	05/12/2025	12:06	PS030124.D	6.93	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	6.93	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	6.93	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	6.93	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	6.93	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	6.93	0.00
IBLK	IBLK	05/14/2025	13:29	PS030179.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	13:53	PS030180.D	6.93	0.00
OR-636-COMP-11MS	Q2007-07MS	05/14/2025	15:53	PS030185.D	6.93	0.00
OR-636-COMP-11MSD	Q2007-07MSD	05/14/2025	16:17	PS030186.D	6.93	0.00
PB167976BL	PB167976BL	05/14/2025	16:41	PS030187.D	6.93	0.00
PB167976BS	PB167976BS	05/14/2025	17:05	PS030188.D	6.93	0.00
IBLK	IBLK	05/14/2025	17:29	PS030189.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	17:53	PS030190.D	6.93	0.00
IBLK	IBLK	05/15/2025	15:42	PS030235.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	6.93	0.00
TP-10	Q2010-01	05/15/2025	17:18	PS030239.D	6.93	0.00
TP-13	Q2010-02	05/15/2025	17:43	PS030240.D	6.93	0.00
TP-14	Q2010-03	05/15/2025	18:07	PS030241.D	6.93	0.00
TP-17	Q2010-04	05/15/2025	18:31	PS030242.D	6.93	0.00
IBLK	IBLK	05/15/2025	20:31	PS030247.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	6.93	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2010
Project: South River WM Replacement	Instrument ID: ECD_S
GC Column: RTX-CLP2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/12/2025 05/12/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCAA RT #	RT #
IBLK	IBLK	05/12/2025	12:06	PS030124.D	7.45	0.00
HSTDICC200	HSTDICC200	05/12/2025	12:30	PS030125.D	7.45	0.00
HSTDICC500	HSTDICC500	05/12/2025	12:54	PS030126.D	7.45	0.00
HSTDICC750	HSTDICC750	05/12/2025	13:18	PS030127.D	7.45	0.00
HSTDICC1000	HSTDICC1000	05/12/2025	13:42	PS030128.D	7.45	0.00
HSTDICC1500	HSTDICC1500	05/12/2025	14:06	PS030129.D	7.45	0.00
IBLK	IBLK	05/14/2025	13:29	PS030179.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	13:53	PS030180.D	7.45	0.00
OR-636-COMP-11MS	Q2007-07MS	05/14/2025	15:53	PS030185.D	7.45	0.00
OR-636-COMP-11MSD	Q2007-07MSD	05/14/2025	16:17	PS030186.D	7.45	0.00
PB167976BL	PB167976BL	05/14/2025	16:41	PS030187.D	7.45	0.00
PB167976BS	PB167976BS	05/14/2025	17:05	PS030188.D	7.45	0.00
IBLK	IBLK	05/14/2025	17:29	PS030189.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/14/2025	17:53	PS030190.D	7.45	0.00
IBLK	IBLK	05/15/2025	15:42	PS030235.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	16:06	PS030236.D	7.45	0.00
TP-10	Q2010-01	05/15/2025	17:18	PS030239.D	7.45	0.00
TP-13	Q2010-02	05/15/2025	17:43	PS030240.D	7.45	0.00
TP-14	Q2010-03	05/15/2025	18:07	PS030241.D	7.45	0.00
TP-17	Q2010-04	05/15/2025	18:31	PS030242.D	7.45	0.00
IBLK	IBLK	05/15/2025	20:31	PS030247.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/15/2025	20:55	PS030248.D	7.45	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-636-COMP-11MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: Q2007-07MS

Date(s) Analyzed: 05/14/2025 05/14/2025

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		
DICHLORPROP	1	7.79	7.74	7.84	128	8.1
	2	8.33	8.28	8.38	118	
2,4-D	1	8.01	7.96	8.06	133	4.6
	2	8.64	8.59	8.69	127	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	111	5.3
	2	9.52	9.47	9.57	117	
2,4,5-T	1	9.13	9.08	9.18	106	3.7
	2	9.93	9.88	9.98	110	
2,4-DB	1	9.69	9.64	9.74	84.3	13
	2	10.48	10.43	10.53	96.0	
DICAMBA	1	7.11	7.06	7.16	105	2.9
	2	7.64	7.59	7.69	102	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

OR-636-COMP-11MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: Q2007-07MSD

Date(s) Analyzed: 05/14/2025 05/14/2025

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		
DICHLORPROP	1	7.79	7.74	7.84	133	6.2
	2	8.33	8.28	8.38	125	
2,4-D	1	8.01	7.96	8.06	138	5.2
	2	8.64	8.59	8.69	131	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	115	5.9
	2	9.52	9.47	9.57	122	
2,4,5-T	1	9.13	9.08	9.18	110	4.4
	2	9.93	9.88	9.98	115	
2,4-DB	1	9.69	9.64	9.74	84.2	19.1
	2	10.48	10.43	10.53	102	
DICAMBA	1	7.11	7.06	7.16	109	2.8
	2	7.64	7.59	7.69	106	



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167976BL	SDG No.:	Q2010
Lab Sample ID:	PB167976BL	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
PS030187.D	1	05/13/25 10:35	05/14/25 16:41	PB167976

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	475		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\PS051425\
 Data File : PS030187.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 16:41
 Operator : AR\AJ
 Sample : PB167979BL
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167979BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:39:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
4) S 2,4-DCAA	6.933	7.453	1353.7E6	364.0E6	475.359	454.837

Target Compounds

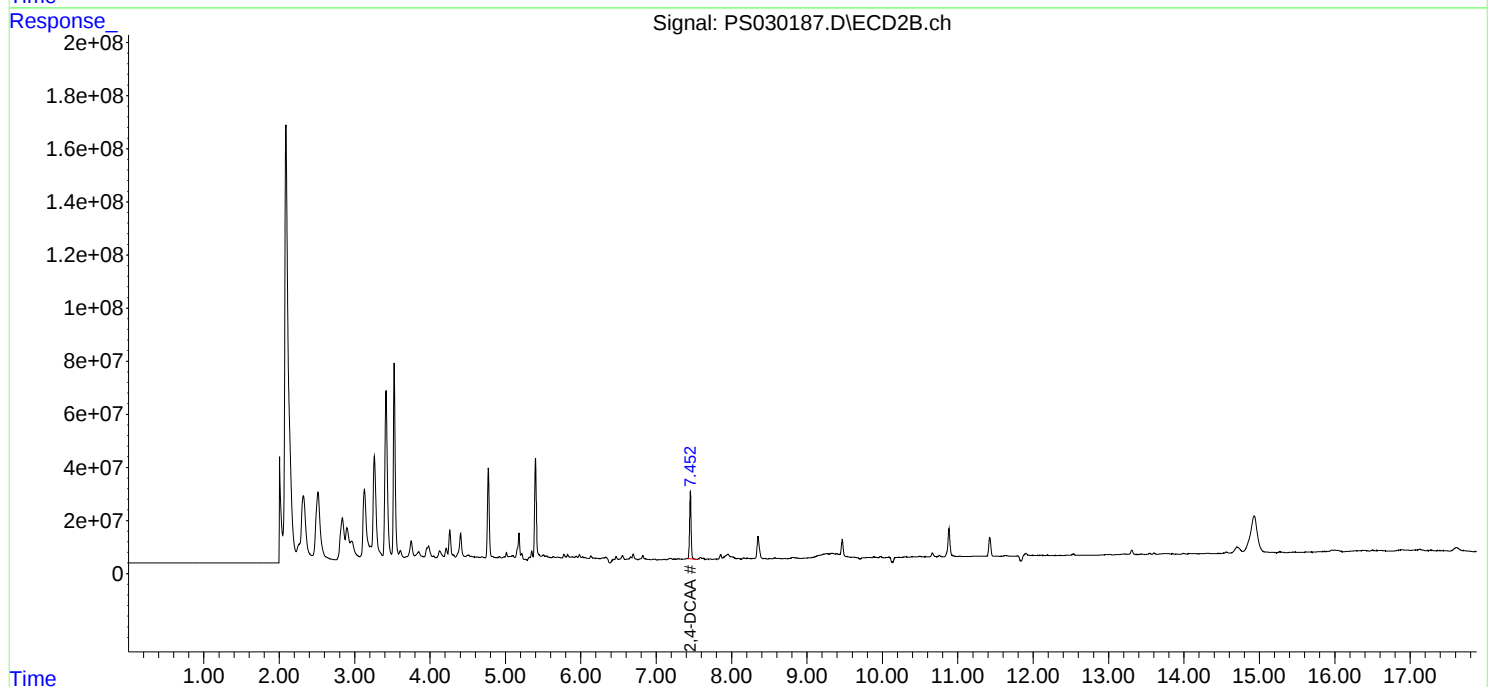
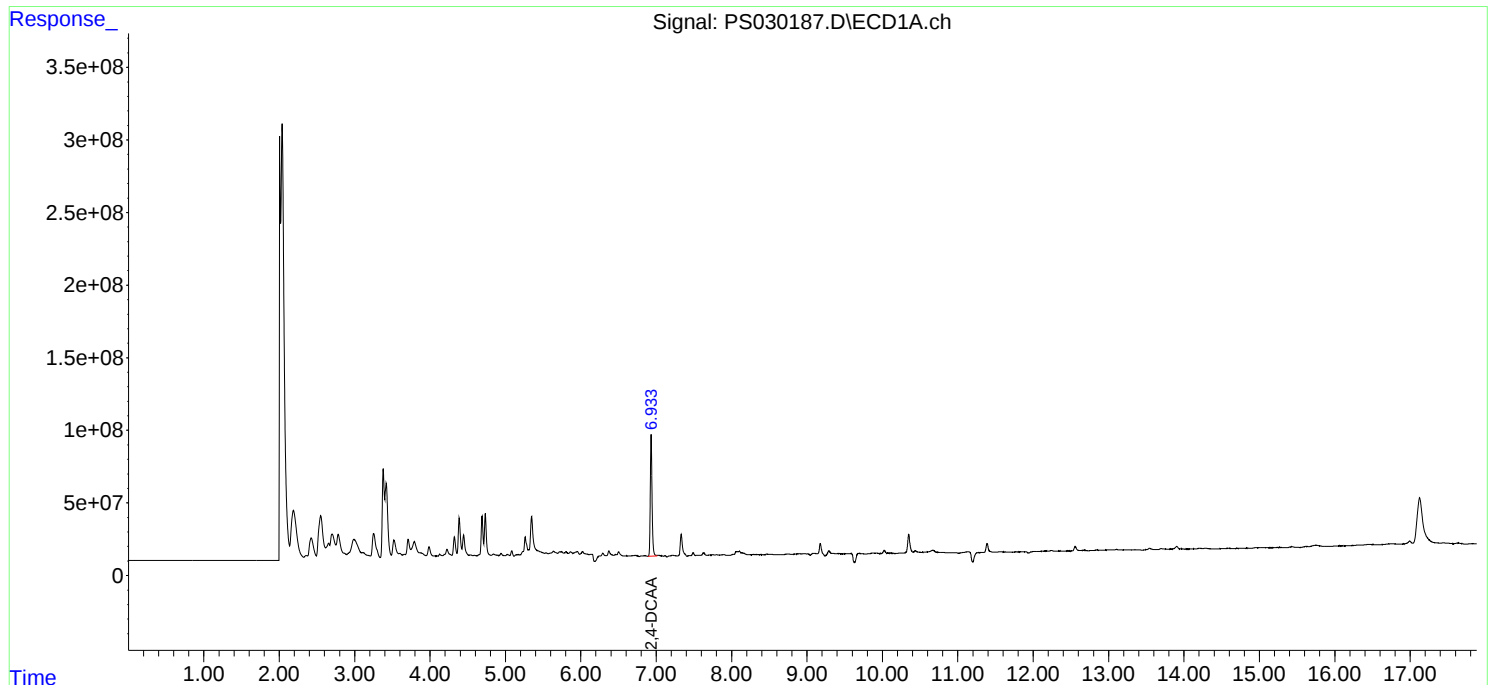
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

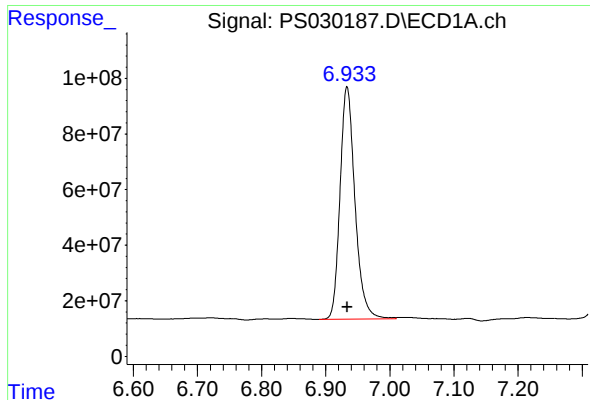
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030187.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:41
Operator : AR\AJ
Sample : PB167979BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB167979BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

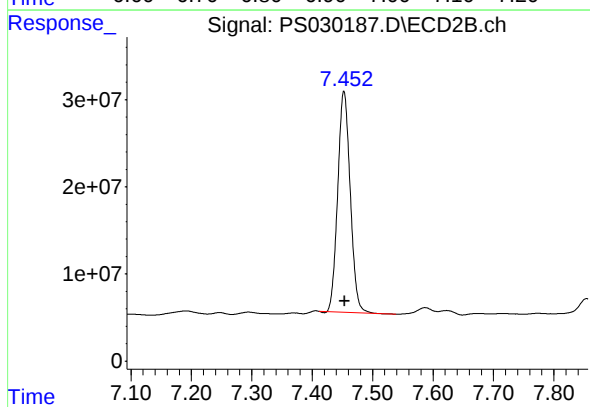




#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1353732683
Conc: 475.36 ng/ml

Instrument :
ECD_S
ClientSampleId :
PB167979BL



#4 2,4-DCAA

R.T.: 7.453 min
Delta R.T.: -0.001 min
Response: 363961807
Conc: 454.84 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/12/25
Project:	South River WM Replacement	Date Received:	05/12/25
Client Sample ID:	PIBLK-PS030124.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030124.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
PS030124.D	1		05/12/25	PS051225

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	419		39 - 175	84%	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\PS051225\
Data File : PS030124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:06
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: May 12 14:30:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial 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	6.934	7.454	1194.2E6	334.3E6	419.337	417.753

Target Compounds

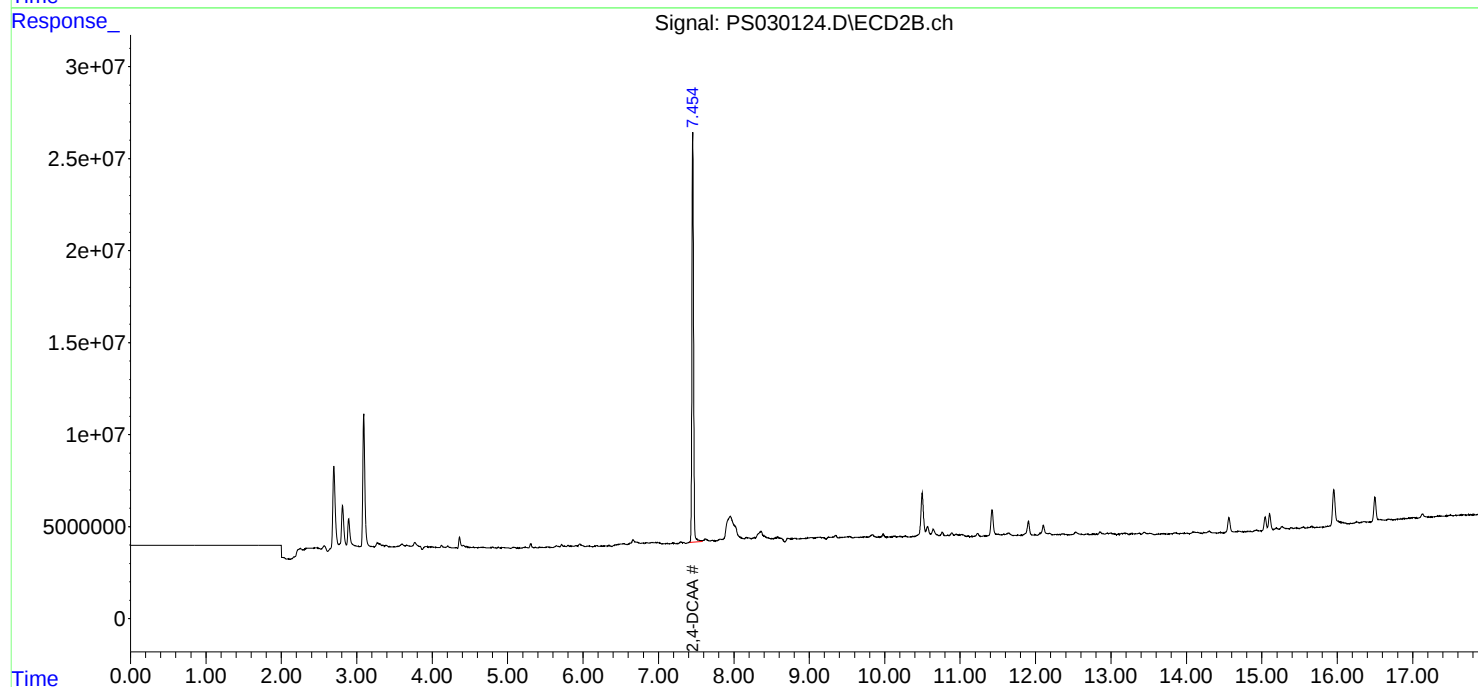
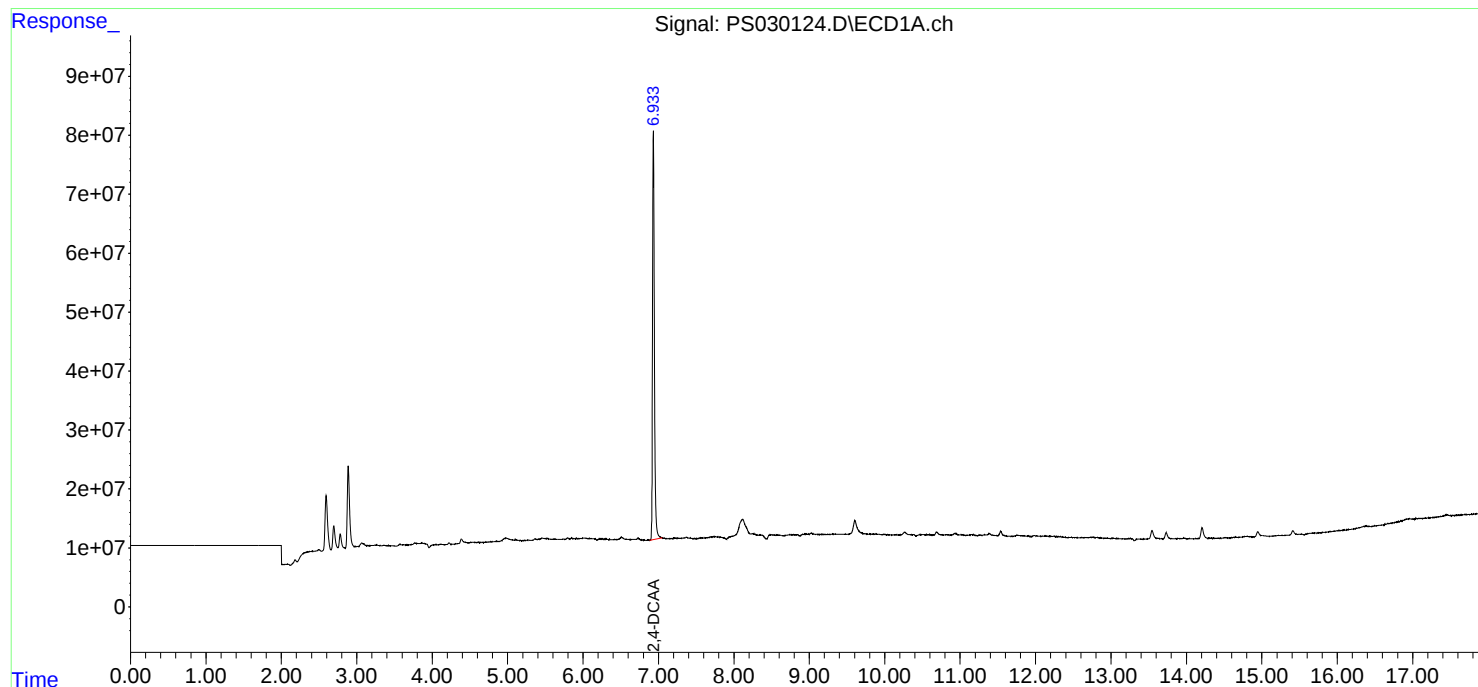
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

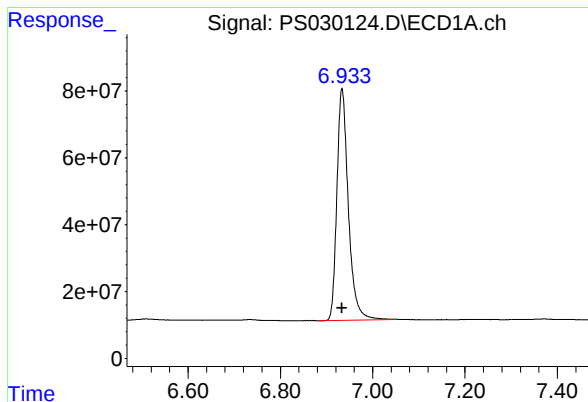
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 May 2025 12:06
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:30:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.934 min

Delta R.T.: 0.000 min

Response: 1194190207

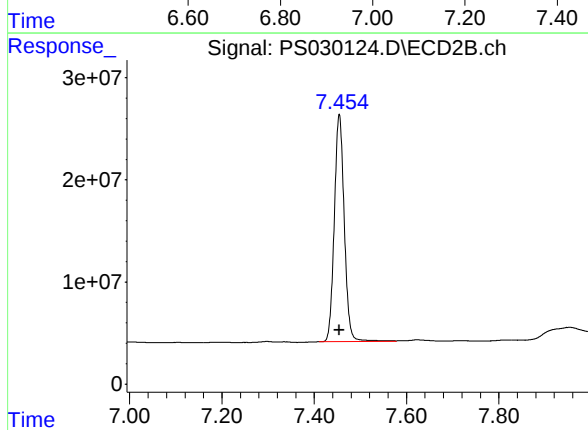
Conc: 419.34 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.454 min

Delta R.T.: 0.000 min

Response: 334287239

Conc: 417.75 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PS030179.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030179.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
PS030179.D	1		05/14/25	Ps051425

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	473		39 - 175	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\PS051425\
Data File : PS030179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 14:02:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

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

4) S	2,4-DCAA	6.933	7.453	1336.2E6	378.8E6	469.197	473.431
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Target Compounds

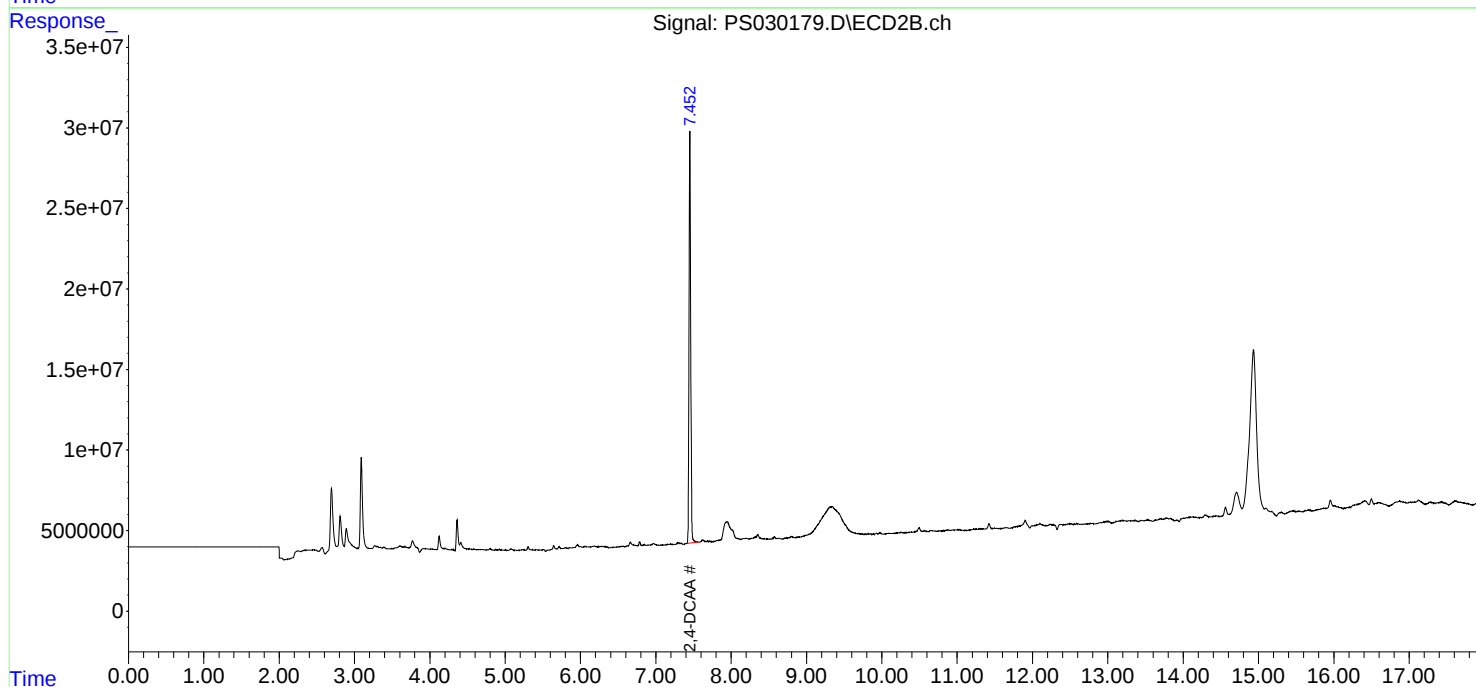
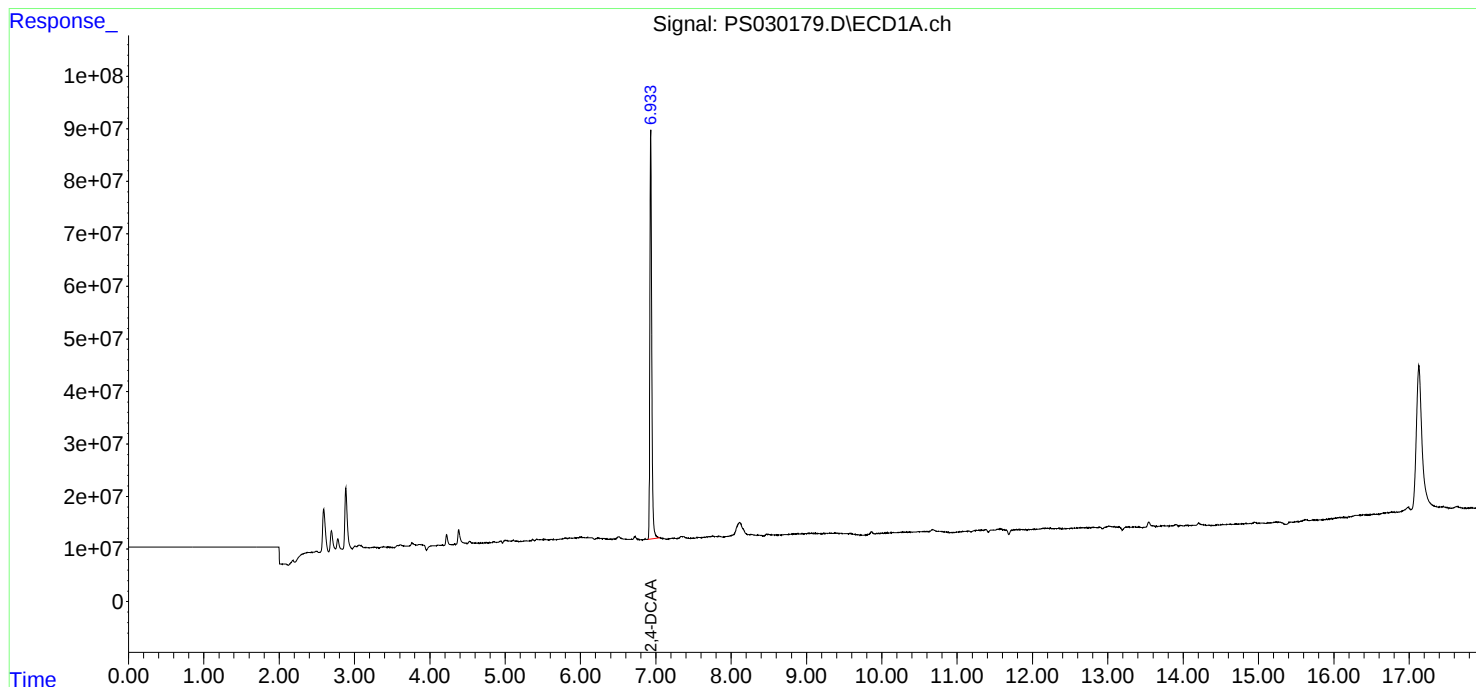
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

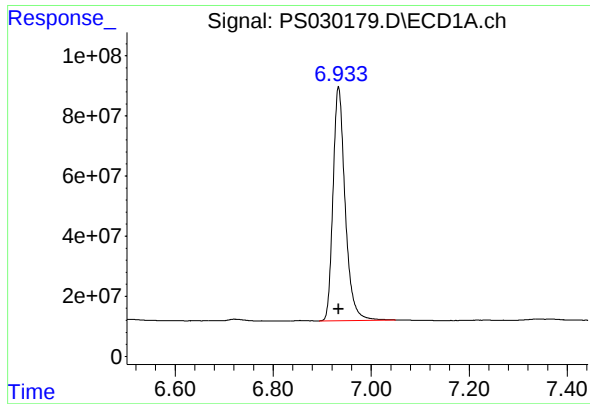
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030179.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 14 14:02:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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

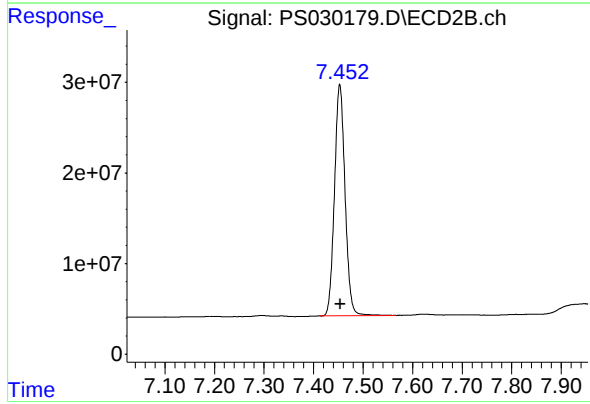




#4 2,4-DCAA

R.T.: 6.933 min
Delta R.T.: 0.000 min
Response: 1336181955
Conc: 469.20 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK



#4 2,4-DCAA

R.T.: 7.453 min
Delta R.T.: 0.000 min
Response: 378841220
Conc: 473.43 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PS030189.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030189.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
PS030189.D	1		05/14/25	PS051425

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	491		39 - 175	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\PS051425\
 Data File : PS030189.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:29
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:39:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

4) S	2,4-DCAA	6.934	7.453	1373.9E6	393.0E6	482.453	491.094
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Target Compounds

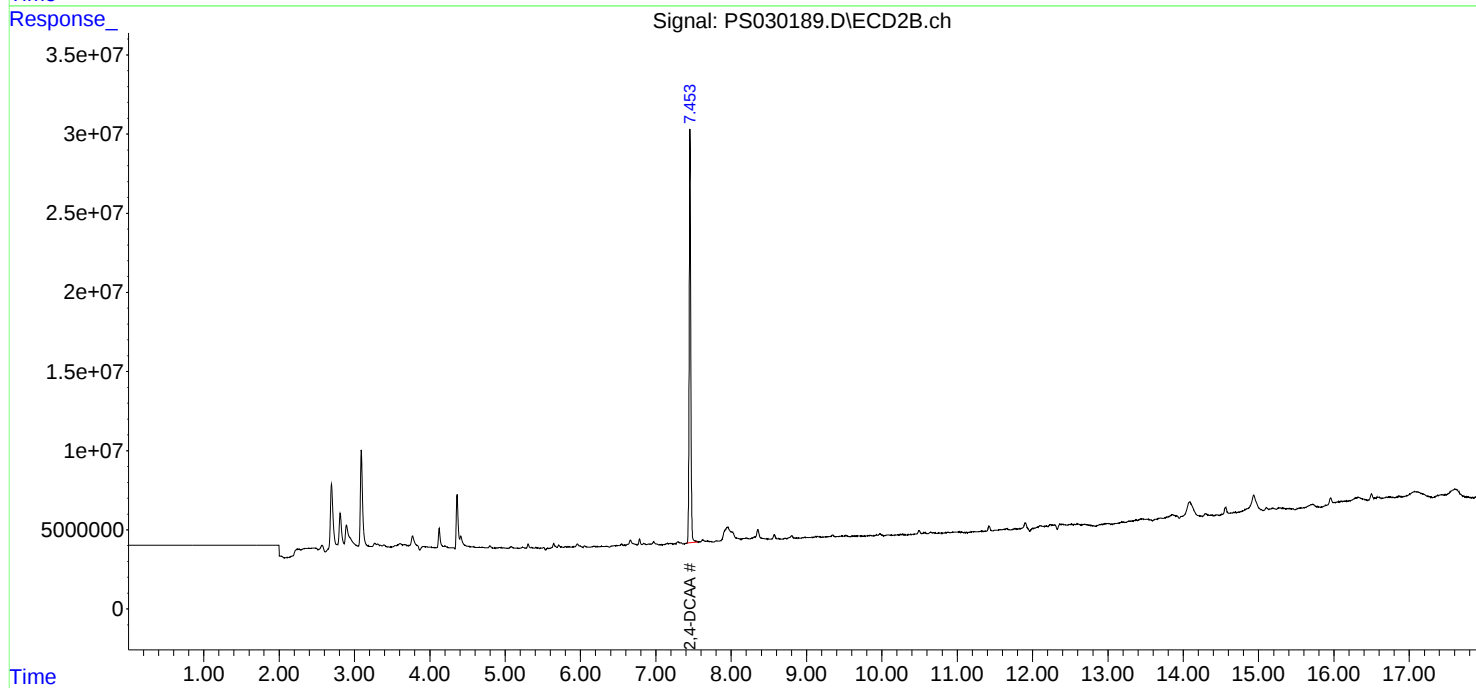
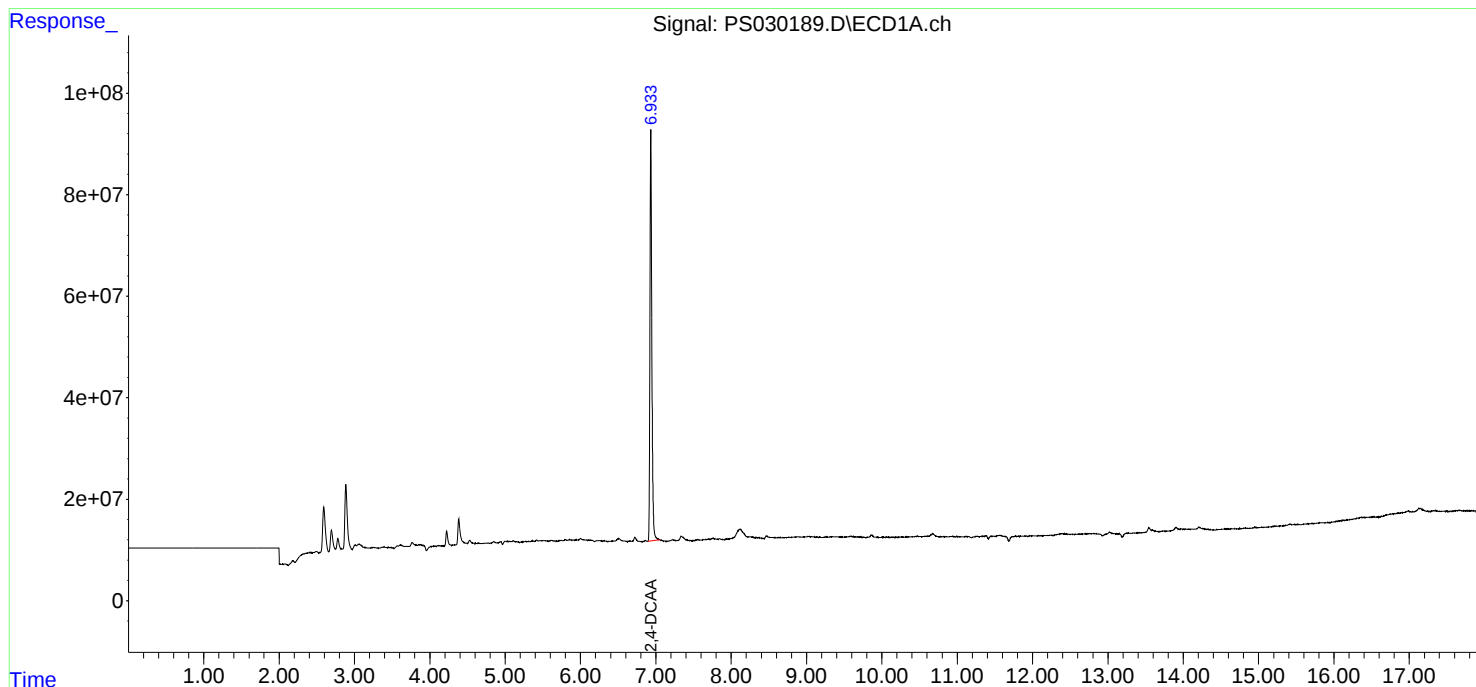
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

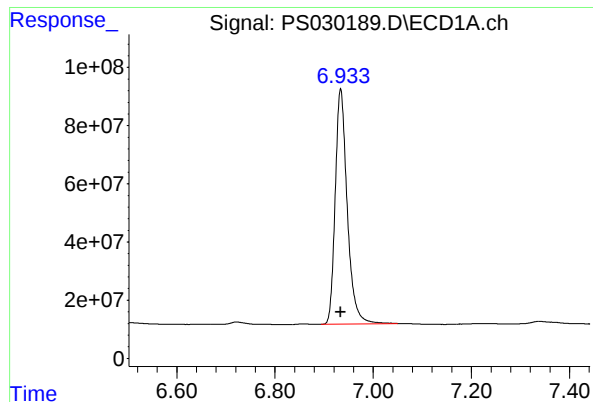
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030189.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:29
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.934 min

Delta R.T.: 0.000 min

Response: 1373933467

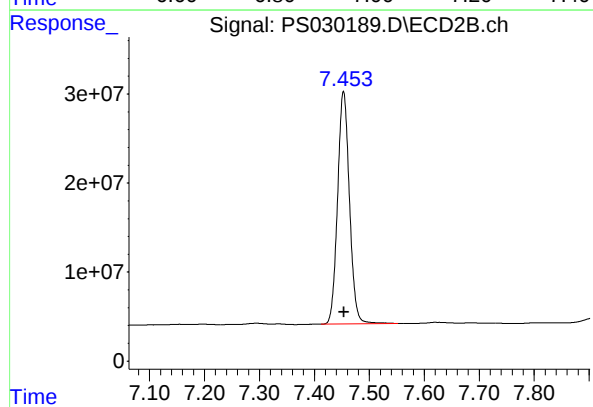
Conc: 482.45 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.453 min

Delta R.T.: 0.000 min

Response: 392974799

Conc: 491.09 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030235.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030235.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
PS030235.D	1		05/15/25	PS051525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
1918-00-9	DICAMBA	0.65	U	0.65	2.00	ug/L
120-36-5	DICHLORPROP	0.76	U	0.76	2.00	ug/L
94-75-7	2,4-D	0.92	U	0.92	2.00	ug/L
93-72-1	2,4,5-TP (Silvex)	0.78	U	0.78	2.00	ug/L
93-76-5	2,4,5-T	0.71	U	0.71	2.00	ug/L
94-82-6	2,4-DB	0.65	U	0.65	2.00	ug/L
88-85-7	DINOSEB	0.89	U	0.89	2.00	ug/L
SURROGATES						
19719-28-9	2,4-DCAA	462		39 - 175	92%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030235.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 15:42
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:19:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

4) S	2,4-DCAA	6.932	7.446	1284.6E6	369.5E6	451.085	461.721m
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Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030235.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 15:42
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

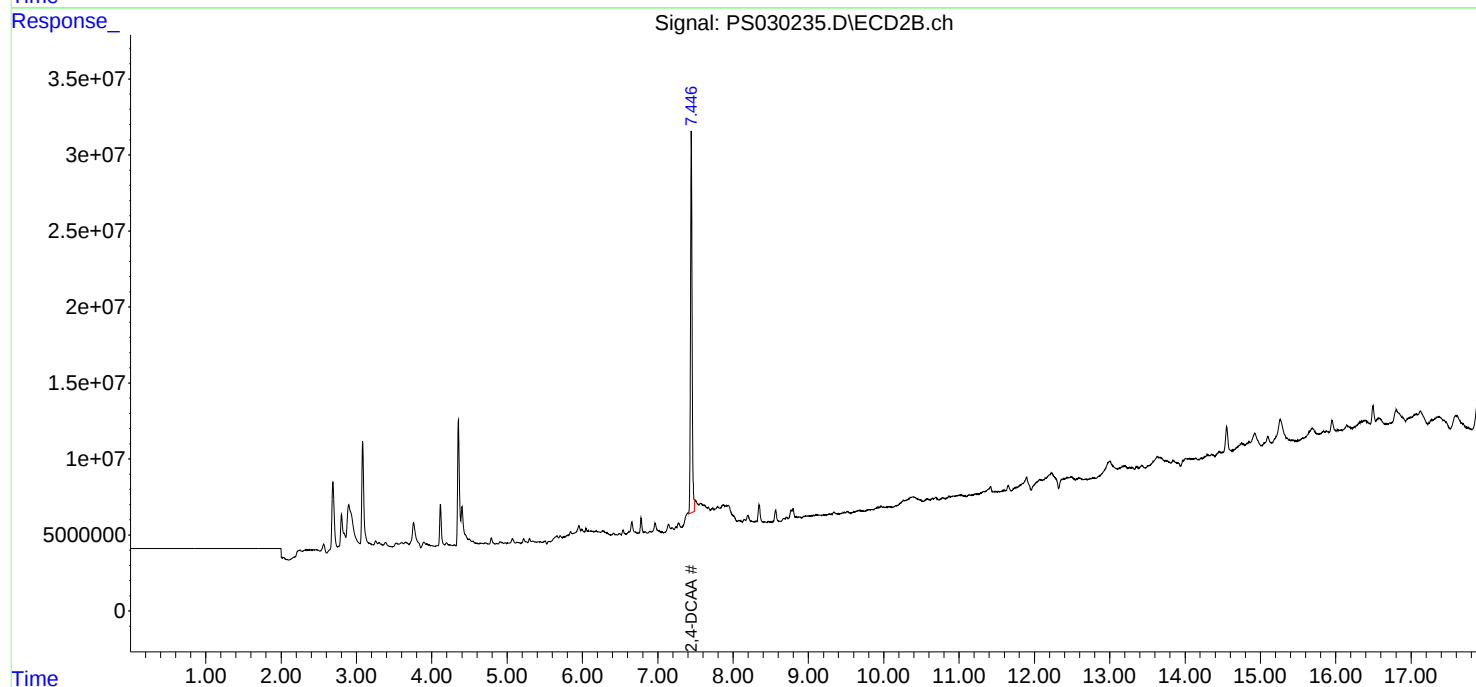
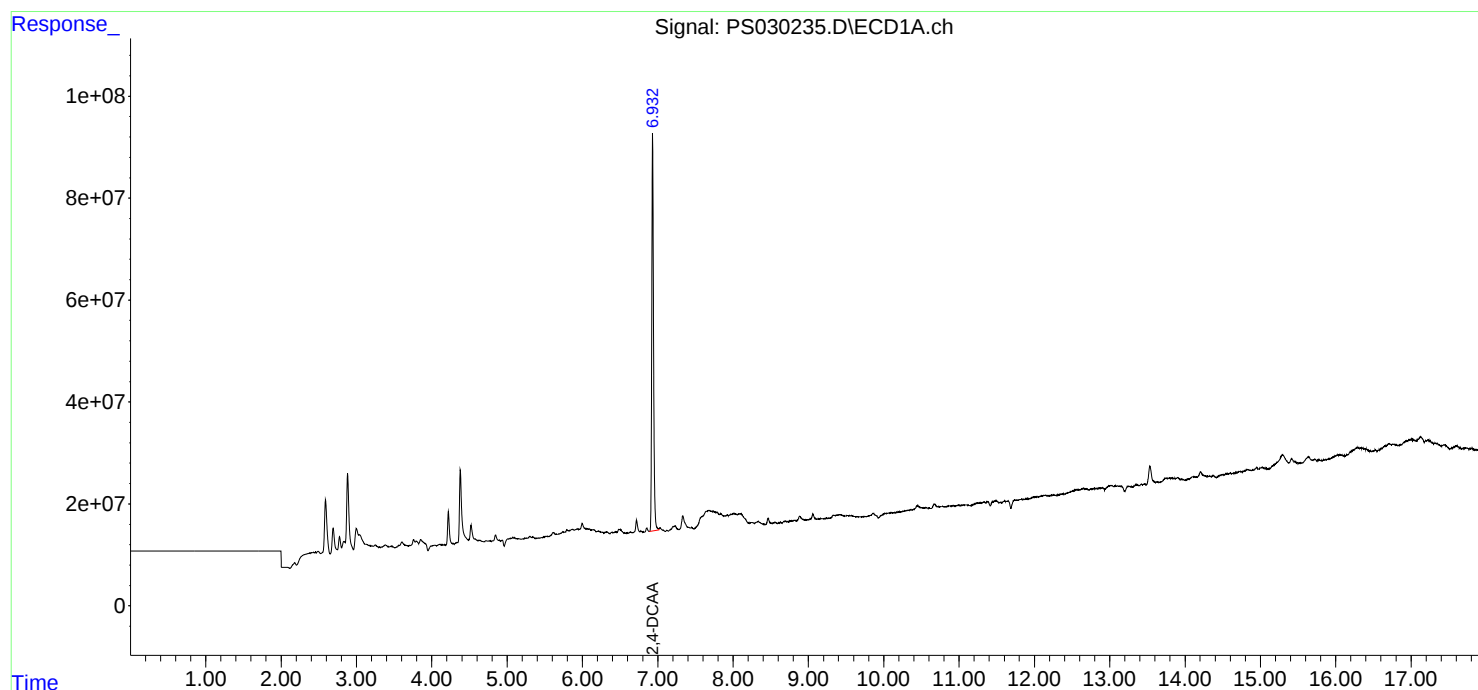
Instrument :
ECD_S
ClientSampleId :
I.BLK

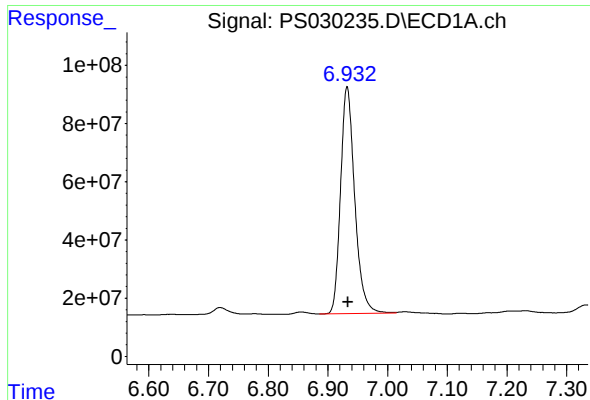
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/16/2025
Supervised By : mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:19:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





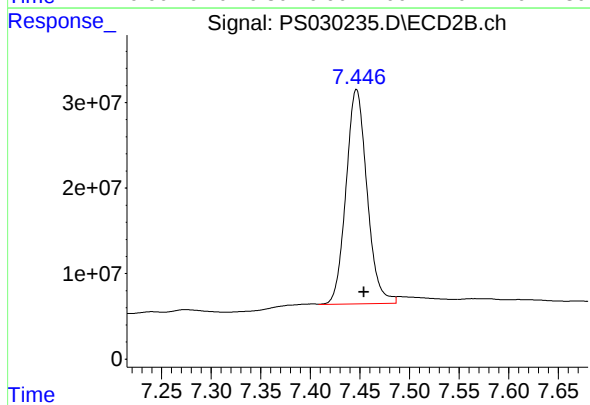
#4 2,4-DCAA

R.T.: 6.932 min
Delta R.T.: -0.001 min
Response: 1284604871
Conc: 451.09 ng/ml

Instrument :
ECD_S
ClientSampleId :
I.BLK

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/16/2025
Supervised By :mohammad ahmed 05/19/2025



#4 2,4-DCAA

R.T.: 7.446 min
Delta R.T.: -0.008 min
Response: 369470923
Conc: 461.72 ng/ml m

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/15/25
Client Sample ID:	PIBLK-PS030247.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PS030247.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
PS030247.D	1		05/15/25	PS051525

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	531		39 - 175	106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
 Data File : PS030247.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 May 2025 20:31
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 16 01:20:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

4) S 2,4-DCAA	6.933	7.452	1477.7E6	425.0E6	518.875	531.165
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Target Compounds

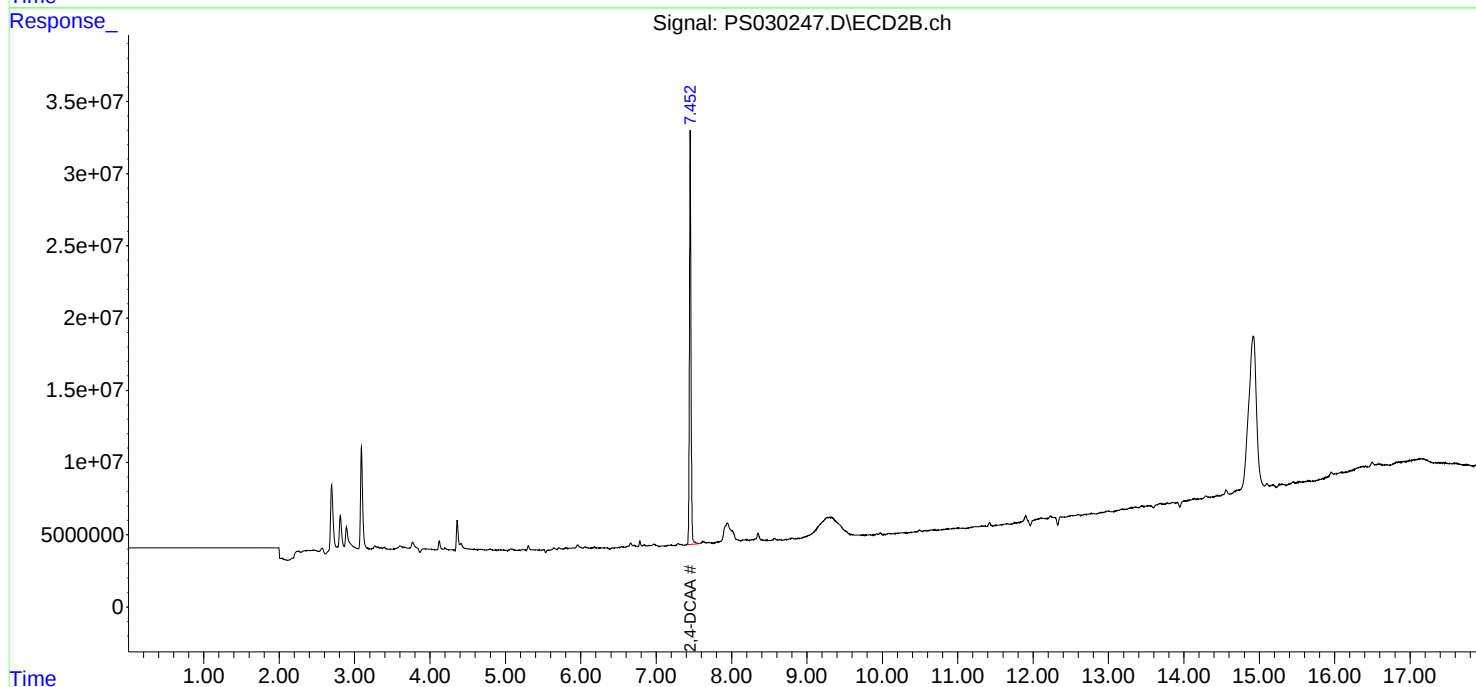
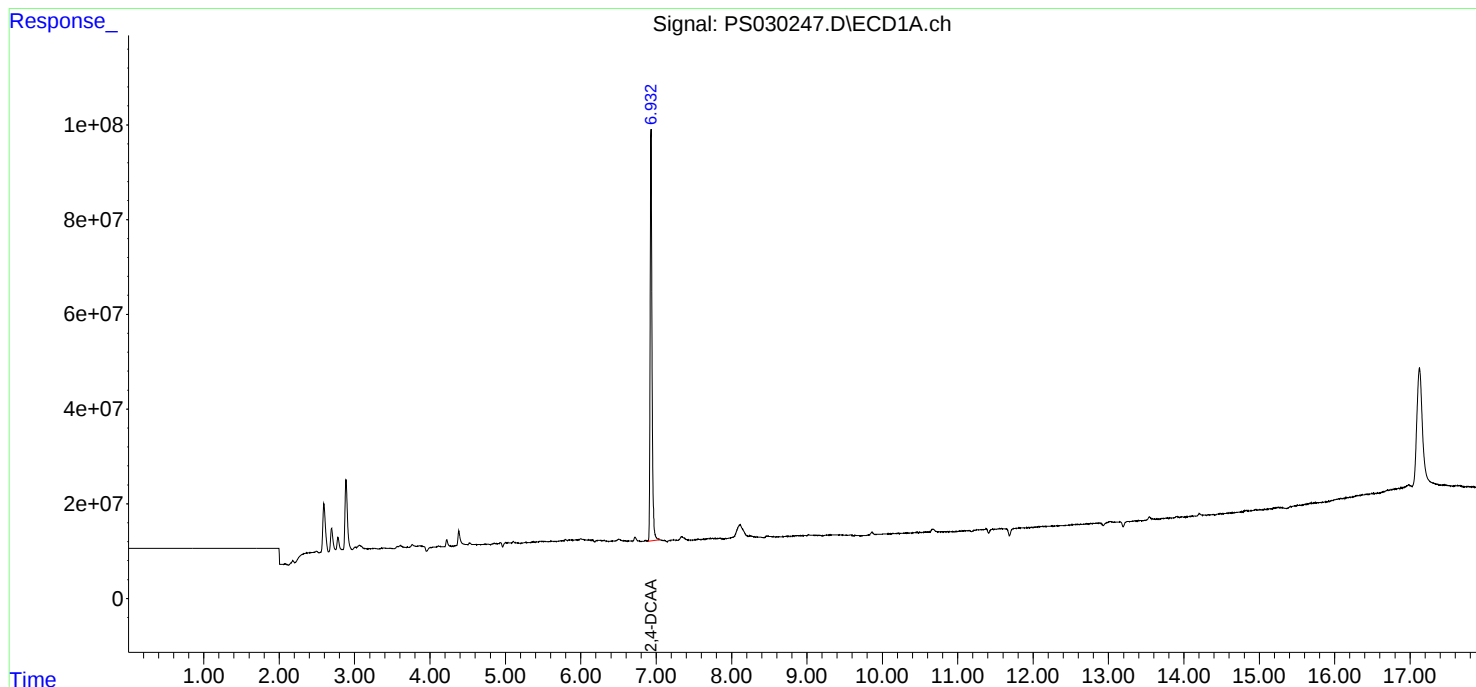
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

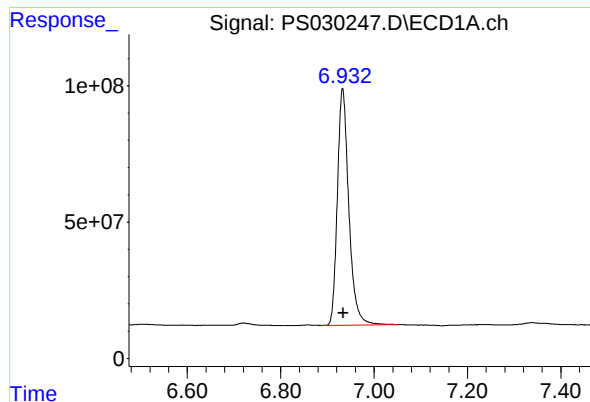
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051525\
Data File : PS030247.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 May 2025 20:31
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 16 01:20:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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





#4 2,4-DCAA

R.T.: 6.933 min

Delta R.T.: 0.000 min

Response: 1477657988

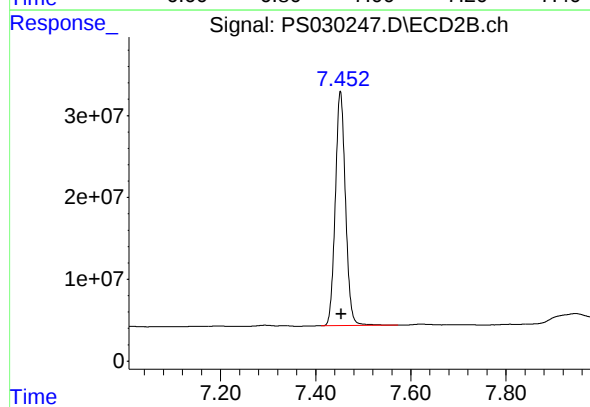
Conc: 518.88 ng/ml

Instrument :

ECD_S

ClientSampleId :

I.BLK



#4 2,4-DCAA

R.T.: 7.452 min

Delta R.T.: -0.002 min

Response: 425040095

Conc: 531.16 ng/ml

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167976BS	SDG No.:	Q2010
Lab Sample ID:	PB167976BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Herbicide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030188.D	1	05/13/25 10:35	05/14/25 17:05	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	7.70	U	7.70	66.9	ug/Kg
120-36-5	DICHLORPROP	12.8	U	12.8	66.9	ug/Kg
94-75-7	2,4-D	9.00	U	9.00	66.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	9.10	U	9.10	66.9	ug/Kg
93-76-5	2,4,5-T	8.70	U	8.70	66.9	ug/Kg
94-82-6	2,4-DB	24.2	U	24.2	66.9	ug/Kg
88-85-7	DINOSEB	10.8	U	10.8	66.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	532		10 - 141	106%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
 Data File : PS030188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 17:05
 Operator : AR\AJ
 Sample : PB167979BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 PB167979BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:39:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.934	7.452	1515.7E6	404.3E6	532.229	505.265m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 17:05
Operator : AR\AJ
Sample : PB167979BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

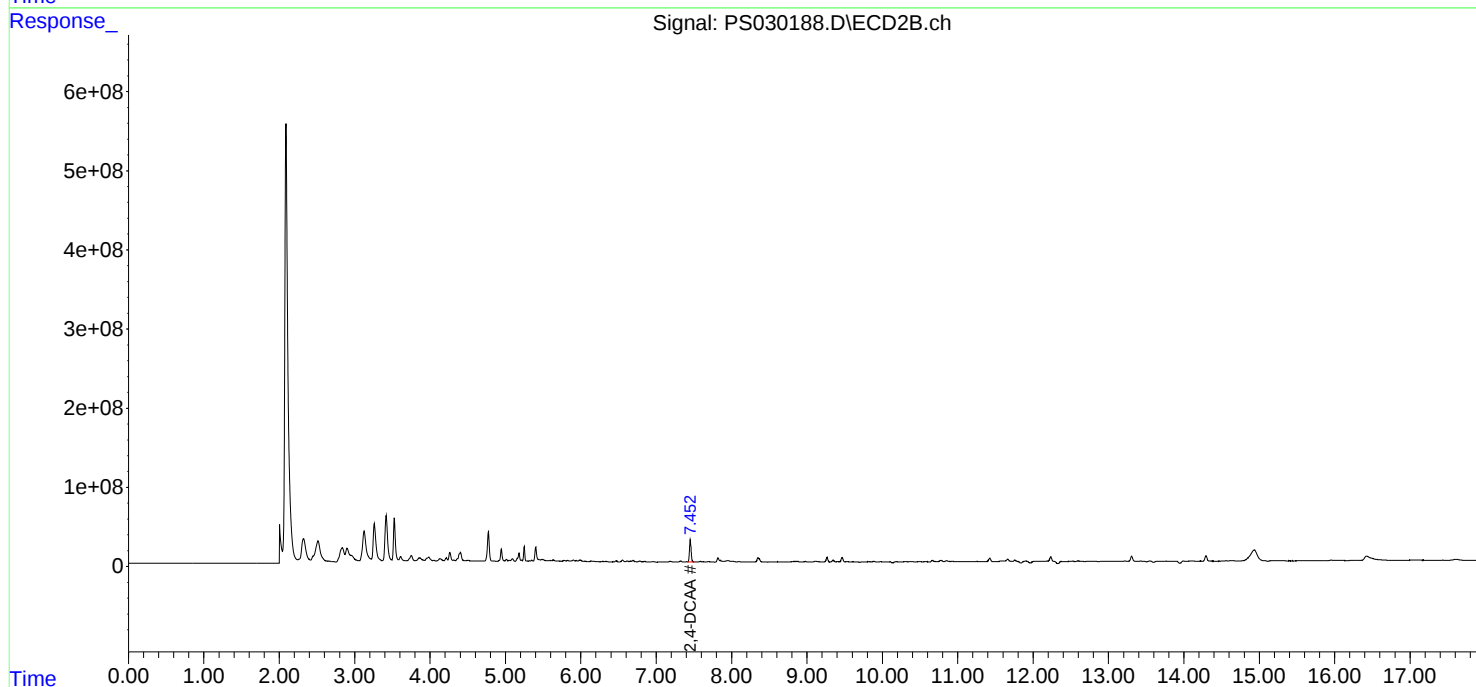
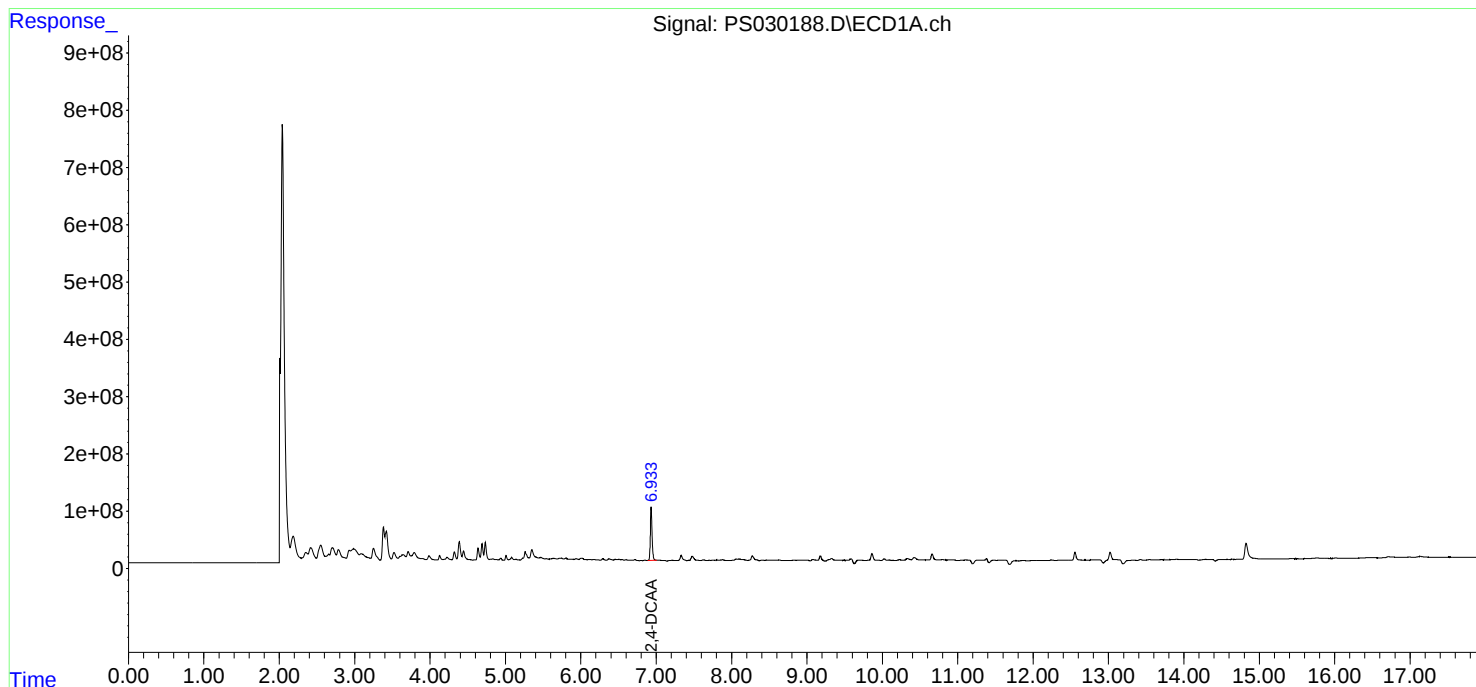
Instrument :
ECD_S
ClientSampleId :
PB167979BS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:39:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	05/09/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	OR-636-COMP-11MS	SDG No.:	Q2010
Lab Sample ID:	Q2007-07MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.8
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
PS030185.D	1	05/13/25 10:35	05/14/25 15:53	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	105		8.80	76.3	ug/Kg
120-36-5	DICHLORPROP	128		14.6	76.3	ug/Kg
94-75-7	2,4-D	133		10.3	76.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	117		10.3	76.3	ug/Kg
93-76-5	2,4,5-T	110		9.90	76.3	ug/Kg
94-82-6	2,4-DB	96.0		27.5	76.3	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	328		10 - 141	66%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
 Data File : PS030185.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:53
 Operator : AR\AJ
 Sample : Q2007-07MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OR-636-COMP-11MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/15/2025
 Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:38:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
4) S	2,4-DCAA	6.933	7.452	933.8E6	235.0E6	327.905	293.627m
Target Compounds							
1) T	Dalapon	2.441	2.517	1878.5E6	834.6E6	382.172	410.920m
2) T	3,5-DICHL...	6.138	6.452	1279.8E6	325.2E6	306.855	278.979m
3) T	4-Nitroph...	6.723	6.986	583.4E6	261.3E6	282.424	250.266m
5) T	DICAMBA	7.109	7.638	3193.8E6	1266.4E6	276.344	267.849m
6) T	MCPD	7.286	7.744	167.7E6	33207076	23.023m	18.050m
7) T	MCPA	7.429	7.973	230.9E6	75630282	22.242	28.673 #
8) T	DICHLORPROP	7.789	8.331	985.9E6	366.7E6	337.495	310.369
9) T	2,4-D	8.009	8.643	1150.1E6	430.8E6	350.762	333.825
10) T	Pentachlo...	8.286	9.143	10571.6E6	6317.0E6	261.021	255.903
11) T	2,4,5-TP ...	8.850	9.522	4757.6E6	3030.0E6	293.750	307.599
12) T	2,4,5-T	9.132	9.925	4617.8E6	2670.1E6	279.607	290.120
13) T	2,4-DB	9.691	10.482	579.7E6	251.0E6	222.132m	252.965m
14) T	DINOSEB	10.851	10.847	243.4E6	120.2E6	21.282	17.601m
15) T	Picloram	10.671	11.890	4725.3E6	3526.7E6	220.944	250.600m
16) T	DCPA	11.152	11.886	5605.1E6	3352.8E6	281.502	248.163m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030185.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:53
Operator : AR\AJ
Sample : Q2007-07MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

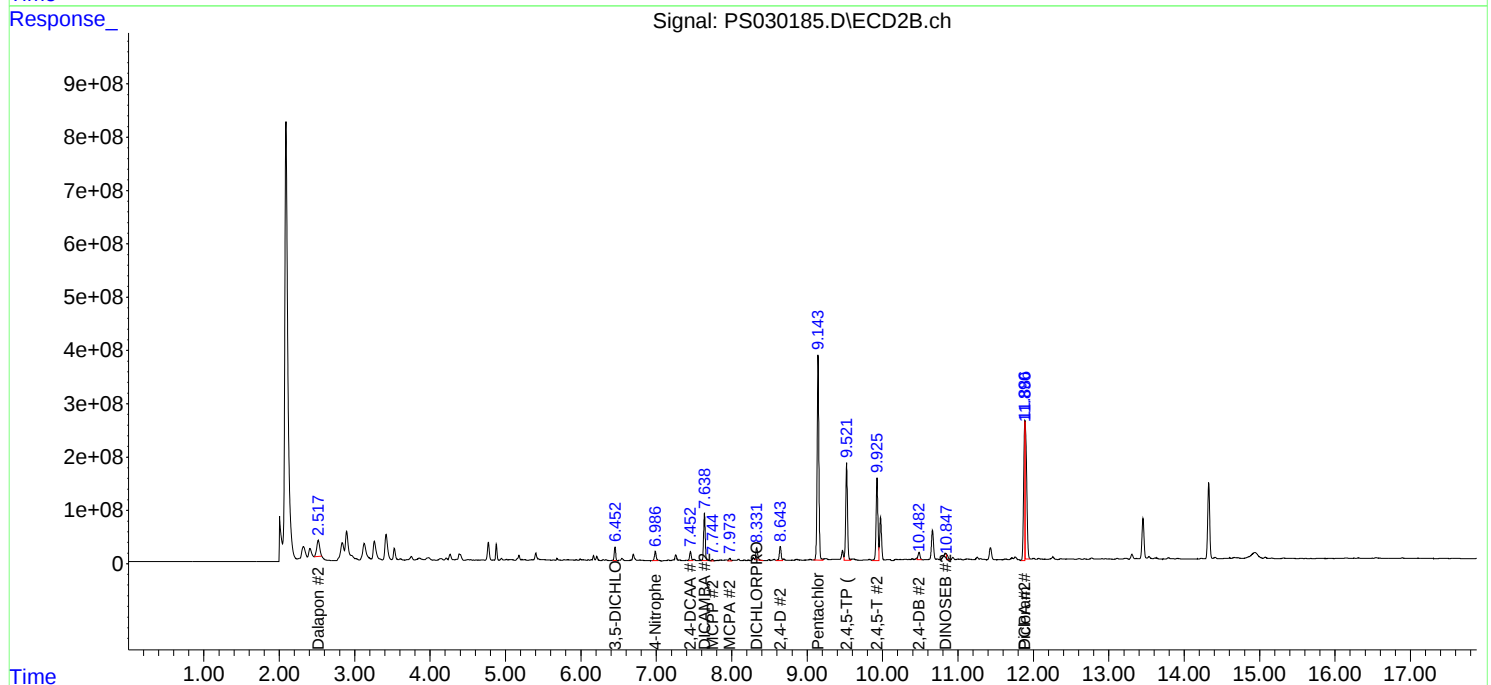
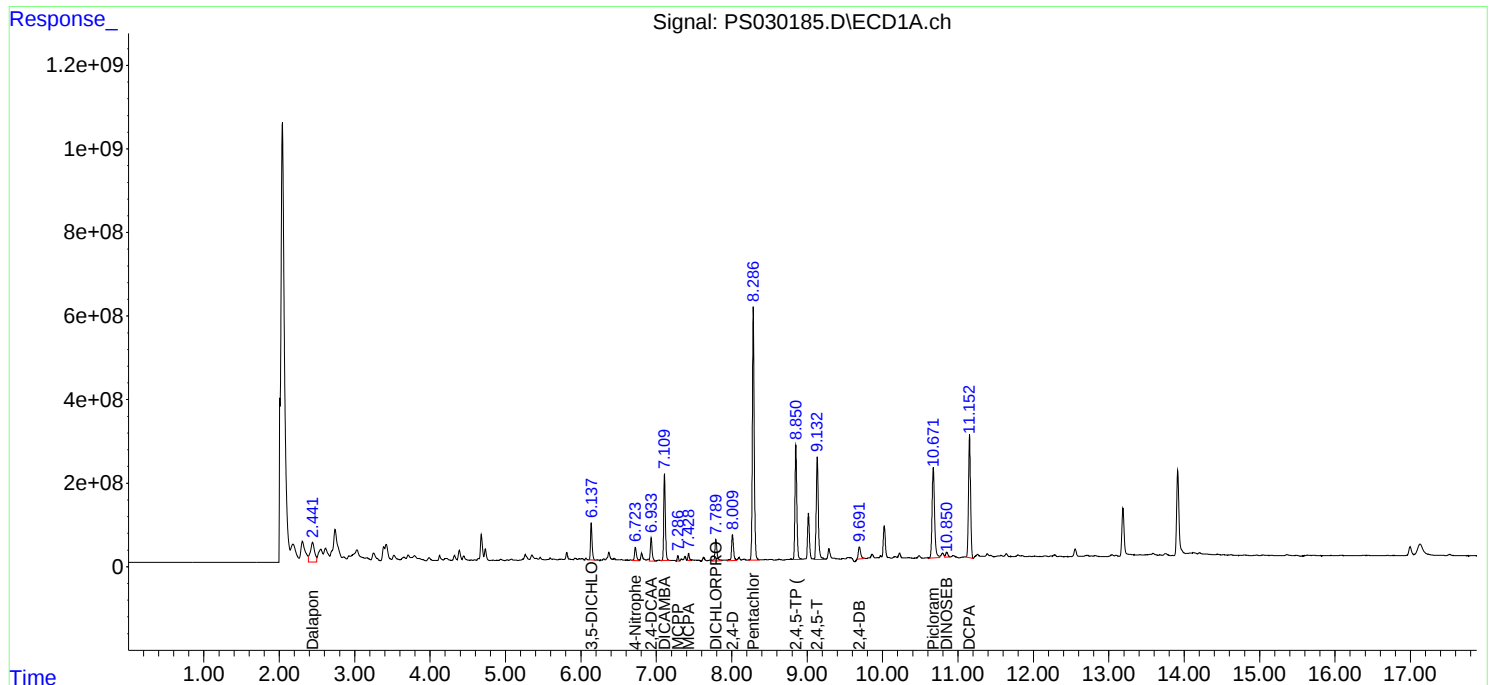
Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MS

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Report of Analysis

Client:	CDM Smith	Date Collected:	05/09/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	OR-636-COMP-11MSD	SDG No.:	Q2010
Lab Sample ID:	Q2007-07MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87.8
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
PS030186.D	1	05/13/25 10:35	05/14/25 16:17	PB167976

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	109		8.80	76.2	ug/Kg
120-36-5	DICHLORPROP	133		14.6	76.2	ug/Kg
94-75-7	2,4-D	138		10.3	76.2	ug/Kg
93-72-1	2,4,5-TP (Silvex)	122		10.3	76.2	ug/Kg
93-76-5	2,4,5-T	115		9.90	76.2	ug/Kg
94-82-6	2,4-DB	102		27.5	76.2	ug/Kg
88-85-7	DINOSEB	12.3	U	12.3	76.2	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	340		10 - 141	68%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
 Data File : PS030186.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 16:17
 Operator : AR\AJ
 Sample : Q2007-07MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 OR-636-COMP-11MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 06:38:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
 Quant Title : 8080.M
 QLast Update : Mon May 12 14:29:24 2025
 Response via : Initial 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	6.933	7.452	967.8E6	247.5E6	339.846	309.265m
Target Compounds							
1) T	Dalapon	2.441	2.517	1951.8E6	906.3E6	397.084	446.211m
2) T	3,5-DICHL...	6.138	6.452	1333.8E6	344.5E6	319.823	295.520m
3) T	4-Nitroph...	6.723	6.987	610.8E6	268.1E6	295.690	256.811m
5) T	DICAMBA	7.109	7.637	3307.9E6	1324.5E6	286.212	280.132m
6) T	MCPD	7.286	7.744	161.8E6	33787313	22.214m	18.365m
7) T	MCPA	7.428	7.973	240.1E6	83346826	23.129	31.598 #
8) T	DICHLORPROP	7.790	8.331	1025.5E6	389.0E6	351.037	329.262
9) T	2,4-D	8.009	8.643	1192.9E6	445.8E6	363.800	345.456
10) T	Pentachlo...	8.286	9.143	10963.7E6	6610.3E6	270.704	267.785
11) T	2,4,5-TP ...	8.850	9.521	4926.9E6	3164.2E6	304.204	321.221
12) T	2,4,5-T	9.132	9.925	4795.6E6	2798.2E6	290.373	304.028
13) T	2,4-DB	9.691	10.482	579.3E6	266.1E6	221.991m	268.141m
14) T	DINOSEB	10.851	10.848	247.8E6	119.3E6	21.672	17.466m
15) T	Picloram	10.671	11.889	4925.5E6	3729.6E6	230.304	265.012m
16) T	DCPA	11.152	11.885	5708.0E6	3671.4E6	286.670	271.741m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051425\
Data File : PS030186.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 16:17
Operator : AR\AJ
Sample : Q2007-07MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

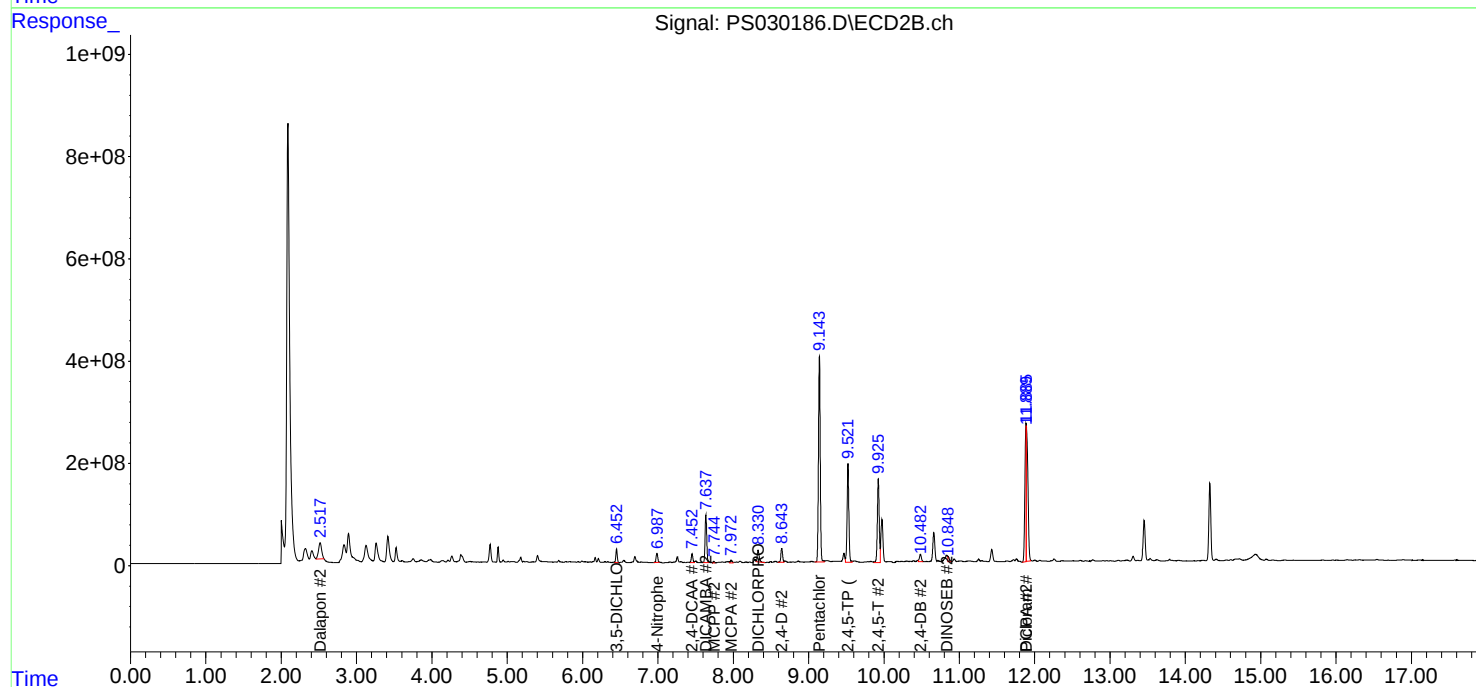
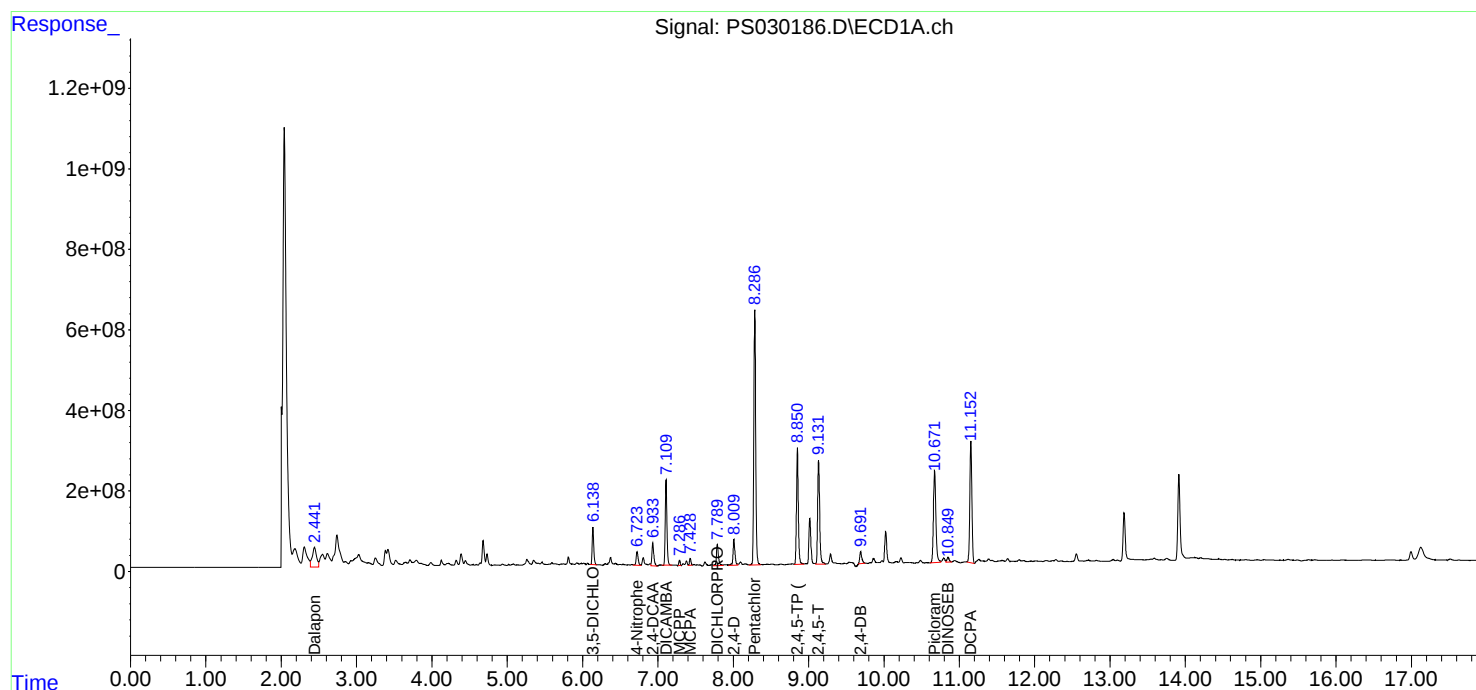
Instrument :
ECD_S
ClientSampleId :
OR-636-COMP-11MSD

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/15/2025
Supervised By : mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 06:38:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_S\Method\PS051225.M
Quant Title : 8080.M
QLast Update : Mon May 12 14:29:24 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PS051225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDICC200	PS030125.D	DCPA #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC200	PS030125.D	Picloram #2	Abdul	5/13/2025 9:33:45 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	DCPA #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC500	PS030126.D	Picloram #2	Abdul	5/13/2025 9:33:50 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	DCPA #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC750	PS030127.D	Picloram #2	Abdul	5/13/2025 9:33:54 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	DCPA #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1000	PS030128.D	Picloram #2	Abdul	5/13/2025 9:33:58 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	DCPA #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICC1500	PS030129.D	Picloram #2	Abdul	5/13/2025 9:34:03 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	DCPA #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDICV750	PS030130.D	Picloram #2	Abdul	5/13/2025 9:34:08 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030132.D	DCPA #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030132.D	Picloram #2	Abdul	5/13/2025 9:34:12 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	DCPA #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030138.D	Picloram #2	Abdul	5/13/2025 9:34:34 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	DCPA #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software
HSTDCCC750	PS030146.D	Picloram #2	Abdul	5/13/2025 9:35:02 AM	mohammad	5/14/2025 5:13:40	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030168.D	2,4-DB #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030168.D	DCPA #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030168.D	Picloram #2	Abdul	5/15/2025 9:30:45 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030180.D	DCPA #2	Abdul	5/15/2025 7:47:51 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030180.D	Picloram #2	Abdul	5/15/2025 7:47:51 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DB	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DB #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	2,4-DCAA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	4-Nitrophenol #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	Dalapon #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	DCPA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	DICAMBA #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2007-07MS	PS030185.D	DINOSEB #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	MCPD	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	MCPD #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MS	PS030185.D	Picloram #2	Abdul	5/15/2025 9:31:32 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DB	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DB #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	2,4-DCAA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	3,5-DICHLOROBENZOIC ACID #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	4-Nitrophenol #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	Dalapon #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DCCA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DICAMBA #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	DINOSEB #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051425	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2007-07MSD	PS030186.D	MCPP	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	MCPP #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
Q2007-07MSD	PS030186.D	Picloram #2	Abdul	5/15/2025 9:31:35 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030190.D	DCPA #2	Abdul	5/15/2025 9:31:42 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030190.D	Picloram #2	Abdul	5/15/2025 9:31:42 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030202.D	DCPA #2	Abdul	5/15/2025 9:32:02 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030202.D	Picloram #2	Abdul	5/15/2025 9:32:02 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030214.D	DCPA #2	Abdul	5/15/2025 9:32:34 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030214.D	Picloram #2	Abdul	5/15/2025 9:32:34 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030221.D	DCPA #2	Abdul	5/15/2025 9:32:57 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software
HSTDCCC750	PS030221.D	Picloram #2	Abdul	5/15/2025 9:32:57 AM	mohammad	5/16/2025 1:55:54	Peak Integrated by Software

Manual Integration Report

Sequence:	PS051525	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030224.D	DCPA #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030224.D	Picloram #2	Abdul	5/16/2025 10:03:21 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
I.BLK	PS030235.D	2,4-DCAA #2	Abdul	5/16/2025 10:03:48 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030236.D	DCPA #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030236.D	Picloram #2	Abdul	5/16/2025 10:03:52 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
Q2010-01	PS030239.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:03 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
Q2010-02	PS030240.D	2,4-DCAA	Abdul	5/16/2025 10:04:07 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
Q2010-02	PS030240.D	2,4-DCAA #2	Abdul	5/16/2025 10:04:07 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030248.D	DCPA #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030248.D	Picloram #2	Abdul	5/16/2025 10:04:22 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030256.D	DCPA #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software
HSTDCCC750	PS030256.D	Picloram #2	Abdul	5/16/2025 10:04:36 AM	mohammad	5/19/2025 2:37:00	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PS051525

Instrument

ECD_s

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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	PS030123.D	12 May 2025 11:42	AR\AJ	Ok
2	I.BLK	PS030124.D	12 May 2025 12:06	AR\AJ	Ok
3	HSTDICC200	PS030125.D	12 May 2025 12:30	AR\AJ	Ok,M
4	HSTDICC500	PS030126.D	12 May 2025 12:54	AR\AJ	Ok,M
5	HSTDICC750	PS030127.D	12 May 2025 13:18	AR\AJ	Ok,M
6	HSTDICC1000	PS030128.D	12 May 2025 13:42	AR\AJ	Ok,M
7	HSTDICC1500	PS030129.D	12 May 2025 14:06	AR\AJ	Ok,M
8	HSTDICV750	PS030130.D	12 May 2025 14:30	AR\AJ	Ok,M
9	I.BLK	PS030131.D	12 May 2025 14:54	AR\AJ	Ok
10	HSTDCCC750	PS030132.D	12 May 2025 15:18	AR\AJ	Ok,M
11	Q1972-01	PS030133.D	12 May 2025 15:42	AR\AJ	ReRun
12	Q1972-01RE	PS030134.D	12 May 2025 16:58	AR\AJ	Confirms
13	Q1972-05	PS030135.D	12 May 2025 17:46	AR\AJ	Ok,M
14	Q1972-05RE	PS030136.D	12 May 2025 18:10	AR\AJ	Not Ok
15	I.BLK	PS030137.D	12 May 2025 18:34	AR\AJ	Ok
16	HSTDCCC750	PS030138.D	12 May 2025 18:58	AR\AJ	Ok,M
17	PB167968BL	PS030139.D	12 May 2025 19:46	AR\AJ	Ok,M
18	PB167968BS	PS030140.D	12 May 2025 20:10	AR\AJ	Ok,M
19	PB167851TB	PS030141.D	12 May 2025 20:34	AR\AJ	Ok
20	Q1956-05	PS030142.D	12 May 2025 20:59	AR\AJ	Ok,M
21	Q1956-05MS	PS030143.D	12 May 2025 21:23	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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	Q1956-05MSD	PS030144.D	12 May 2025 21:47	AR\AJ	Ok,M
23	I.BLK	PS030145.D	12 May 2025 22:11	AR\AJ	Ok
24	HSTDCCC750	PS030146.D	12 May 2025 22:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 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	PS030166.D	14 May 2025 08:16	AR\AJ	Ok
2	I.BLK	PS030167.D	14 May 2025 08:40	AR\AJ	Ok
3	HSTDCCC750	PS030168.D	14 May 2025 09:04	AR\AJ	Ok,M
4	Q2007-06RE	PS030169.D	14 May 2025 09:28	AR\AJ	Confirms
5	Q2007-12RE	PS030170.D	14 May 2025 09:52	AR\AJ	Confirms
6	Q2007-18RE	PS030171.D	14 May 2025 10:16	AR\AJ	Confirms
7	Q2007-24RE	PS030172.D	14 May 2025 10:40	AR\AJ	Confirms
8	Q2007-30RE	PS030173.D	14 May 2025 11:04	AR\AJ	Confirms
9	Q2007-36RE	PS030174.D	14 May 2025 11:28	AR\AJ	Confirms
10	Q1968-01	PS030175.D	14 May 2025 11:53	AR\AJ	Ok,M
11	Q1968-05	PS030176.D	14 May 2025 12:17	AR\AJ	Ok,M
12	Q2007-01	PS030177.D	14 May 2025 12:41	AR\AJ	Ok
13	Q2007-07	PS030178.D	14 May 2025 13:05	AR\AJ	Ok,M
14	I.BLK	PS030179.D	14 May 2025 13:29	AR\AJ	Ok
15	HSTDCCC750	PS030180.D	14 May 2025 13:53	AR\AJ	Ok,M
16	Q2007-13	PS030181.D	14 May 2025 14:17	AR\AJ	Ok,M
17	Q2007-19	PS030182.D	14 May 2025 14:41	AR\AJ	Ok,M
18	Q2007-25	PS030183.D	14 May 2025 15:05	AR\AJ	Ok,M
19	Q2007-31	PS030184.D	14 May 2025 15:29	AR\AJ	Ok,M
20	Q2007-07MS	PS030185.D	14 May 2025 15:53	AR\AJ	Ok,M
21	Q2007-07MSD	PS030186.D	14 May 2025 16:17	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 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	PB167976BL	PS030187.D	14 May 2025 16:41	AR\AJ	Ok
23	PB167976BS	PS030188.D	14 May 2025 17:05	AR\AJ	Ok,NR
24	I.BLK	PS030189.D	14 May 2025 17:29	AR\AJ	Ok
25	HSTDCCC750	PS030190.D	14 May 2025 17:53	AR\AJ	Ok,M
26	Q2004-01	PS030191.D	14 May 2025 18:17	AR\AJ	Ok
27	Q2004-03	PS030192.D	14 May 2025 18:41	AR\AJ	Ok
28	Q2004-05	PS030193.D	14 May 2025 19:05	AR\AJ	Ok
29	Q2004-07	PS030194.D	14 May 2025 19:29	AR\AJ	Ok
30	Q2004-09	PS030195.D	14 May 2025 19:54	AR\AJ	Ok,M
31	Q2004-11	PS030196.D	14 May 2025 20:18	AR\AJ	Ok,M
32	PB167988BL	PS030197.D	14 May 2025 20:42	AR\AJ	Ok,M
33	PB167988BS	PS030198.D	14 May 2025 21:06	AR\AJ	Not Ok
34	PB167963TB	PS030199.D	14 May 2025 21:30	AR\AJ	Ok,M
35	Q2001-03	PS030200.D	14 May 2025 21:54	AR\AJ	Ok
36	I.BLK	PS030201.D	14 May 2025 22:18	AR\AJ	Ok
37	HSTDCCC750	PS030202.D	14 May 2025 22:42	AR\AJ	Ok,M
38	Q2001-03MS	PS030203.D	14 May 2025 23:06	AR\AJ	Ok,M
39	Q2001-03MSD	PS030204.D	14 May 2025 23:30	AR\AJ	Ok,M
40	Q2001-07	PS030205.D	14 May 2025 23:54	AR\AJ	Ok
41	Q2001-11	PS030206.D	15 May 2025 00:18	AR\AJ	Ok
42	Q2001-15	PS030207.D	15 May 2025 00:42	AR\AJ	Ok,M
43	PB168003BL	PS030208.D	15 May 2025 01:06	AR\AJ	Ok
44	PB168003BS	PS030209.D	15 May 2025 01:30	AR\AJ	Ok,NR

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC Internal Standard/PEM	PP24559		
ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24562		

45	PB168003BSD	PS030210.D	15 May 2025 01:54	AR\AJ	Ok,NR
46	Q2005-01	PS030211.D	15 May 2025 02:19	AR\AJ	Ok,M
47	Q2032-11	PS030212.D	15 May 2025 05:02	AR\AJ	Ok,M
48	I.BLK	PS030213.D	15 May 2025 05:26	AR\AJ	Ok
49	HSTDCCC750	PS030214.D	15 May 2025 05:50	AR\AJ	Ok,M
50	PB167976BL	PS030215.D	15 May 2025 06:13	AR\AJ	Not Ok
51	PB167976BS	PS030216.D	15 May 2025 06:37	AR\AJ	Not Ok
52	Q2017-01	PS030217.D	15 May 2025 07:01	AR\AJ	Ok,M
53	Q2017-05	PS030218.D	15 May 2025 07:25	AR\AJ	Ok,M
54	PB167979BS	PS030219.D	15 May 2025 07:49	AR\AJ	Not Ok
55	I.BLK	PS030220.D	15 May 2025 08:13	AR\AJ	Ok
56	HSTDCCC750	PS030221.D	15 May 2025 08:37	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:37:00 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 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	PS030222.D	15 May 2025 09:02	AR\AJ	Ok
2	I.BLK	PS030223.D	15 May 2025 09:26	AR\AJ	Ok
3	HSTDCCC750	PS030224.D	15 May 2025 10:18	AR\AJ	Ok,M
4	PB167976BS	PS030225.D	15 May 2025 10:42	AR\AJ	Not Ok
5	PB167988BS	PS030226.D	15 May 2025 11:06	AR\AJ	Ok,M
6	Q1982-01	PS030227.D	15 May 2025 11:39	AR\AJ	Ok,M
7	Q1982-02	PS030228.D	15 May 2025 12:03	AR\AJ	Ok,M
8	Q1982-03	PS030229.D	15 May 2025 12:27	AR\AJ	Ok,M
9	Q1982-04	PS030230.D	15 May 2025 12:51	AR\AJ	Ok
10	Q1982-05	PS030231.D	15 May 2025 13:15	AR\AJ	Ok
11	Q1982-06	PS030232.D	15 May 2025 13:39	AR\AJ	Ok,M
12	Q1982-07	PS030233.D	15 May 2025 14:04	AR\AJ	Ok
13	Q1982-08	PS030234.D	15 May 2025 14:28	AR\AJ	Ok,M
14	I.BLK	PS030235.D	15 May 2025 15:42	AR\AJ	Ok,M
15	HSTDCCC750	PS030236.D	15 May 2025 16:06	AR\AJ	Ok,M
16	Q1982-08MS	PS030237.D	15 May 2025 16:30	AR\AJ	Ok,M
17	Q1982-08MSD	PS030238.D	15 May 2025 16:54	AR\AJ	Ok,M
18	Q2010-01	PS030239.D	15 May 2025 17:18	AR\AJ	Ok,M
19	Q2010-02	PS030240.D	15 May 2025 17:43	AR\AJ	Ok,M
20	Q2010-03	PS030241.D	15 May 2025 18:07	AR\AJ	Ok
21	Q2010-04	PS030242.D	15 May 2025 18:31	AR\AJ	Ok

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:37:00 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 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	Q2019-01	PS030243.D	15 May 2025 18:55	AR\AJ	Ok,M
23	Q2020-01	PS030244.D	15 May 2025 19:19	AR\AJ	Ok,M
24	Q1984-01	PS030245.D	15 May 2025 19:43	AR\AJ	Ok
25	Q1984-03	PS030246.D	15 May 2025 20:07	AR\AJ	Ok,M
26	I.BLK	PS030247.D	15 May 2025 20:31	AR\AJ	Ok
27	HSTDCCC750	PS030248.D	15 May 2025 20:55	AR\AJ	Ok,M
28	Q1984-05	PS030249.D	15 May 2025 21:19	AR\AJ	Ok
29	Q1984-07	PS030250.D	15 May 2025 21:43	AR\AJ	Ok,M
30	Q1984-09	PS030251.D	15 May 2025 22:08	AR\AJ	Ok,M
31	Q1984-11	PS030252.D	15 May 2025 22:32	AR\AJ	Ok,M
32	Q1984-13	PS030253.D	15 May 2025 22:56	AR\AJ	Ok
33	Q1984-15	PS030254.D	15 May 2025 23:20	AR\AJ	Ok
34	I.BLK	PS030255.D	15 May 2025 23:44	AR\AJ	Ok
35	HSTDCCC750	PS030256.D	16 May 2025 00:08	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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	PS030123.D	12 May 2025 11:42		AR\AJ	Ok
2	I.BLK	I.BLK	PS030124.D	12 May 2025 12:06		AR\AJ	Ok
3	HSTDICC200	HSTDICC200	PS030125.D	12 May 2025 12:30		AR\AJ	Ok,M
4	HSTDICC500	HSTDICC500	PS030126.D	12 May 2025 12:54		AR\AJ	Ok,M
5	HSTDICC750	HSTDICC750	PS030127.D	12 May 2025 13:18		AR\AJ	Ok,M
6	HSTDICC1000	HSTDICC1000	PS030128.D	12 May 2025 13:42		AR\AJ	Ok,M
7	HSTDICC1500	HSTDICC1500	PS030129.D	12 May 2025 14:06		AR\AJ	Ok,M
8	HSTDICV750	ICVPS051225	PS030130.D	12 May 2025 14:30		AR\AJ	Ok,M
9	I.BLK	I.BLK	PS030131.D	12 May 2025 14:54		AR\AJ	Ok
10	HSTDCCC750	HSTDCCC750	PS030132.D	12 May 2025 15:18		AR\AJ	Ok,M
11	Q1972-01	SUB-WC	PS030133.D	12 May 2025 15:42	Surrogate high in both column	AR\AJ	ReRun
12	Q1972-01RE	SUB-WCRE	PS030134.D	12 May 2025 16:58	Surrogate high in both column	AR\AJ	Confirms
13	Q1972-05	WC-B-10	PS030135.D	12 May 2025 17:46		AR\AJ	Ok,M
14	Q1972-05RE	WC-B-10RE	PS030136.D	12 May 2025 18:10	not needed	AR\AJ	Not Ok
15	I.BLK	I.BLK	PS030137.D	12 May 2025 18:34		AR\AJ	Ok
16	HSTDCCC750	HSTDCCC750	PS030138.D	12 May 2025 18:58		AR\AJ	Ok,M
17	PB167968BL	PB167968BL	PS030139.D	12 May 2025 19:46		AR\AJ	Ok,M
18	PB167968BS	PB167968BS	PS030140.D	12 May 2025 20:10		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051225

Review By	Abdul	Review On	5/13/2025 9:35:21 AM
Supervise By	mohammad	Supervise On	5/14/2025 5:13:40 AM
SubDirectory	PS051225	HP Acquire Method	HP Processing Method ps051225 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		

19	PB167851TB	PB167851TB	PS030141.D	12 May 2025 20:34		AR\AJ	Ok
20	Q1956-05	COMP1	PS030142.D	12 May 2025 20:59		AR\AJ	Ok,M
21	Q1956-05MS	COMP1MS	PS030143.D	12 May 2025 21:23	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
22	Q1956-05MSD	COMP1MSD	PS030144.D	12 May 2025 21:47	Comp#1,6,14 recovery fail	AR\AJ	Ok,M
23	I.BLK	I.BLK	PS030145.D	12 May 2025 22:11		AR\AJ	Ok
24	HSTDCCC750	HSTDCCC750	PS030146.D	12 May 2025 22:35		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 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	PS030166.D	14 May 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PS030167.D	14 May 2025 08:40		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030168.D	14 May 2025 09:04		AR\AJ	Ok,M
4	Q2007-06RE	OR-636-COMP-10RE	PS030169.D	14 May 2025 09:28	Surrogate high in 1st column	AR\AJ	Confirms
5	Q2007-12RE	OR-636-COMP-11RE	PS030170.D	14 May 2025 09:52	Surrogate high in 1st column	AR\AJ	Confirms
6	Q2007-18RE	OR-636-COMP-12RE	PS030171.D	14 May 2025 10:16	Surrogate high in 1st column	AR\AJ	Confirms
7	Q2007-24RE	OR-636-COMP-13RE	PS030172.D	14 May 2025 10:40	Surrogate high in 1st column	AR\AJ	Confirms
8	Q2007-30RE	OR-636-COMP-14RE	PS030173.D	14 May 2025 11:04	Surrogate high in 1st column	AR\AJ	Confirms
9	Q2007-36RE	OR-636-COMP-15RE	PS030174.D	14 May 2025 11:28	Surrogate high in 1st column	AR\AJ	Confirms
10	Q1968-01	MH-N	PS030175.D	14 May 2025 11:53		AR\AJ	Ok,M
11	Q1968-05	MH-M	PS030176.D	14 May 2025 12:17		AR\AJ	Ok,M
12	Q2007-01	OR-636-COMP-10	PS030177.D	14 May 2025 12:41		AR\AJ	Ok
13	Q2007-07	OR-636-COMP-11	PS030178.D	14 May 2025 13:05		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030179.D	14 May 2025 13:29		AR\AJ	Ok
15	HSTDCCC750	HSTDCCC750	PS030180.D	14 May 2025 13:53		AR\AJ	Ok,M
16	Q2007-13	OR-636-COMP-12	PS030181.D	14 May 2025 14:17		AR\AJ	Ok,M
17	Q2007-19	OR-636-COMP-13	PS030182.D	14 May 2025 14:41		AR\AJ	Ok,M
18	Q2007-25	OR-636-COMP-14	PS030183.D	14 May 2025 15:05		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2007-31	OR-636-COMP-15	PS030184.D	14 May 2025 15:29		AR\AJ	Ok,M
20	Q2007-07MS	OR-636-COMP-11MS	PS030185.D	14 May 2025 15:53	some compound recovery fail	AR\AJ	Ok,M
21	Q2007-07MSD	OR-636-COMP-11MSD	PS030186.D	14 May 2025 16:17	some compound recovery fail	AR\AJ	Ok,M
22	PB167976BL	PB167976BL	PS030187.D	14 May 2025 16:41		AR\AJ	Ok
23	PB167976BS	PB167976BS	PS030188.D	14 May 2025 17:05		AR\AJ	Ok,NR
24	I.BLK	I.BLK	PS030189.D	14 May 2025 17:29		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS030190.D	14 May 2025 17:53		AR\AJ	Ok,M
26	Q2004-01	VNJ-220	PS030191.D	14 May 2025 18:17		AR\AJ	Ok
27	Q2004-03	2811	PS030192.D	14 May 2025 18:41		AR\AJ	Ok
28	Q2004-05	R0202	PS030193.D	14 May 2025 19:05		AR\AJ	Ok
29	Q2004-07	205510	PS030194.D	14 May 2025 19:29		AR\AJ	Ok
30	Q2004-09	SOIL-STOCK	PS030195.D	14 May 2025 19:54		AR\AJ	Ok,M
31	Q2004-11	STONE-STOCK	PS030196.D	14 May 2025 20:18		AR\AJ	Ok,M
32	PB167988BL	PB167988BL	PS030197.D	14 May 2025 20:42		AR\AJ	Ok,M
33	PB167988BS	PB167988BS	PS030198.D	14 May 2025 21:06	Looks like BL	AR\AJ	Not Ok
34	PB167963TB	PB167963TB	PS030199.D	14 May 2025 21:30		AR\AJ	Ok,M
35	Q2001-03	WC-A4-03-C	PS030200.D	14 May 2025 21:54		AR\AJ	Ok
36	I.BLK	I.BLK	PS030201.D	14 May 2025 22:18		AR\AJ	Ok
37	HSTDCCC750	HSTDCCC750	PS030202.D	14 May 2025 22:42		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	Q2001-03MS	WC-A4-03-CMS	PS030203.D	14 May 2025 23:06	Comp#1,8,14 recovery fail	AR\AJ	Ok,M
39	Q2001-03MSD	WC-A4-03-CMSD	PS030204.D	14 May 2025 23:30	Comp#1,8,14 recovery fail	AR\AJ	Ok,M
40	Q2001-07	WC-A1-05-C	PS030205.D	14 May 2025 23:54		AR\AJ	Ok
41	Q2001-11	WC-A1-06-C	PS030206.D	15 May 2025 00:18		AR\AJ	Ok
42	Q2001-15	WC-A1-07-C	PS030207.D	15 May 2025 00:42		AR\AJ	Ok,M
43	PB168003BL	PB168003BL	PS030208.D	15 May 2025 01:06		AR\AJ	Ok
44	PB168003BS	PB168003BS	PS030209.D	15 May 2025 01:30		AR\AJ	Ok,NR
45	PB168003BSD	PB168003BSD	PS030210.D	15 May 2025 01:54		AR\AJ	Ok,NR
46	Q2005-01	252806	PS030211.D	15 May 2025 02:19		AR\AJ	Ok,M
47	Q2032-11	FB-05132025	PS030212.D	15 May 2025 05:02		AR\AJ	Ok,M
48	I.BLK	I.BLK	PS030213.D	15 May 2025 05:26		AR\AJ	Ok
49	HSTDCCC750	HSTDCCC750	PS030214.D	15 May 2025 05:50		AR\AJ	Ok,M
50	PB167976BL	PB167976BL	PS030215.D	15 May 2025 06:13		AR\AJ	Not Ok
51	PB167976BS	PB167976BS	PS030216.D	15 May 2025 06:37		AR\AJ	Not Ok
52	Q2017-01	MH-I	PS030217.D	15 May 2025 07:01		AR\AJ	Ok,M
53	Q2017-05	MH-J	PS030218.D	15 May 2025 07:25		AR\AJ	Ok,M
54	PB167979BS	PB167979BS	PS030219.D	15 May 2025 07:49	typo	AR\AJ	Not Ok
55	I.BLK	I.BLK	PS030220.D	15 May 2025 08:13		AR\AJ	Ok
56	HSTDCCC750	HSTDCCC750	PS030221.D	15 May 2025 08:37		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051425

Review By	Abdul	Review On	5/15/2025 7:48:32 AM
Supervise By	mohammad	Supervise On	5/16/2025 1:55:54 AM
SubDirectory	PS051425	HP Acquire Method	HP Processing Method ps051225 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		

M : Manual Integration

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:37:00 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 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	PS030222.D	15 May 2025 09:02		AR\AJ	Ok
2	I.BLK	I.BLK	PS030223.D	15 May 2025 09:26		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030224.D	15 May 2025 10:18		AR\AJ	Ok,M
4	PB167976BS	PB167976BS	PS030225.D	15 May 2025 10:42		AR\AJ	Not Ok
5	PB167988BS	PB167988BS	PS030226.D	15 May 2025 11:06		AR\AJ	Ok,M
6	Q1982-01	TP-1	PS030227.D	15 May 2025 11:39		AR\AJ	Ok,M
7	Q1982-02	TP-2B	PS030228.D	15 May 2025 12:03		AR\AJ	Ok,M
8	Q1982-03	TP-3	PS030229.D	15 May 2025 12:27		AR\AJ	Ok,M
9	Q1982-04	TP-4	PS030230.D	15 May 2025 12:51		AR\AJ	Ok
10	Q1982-05	TP-5	PS030231.D	15 May 2025 13:15		AR\AJ	Ok
11	Q1982-06	TP-6	PS030232.D	15 May 2025 13:39		AR\AJ	Ok,M
12	Q1982-07	TP-8	PS030233.D	15 May 2025 14:04		AR\AJ	Ok
13	Q1982-08	TP-9	PS030234.D	15 May 2025 14:28		AR\AJ	Ok,M
14	I.BLK	I.BLK	PS030235.D	15 May 2025 15:42		AR\AJ	Ok,M
15	HSTDCCC750	HSTDCCC750	PS030236.D	15 May 2025 16:06		AR\AJ	Ok,M
16	Q1982-08MS	TP-9MS	PS030237.D	15 May 2025 16:30		AR\AJ	Ok,M
17	Q1982-08MSD	TP-9MSD	PS030238.D	15 May 2025 16:54		AR\AJ	Ok,M
18	Q2010-01	TP-10	PS030239.D	15 May 2025 17:18		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS051525

Review By	Abdul	Review On	5/16/2025 10:05:06 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:37:00 AM
SubDirectory	PS051525	HP Acquire Method	HP Processing Method ps051225 8151
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24553,PP24554,PP24556,PP24557,PP24558,PP24559,PP24560		
CCC	PP24559		
Internal Standard/PEM			
ICV/I.BLK	PP24562		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2010-02	TP-13	PS030240.D	15 May 2025 17:43		AR\AJ	Ok,M
20	Q2010-03	TP-14	PS030241.D	15 May 2025 18:07		AR\AJ	Ok
21	Q2010-04	TP-17	PS030242.D	15 May 2025 18:31		AR\AJ	Ok
22	Q2019-01	MH-K	PS030243.D	15 May 2025 18:55		AR\AJ	Ok,M
23	Q2020-01	TP-A	PS030244.D	15 May 2025 19:19		AR\AJ	Ok,M
24	Q1984-01	OU4-PCS-TC-33-05072	PS030245.D	15 May 2025 19:43		AR\AJ	Ok
25	Q1984-03	OU4-PCS-TC-34-05072	PS030246.D	15 May 2025 20:07		AR\AJ	Ok,M
26	I.BLK	I.BLK	PS030247.D	15 May 2025 20:31		AR\AJ	Ok
27	HSTDCCC750	HSTDCCC750	PS030248.D	15 May 2025 20:55		AR\AJ	Ok,M
28	Q1984-05	OU4-PCS-TC-35-05072	PS030249.D	15 May 2025 21:19		AR\AJ	Ok
29	Q1984-07	OU4-TS-24-050725	PS030250.D	15 May 2025 21:43		AR\AJ	Ok,M
30	Q1984-09	OU4-TS-25-050725	PS030251.D	15 May 2025 22:08		AR\AJ	Ok,M
31	Q1984-11	OU4-TS-26-050725	PS030252.D	15 May 2025 22:32		AR\AJ	Ok,M
32	Q1984-13	OU4-TS-27-050725	PS030253.D	15 May 2025 22:56		AR\AJ	Ok
33	Q1984-15	OU4-TS-28-050725	PS030254.D	15 May 2025 23:20		AR\AJ	Ok
34	I.BLK	I.BLK	PS030255.D	15 May 2025 23:44		AR\AJ	Ok
35	HSTDCCC750	HSTDCCC750	PS030256.D	16 May 2025 00:08		AR\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2001-02	WC-A4-03-C	31	1.15	10.09	11.24	9.13	79.1	
Q2001-06	WC-A1-05-C	32	1.15	10.00	11.15	9.16	80.1	
Q2001-10	WC-A1-06-C	33	1.16	10.23	11.39	9.58	82.3	
Q2001-14	WC-A1-07-C	34	1.18	10.28	11.46	9.56	81.5	
Q2007-01	OR-636-COMP-10	1	1.15	10.52	11.67	10.25	86.5	
Q2007-02	OR-636-VOC-10	2	1.14	10.54	11.68	9.57	80.0	
Q2007-03	OR-636-28	3	1.19	10.56	11.75	10.3	86.3	
Q2007-04	OR-636-29	4	1.16	10.61	11.77	9.7	80.5	
Q2007-05	OR-636-30	5	1.13	10.16	11.29	10.42	91.4	
Q2007-07	OR-636-COMP-11	6	1.16	9.92	11.08	9.87	87.8	
Q2007-08	OR-636-VOC-11	7	1.12	11.24	12.36	10.96	87.5	
Q2007-09	OR-636-31	8	1.13	10.43	11.56	11.02	94.8	
Q2007-10	OR-636-32	9	1.18	10.36	11.54	10.33	88.3	
Q2007-11	OR-636-33	10	1.19	10.66	11.85	10.34	85.8	
Q2007-13	OR-636-COMP-12	11	1.16	10.06	11.22	11.2	99.8	
Q2007-14	OR-636-VOC-12	12	1.12	10.07	11.19	10.3	91.2	
Q2007-15	OR-636-34	13	1.13	10.72	11.85	11.00	92.1	
Q2007-16	OR-636-35	14	1.19	10.74	11.93	10.72	88.7	
Q2007-17	OR-636-36	15	1.19	10.53	11.72	10.92	92.4	
Q2007-19	OR-636-COMP-13	16	1.16	10.73	11.89	10.85	90.3	
Q2007-20	OR-636-VOC-13	17	1.13	10.05	11.18	10.16	89.9	
Q2007-21	OR-636-37	18	1.13	10.13	11.26	10.6	93.5	
Q2007-22	OR-636-38	19	1.17	10.08	11.25	10.47	92.3	
Q2007-23	OR-636-39	20	1.18	9.72	10.9	9.88	89.5	
Q2007-25	OR-636-COMP-14	21	1.13	9.93	11.06	10.31	92.4	
Q2007-26	OR-636-VOC-14	22	1.19	10.04	11.23	10.58	93.5	
Q2007-27	OR-636-40	23	1.18	10.40	11.58	10.9	93.5	
Q2007-28	OR-636-41	24	1.19	9.98	11.17	10.2	90.3	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/13/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/12/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:25
Out Date: 05/13/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135730

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
Q2007-29	OR-636-42	25	1.12	10.00	11.12	10.02	89.0	
Q2007-31	OR-636-COMP-15	26	1.15	9.45	10.6	9.81	91.6	
Q2007-32	OR-636-VOC-15	27	1.15	10.02	11.17	10.38	92.1	
Q2007-33	OR-636-43	28	1.16	9.80	10.96	9.96	89.8	
Q2007-34	OR-636-44	29	1.13	10.05	11.18	9.98	88.1	
Q2007-35	OR-636-45	30	1.13	10.62	11.75	10.62	89.4	
Q2010-01	TP-10	35	1.19	9.95	11.14	10.47	93.3	
Q2010-02	TP-13	36	1.19	9.93	11.12	9.57	84.4	
Q2010-03	TP-14	37	1.18	10.15	11.33	9.37	80.7	
Q2010-04	TP-17	38	1.16	10.80	11.96	9.52	77.4	
Q2014-01	MOO-25-0134	39	1.14	10.18	11.32	10.36	90.6	
Q2014-02	MOO-25-0134-E2	40	1.13	10.84	11.97	10.86	89.8	
Q2014-03	MOO-25-0145	41	1.19	9.98	11.17	10.88	97.1	
Q2014-04	MOO-25-0145-E2	42	1.13	9.96	11.09	10.9	98.1	
Q2014-05	MOO-25-0148	43	1.18	10.07	11.25	10.16	89.2	
Q2014-06	MOO-25-0148-E2	44	1.17	10.25	11.42	10.35	89.6	
Q2015-01	BC216248-1-1	45	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-02	BC216248-1-2	46	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-03	BC226007-1-1	47	1.00	1.00	2.00	2.00	100.0	pilc
Q2015-04	BC226007-1-2	48	1.00	1.00	2.00	2.00	100.0	pilc
Q2017-01	MH-I	49	1.18	10.30	11.48	9.84	84.1	
Q2017-02	MH-I-EPH	50	1.17	10.30	11.47	9.72	83.0	
Q2017-03	MH-I-VOC	51	1.16	10.41	11.57	9.76	82.6	
Q2017-05	MH-J	52	1.18	10.09	11.27	9.54	82.9	
Q2017-06	MH-J-EPH	53	1.12	10.86	11.98	10.47	86.1	
Q2017-07	MH-J-VOC	54	1.19	10.30	11.49	10.3	88.4	

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

WORKLIST(Hardcopy Internal Chain)

135130

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2001-02	WC-A4-03-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/06/2025	Chemtech -SO
Q2001-06	WC-A1-05-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/07/2025	Chemtech -SO
Q2001-10	WC-A1-06-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2001-14	WC-A1-07-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	L61	05/08/2025	Chemtech -SO
Q2007-01	OR-636-COMP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-02	OR-636-VOC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-03	OR-636-28	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-04	OR-636-29	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-05	OR-636-30	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-07	OR-636-COMP-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-08	OR-636-VOC-11	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-09	OR-636-31	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-10	OR-636-32	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-11	OR-636-33	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-13	OR-636-COMP-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-14	OR-636-VOC-12	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-15	OR-636-34	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-16	OR-636-35	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-17	OR-636-36	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-19	OR-636-COMP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-20	OR-636-VOC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: 80 wgh

Raw Sample Relinquished by: 80 wgh

Date/Time 05/12/25

Raw Sample Received by: 80 wgh

Raw Sample Relinquished by: 80 wgh

WORKLIST(Hardcopy Internal Chain)

135730

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2007-21	OR-636-37	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-22	OR-636-38	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-23	OR-636-39	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-25	OR-636-COMP-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-26	OR-636-VOC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-27	OR-636-40	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-28	OR-636-41	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-29	OR-636-42	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-31	OR-636-COMP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-32	OR-636-VOC-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-33	OR-636-43	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-34	OR-636-44	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2007-35	OR-636-45	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-01	TP-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/09/2025	Chemtech -SO
Q2010-02	TP-13	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-03	TP-14	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2010-04	TP-17	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-01	MOO-25-0134	Solid	Percent Solids	Cool 4 deg C	CAMP02	L51	05/08/2025	Chemtech -SO
Q2014-02	MOO-25-0134-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-03	MOO-25-0145	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-04	MOO-25-0145-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: 38 woc

Raw Sample Relinquished by: [Signature]

Date/Time 05/12/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: 38 woc

WORKLIST(Hardcopy Internal Chain)

7795730

WorkList Name : %1-051225

WorkList ID : 189428

Department : Wet-Chemistry

Date : 05-12-2025 08:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2014-05	MOO-25-0148	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2014-06	MOO-25-0148-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2015-01	BC216248-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-02	BC216248-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-03	BC226007-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2015-04	BC226007-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/12/2025	Chemtech -SO
Q2017-01	MH-I	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-02	MH-I-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-03	MH-I-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-05	MH-J	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-06	MH-J-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO
Q2017-07	MH-J-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/12/2025	Chemtech -SO

Date/Time 05/12/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/12/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

SOP ID:	M8151A-Herbicide-22		
Clean Up SOP #:	N/A	Extraction Start Date :	05/13/2025
Matrix :	Solid	Extraction Start Time :	10:35
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	E3880	Hood ID:	3,4,5,7
		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	PP24484
Surrogate	1.0ML	5000 PPB	PP24552
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	EP2576
Sand	N/A	E2865
HCL	N/A	M6151
DI WATER	N/A	N/A
37% KOH	N/A	EP2594
Methylene Chloride	N/A	E3930
1:3 SULPHURIC ACID	N/A	EP2598
Ether	N/A	E3881
ISO OCTANE	N/A	E3554
METHANOL	N/A	V14622
Diazomethane	N/A	EP2608
Hexane	N/A	E3933
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
5/13/25	RS (BTL Lab)	DR. Pesh-IPCB Lab
17:50	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/13/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167976BL	HBLK976	Herbicide	30.01	N/A	ritesh	Evelyn	10			U6-1
PB167976BS	HLCS976	Herbicide	30.03	N/A	ritesh	Evelyn	10			2
Q1968-01	MH-N	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q1968-05	MH-M	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2004-01	VNJ-220	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		5
Q2004-03	2811	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2004-05	R0202	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		U3-1
Q2004-07	205510	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		2
Q2004-09	SOIL-STOCK	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2004-11	STONE-STOCK	Herbicide	30.01	N/A	ritesh	Evelyn	10	E	Stone	4
Q2007-01	OR-636-COMP-10	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		5
Q2007-07	OR-636-COMP-11	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		6
Q2007-07MS	OR-636-COMP-11MS	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U2-1
Q2007-07MS D	OR-636-COMP-11MSD	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		2
Q2007-13	OR-636-COMP-12	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2007-19	OR-636-COMP-13	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		4
Q2007-25	OR-636-COMP-14	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2007-31	OR-636-COMP-15	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		6
Q2010-01	TP-10	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		U1-1
Q2010-02	TP-13	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2010-03	TP-14	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q2010-04	TP-17	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		4
Q2017-01	MH-I	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		5
Q2017-05	MH-J	Herbicide	30.01	N/A	ritesh	Evelyn	10	A		6

6346691
10:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1968H WorkList ID : 189484 Department : Extraction Date : 05-13-2025 09:01:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1968-01	MH-N	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/06/2025	8151A
Q1968-05	MH-M	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/06/2025	8151A
Q2004-01	VNJ-220	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-03	2811	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-05	R0202	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-07	205510	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-09	SOIL-STOCK	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2004-11	STONE-STOCK	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-01	OR-636-COMP-10	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-07	OR-636-COMP-11	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-13	OR-636-COMP-12	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-19	OR-636-COMP-13	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-25	OR-636-COMP-14	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2007-31	OR-636-COMP-15	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/09/2025	8151A
Q2010-01	TP-10	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-02	TP-13	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-03	TP-14	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2010-04	TP-17	Solid	Herbicide	Cool 4 deg C	CAMP02	L51	05/08/2025	8151A
Q2017-01	MH-I	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A
Q2017-05	MH-J	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/12/2025	8151A

Date/Time 05/13/25 10:30
Raw Sample Received by: RJ [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 05/13/25 11:05
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ L FEA - (200)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM SMITH
ADDRESS: 110 FIELDCREST AVE #8 6TH FLOOR
CITY EDISON STATE: NJ ZIP: 08837
ATTENTION: MARCIE ENCINAS
PHONE: 732 590 4679 FAX: 732 225 7851

CLIENT PROJECT INFORMATION

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

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

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

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

TEL VOC
FCL SVOC
TAL METALS
PCB's
PESTICIDES
HERBICIDES
DDT / GDO

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	TP-10	SOIL		X	5/8/25	0820	6	X	X	X	X	X	X	X			E
2.	TP-13	SOIL		X	5/8/25	1015	6	X	X	X	X	X	X	X			E
3.	TP-14	SOIL		X	5/8/25	1135	6	X	X	X	X	X	X	X			E
4.	TP-17	SOIL		X	5/8/25	1305	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: 1. <i>[Signature]</i>	DATE/TIME: 5/8/25	RECEIVED BY: 1. <i>[Signature]</i> 5-4-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
RELINQUISHED BY SAMPLER: 2. <i>[Signature]</i>	DATE/TIME:	RECEIVED BY: 2. <i>[Signature]</i>	Temp 3.2°C Adjustment Factor TO IR Gun #1.
RELINQUISHED BY SAMPLER: 3. <i>[Signature]</i>	DATE/TIME: 1650	RECEIVED BY: 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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2010	CAMP02	Order Date : 5/9/2025 4:00:00 PM	Project Mgr : Yazmeen
Client Name : CDM Smith		Project Name : South River WM Replacem	Report Type : Level 1 NJ Reduced
Client Contact : Marcie Ann Encinas		Receive DateTime : 5/9/2025 4:50:00 PM	EDD Type : EXCEL NOCLEANUP
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff : 5/12/2025 10:55:21 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2010-01	TP-10	Solid	05/08/2025	08:20					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-02	TP-13	Solid	05/08/2025	10:15					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-03	TP-14	Solid	05/08/2025	11:35					
					VOC-TCLVOA-10		8260D	10 Bus. Days	
Q2010-04	TP-17	Solid	05/08/2025	13:05					
					VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :


5/12/25 1110

Received By :

Date / Time :


05/12/25 11:10 AM

Storage Area : VOA Refridgerator Room

11:10 AM #6
F22