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Hit Summary Sheet
SW-846

SDG No.:	Q2074	Order ID:	Q2074
Client:	CDM Smith	Project ID:	South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :				Total Concentration:	0.000			



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-12	SDG No.:	Q2074
Lab Sample ID:	Q2074-01	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	83.5
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
PS030360.D	1	05/21/25 08:30	05/22/25 21:17	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.30	U	9.30	80.1	ug/Kg
120-36-5	DICHLORPROP	15.3	U	15.3	80.1	ug/Kg
94-75-7	2,4-D	10.8	U	10.8	80.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.8	U	10.8	80.1	ug/Kg
93-76-5	2,4,5-T	10.4	U	10.4	80.1	ug/Kg
94-82-6	2,4-DB	28.9	U	28.9	80.1	ug/Kg
88-85-7	DINOSEB	12.9	U	12.9	80.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	317		10 - 141	63%	SPK: 500

Comments:

U = Not Detected

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-7	SDG No.:	Q2074
Lab Sample ID:	Q2074-02	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	88.7
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
PS030361.D	1	05/21/25 08:30	05/22/25 21:41	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	75.5	ug/Kg
120-36-5	DICHLORPROP	14.4	U	14.4	75.5	ug/Kg
94-75-7	2,4-D	10.2	U	10.2	75.5	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.5	ug/Kg
93-76-5	2,4,5-T	9.80	U	9.80	75.5	ug/Kg
94-82-6	2,4-DB	27.3	U	27.3	75.5	ug/Kg
88-85-7	DINOSEB	12.2	U	12.2	75.5	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	323		10 - 141	65%	SPK: 500

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-15	SDG No.:	Q2074
Lab Sample ID:	Q2074-03	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	87
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030362.D	1	05/21/25 08:30	05/22/25 22:05	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.90	U	8.90	76.9	ug/Kg
120-36-5	DICHLORPROP	14.7	U	14.7	76.9	ug/Kg
94-75-7	2,4-D	10.4	U	10.4	76.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.4	U	10.4	76.9	ug/Kg
93-76-5	2,4,5-T	10.0	U	10.0	76.9	ug/Kg
94-82-6	2,4-DB	27.8	U	27.8	76.9	ug/Kg
88-85-7	DINOSEB	12.4	U	12.4	76.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	335		10 - 141	67%	SPK: 500

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-20	SDG No.:	Q2074
Lab Sample ID:	Q2074-04	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	84.3
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030363.D	1	05/21/25 08:30	05/22/25 22:29	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.20	U	9.20	79.3	ug/Kg
120-36-5	DICHLORPROP	15.1	U	15.1	79.3	ug/Kg
94-75-7	2,4-D	10.7	U	10.7	79.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.7	U	10.7	79.3	ug/Kg
93-76-5	2,4,5-T	10.3	U	10.3	79.3	ug/Kg
94-82-6	2,4-DB	28.6	U	28.6	79.3	ug/Kg
88-85-7	DINOSEB	12.8	U	12.8	79.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	345		10 - 141	69%	SPK: 500

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B = Analyte Found in Associated Method Blank

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith		Date Collected:	05/15/25	
Project:	South River WM Replacement		Date Received:	05/16/25	
Client Sample ID:	TP-38		SDG No.:	Q2074	
Lab Sample ID:	Q2074-05		Matrix:	SOIL	
Analytical Method:	8151A		% Solid:	81.9	Decanted:
Sample Wt/Vol:	30.06	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
PS030364.D	1	05/21/25 08:30	05/22/25 22:53	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.40	U	9.40	81.6	ug/Kg
120-36-5	DICHLORPROP	15.6	U	15.6	81.6	ug/Kg
94-75-7	2,4-D	11.0	U	11.0	81.6	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.0	U	11.0	81.6	ug/Kg
93-76-5	2,4,5-T	10.6	U	10.6	81.6	ug/Kg
94-82-6	2,4-DB	29.5	U	29.5	81.6	ug/Kg
88-85-7	DINOSEB	13.2	U	13.2	81.6	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	374		10 - 141	75%	SPK: 500

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-19	SDG No.:	Q2074
Lab Sample ID:	Q2074-06	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	85.9
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030365.D	1	05/21/25 08:30	05/22/25 23:17	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.00	U	9.00	77.9	ug/Kg
120-36-5	DICHLORPROP	14.9	U	14.9	77.9	ug/Kg
94-75-7	2,4-D	10.5	U	10.5	77.9	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.5	U	10.5	77.9	ug/Kg
93-76-5	2,4,5-T	10.1	U	10.1	77.9	ug/Kg
94-82-6	2,4-DB	28.1	U	28.1	77.9	ug/Kg
88-85-7	DINOSEB	12.6	U	12.6	77.9	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	352		10 - 141	70%	SPK: 500

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D = Dilution

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/15/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-40	SDG No.:	Q2074
Lab Sample ID:	Q2074-07	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	89.2
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
PS030366.D	1	05/21/25 08:30	05/22/25 23:41	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	8.70	U	8.70	75.1	ug/Kg
120-36-5	DICHLORPROP	14.3	U	14.3	75.1	ug/Kg
94-75-7	2,4-D	10.1	U	10.1	75.1	ug/Kg
93-72-1	2,4,5-TP (Silvex)	10.2	U	10.2	75.1	ug/Kg
93-76-5	2,4,5-T	9.70	U	9.70	75.1	ug/Kg
94-82-6	2,4-DB	27.1	U	27.1	75.1	ug/Kg
88-85-7	DINOSEB	12.1	U	12.1	75.1	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	280		10 - 141	56%	SPK: 500

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	TP-18	SDG No.:	Q2074
Lab Sample ID:	Q2074-08	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	78
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
PS030367.D	1	05/21/25 08:30	05/23/25 00:05	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	9.90	U	9.90	85.7	ug/Kg
120-36-5	DICHLORPROP	16.4	U	16.4	85.7	ug/Kg
94-75-7	2,4-D	11.6	U	11.6	85.7	ug/Kg
93-72-1	2,4,5-TP (Silvex)	11.6	U	11.6	85.7	ug/Kg
93-76-5	2,4,5-T	11.1	U	11.1	85.7	ug/Kg
94-82-6	2,4-DB	31.0	U	31.0	85.7	ug/Kg
88-85-7	DINOSEB	13.8	U	13.8	85.7	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	324		10 - 141	65%	SPK: 500

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QC SUMMARY

Surrogate Summary

SDG No.: Q2074

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-PS030313.D	PIBLK-PS030313.D	2,4-DCAA	1	500	492	98		39	175
		2,4-DCAA	2	500	474	95		39	175
PB168097BL	PB168097BL	2,4-DCAA	1	500	417	83		10	141
		2,4-DCAA	2	500	357	71		10	141
PB168097BS	PB168097BS	2,4-DCAA	1	500	535	107		10	141
		2,4-DCAA	2	500	506	101		10	141
I.BLK-PS030323.D	PIBLK-PS030323.D	2,4-DCAA	1	500	497	99		39	175
		2,4-DCAA	2	500	492	98		39	175
Q2071-01MS	L1-WC-7MS	2,4-DCAA	1	500	517	103		10	141
		2,4-DCAA	2	500	400	80		10	141
Q2071-01MSD	L1-WC-7MSD	2,4-DCAA	1	500	518	104		10	141
		2,4-DCAA	2	500	403	81		10	141
I.BLK-PS030333.D	PIBLK-PS030333.D	2,4-DCAA	1	500	501	100		39	175
		2,4-DCAA	2	500	496	99		39	175
I.BLK-PS030358.D	PIBLK-PS030358.D	2,4-DCAA	1	500	513	103		39	175
		2,4-DCAA	2	500	501	100		39	175
Q2074-01	TP-12	2,4-DCAA	1	500	317	63		10	141
		2,4-DCAA	2	500	290	58		10	141
Q2074-02	TP-7	2,4-DCAA	1	500	323	65		10	141
		2,4-DCAA	2	500	271	54		10	141
Q2074-03	TP-15	2,4-DCAA	1	500	335	67		10	141
		2,4-DCAA	2	500	317	63		10	141
Q2074-04	TP-20	2,4-DCAA	1	500	345	69		10	141
		2,4-DCAA	2	500	305	61		10	141
Q2074-05	TP-38	2,4-DCAA	1	500	374	75		10	141
		2,4-DCAA	2	500	343	69		10	141
Q2074-06	TP-19	2,4-DCAA	1	500	352	70		10	141
		2,4-DCAA	2	500	310	62		10	141
Q2074-07	TP-40	2,4-DCAA	1	500	280	56		10	141
		2,4-DCAA	2	500	239	48		10	141
Q2074-08	TP-18	2,4-DCAA	1	500	324	65		10	141
		2,4-DCAA	2	500	297	59		10	141
I.BLK-PS030368.D	PIBLK-PS030368.D	2,4-DCAA	1	500	514	103		39	175
		2,4-DCAA	2	500	513	103		39	175

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2074</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030326.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2071-01MS (Column 1)	L1-WC-7MS											
	DICAMBA	192.4	0	150	ug/Kg	78				10	112	
	DICHLORPROP	192.4	0	164	ug/Kg	85				10	113	
	2,4-D	192.4	0	188	ug/Kg	98				10	144	
	2,4,5-TP(Silvex)	192.4	0	159	ug/Kg	83				10	114	
	2,4,5-T	192.4	0	158	ug/Kg	82				10	115	
	2,4-DB	192.4	0	198	ug/Kg	103				10	140	
Client Sample ID: Q2071-01MS (Column 2)	Dinoseb	192.4	0	16.4	ug/Kg	9	*			10	118	
	L1-WC-7MS											
	DICAMBA	192.4	0	149	ug/Kg	77				10	112	
	DICHLORPROP	192.4	0	157	ug/Kg	82				10	113	
	2,4-D	192.4	0	175	ug/Kg	91				10	144	
	2,4,5-TP(Silvex)	192.4	0	165	ug/Kg	86				10	114	
	2,4,5-T	192.4	0	157	ug/Kg	82				10	115	
	2,4-DB	192.4	0	134	ug/Kg	70				10	140	
	Dinoseb	192.4	0	12.6	ug/Kg	7	*			10	118	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2074</u>	Analytical Method:	<u>8151A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PS030327.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2071-01MSD (Column 1)	L1-WC-7MSD											
	DICAMBA	192.3	0	151	ug/Kg	79		1		10	112	20
	DICHLORPROP	192.3	0	165	ug/Kg	86		1		10	113	20
	2,4-D	192.3	0	189	ug/Kg	98		0		10	144	20
	2,4,5-TP(Silvex)	192.3	0	161	ug/Kg	84		1		10	114	20
	2,4,5-T	192.3	0	160	ug/Kg	83		1		10	115	20
	2,4-DB	192.3	0	198	ug/Kg	103		0		10	140	20
Client Sample ID: Q2071-01MSD (Column 2)	Dinoseb	192.3	0	15.8	ug/Kg	8	*	12		10	118	20
	L1-WC-7MSD											
	DICAMBA	192.3	0	150	ug/Kg	78		1		10	112	20
	DICHLORPROP	192.3	0	157	ug/Kg	82		0		10	113	20
	2,4-D	192.3	0	176	ug/Kg	92		1		10	144	20
	2,4,5-TP(Silvex)	192.3	0	167	ug/Kg	87		1		10	114	20
	2,4,5-T	192.3	0	158	ug/Kg	82		0		10	115	20
	2,4-DB	192.3	0	165	ug/Kg	86		21		10	140	20
	Dinoseb	192.3	0	0	ug/Kg	0	*	200		10	118	20

**SW-846**

Datafile : PS030316.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Limits	
								Qual	Low	High
PB168097BS (Column 1)	DICAMBA	166.6	169	ug/Kg	101				72	129
	DICHLORPROP	166.6	167	ug/Kg	100				77	135
	2,4-D	166.6	168	ug/Kg	101				65	144
	2,4,5-TP(Silvex)	166.6	171	ug/Kg	103				74	146
	2,4,5-T	166.6	172	ug/Kg	103				77	134
	2,4-DB	166.6	178	ug/Kg	107				72	122
	Dinoseb	166.6	169	ug/Kg	101				74	132
PB168097BS (Column 2)	DICAMBA	166.6	159	ug/Kg	95				72	129
	DICHLORPROP	166.6	157	ug/Kg	94				77	135
	2,4-D	166.6	161	ug/Kg	97				65	144
	2,4,5-TP(Silvex)	166.6	164	ug/Kg	98				74	146
	2,4,5-T	166.6	163	ug/Kg	98				77	134
	2,4-DB	166.6	140	ug/Kg	84				72	122
	Dinoseb	166.6	160	ug/Kg	96				74	132

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168097BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab Sample ID: PB168097BL

Lab File ID: PS030315.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/21/2025

Date Analyzed (1): 05/21/2025

Date Analyzed (2): 05/21/2025

Time Analyzed (1): 16:32

Time Analyzed (2): 16:32

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
PB168097BS	PB168097BS	PS030316.D	05/21/2025	05/21/2025
L1-WC-7MS	Q2071-01MS	PS030326.D	05/21/2025	05/21/2025
L1-WC-7MSD	Q2071-01MSD	PS030327.D	05/21/2025	05/21/2025
TP-12	Q2074-01	PS030360.D	05/22/2025	05/22/2025
TP-7	Q2074-02	PS030361.D	05/22/2025	05/22/2025
TP-15	Q2074-03	PS030362.D	05/22/2025	05/22/2025
TP-20	Q2074-04	PS030363.D	05/22/2025	05/22/2025
TP-38	Q2074-05	PS030364.D	05/22/2025	05/22/2025
TP-19	Q2074-06	PS030365.D	05/22/2025	05/22/2025
TP-40	Q2074-07	PS030366.D	05/22/2025	05/22/2025
TP-18	Q2074-08	PS030367.D	05/23/2025	05/23/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168097BL	SDG No.:	Q2074
Lab Sample ID:	PB168097BL	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030315.D	1	05/21/25 08:30	05/21/25 16:32	PB168097

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	417		10 - 141	83%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

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.:	Q2074
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

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LOD = Limit of Detection

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PS030313.D	SDG No.:	Q2074
Lab Sample ID:	I.BLK-PS030313.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
PS030313.D	1		05/21/25	ps052125

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	492		39 - 175	98%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PS030323.D	SDG No.:	Q2074
Lab Sample ID:	I.BLK-PS030323.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
PS030323.D	1		05/21/25	ps052125

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	497		39 - 175	99%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/22/25
Project:	South River WM Replacement	Date Received:	05/22/25
Client Sample ID:	PIBLK-PS030333.D	SDG No.:	Q2074
Lab Sample ID:	I.BLK-PS030333.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
PS030333.D	1		05/22/25	ps052125

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	501		39 - 175	100%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/22/25
Project:	South River WM Replacement	Date Received:	05/22/25
Client Sample ID:	PIBLK-PS030358.D	SDG No.:	Q2074
Lab Sample ID:	I.BLK-PS030358.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
PS030358.D	1		05/22/25	PS052225

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	513		39 - 175	103%	SPK: 500

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/23/25
Project:	South River WM Replacement	Date Received:	05/23/25
Client Sample ID:	PIBLK-PS030368.D	SDG No.:	Q2074
Lab Sample ID:	I.BLK-PS030368.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
PS030368.D	1		05/23/25	PS052225

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	514		39 - 175	103%	SPK: 500

Comments:

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E = Value Exceeds Calibration Range

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168097BS	SDG No.:	Q2074
Lab Sample ID:	PB168097BS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	100 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:		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
PS030316.D	1	05/21/25 08:30	05/21/25 16:56	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	169		7.70	67.0	ug/Kg
120-36-5	DICHLORPROP	167		12.8	67.0	ug/Kg
94-75-7	2,4-D	168		9.00	67.0	ug/Kg
93-72-1	2,4,5-TP (Silvex)	171		9.10	67.0	ug/Kg
93-76-5	2,4,5-T	172		8.70	67.0	ug/Kg
94-82-6	2,4-DB	178		24.2	67.0	ug/Kg
88-85-7	DINOSEB	169		10.8	67.0	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	535		10 - 141	107%	SPK: 500

Comments:

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	L1-WC-7MS	SDG No.:	Q2074
Lab Sample ID:	Q2071-01MS	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.6
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	Injection Volume :	
Prep Method :	8151A		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030326.D	1	05/21/25 08:30	05/21/25 22:09	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	150		8.90	77.3	ug/Kg
120-36-5	DICHLORPROP	164		14.8	77.3	ug/Kg
94-75-7	2,4-D	188		10.4	77.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	165		10.5	77.3	ug/Kg
93-76-5	2,4,5-T	158		10.0	77.3	ug/Kg
94-82-6	2,4-DB	198	P	27.9	77.3	ug/Kg
88-85-7	DINOSEB	16.4	JP	12.5	77.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	517		10 - 141	103%	SPK: 500

Comments:

U = Not Detected

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LOD = Limit of Detection

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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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/16/25
Project:	South River WM Replacement	Date Received:	05/16/25
Client Sample ID:	L1-WC-7MSD	SDG No.:	Q2074
Lab Sample ID:	Q2071-01MSD	Matrix:	SOIL
Analytical Method:	8151A	% Solid:	86.6
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Herbicide
GPC Factor :	1.0	PH :	
Prep Method :	8151A	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PS030327.D	1	05/21/25 08:30	05/21/25 22:33	PB168097

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
1918-00-9	DICAMBA	151		8.90	77.3	ug/Kg
120-36-5	DICHLORPROP	165		14.8	77.3	ug/Kg
94-75-7	2,4-D	189		10.4	77.3	ug/Kg
93-72-1	2,4,5-TP (Silvex)	167		10.5	77.3	ug/Kg
93-76-5	2,4,5-T	160		10.0	77.3	ug/Kg
94-82-6	2,4-DB	198		27.9	77.3	ug/Kg
88-85-7	DINOSEB	15.8	J	12.5	77.3	ug/Kg
SURROGATES						
19719-28-9	2,4-DCAA	518		10 - 141	104%	SPK: 500

Comments:

U = Not Detected

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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



CALIBRATION SUMMARY

A
B
C
D
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Calibration Times: 12:30 14:06

LAB FILE ID:	RT 200 =	<u>PS030125.D</u>	RT 500 =	<u>PS030126.D</u>
	RT 750 =	PS030127.D	RT 1000 =	PS030128.D
			RT 1500 =	PS030129.D

[illegible]

A
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Calibration Times: 12:30 14:06

LAB FILE ID:	RT 200 =	<u>PS030125.D</u>	RT 500 =	<u>PS030126.D</u>
	RT 750 =	PS030127.D	RT 1000 =	PS030128.D
			RT 1500 =	PS030129.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2074 **SAS No.:** Q2074 **SDG NO.:** Q2074

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2074 **SAS No.:** Q2074 **SDG NO.:** Q2074

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 = PS030125.DCF 500 = PS030126.DCF 750 = PS030127.DCF 1000 = PS030128.DCF 1500 = PS030129.D							
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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/21/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 15:25 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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/21/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 15:25 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	7.63	7.64	7.54	7.74	0.01
2,4-DCAA	7.44	7.45	7.35	7.55	0.01
DICHLORPROP	8.32	8.33	8.23	8.43	0.01
2,4-D	8.63	8.64	8.54	8.74	0.01
2,4,5-TP(Silvex)	9.51	9.52	9.42	9.62	0.01
2,4,5-T	9.91	9.93	9.83	10.03	0.02
2,4-DB	10.47	10.49	10.39	10.59	0.02
Dinoseb	10.84	10.86	10.76	10.96	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL01 Date Analyzed: 05/21/2025

Lab Sample No.: HSTDCCC750 Data File : PS030314.D Time Analyzed: 15:25

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.129	9.033	9.233	712.280	712.500	0.0
2,4,5-TP(Silvex)	8.847	8.750	8.950	712.570	712.500	0.0
2,4-D	8.006	7.910	8.110	697.640	705.000	-1.0
2,4-DB	9.687	9.589	9.789	755.280	712.500	6.0
2,4-DCAA	6.929	6.834	7.034	726.170	750.000	-3.2
DICAMBA	7.106	7.010	7.210	703.230	705.000	-0.3
DICHLORPROP	7.786	7.689	7.889	684.540	705.000	-2.9
Dinoseb	10.848	10.751	10.951	695.150	705.000	-1.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL01 Date Analyzed: 05/21/2025

Lab Sample No.: HSTDCCC750 Data File : PS030314.D Time Analyzed: 15:25

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.913	9.826	10.026	684.310	712.500	-4.0
2,4,5-TP(Silvex)	9.509	9.423	9.623	690.980	712.500	-3.0
2,4-D	8.632	8.544	8.744	672.740	705.000	-4.6
2,4-DB	10.471	10.385	10.585	624.030	712.500	-12.4
2,4-DCAA	7.442	7.354	7.554	692.280	750.000	-7.7
DICAMBA	7.627	7.539	7.739	678.490	705.000	-3.8
DICHLORPROP	8.319	8.232	8.432	652.460	705.000	-7.5
Dinoseb	10.844	10.758	10.958	672.210	705.000	-4.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/21/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:32 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	0.01
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	9.68	9.69	9.59	9.79	0.01
Dinoseb	10.84	10.85	10.75	10.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/21/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:32 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	7.63	7.64	7.54	7.74	0.01
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.32	8.33	8.23	8.43	0.01
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.51	9.52	9.42	9.62	0.01
2,4,5-T	9.92	9.93	9.83	10.03	0.01
2,4-DB	10.47	10.49	10.39	10.59	0.02
Dinoseb	10.85	10.86	10.76	10.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL02 Date Analyzed: 05/21/2025

Lab Sample No.: HSTDCCC750 Data File : PS030324.D Time Analyzed: 20:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.127	9.033	9.233	711.830	712.500	-0.1
2,4,5-TP(Silvex)	8.845	8.750	8.950	708.190	712.500	-0.6
2,4-D	8.005	7.910	8.110	695.040	705.000	-1.4
2,4-DB	9.684	9.589	9.789	759.510	712.500	6.6
2,4-DCAA	6.929	6.834	7.034	728.350	750.000	-2.9
DICAMBA	7.105	7.010	7.210	701.780	705.000	-0.5
DICHLORPROP	7.785	7.689	7.889	686.830	705.000	-2.6
Dinoseb	10.844	10.751	10.951	690.500	705.000	-2.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL02 Date Analyzed: 05/21/2025

Lab Sample No.: HSTDCCC750 Data File : PS030324.D Time Analyzed: 20:32

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.918	9.826	10.026	697.960	712.500	-2.0
2,4,5-TP(Silvex)	9.513	9.423	9.623	702.560	712.500	-1.4
2,4-D	8.636	8.544	8.744	688.830	705.000	-2.3
2,4-DB	10.474	10.385	10.585	634.390	712.500	-11.0
2,4-DCAA	7.447	7.354	7.554	713.880	750.000	-4.8
DICAMBA	7.633	7.539	7.739	690.690	705.000	-2.0
DICHLORPROP	8.324	8.232	8.432	666.080	705.000	-5.5
Dinoseb	10.848	10.758	10.958	683.340	705.000	-3.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 01:45 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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 01:45 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	7.63	7.64	7.54	7.74	0.01
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.33	8.33	8.23	8.43	0.01
2,4-D	8.64	8.64	8.54	8.74	0.00
2,4,5-TP(Silvex)	9.51	9.52	9.42	9.62	0.01
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	10.85	10.86	10.76	10.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL03 Date Analyzed: 05/22/2025

Lab Sample No.: HSTDCCC750 Data File : PS030334.D Time Analyzed: 01:45

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.128	9.033	9.233	704.880	712.500	-1.1
2,4,5-TP(Silvex)	8.846	8.750	8.950	700.620	712.500	-1.7
2,4-D	8.005	7.910	8.110	686.810	705.000	-2.6
2,4-DB	9.685	9.589	9.789	746.410	712.500	4.8
2,4-DCAA	6.930	6.834	7.034	721.880	750.000	-3.7
DICAMBA	7.106	7.010	7.210	694.030	705.000	-1.6
DICHLORPROP	7.786	7.689	7.889	681.520	705.000	-3.3
Dinoseb	10.845	10.751	10.951	686.410	705.000	-2.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL03 Date Analyzed: 05/22/2025

Lab Sample No.: HSTDCCC750 Data File : PS030334.D Time Analyzed: 01:45

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.918	9.826	10.026	690.390	712.500	-3.1
2,4,5-TP(Silvex)	9.514	9.423	9.623	696.770	712.500	-2.2
2,4-D	8.636	8.544	8.744	681.090	705.000	-3.4
2,4-DB	10.475	10.385	10.585	633.280	712.500	-11.1
2,4-DCAA	7.448	7.354	7.554	710.320	750.000	-5.3
DICAMBA	7.633	7.539	7.739	685.810	705.000	-2.7
DICHLORPROP	8.325	8.232	8.432	662.290	705.000	-6.1
Dinoseb	10.849	10.758	10.958	676.960	705.000	-4.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:29 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	7.10	7.11	7.01	7.21	0.01
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.78	7.79	7.69	7.89	0.01
2,4-D	8.00	8.01	7.91	8.11	0.01
2,4,5-TP(Silvex)	8.84	8.85	8.75	8.95	0.01
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.68	9.69	9.59	9.79	0.01
Dinoseb	10.84	10.85	10.75	10.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 20:29 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	7.63	7.64	7.54	7.74	0.01
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.32	8.33	8.23	8.43	0.01
2,4-D	8.63	8.64	8.54	8.74	0.01
2,4,5-TP(Silvex)	9.51	9.52	9.42	9.62	0.01
2,4,5-T	9.92	9.93	9.83	10.03	0.02
2,4-DB	10.47	10.49	10.39	10.59	0.02
Dinoseb	10.85	10.86	10.76	10.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL04 Date Analyzed: 05/22/2025

Lab Sample No.: HSTDCCC750 Data File : PS030359.D Time Analyzed: 20:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.126	9.033	9.233	725.300	712.500	1.8
2,4,5-TP(Silvex)	8.844	8.750	8.950	719.260	712.500	0.9
2,4-D	8.004	7.910	8.110	706.710	705.000	0.2
2,4-DB	9.683	9.589	9.789	763.910	712.500	7.2
2,4-DCAA	6.929	6.834	7.034	749.220	750.000	-0.1
DICAMBA	7.104	7.010	7.210	713.660	705.000	1.2
DICHLORPROP	7.784	7.689	7.889	706.330	705.000	0.2
Dinoseb	10.843	10.751	10.951	700.210	705.000	-0.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL04 Date Analyzed: 05/22/2025

Lab Sample No.: HSTDCCC750 Data File : PS030359.D Time Analyzed: 20:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
2,4,5-T	9.915	9.826	10.026	710.130	712.500	-0.3
2,4,5-TP(Silvex)	9.511	9.423	9.623	717.350	712.500	0.7
2,4-D	8.634	8.544	8.744	701.130	705.000	-0.5
2,4-DB	10.472	10.385	10.585	621.450	712.500	-12.8
2,4-DCAA	7.446	7.354	7.554	730.330	750.000	-2.6
DICAMBA	7.631	7.539	7.739	704.850	705.000	0.0
DICHLORPROP	8.322	8.232	8.432	681.030	705.000	-3.4
Dinoseb	10.846	10.758	10.958	679.350	705.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 00:54 Initial Calibration Time(s): 12:30 14:06

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
DICAMBA	7.10	7.11	7.01	7.21	0.01
2,4-DCAA	6.93	6.93	6.83	7.03	0.00
DICHLORPROP	7.78	7.79	7.69	7.89	0.01
2,4-D	8.00	8.01	7.91	8.11	0.01
2,4,5-TP(Silvex)	8.84	8.85	8.75	8.95	0.01
2,4,5-T	9.13	9.13	9.03	9.23	0.00
2,4-DB	9.68	9.69	9.59	9.79	0.01
Dinoseb	10.84	10.85	10.75	10.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

Continuing Calib Date: 05/23/2025 Initial Calibration Date(s): 05/12/2025 05/12/2025

Continuing Calib Time: 00:54 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	7.63	7.64	7.54	7.74	0.01
2,4-DCAA	7.45	7.45	7.35	7.55	0.00
DICHLORPROP	8.32	8.33	8.23	8.43	0.01
2,4-D	8.63	8.64	8.54	8.74	0.01
2,4,5-TP(Silvex)	9.51	9.52	9.42	9.62	0.01
2,4,5-T	9.92	9.93	9.83	10.03	0.02
2,4-DB	10.47	10.49	10.39	10.59	0.02
Dinoseb	10.85	10.86	10.76	10.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL05 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030369.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.126	9.033	9.233	734.260	712.500	3.1
2,4,5-TP(Silvex)	8.844	8.750	8.950	724.900	712.500	1.7
2,4-D	8.004	7.910	8.110	714.890	705.000	1.4
2,4-DB	9.683	9.589	9.789	778.330	712.500	9.2
2,4-DCAA	6.928	6.834	7.034	757.680	750.000	1.0
DICAMBA	7.104	7.010	7.210	721.180	705.000	2.3
DICHLORPROP	7.784	7.689	7.889	710.980	705.000	0.8
Dinoseb	10.843	10.751	10.951	706.700	705.000	0.2

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG NO.: Q2074

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

Client Sample No.: CCAL05 Date Analyzed: 05/23/2025

Lab Sample No.: HSTDCCC750 Data File : PS030369.D Time Analyzed: 00:54

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
2,4,5-T	9.915	9.826	10.026	724.630	712.500	1.7
2,4,5-TP(Silvex)	9.512	9.423	9.623	729.650	712.500	2.4
2,4-D	8.634	8.544	8.744	712.970	705.000	1.1
2,4-DB	10.473	10.385	10.585	623.400	712.500	-12.5
2,4-DCAA	7.446	7.354	7.554	738.500	750.000	-1.5
DICAMBA	7.631	7.539	7.739	716.590	705.000	1.6
DICHLORPROP	8.323	8.232	8.432	691.600	705.000	-1.9
Dinoseb	10.846	10.758	10.958	703.860	705.000	-0.2

Analytical Sequence

Client: CDM Smith	SDG No.: Q2074
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	05/21/2025	10:21	PS030313.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/21/2025	15:25	PS030314.D	6.93	0.00
PB168097BL	PB168097BL	05/21/2025	16:32	PS030315.D	6.93	0.00
PB168097BS	PB168097BS	05/21/2025	16:56	PS030316.D	6.93	0.00
IBLK	IBLK	05/21/2025	19:44	PS030323.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/21/2025	20:32	PS030324.D	6.93	0.00
L1-WC-7MS	Q2071-01MS	05/21/2025	22:09	PS030326.D	6.93	0.00
L1-WC-7MSD	Q2071-01MSD	05/21/2025	22:33	PS030327.D	6.93	0.00
IBLK	IBLK	05/22/2025	00:57	PS030333.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/22/2025	01:45	PS030334.D	6.93	0.00
IBLK	IBLK	05/22/2025	20:05	PS030358.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/22/2025	20:29	PS030359.D	6.93	0.00
TP-12	Q2074-01	05/22/2025	21:17	PS030360.D	6.93	0.00
TP-7	Q2074-02	05/22/2025	21:41	PS030361.D	6.93	0.00
TP-15	Q2074-03	05/22/2025	22:05	PS030362.D	6.93	0.00
TP-20	Q2074-04	05/22/2025	22:29	PS030363.D	6.93	0.00
TP-38	Q2074-05	05/22/2025	22:53	PS030364.D	6.93	0.00
TP-19	Q2074-06	05/22/2025	23:17	PS030365.D	6.93	0.00
TP-40	Q2074-07	05/22/2025	23:41	PS030366.D	6.93	0.00
TP-18	Q2074-08	05/23/2025	00:05	PS030367.D	6.93	0.00
IBLK	IBLK	05/23/2025	00:29	PS030368.D	6.93	0.00
HSTDCCC750	HSTDCCC750	05/23/2025	00:54	PS030369.D	6.93	0.00

Analytical Sequence

Client: CDM Smith	SDG No.: Q2074
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	05/21/2025	10:21	PS030313.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/21/2025	15:25	PS030314.D	7.44	0.00
PB168097BL	PB168097BL	05/21/2025	16:32	PS030315.D	7.44	0.00
PB168097BS	PB168097BS	05/21/2025	16:56	PS030316.D	7.45	0.00
IBLK	IBLK	05/21/2025	19:44	PS030323.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/21/2025	20:32	PS030324.D	7.45	0.00
L1-WC-7MS	Q2071-01MS	05/21/2025	22:09	PS030326.D	7.45	0.00
L1-WC-7MSD	Q2071-01MSD	05/21/2025	22:33	PS030327.D	7.45	0.00
IBLK	IBLK	05/22/2025	00:57	PS030333.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/22/2025	01:45	PS030334.D	7.45	0.00
IBLK	IBLK	05/22/2025	20:05	PS030358.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/22/2025	20:29	PS030359.D	7.45	0.00
TP-12	Q2074-01	05/22/2025	21:17	PS030360.D	7.45	0.00
TP-7	Q2074-02	05/22/2025	21:41	PS030361.D	7.45	0.00
TP-15	Q2074-03	05/22/2025	22:05	PS030362.D	7.44	0.00
TP-20	Q2074-04	05/22/2025	22:29	PS030363.D	7.44	0.00
TP-38	Q2074-05	05/22/2025	22:53	PS030364.D	7.45	0.00
TP-19	Q2074-06	05/22/2025	23:17	PS030365.D	7.45	0.00
TP-40	Q2074-07	05/22/2025	23:41	PS030366.D	7.45	0.00
TP-18	Q2074-08	05/23/2025	00:05	PS030367.D	7.45	0.00
IBLK	IBLK	05/23/2025	00:29	PS030368.D	7.45	0.00
HSTDCCC750	HSTDCCC750	05/23/2025	00:54	PS030369.D	7.45	0.00

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

L1-WC-7MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab Sample ID: Q2071-01MS

Date(s) Analyzed: 05/21/2025 05/21/2025

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	164	4.4
	2	8.32	8.27	8.37	157	
2,4-D	1	8.00	7.95	8.05	188	7.2
	2	8.64	8.59	8.69	175	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	159	3.7
	2	9.51	9.46	9.56	165	
2,4,5-T	1	9.13	9.08	9.18	158	0.6
	2	9.92	9.87	9.97	157	
2,4-DB	1	9.69	9.64	9.74	198	38.6
	2	10.47	10.42	10.52	134	
Dinoseb	1	10.85	10.80	10.90	16.4	26.2
	2	10.84	10.79	10.89	12.6	
DICAMBA	1	7.11	7.06	7.16	150	0.7
	2	7.63	7.58	7.68	149	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

L1-WC-7MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab Sample ID: Q2071-01MSD

Date(s) Analyzed: 05/21/2025 05/21/2025

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	165	5
	2	8.32	8.27	8.37	157	
2,4-D	1	8.01	7.96	8.06	189	7.1
	2	8.64	8.59	8.69	176	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	161	3.7
	2	9.51	9.46	9.56	167	
2,4,5-T	1	9.13	9.08	9.18	160	1.3
	2	9.92	9.87	9.97	158	
2,4-DB	1	9.69	9.64	9.74	198	18.2
	2	10.47	10.42	10.52	165	
DICAMBA	1	7.11	7.06	7.16	151	0.7
	2	7.63	7.58	7.68	150	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168097BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2074

SAS No.: Q2074 SDG NO.: Q2074

Lab Sample ID: PB168097BS

Date(s) Analyzed: 05/21/2025 05/21/2025

Instrument ID (1): ECD_S

Instrument ID (2): ECD_S

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
2,4,5-T	1	9.13	9.08	9.18	172	5.4
	2	9.92	9.87	9.97	163	
2,4,5-TP(Silvex)	1	8.85	8.80	8.90	171	4.2
	2	9.51	9.46	9.56	164	
2,4-D	1	8.01	7.96	8.06	168	4.3
	2	8.64	8.59	8.69	161	
2,4-DB	1	9.69	9.64	9.74	178	23.9
	2	10.47	10.42	10.52	140	
DICHLORPROP	1	7.79	7.74	7.84	167	6.2
	2	8.32	8.27	8.37	157	
Dinoseb	1	10.85	10.80	10.90	169	5.5
	2	10.85	10.80	10.90	160	
DICAMBA	1	7.11	7.06	7.16	169	6.1
	2	7.63	7.58	7.68	159	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 21:17
 Operator : AR\AJ
 Sample : Q2074-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-12

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:44:46 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	6.928	7.445	903.3E6	232.0E6	317.206	289.971m
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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\PS052225\
Data File : PS030360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 21:17
Operator : AR\AJ
Sample : Q2074-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

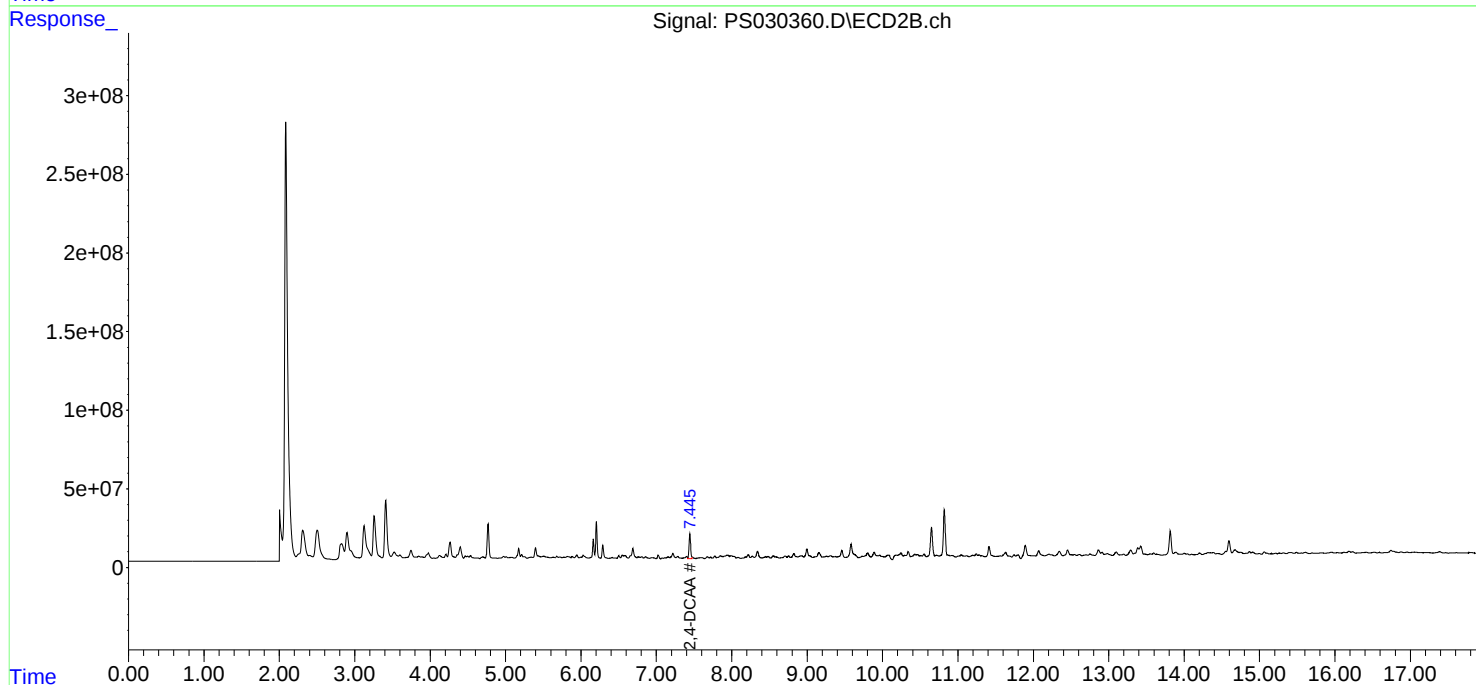
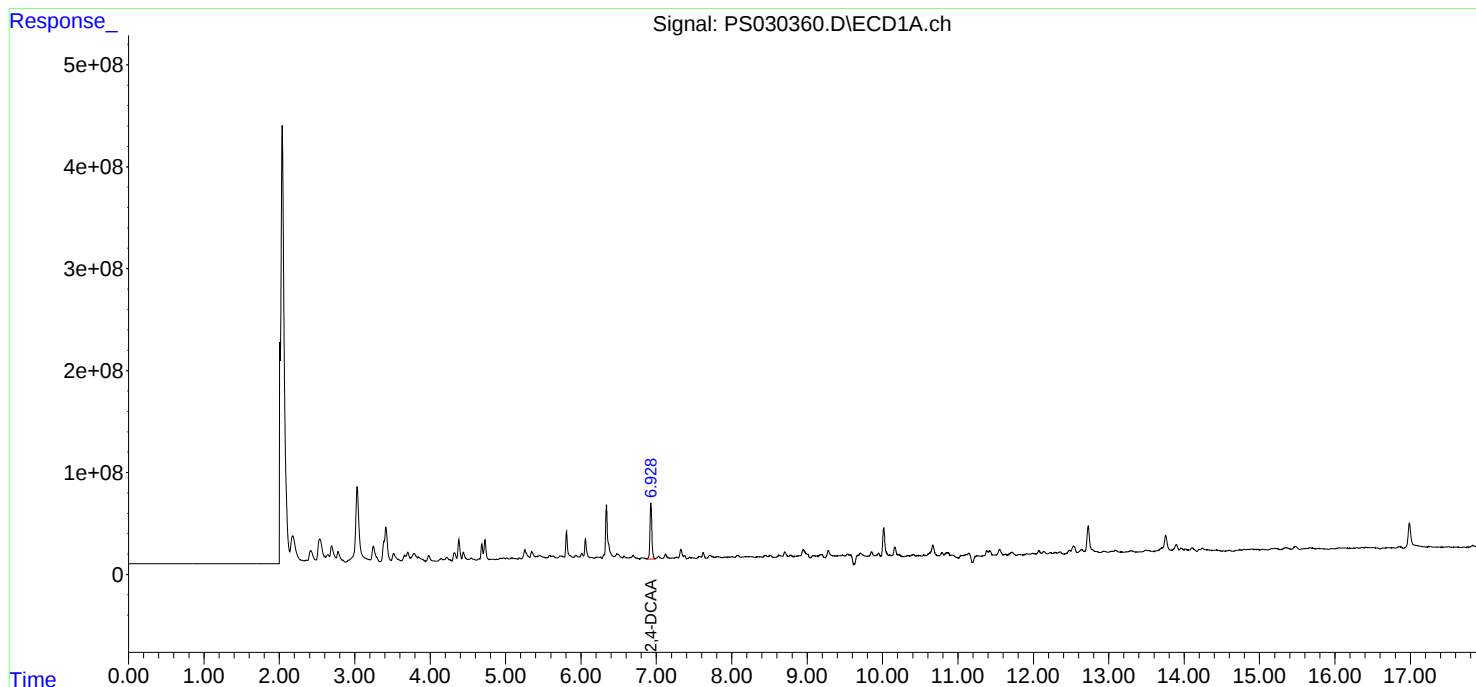
Instrument :
ECD_S
ClientSampleId :
TP-12

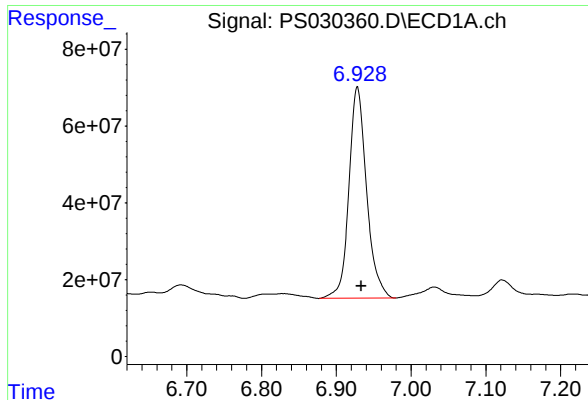
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:44:46 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





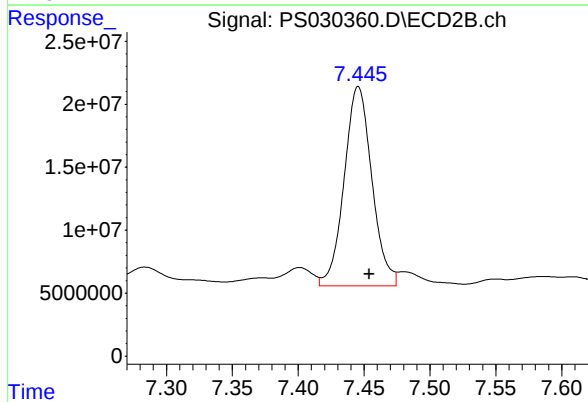
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.005 min
Response: 903342658
Conc: 317.21 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-12

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#4 2,4-DCAA

R.T.: 7.445 min
Delta R.T.: -0.009 min
Response: 232036211
Conc: 289.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 21:41
 Operator : AR\AJ
 Sample : Q2074-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-7

A
B
C
D
E
F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:45:08 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	7.446	920.5E6	216.6E6	323.216	270.681

Target Compounds

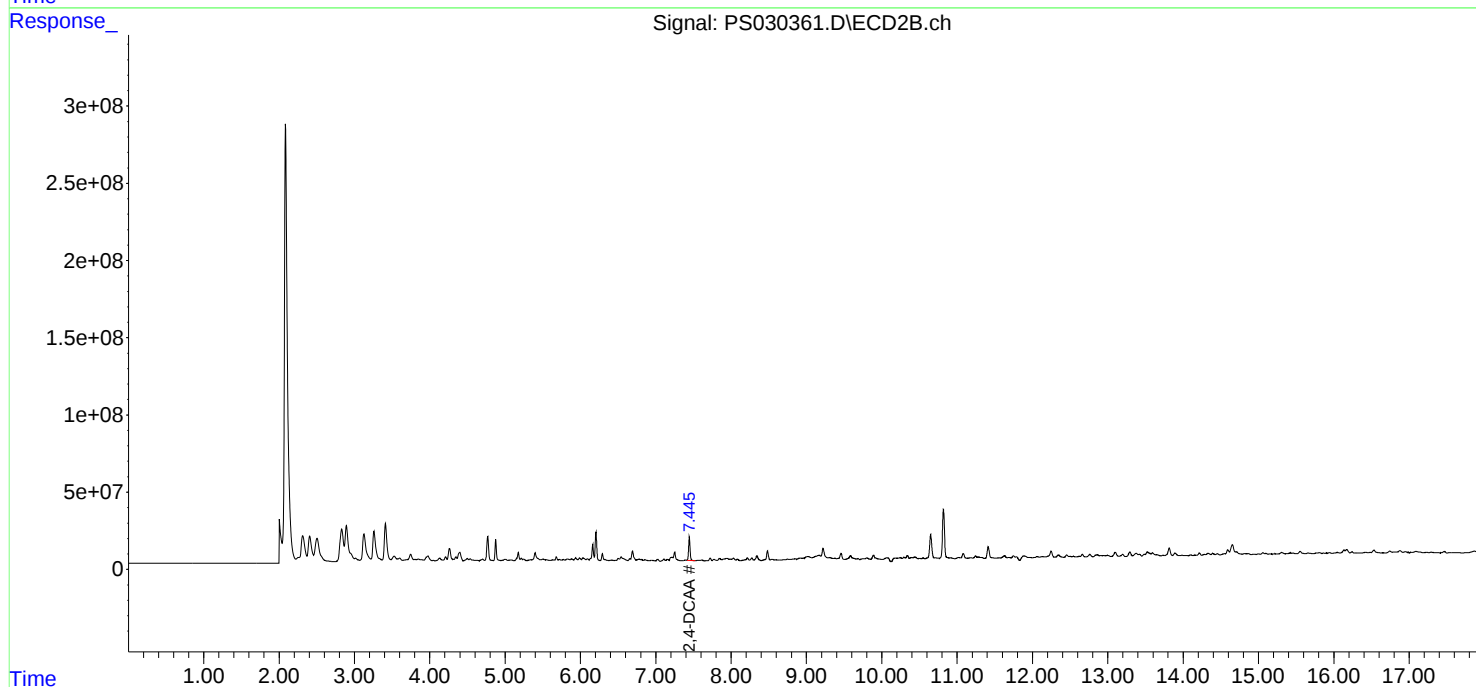
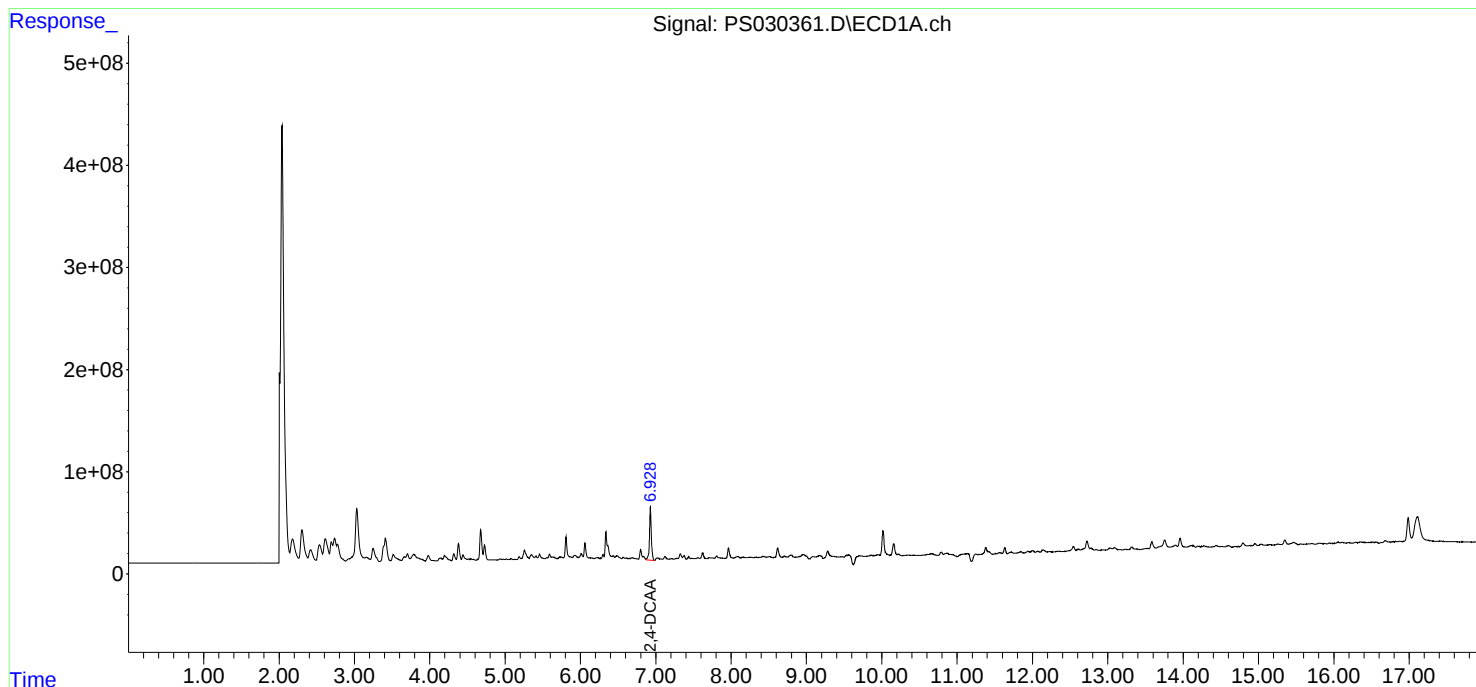
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

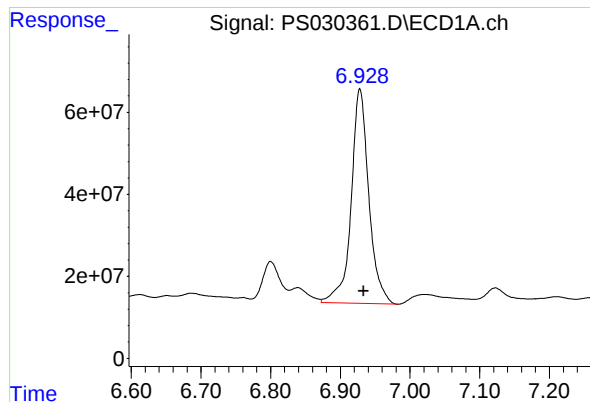
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 21:41
Operator : AR\AJ
Sample : Q2074-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-7

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:45:08 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.: -0.005 min

Response: 920456079

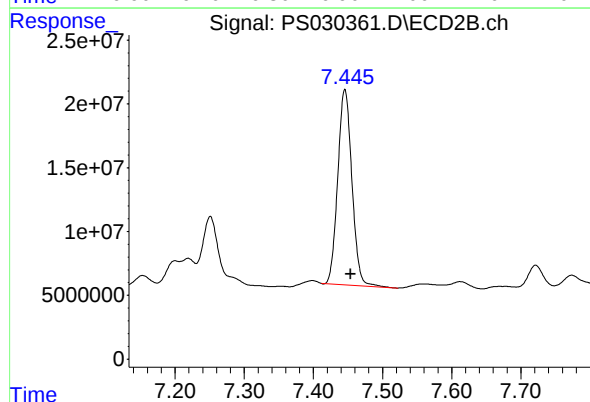
Conc: 323.22 ng/ml

Instrument :

ECD_S

ClientSampleId :

TP-7



#4 2,4-DCAA

R.T.: 7.446 min

Delta R.T.: -0.008 min

Response: 216599692

Conc: 270.68 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 22:05
 Operator : AR\AJ
 Sample : Q2074-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-15

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:01:42 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	6.927	7.444	954.7E6	253.4E6	335.231	316.716m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
Data File : PS030362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 22:05
Operator : AR\AJ
Sample : Q2074-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

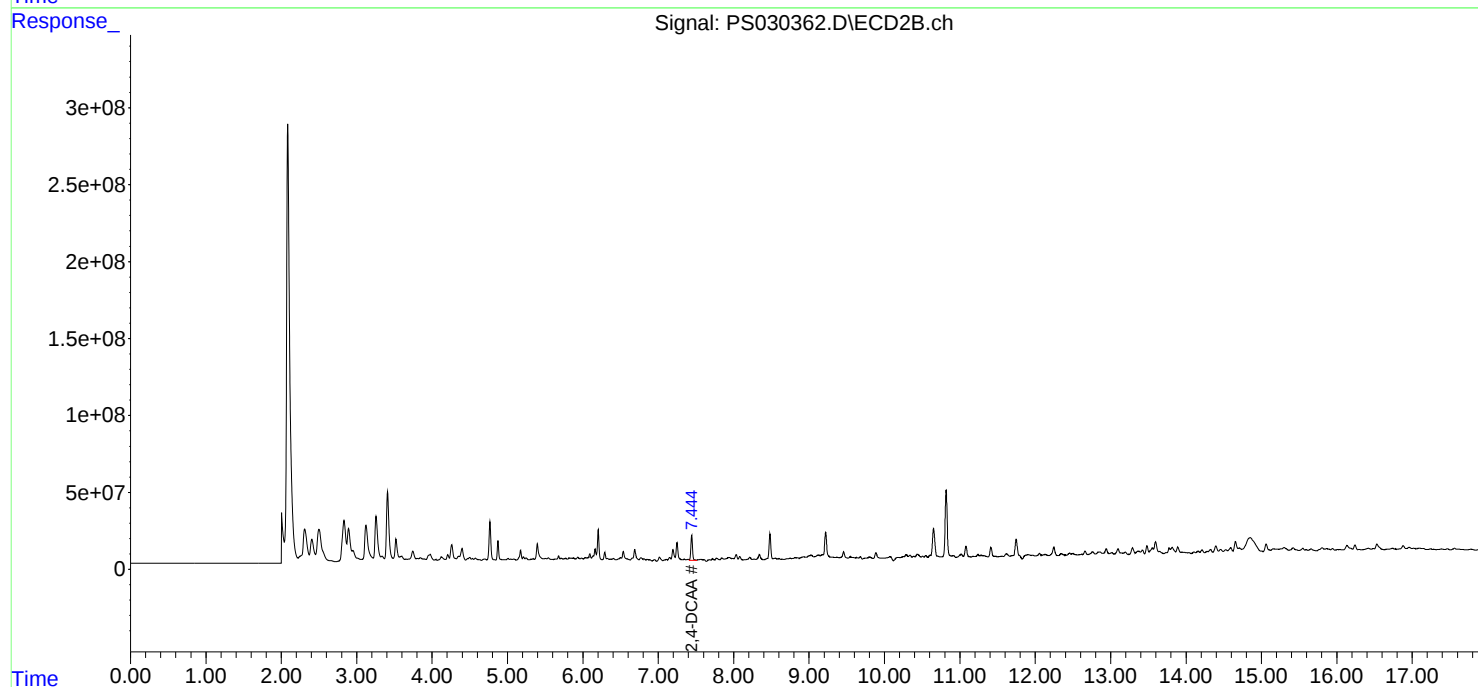
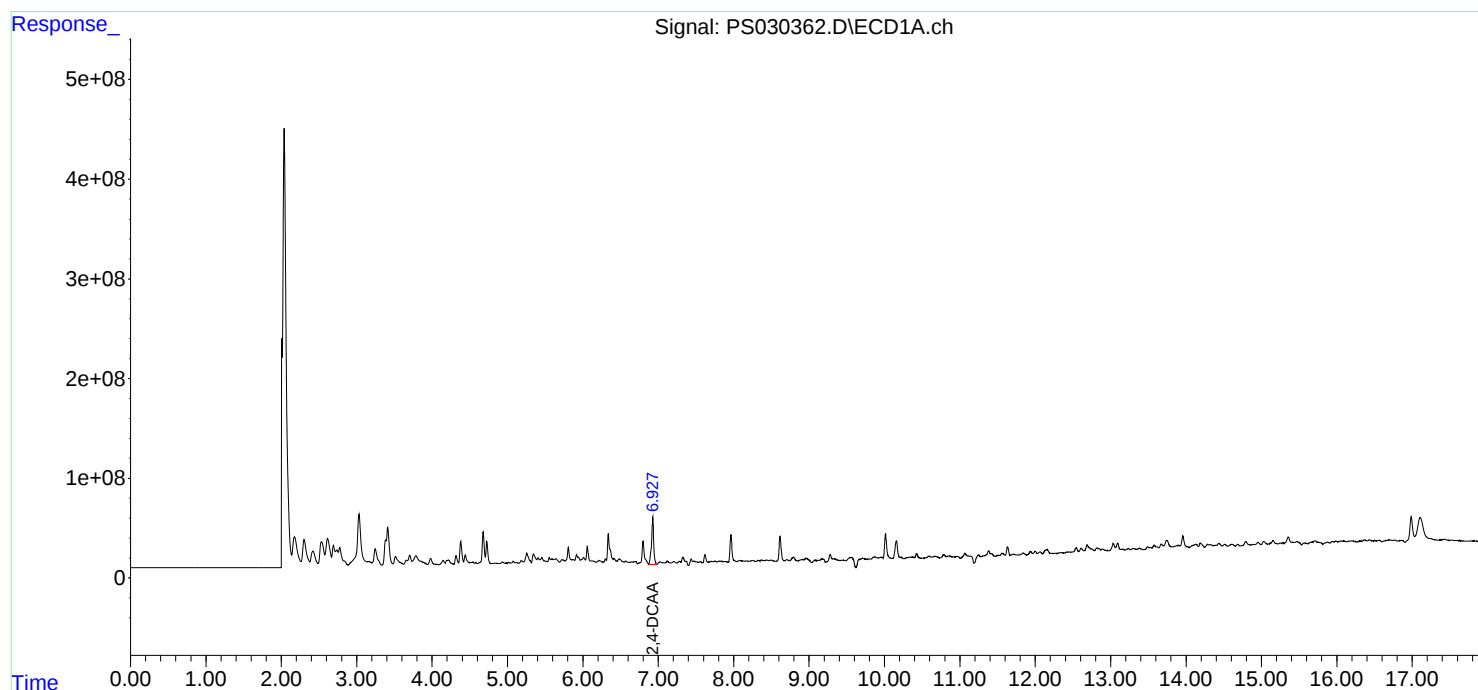
Instrument :
ECD_S
ClientSampleId :
TP-15

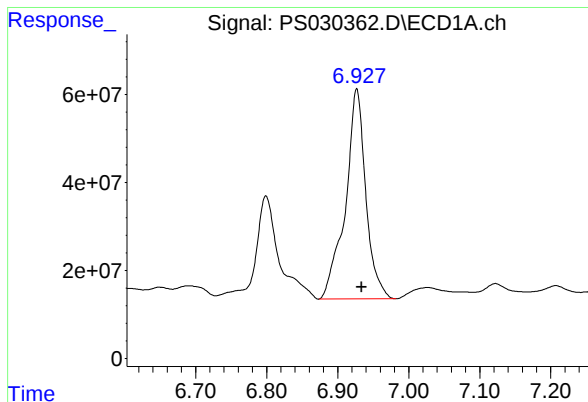
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:01:42 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





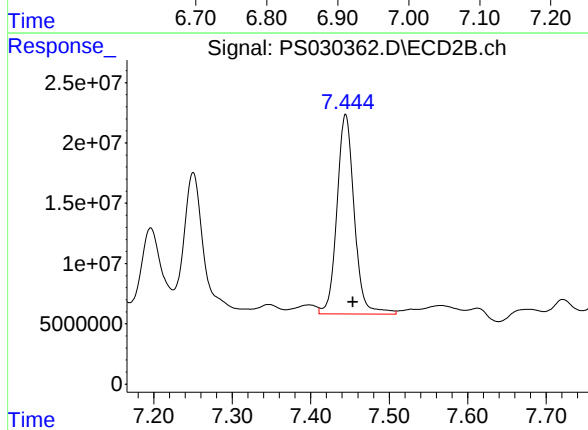
#4 2,4-DCAA

R.T.: 6.927 min
Delta R.T.: -0.007 min
Response: 954674616
Conc: 335.23 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-15

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#4 2,4-DCAA

R.T.: 7.444 min
Delta R.T.: -0.010 min
Response: 253437148
Conc: 316.72 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030363.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 22:29
 Operator : AR\AJ
 Sample : Q2074-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-20

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:01:52 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	7.444	982.2E6	244.0E6	344.884	304.894m

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 : PS030363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 22:29
Operator : AR\AJ
Sample : Q2074-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

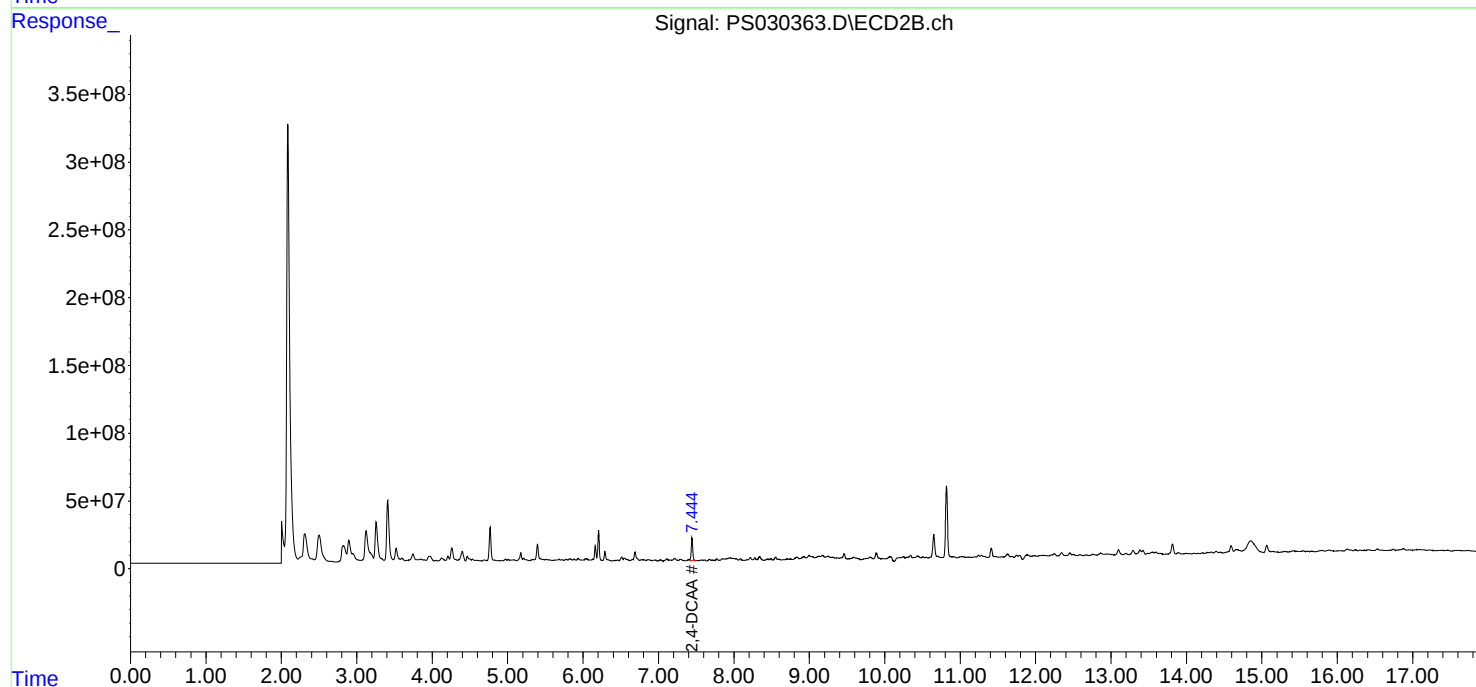
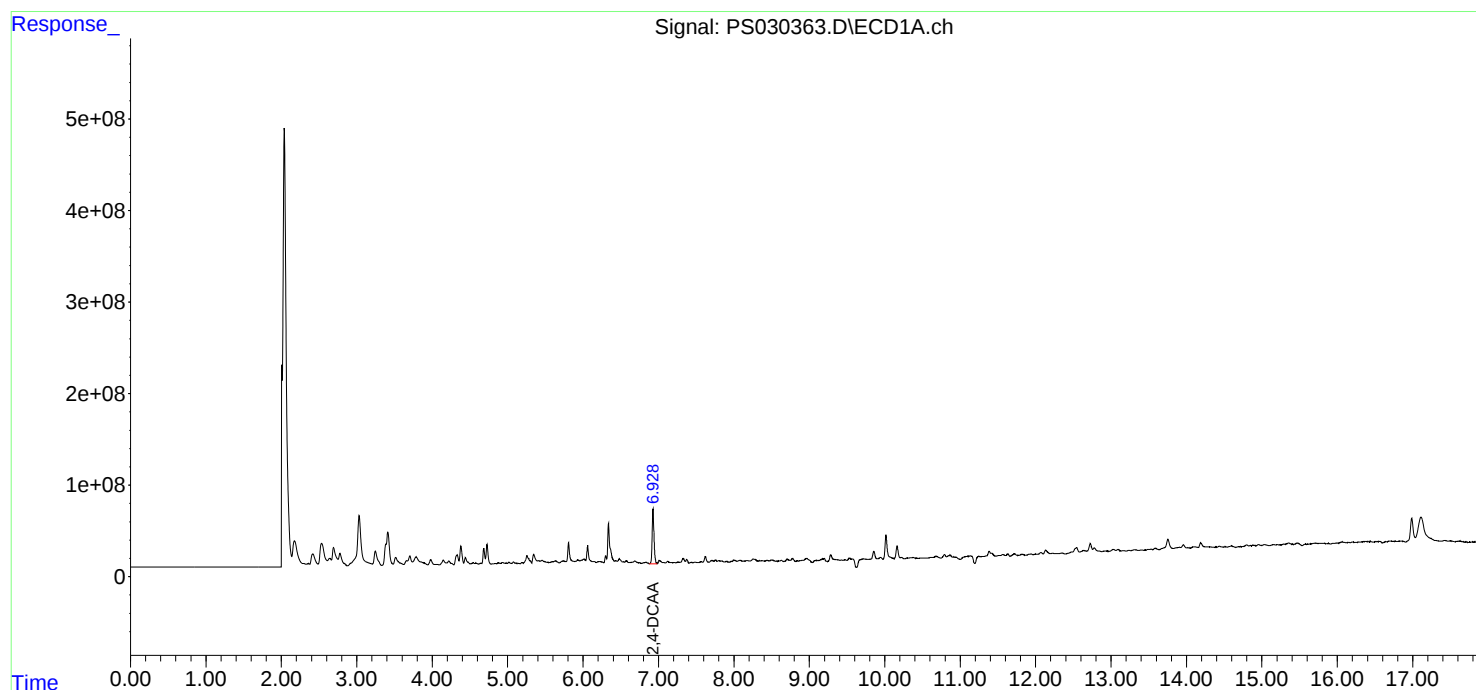
Instrument :
ECD_S
ClientSampleId :
TP-20

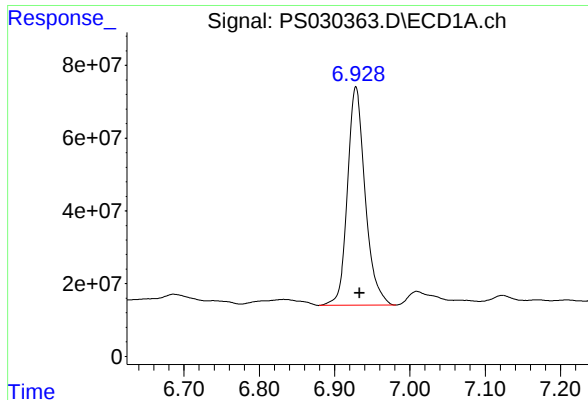
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:01:52 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





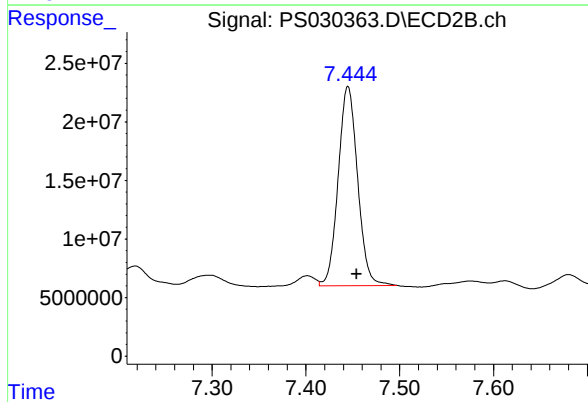
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.005 min
Response: 982162950
Conc: 344.88 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-20

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#4 2,4-DCAA

R.T.: 7.444 min
Delta R.T.: -0.009 min
Response: 243977544
Conc: 304.89 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030364.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 22:53
 Operator : AR\AJ
 Sample : Q2074-05
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-38

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:02:03 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	7.446	1064.6E6	274.4E6	373.827	342.882

Target Compounds

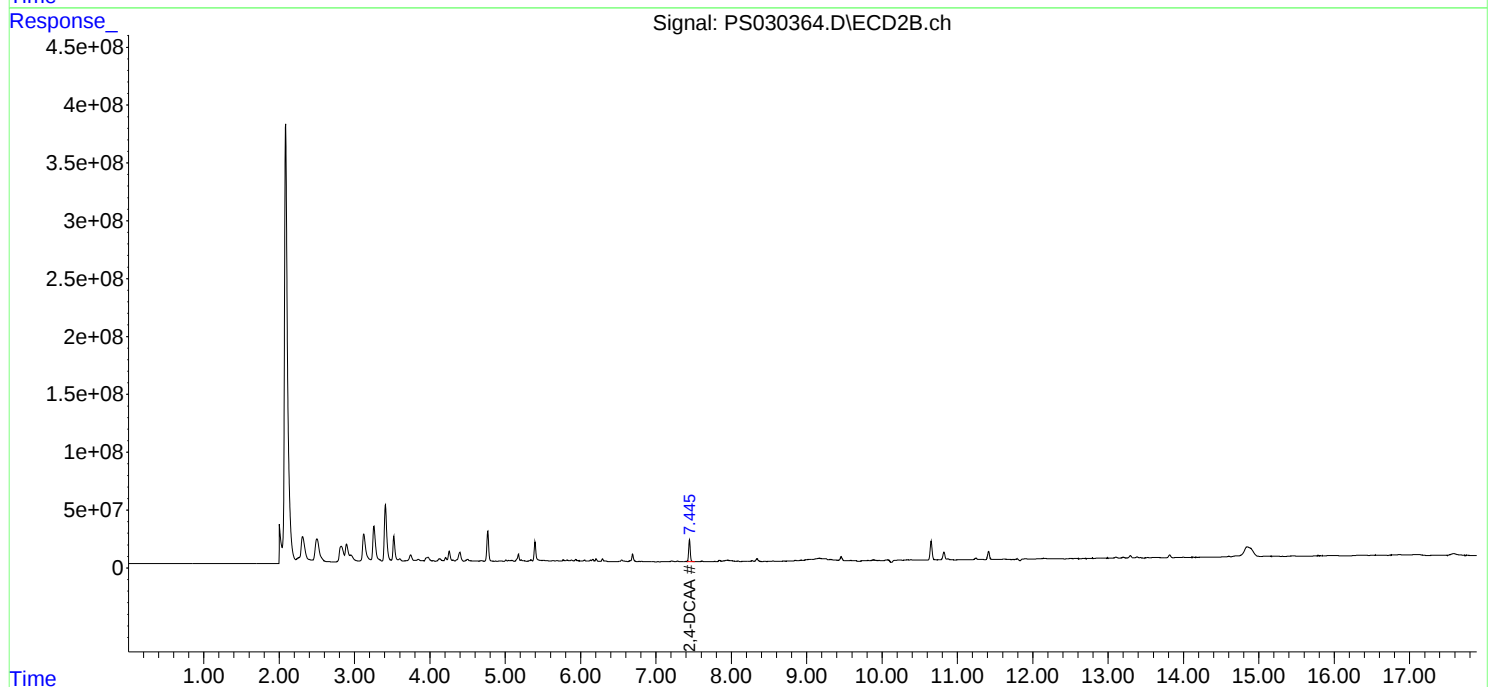
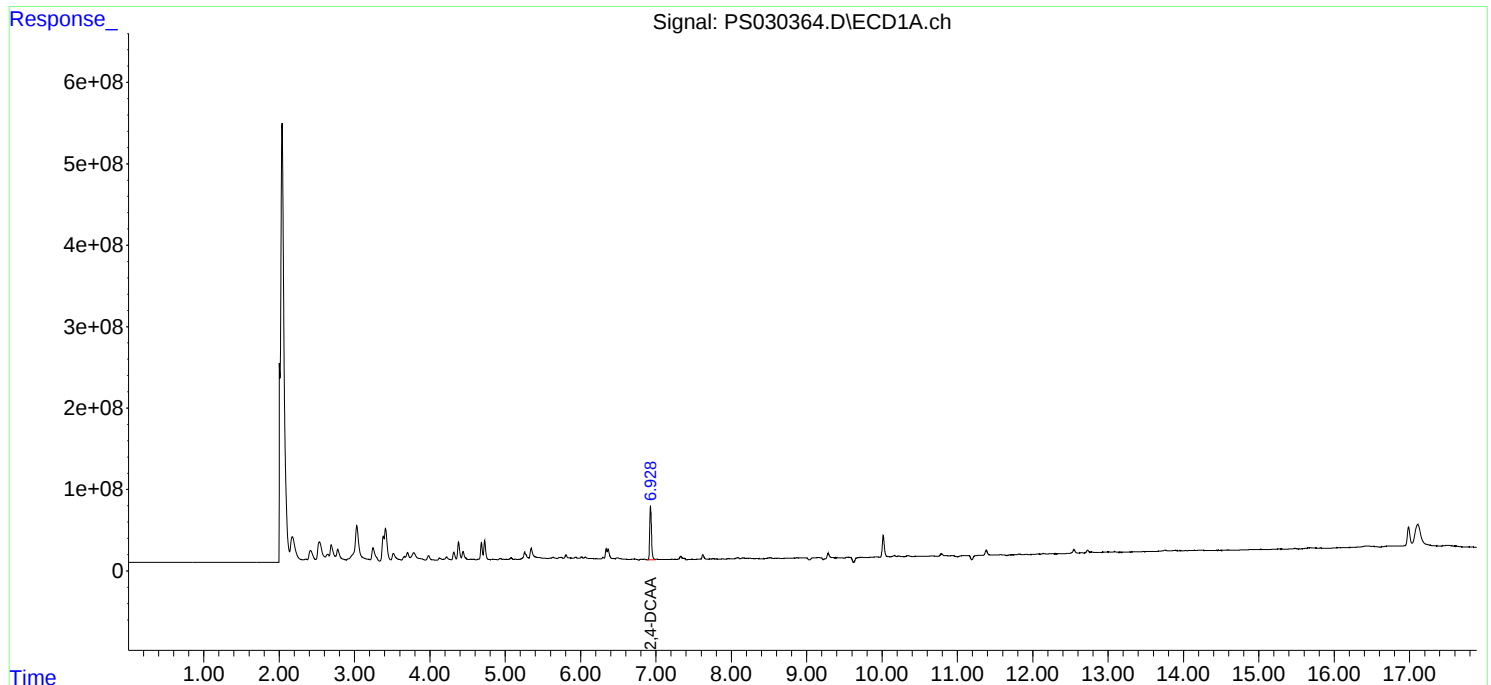
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

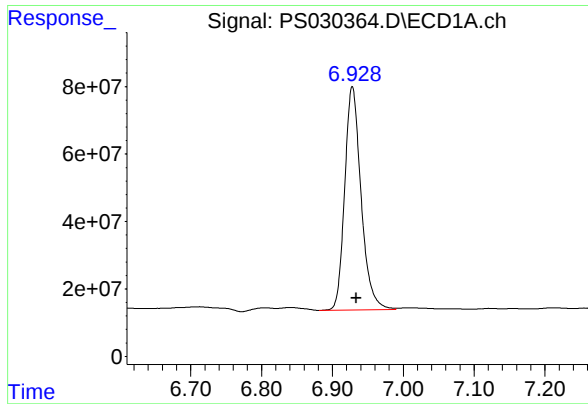
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 22:53
Operator : AR\AJ
Sample : Q2074-05
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-38

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:02:03 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

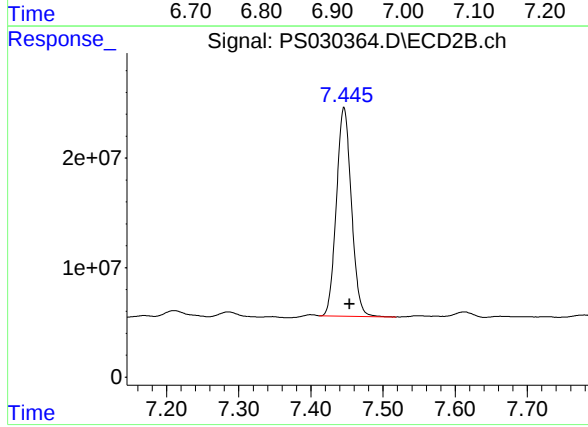




#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.005 min
Response: 1064588108
Conc: 373.83 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-38



#4 2,4-DCAA

R.T.: 7.446 min
Delta R.T.: -0.008 min
Response: 274375156
Conc: 342.88 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 23:17
 Operator : AR\AJ
 Sample : Q2074-06
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-19

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:02:13 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	6.928	7.446	1001.2E6	248.4E6	351.559	310.370
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Target Compounds

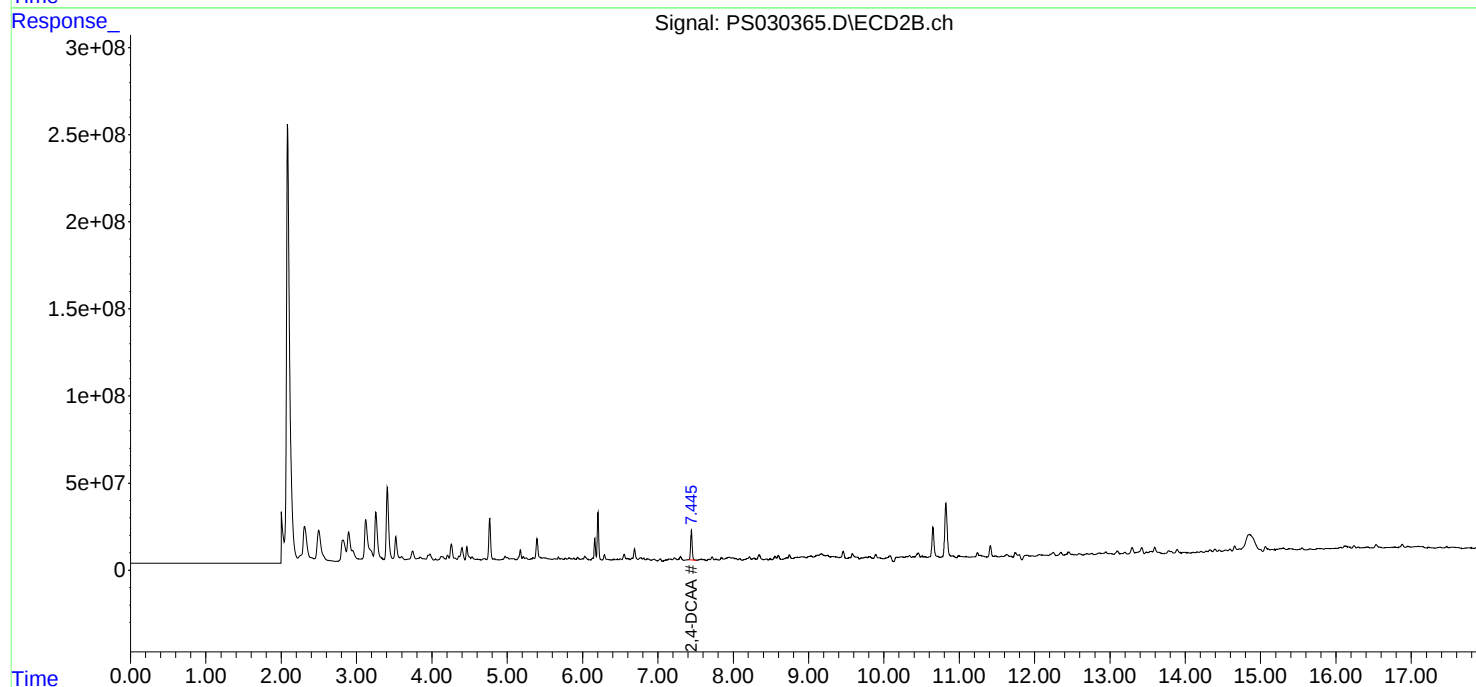
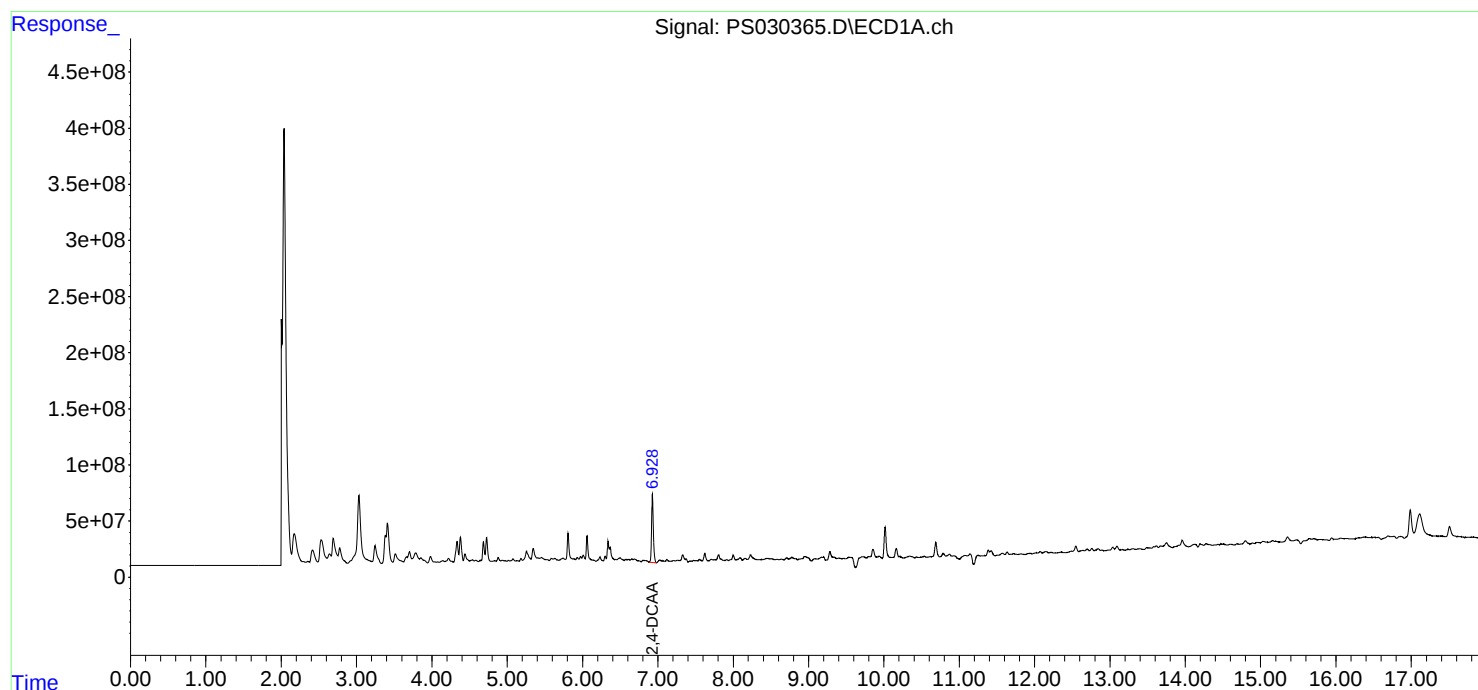
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

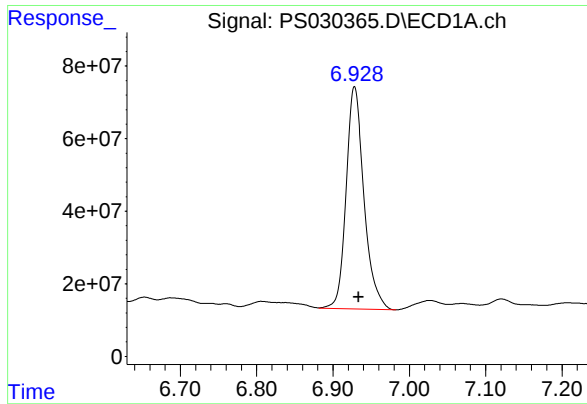
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
Data File : PS030365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 23:17
Operator : AR\AJ
Sample : Q2074-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
TP-19

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:02:13 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

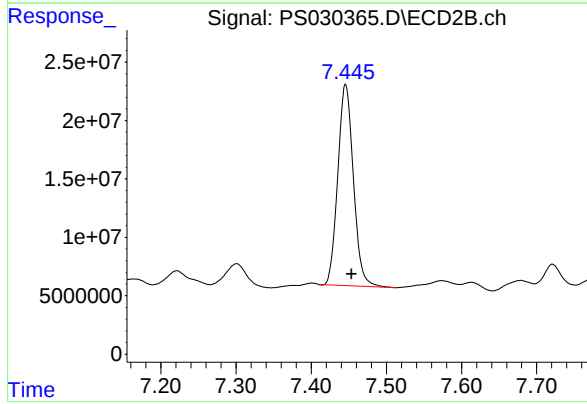




#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.005 min
Response: 1001171620
Conc: 351.56 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-19



#4 2,4-DCAA

R.T.: 7.446 min
Delta R.T.: -0.008 min
Response: 248359290
Conc: 310.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 23:41
 Operator : AR\AJ
 Sample : Q2074-07
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-40

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:02:24 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	7.445	796.5E6	191.3E6	279.672	239.040m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
Data File : PS030366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 23:41
Operator : AR\AJ
Sample : Q2074-07
Misc :
ALS Vial : 28 Sample Multiplier: 1

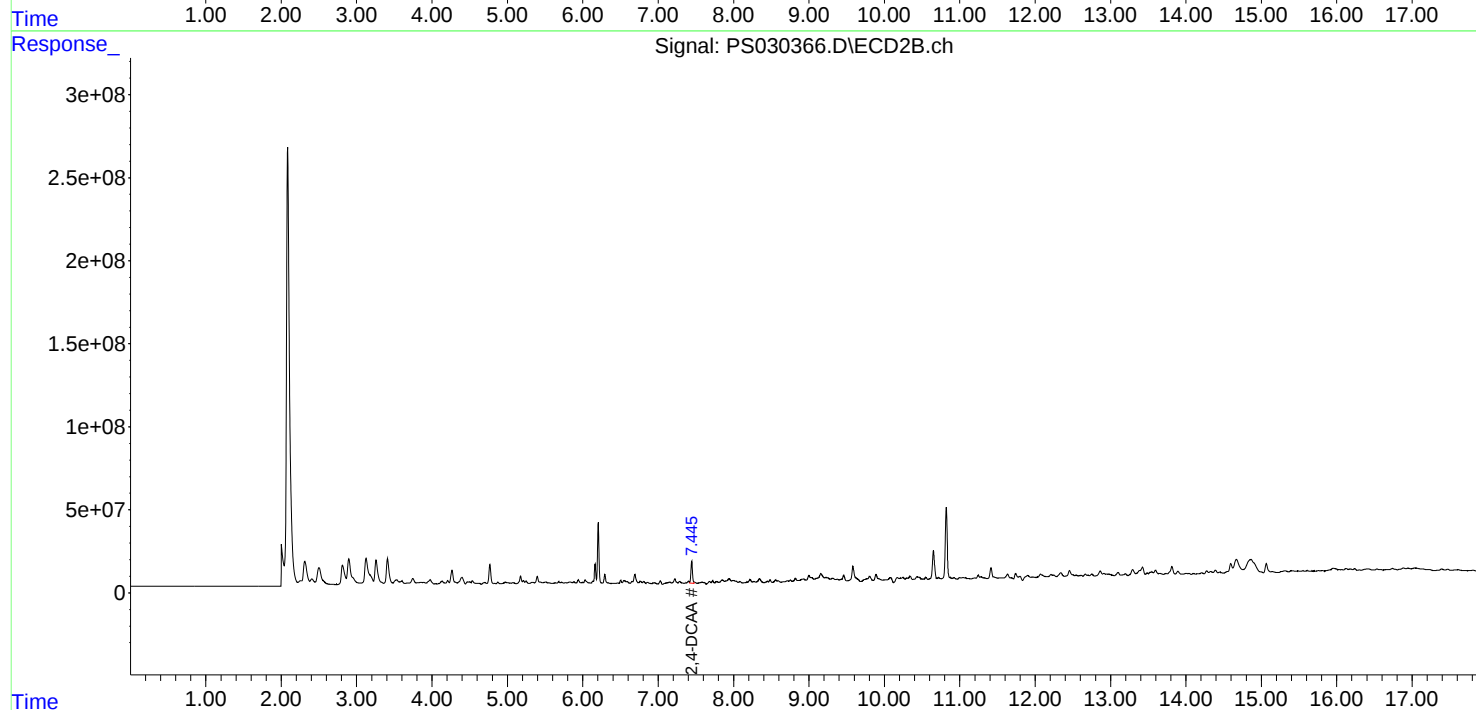
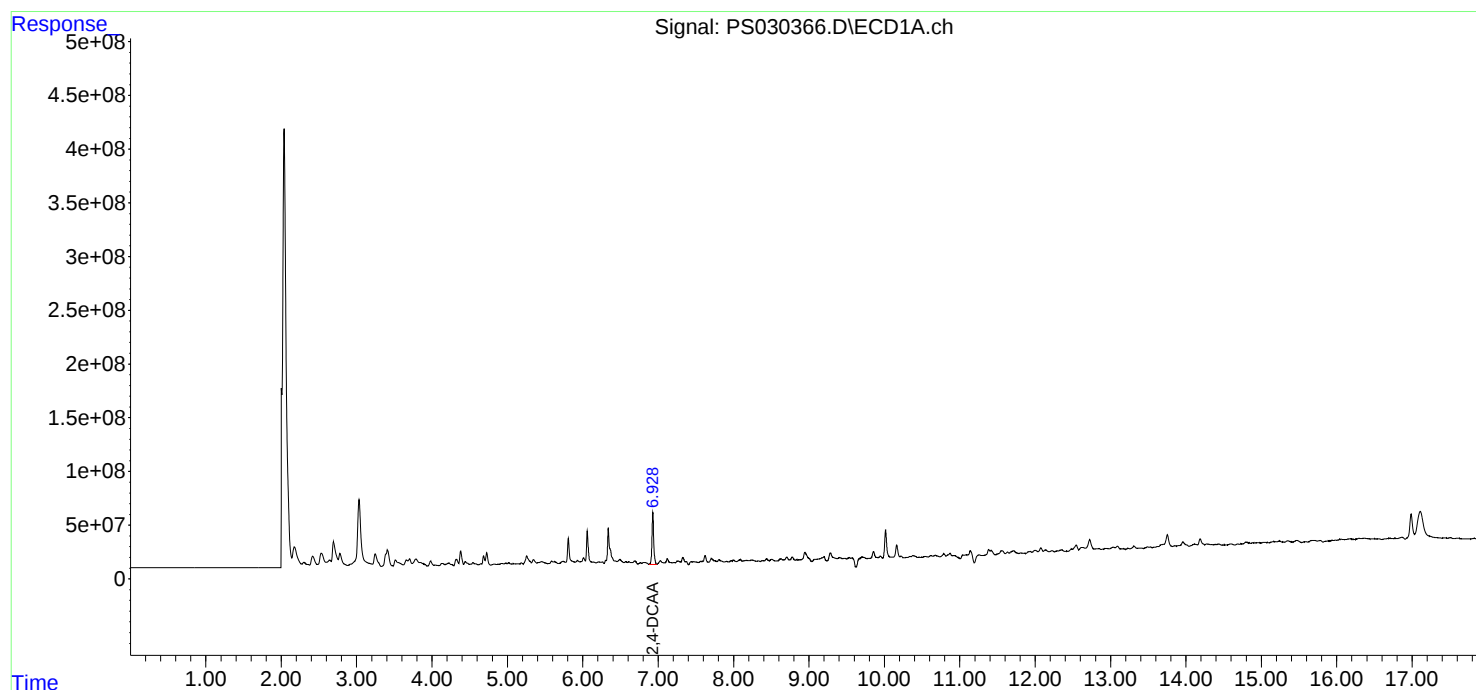
Instrument :
ECD_S
ClientSampleId :
TP-40

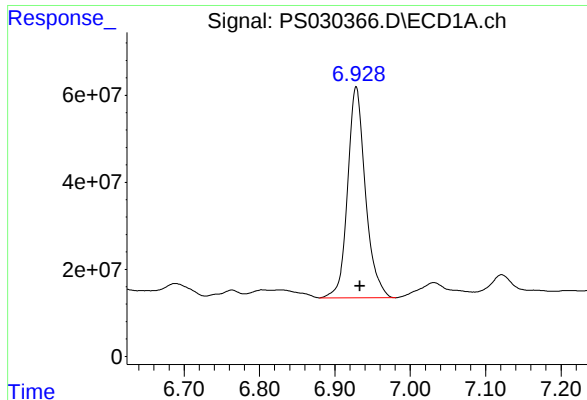
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:02:24 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





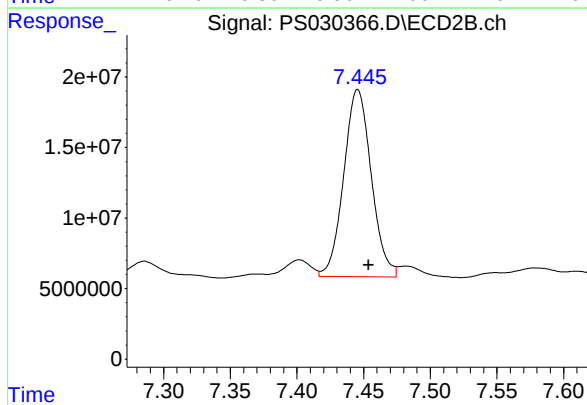
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.005 min
Response: 796453009
Conc: 279.67 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-40

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#4 2,4-DCAA

R.T.: 7.445 min
Delta R.T.: -0.009 min
Response: 191280543
Conc: 239.04 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
 Data File : PS030367.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 May 2025 00:05
 Operator : AR\AJ
 Sample : Q2074-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_S
 ClientSampleId :
 TP-18

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 05/23/2025
 Supervised By :mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 23 02:02:35 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	7.445	924.0E6	237.7E6	324.445	296.994m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052225\
Data File : PS030367.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 May 2025 00:05
Operator : AR\AJ
Sample : Q2074-08
Misc :
ALS Vial : 29 Sample Multiplier: 1

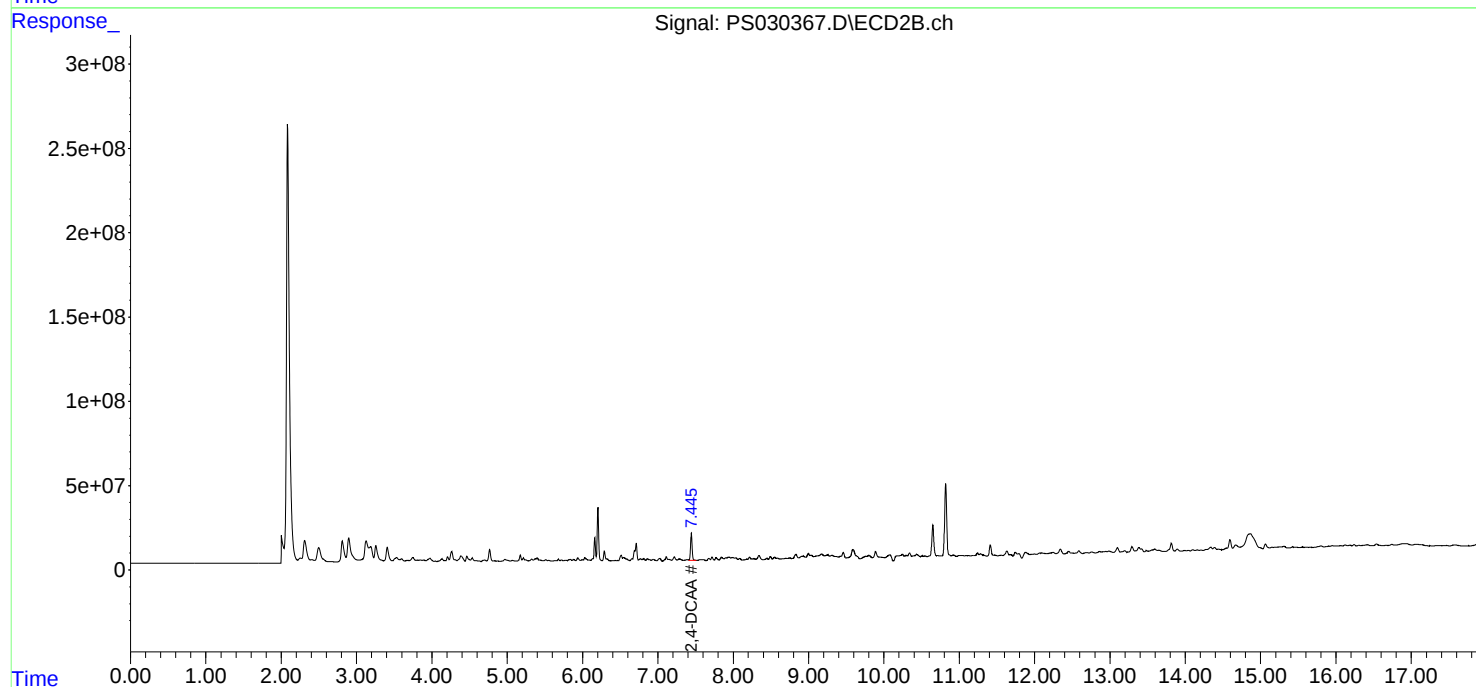
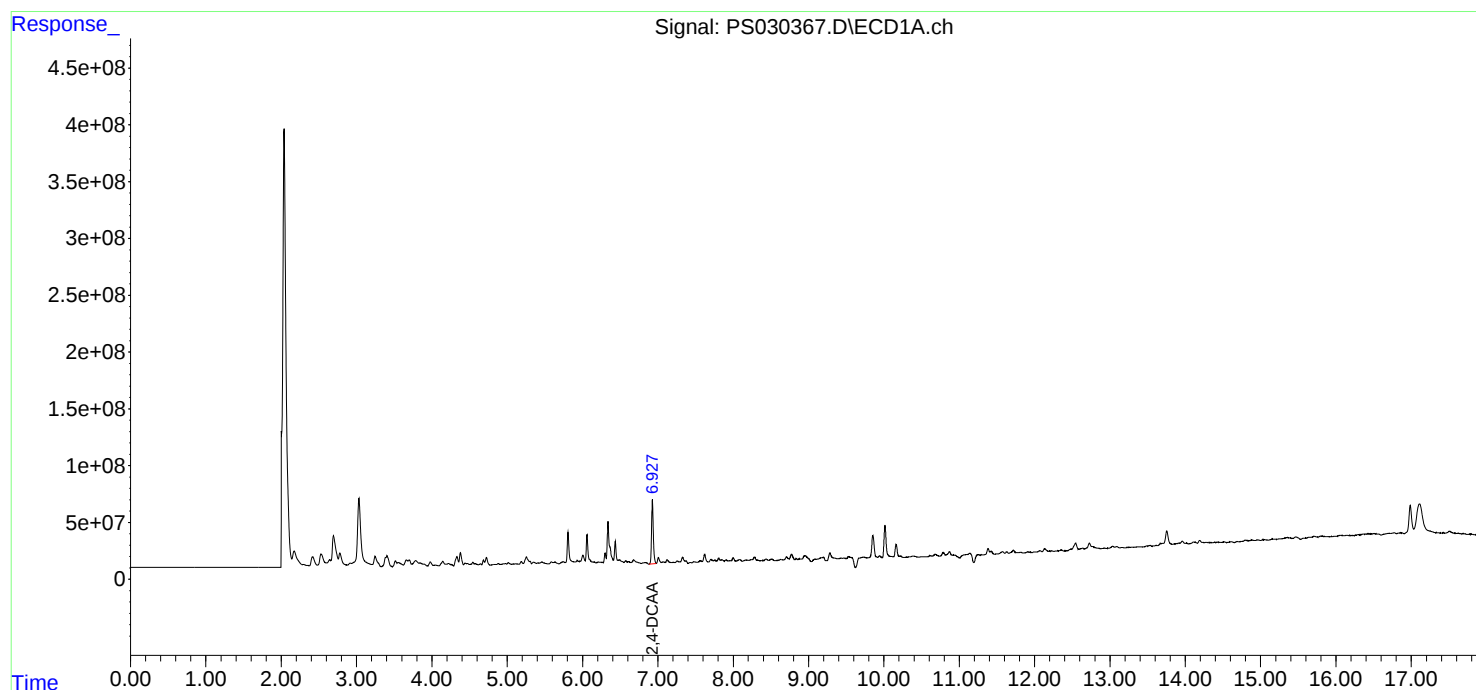
Instrument :
ECD_S
ClientSampleId :
TP-18

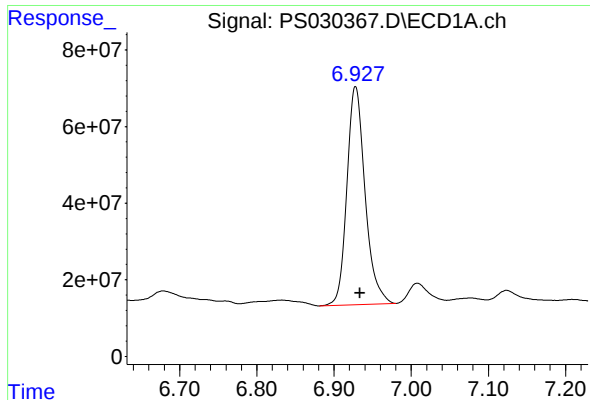
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/23/2025
Supervised By : mohammad ahmed 05/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 23 02:02:35 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





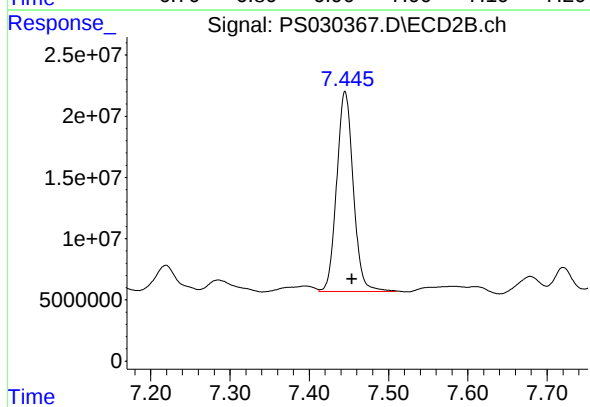
#4 2,4-DCAA

R.T.: 6.928 min
Delta R.T.: -0.006 min
Response: 923957306
Conc: 324.45 ng/ml

Instrument :
ECD_S
ClientSampleId :
TP-18

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/24/2025



#4 2,4-DCAA

R.T.: 7.445 min
Delta R.T.: -0.009 min
Response: 237655350
Conc: 296.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
Data File : PS030315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 16:32
Operator : AR\AJ
Sample : PB168097BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_S
ClientSampleId :
PB168097BL

A
B
C
D
E
F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:52:26 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	6.929	7.442	1188.7E6	286.0E6	417.392	357.366

Target Compounds

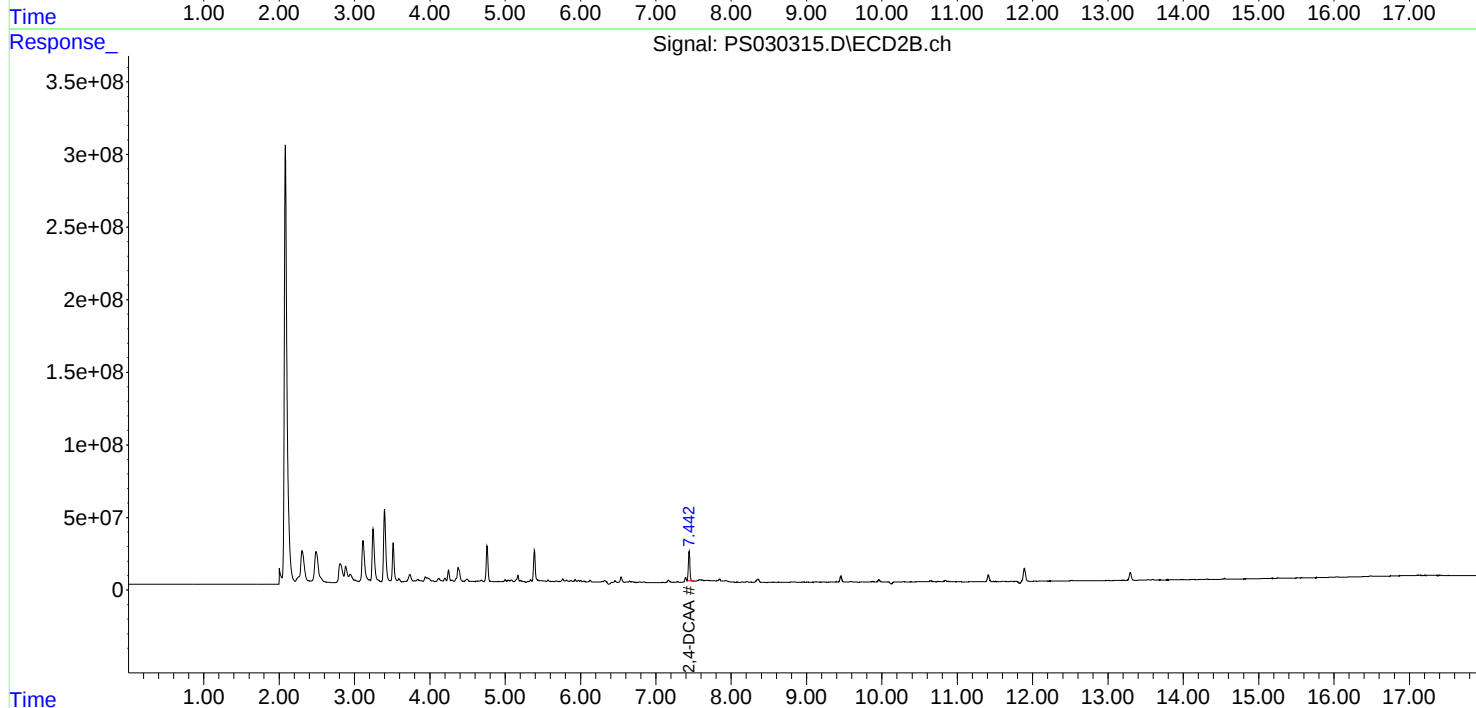
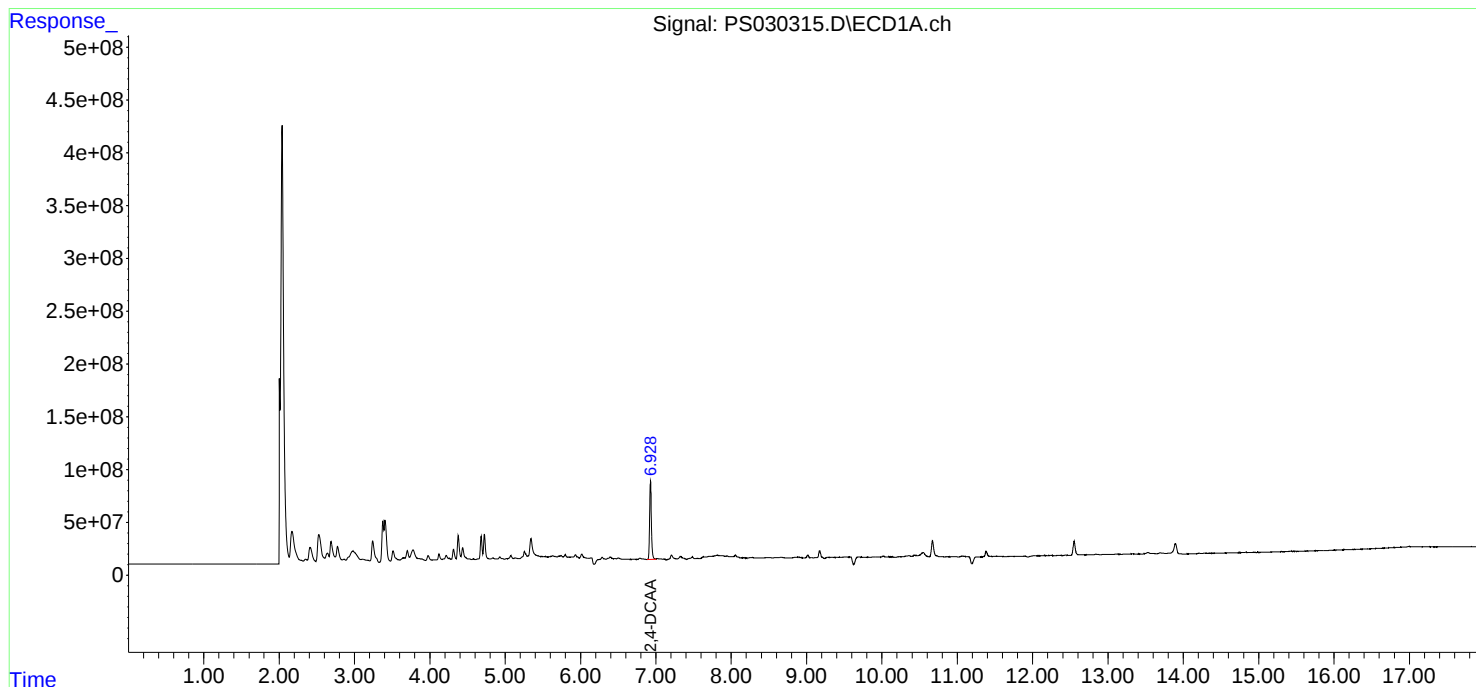
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS052125\
Data File : PS030315.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 16:32
Operator : AR\AJ
Sample : PB168097BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

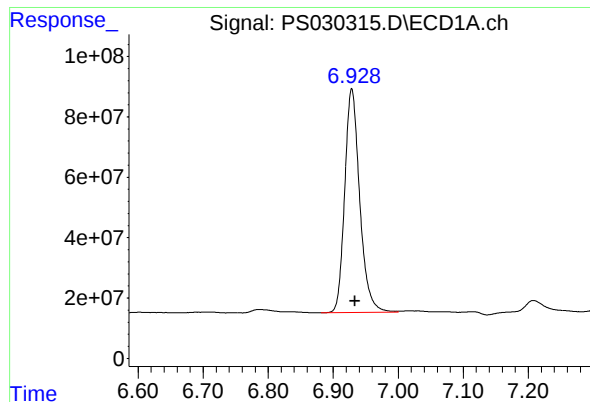
Instrument :
ECD_S
ClientSampleId :
PB168097BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:52:26 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



Time



#4 2,4-DCAA

R.T.: 6.929 min

Delta R.T.: -0.005 min

Response: 1188652017

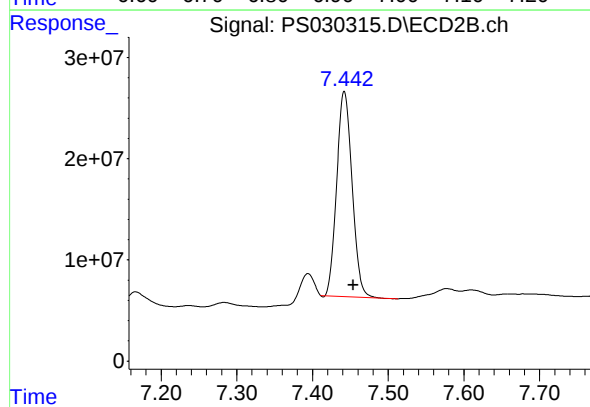
Conc: 417.39 ng/ml

Instrument :

ECD_S

ClientSampleId :

PB168097BL



#4 2,4-DCAA

R.T.: 7.442 min

Delta R.T.: -0.012 min

Response: 285965933

Conc: 357.37 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 16:56
 Operator : AR\AJ
 Sample : PB168097BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168097BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 05:52:46 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	6.929	7.447	1523.7E6	404.8E6	535.056	505.873
Target Compounds							
1) T	Dalapon	2.444	2.518	2338.8E6	922.7E6	475.821	454.310
2) T	3,5-DICHL...	6.135	6.448	2061.6E6	520.5E6	494.317	446.496
3) T	4-Nitroph...	6.720	6.982	990.0E6	429.8E6	479.286	411.688
5) T	DICAMBA	7.105	7.632	5857.0E6	2258.4E6	506.775	477.659
6) T	MCP	7.284	7.739	327.3E6	86272929	44.937	46.893
7) T	MCPA	7.426	7.968	493.5E6	123.9E6	47.538	46.987
8) T	DICHLORPROP	7.785	8.324	1464.0E6	558.0E6	501.138	472.310
9) T	2,4-D	8.005	8.636	1649.3E6	624.4E6	502.998	483.876
10) T	Pentachlo...	8.282	9.135	21408.9E6	12377.8E6	528.606	501.433
11) T	2,4,5-TP ...	8.846	9.513	8304.3E6	4857.6E6	512.739	493.140
12) T	2,4,5-T	9.127	9.917	8542.8E6	4493.1E6	517.270	488.190
13) T	2,4-DB	9.685	10.474	1393.7E6	417.5E6	534.041	420.724
14) T	DINOSEB	10.845	10.848	5795.5E6	3285.7E6	506.765	480.923
15) T	Picloram	10.666	11.882	10822.0E6	7896.0E6	506.009	561.070m
16) T	DCPA	11.147	11.878	10406.4E6	5591.3E6	522.632	413.851m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051215\
Data File : PS030316.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 16:56
Operator : AR\AJ
Sample : PB168097BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

PB168097BS

Manual Integrations

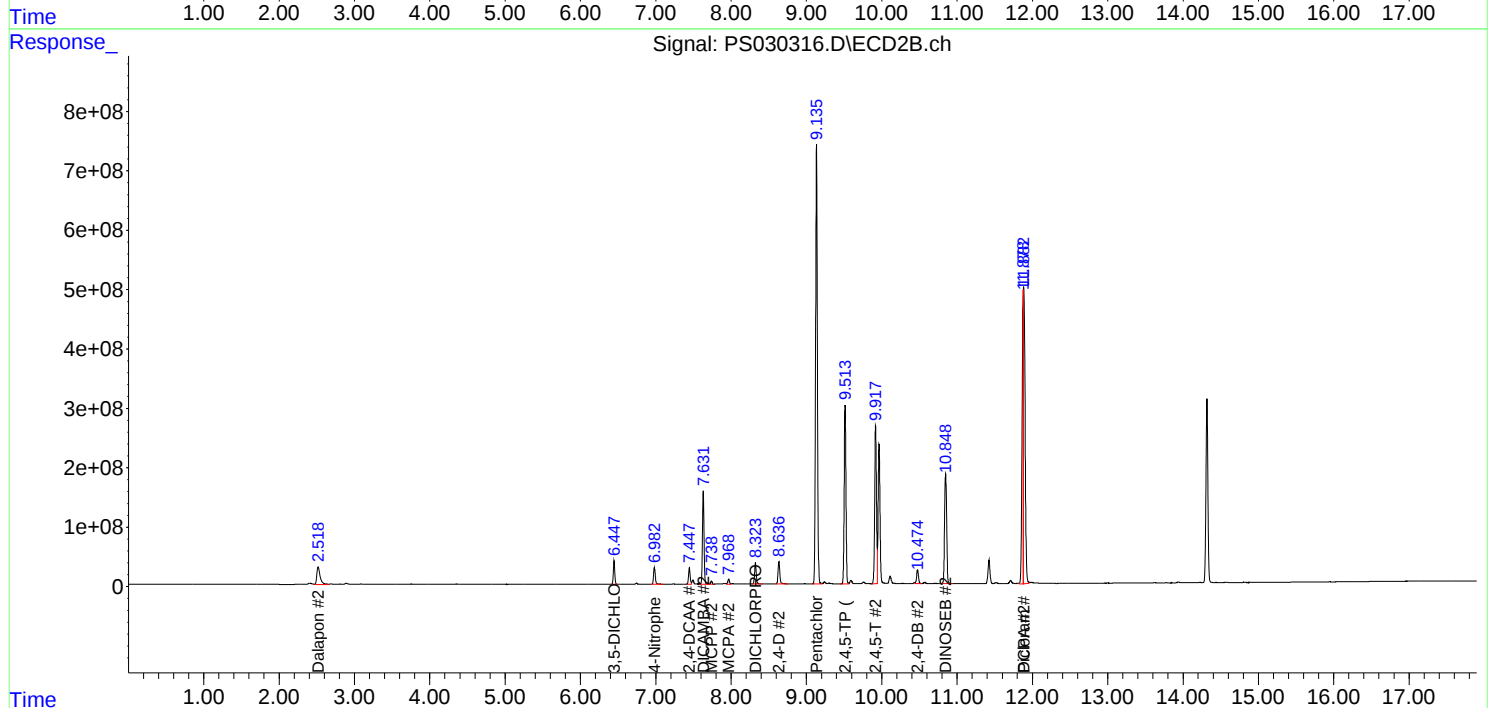
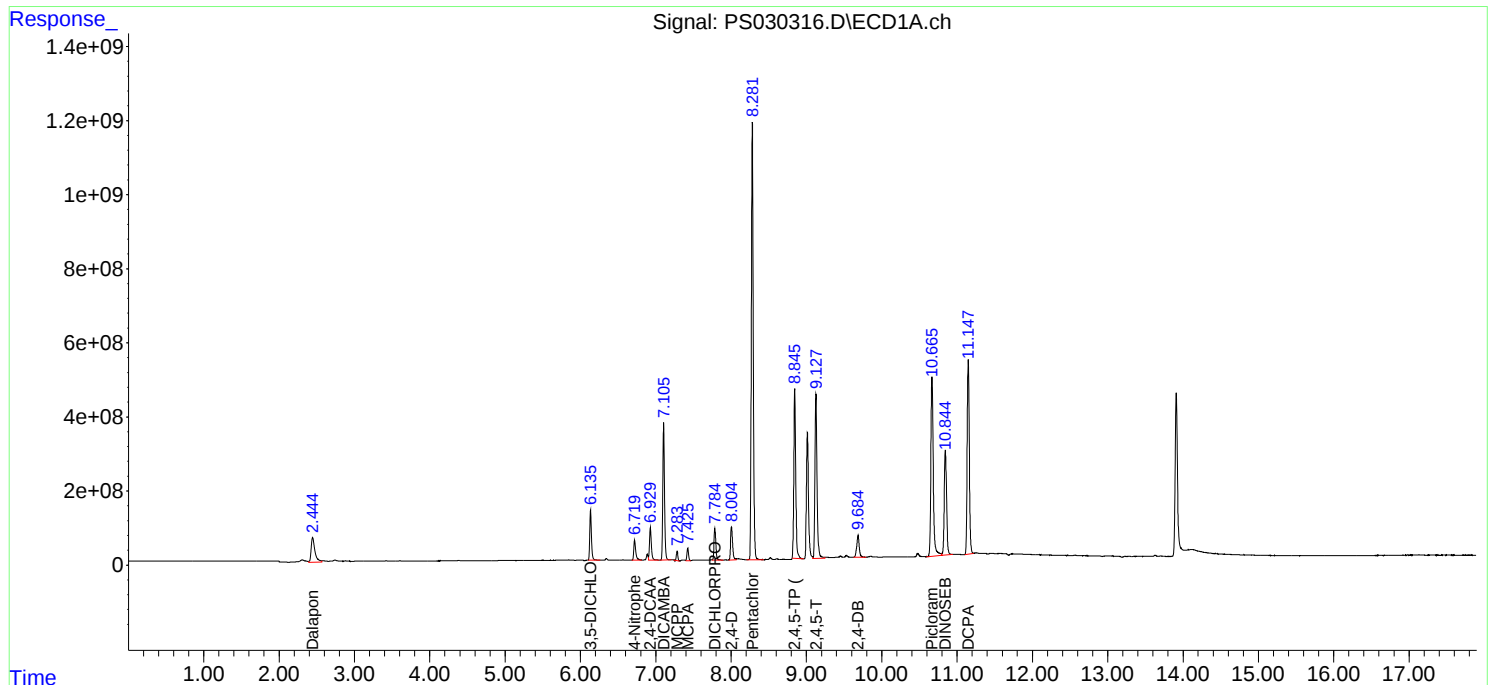
APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:52:46 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030326.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 22:09
 Operator : AR\AJ
 Sample : Q2071-01MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

L1-WC-7MS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 05:56:00 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 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	6.929	7.447	1471.8E6	319.8E6	516.803	399.587
Target Compounds							
1) T	Dalapon	2.442	2.512	1875.6E6	1584.5E6	381.581	780.123 #
2) T	3,5-DICHL...	6.135	6.447	1849.0E6	437.7E6	443.355	375.478m
3) T	4-Nitroph...	6.720	6.982	697.6E6	296.1E6	337.718	283.650
5) T	DICAMBA	7.105	7.632	4519.3E6	1830.8E6	391.032	387.224
6) T	MCP	7.283	7.738	253.4E6	62247080	34.791	33.834
7) T	MCPA	7.424	7.967	400.1E6	102.0E6	38.544	38.683
8) T	DICHLORPROP	7.785	8.323	1244.0E6	481.4E6	425.826	407.439m
9) T	2,4-D	8.004	8.636	1601.8E6	586.1E6	488.514	454.197
10) T	Pentachlo...	8.281	9.135	15266.2E6	8737.8E6	376.935	353.972
11) T	2,4,5-TP ...	8.845	9.513	6706.2E6	4218.0E6	414.066	428.201
12) T	2,4,5-T	9.127	9.917	6800.6E6	3744.1E6	411.781	406.810
13) T	2,4-DB	9.686	10.474	1344.7E6	346.6E6	515.242	349.254m#
14) T	DINOSEB	10.845	10.844	486.7E6	224.0E6	42.556	32.780m
15) T	Picloram	10.665	11.878	7510.8E6	5745.4E6	351.184	408.255m
16) T	DCPA	11.146	11.877	8202.7E6	4096.1E6	411.960	303.179m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051215\
Data File : PS030326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 22:09
Operator : AR\AJ
Sample : Q2071-01MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

L1-WC-7MS

Manual Integrations

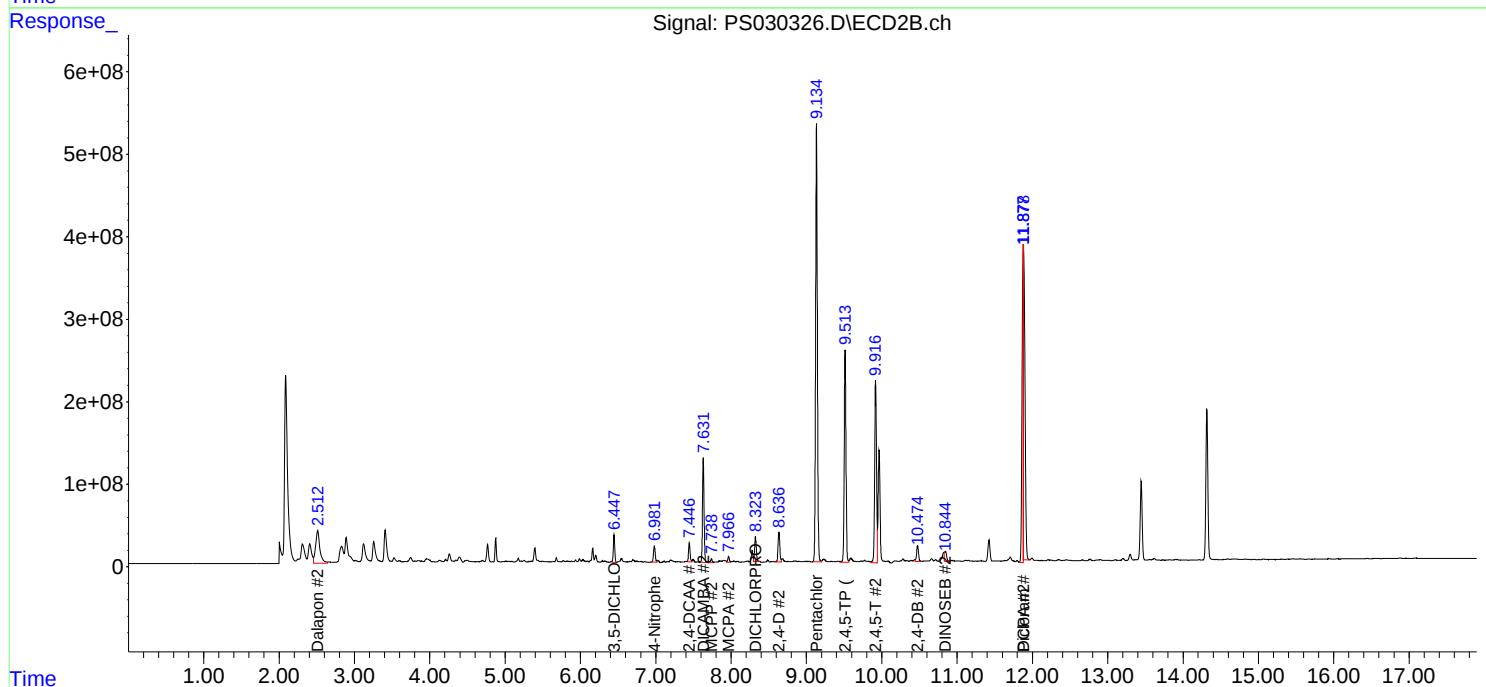
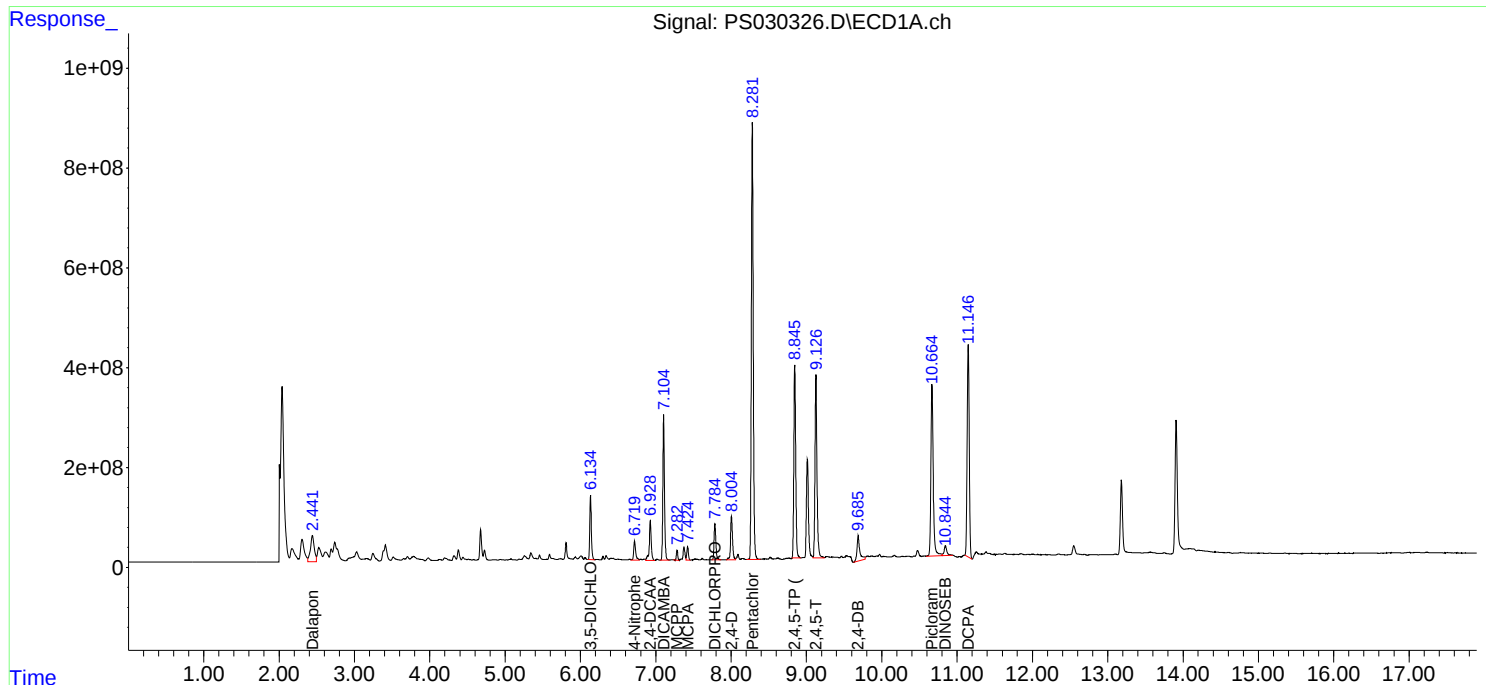
APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:56:00 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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051225\
 Data File : PS030327.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 22:33
 Operator : AR\AJ
 Sample : Q2071-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

L1-WC-7MSD

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 05:56:15 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

System Monitoring Compounds							
4) S	2,4-DCAA	6.930	7.447	1475.1E6	322.2E6	517.981	402.604
Target Compounds							
1) T	Dalapon	2.442	2.513	1870.1E6	1415.6E6	380.453	696.976 #
2) T	3,5-DICHL...	6.135	6.448	1860.3E6	450.6E6	446.063	386.491m
3) T	4-Nitroph...	6.720	6.982	697.7E6	297.6E6	337.757	285.060
5) T	DICAMBA	7.106	7.632	4543.9E6	1848.2E6	393.159	390.914
6) T	MCP	7.283	7.739	258.5E6	63484102	35.493	34.507
7) T	MCPA	7.425	7.967	401.7E6	107.6E6	38.699	40.809
8) T	DICHLORPROP	7.785	8.323	1255.5E6	483.4E6	429.751	409.155m
9) T	2,4-D	8.005	8.636	1610.8E6	592.0E6	491.242	458.727
10) T	Pentachlo...	8.282	9.135	15356.1E6	8845.9E6	379.155	358.352
11) T	2,4,5-TP ...	8.845	9.514	6790.4E6	4267.7E6	419.264	433.253
12) T	2,4,5-T	9.128	9.917	6857.5E6	3793.2E6	415.223	412.142
13) T	2,4-DB	9.686	10.474	1342.5E6	426.7E6	514.395	430.027
14) T	DINOSEB	10.845	10.844	469.1E6	217.7E6	41.015	31.863m
15) T	Picloram	10.666	11.880	7562.4E6	5465.7E6	353.600	388.381m
16) T	DCPA	11.147	11.879	8272.5E6	4682.6E6	415.466	346.587m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_S\Data\PS051215\
Data File : PS030327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 22:33
Operator : AR\AJ
Sample : Q2071-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_S

ClientSampleId :

L1-WC-7MSD

Manual Integrations

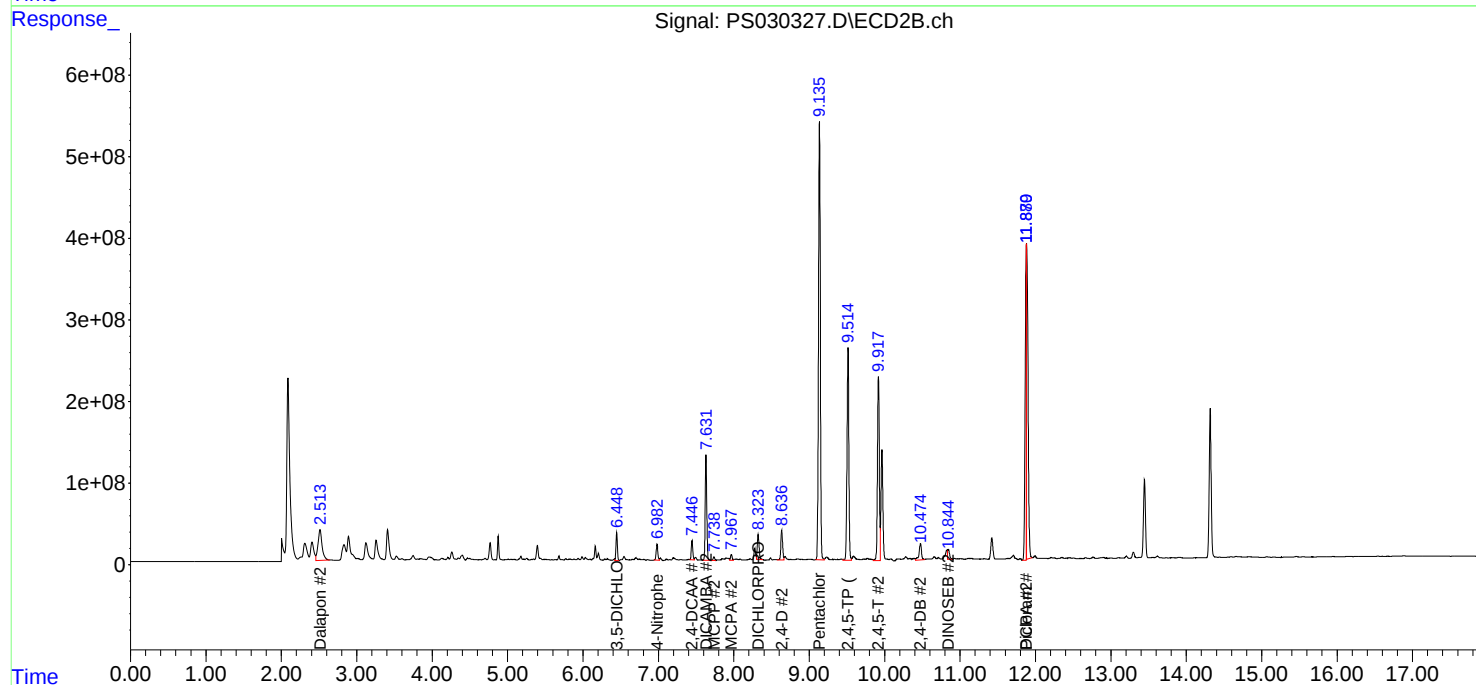
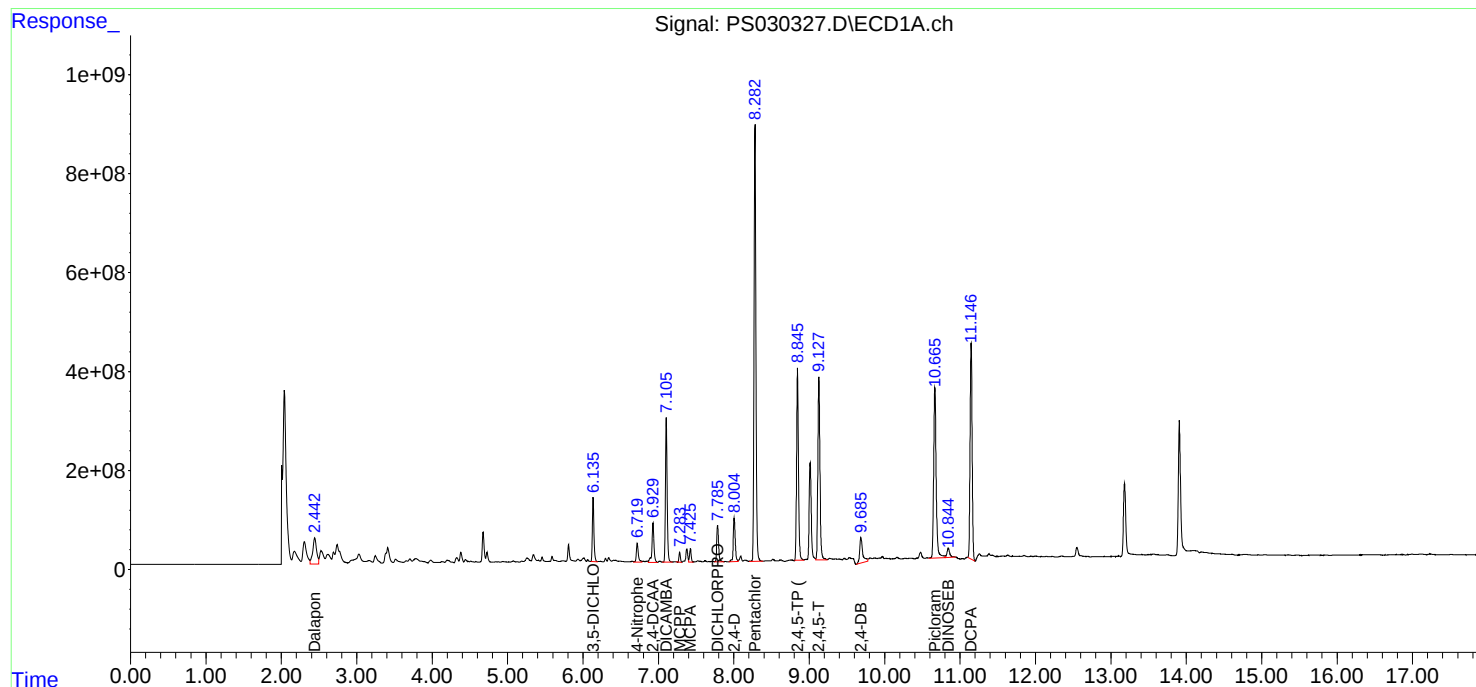
APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 05:56:15 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



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

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:	ps052125	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030314.D	DCPA #2	Abdul	5/22/2025 8:05:06 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
HSTDCCC750	PS030314.D	Picloram #2	Abdul	5/22/2025 8:05:06 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
PB168097BS	PS030316.D	DCPA #2	Abdul	5/22/2025 8:05:10 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
PB168097BS	PS030316.D	Picloram #2	Abdul	5/22/2025 8:05:10 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
HSTDCCC750	PS030324.D	DCPA #2	Abdul	5/22/2025 8:05:41 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
HSTDCCC750	PS030324.D	Picloram #2	Abdul	5/22/2025 8:05:41 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	2,4-DB #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	DCPA #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	DICHLORPROP #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	DINOSEB #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MS	PS030326.D	Picloram #2	Abdul	5/22/2025 8:05:49 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MSD	PS030327.D	3,5-DICHLOROBENZOI C ACID #2	Abdul	5/22/2025 8:05:53 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software

Manual Integration Report

Sequence:	ps052125	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2071-01MSD	PS030327.D	DCPA #2	Abdul	5/22/2025 8:05:53 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MSD	PS030327.D	DICHLORPROP #2	Abdul	5/22/2025 8:05:53 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MSD	PS030327.D	DINOSEB #2	Abdul	5/22/2025 8:05:53 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
Q2071-01MSD	PS030327.D	Picloram #2	Abdul	5/22/2025 8:05:53 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
HSTDCCC750	PS030334.D	DCPA #2	Abdul	5/22/2025 8:06:26 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software
HSTDCCC750	PS030334.D	Picloram #2	Abdul	5/22/2025 8:06:26 AM	mohammad	5/23/2025 5:17:09	Peak Integrated by Software

Manual Integration Report

Sequence:	PS052225	Instrument	ECD_s
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
HSTDCCC750	PS030337.D	DCPA #2	Abdul	5/23/2025 8:21:41 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030337.D	Picloram #2	Abdul	5/23/2025 8:21:41 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030348.D	DCPA #2	Abdul	5/23/2025 9:02:57 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030348.D	Picloram #2	Abdul	5/23/2025 9:02:57 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030359.D	DCPA #2	Abdul	5/23/2025 8:22:51 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030359.D	Picloram #2	Abdul	5/23/2025 8:22:51 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
Q2074-01	PS030360.D	2,4-DCAA #2	Abdul	5/23/2025 8:22:55 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
Q2074-03	PS030362.D	2,4-DCAA #2	Abdul	5/23/2025 8:22:59 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
Q2074-04	PS030363.D	2,4-DCAA #2	Abdul	5/23/2025 8:23:03 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
Q2074-07	PS030366.D	2,4-DCAA #2	Abdul	5/23/2025 8:23:07 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
Q2074-08	PS030367.D	2,4-DCAA #2	Abdul	5/23/2025 8:23:13 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030369.D	DCPA #2	Abdul	5/23/2025 9:03:01 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software
HSTDCCC750	PS030369.D	Picloram #2	Abdul	5/23/2025 9:03:01 AM	mohammad	5/24/2025 4:23:50	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PS052225

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/QC Batch ID # PS052125

Review By	Abdul	Review On	5/22/2025 8:06:50 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:09 AM
SubDirectory	PS052125	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	PS030312.D	21 May 2025 09:57	AR\AJ	Ok
2	I.BLK	PS030313.D	21 May 2025 10:21	AR\AJ	Ok
3	HSTDCCC750	PS030314.D	21 May 2025 15:25	AR\AJ	Ok,M
4	PB168097BL	PS030315.D	21 May 2025 16:32	AR\AJ	Ok
5	PB168097BS	PS030316.D	21 May 2025 16:56	AR\AJ	Ok,M
6	Q2062-01	PS030317.D	21 May 2025 17:20	AR\AJ	Ok,M
7	Q2062-05	PS030318.D	21 May 2025 17:44	AR\AJ	Ok,M
8	Q2062-09	PS030319.D	21 May 2025 18:08	AR\AJ	Ok,M
9	Q2062-13	PS030320.D	21 May 2025 18:32	AR\AJ	Ok,M
10	Q2062-17	PS030321.D	21 May 2025 18:56	AR\AJ	Ok,M
11	Q2062-21	PS030322.D	21 May 2025 19:20	AR\AJ	Not Ok
12	I.BLK	PS030323.D	21 May 2025 19:44	AR\AJ	Ok
13	HSTDCCC750	PS030324.D	21 May 2025 20:32	AR\AJ	Ok,M
14	Q2071-01	PS030325.D	21 May 2025 21:45	AR\AJ	Ok,M
15	Q2071-01MS	PS030326.D	21 May 2025 22:09	AR\AJ	Ok,M
16	Q2071-01MSD	PS030327.D	21 May 2025 22:33	AR\AJ	Ok,M
17	Q2071-05	PS030328.D	21 May 2025 22:57	AR\AJ	Ok,M
18	Q2071-09	PS030329.D	21 May 2025 23:21	AR\AJ	Ok,M
19	Q2071-13	PS030330.D	21 May 2025 23:45	AR\AJ	Ok
20	Q2071-17	PS030331.D	22 May 2025 00:09	AR\AJ	Ok,M
21	Q2084-01	PS030332.D	22 May 2025 00:33	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS052125

Review By	Abdul	Review On	5/22/2025 8:06:50 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:09 AM
SubDirectory	PS052125	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	I.BLK	PS030333.D	22 May 2025 00:57	AR\AJ	Ok
23	HSTDCCC750	PS030334.D	22 May 2025 01:45	AR\AJ	Ok,M

M : Manual Integration



Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS052225

Review By	Abdul	Review On	5/23/2025 8:23:40 AM
Supervise By	mohammad	Supervise On	5/24/2025 4:23:50 AM
SubDirectory	PS052225	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 ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24559 PP24562		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PS030335.D	22 May 2025 08:43	AR\AJ	Ok
2	I.BLK	PS030336.D	22 May 2025 09:07	AR\AJ	Ok
3	HSTDCCC750	PS030337.D	22 May 2025 09:31	AR\AJ	Ok,M
4	Q2080-12	PS030338.D	22 May 2025 09:58	AR\AJ	Ok,M
5	Q2080-06	PS030339.D	22 May 2025 10:22	AR\AJ	Ok,M
6	Q2062-21	PS030340.D	22 May 2025 12:22	AR\AJ	Ok,M
7	Q2080-06MS	PS030341.D	22 May 2025 13:15	AR\AJ	Ok,M
8	Q2080-06MSD	PS030342.D	22 May 2025 13:39	AR\AJ	Ok,M
9	PB168120BL	PS030343.D	22 May 2025 14:03	AR\AJ	Ok,M
10	PB168120BS	PS030344.D	22 May 2025 14:28	AR\AJ	Ok,M
11	PB168067TB	PS030345.D	22 May 2025 14:52	AR\AJ	Ok,M
12	PB168092TB	PS030346.D	22 May 2025 15:16	AR\AJ	Ok,M
13	I.BLK	PS030347.D	22 May 2025 15:40	AR\AJ	Ok
14	HSTDCCC750	PS030348.D	22 May 2025 16:04	AR\AJ	Ok,M
15	Q2084-05	PS030349.D	22 May 2025 16:28	AR\AJ	Ok
16	Q2078-03	PS030350.D	22 May 2025 16:52	AR\AJ	Ok
17	Q2078-07	PS030351.D	22 May 2025 17:16	AR\AJ	Ok,M
18	Q2078-11	PS030352.D	22 May 2025 17:40	AR\AJ	Ok,M
19	Q2078-15	PS030353.D	22 May 2025 18:04	AR\AJ	Ok,M
20	Q2078-19	PS030354.D	22 May 2025 18:28	AR\AJ	Ok,M
21	Q2079-03	PS030355.D	22 May 2025 18:52	AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QCBatch ID # PS052225

Review By	Abdul	Review On	5/23/2025 8:23:40 AM
Supervise By	mohammad	Supervise On	5/24/2025 4:23:50 AM
SubDirectory	PS052225	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	Q2079-07	PS030356.D	22 May 2025 19:16	AR\AJ	Ok,M
23	Q2079-11	PS030357.D	22 May 2025 19:41	AR\AJ	Ok,M
24	I.BLK	PS030358.D	22 May 2025 20:05	AR\AJ	Ok
25	HSTDCCC750	PS030359.D	22 May 2025 20:29	AR\AJ	Ok,M
26	Q2074-01	PS030360.D	22 May 2025 21:17	AR\AJ	Ok,M
27	Q2074-02	PS030361.D	22 May 2025 21:41	AR\AJ	Ok
28	Q2074-03	PS030362.D	22 May 2025 22:05	AR\AJ	Ok,M
29	Q2074-04	PS030363.D	22 May 2025 22:29	AR\AJ	Ok,M
30	Q2074-05	PS030364.D	22 May 2025 22:53	AR\AJ	Ok
31	Q2074-06	PS030365.D	22 May 2025 23:17	AR\AJ	Ok
32	Q2074-07	PS030366.D	22 May 2025 23:41	AR\AJ	Ok,M
33	Q2074-08	PS030367.D	23 May 2025 00:05	AR\AJ	Ok,M
34	I.BLK	PS030368.D	23 May 2025 00:29	AR\AJ	Ok
35	HSTDCCC750	PS030369.D	23 May 2025 00:54	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 # PS052125

Review By	Abdul	Review On	5/22/2025 8:06:50 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:09 AM
SubDirectory	PS052125	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	PS030312.D	21 May 2025 09:57		AR\AJ	Ok
2	I.BLK	I.BLK	PS030313.D	21 May 2025 10:21		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030314.D	21 May 2025 15:25		AR\AJ	Ok,M
4	PB168097BL	PB168097BL	PS030315.D	21 May 2025 16:32		AR\AJ	Ok
5	PB168097BS	PB168097BS	PS030316.D	21 May 2025 16:56		AR\AJ	Ok,M
6	Q2062-01	L1-WC-1	PS030317.D	21 May 2025 17:20		AR\AJ	Ok,M
7	Q2062-05	L1-WC-2	PS030318.D	21 May 2025 17:44		AR\AJ	Ok,M
8	Q2062-09	L1-WC-3	PS030319.D	21 May 2025 18:08		AR\AJ	Ok,M
9	Q2062-13	L1-WC-4	PS030320.D	21 May 2025 18:32		AR\AJ	Ok,M
10	Q2062-17	L1-WC-5	PS030321.D	21 May 2025 18:56		AR\AJ	Ok,M
11	Q2062-21	L1-WC-6	PS030322.D	21 May 2025 19:20	Surrogate low in both column	AR\AJ	Not Ok
12	I.BLK	I.BLK	PS030323.D	21 May 2025 19:44		AR\AJ	Ok
13	HSTDCCC750	HSTDCCC750	PS030324.D	21 May 2025 20:32		AR\AJ	Ok,M
14	Q2071-01	L1-WC-7	PS030325.D	21 May 2025 21:45		AR\AJ	Ok,M
15	Q2071-01MS	L1-WC-7MS	PS030326.D	21 May 2025 22:09	Comp#3,14 recovery fail	AR\AJ	Ok,M
16	Q2071-01MSD	L1-WC-7MSD	PS030327.D	21 May 2025 22:33	Comp#3,14 recovery fail	AR\AJ	Ok,M
17	Q2071-05	L1-WC-8	PS030328.D	21 May 2025 22:57		AR\AJ	Ok,M
18	Q2071-09	L1-WC-9	PS030329.D	21 May 2025 23:21		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS052125

Review By	Abdul	Review On	5/22/2025 8:06:50 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:09 AM
SubDirectory	PS052125	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	PP24562		
MS/MSD Standard LCS Standard			

19	Q2071-13	L2-WC-5	PS030330.D	21 May 2025 23:45		AR\AJ	Ok
20	Q2071-17	L2-WC-6	PS030331.D	22 May 2025 00:09		AR\AJ	Ok,M
21	Q2084-01	OR-640-COMP-66	PS030332.D	22 May 2025 00:33		AR\AJ	Ok,M
22	I.BLK	I.BLK	PS030333.D	22 May 2025 00:57		AR\AJ	Ok
23	HSTDCCC750	HSTDCCC750	PS030334.D	22 May 2025 01:45		AR\AJ	Ok,M

M : Manual Integration

A
B
C
D
E
F
G
H
I
J
K
L

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS052225

Review By	Abdul	Review On	5/23/2025 8:23:40 AM
Supervise By	mohammad	Supervise On	5/24/2025 4:23:50 AM
SubDirectory	PS052225	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	PS030335.D	22 May 2025 08:43		AR\AJ	Ok
2	I.BLK	I.BLK	PS030336.D	22 May 2025 09:07		AR\AJ	Ok
3	HSTDCCC750	HSTDCCC750	PS030337.D	22 May 2025 09:31		AR\AJ	Ok,M
4	Q2080-12	PL-HRH-COMP-02	PS030338.D	22 May 2025 09:58		AR\AJ	Ok,M
5	Q2080-06	PL-HRH-COMP-01	PS030339.D	22 May 2025 10:22		AR\AJ	Ok,M
6	Q2062-21	L1-WC-6	PS030340.D	22 May 2025 12:22		AR\AJ	Ok,M
7	Q2080-06MS	PL-HRH-COMP-01MS	PS030341.D	22 May 2025 13:15	Comp #3 Recovery fail	AR\AJ	Ok,M
8	Q2080-06MSD	PL-HRH-COMP-01MSD	PS030342.D	22 May 2025 13:39	Comp #3 Recovery fail	AR\AJ	Ok,M
9	PB168120BL	PB168120BL	PS030343.D	22 May 2025 14:03		AR\AJ	Ok,M
10	PB168120BS	PB168120BS	PS030344.D	22 May 2025 14:28		AR\AJ	Ok,M
11	PB168067TB	PB168067TB	PS030345.D	22 May 2025 14:52		AR\AJ	Ok,M
12	PB168092TB	PB168092TB	PS030346.D	22 May 2025 15:16		AR\AJ	Ok,M
13	I.BLK	I.BLK	PS030347.D	22 May 2025 15:40		AR\AJ	Ok
14	HSTDCCC750	HSTDCCC750	PS030348.D	22 May 2025 16:04		AR\AJ	Ok,M
15	Q2084-05	OR-640-COMP-66	PS030349.D	22 May 2025 16:28		AR\AJ	Ok
16	Q2078-03	WC-A4-04-C	PS030350.D	22 May 2025 16:52		AR\AJ	Ok
17	Q2078-07	WC-A4-05-C	PS030351.D	22 May 2025 17:16		AR\AJ	Ok,M
18	Q2078-11	WC-A1-06A-C	PS030352.D	22 May 2025 17:40		AR\AJ	Ok,M

Instrument ID: ECD_S

Daily Analysis Runlog For Sequence/QC Batch ID # PS052225

Review By	Abdul	Review On	5/23/2025 8:23:40 AM
Supervise By	mohammad	Supervise On	5/24/2025 4:23:50 AM
SubDirectory	PS052225	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	Q2078-15	WC-A1-07A-C	PS030353.D	22 May 2025 18:04		AR\AJ	Ok,M
20	Q2078-19	WC-A4-06-C	PS030354.D	22 May 2025 18:28		AR\AJ	Ok,M
21	Q2079-03	WC-A2-01-C	PS030355.D	22 May 2025 18:52		AR\AJ	Ok,M
22	Q2079-07	WC-A2-02-C	PS030356.D	22 May 2025 19:16		AR\AJ	Ok,M
23	Q2079-11	WC-A2-03-C	PS030357.D	22 May 2025 19:41		AR\AJ	Ok,M
24	I.BLK	I.BLK	PS030358.D	22 May 2025 20:05		AR\AJ	Ok
25	HSTDCCC750	HSTDCCC750	PS030359.D	22 May 2025 20:29		AR\AJ	Ok,M
26	Q2074-01	TP-12	PS030360.D	22 May 2025 21:17		AR\AJ	Ok,M
27	Q2074-02	TP-7	PS030361.D	22 May 2025 21:41		AR\AJ	Ok
28	Q2074-03	TP-15	PS030362.D	22 May 2025 22:05		AR\AJ	Ok,M
29	Q2074-04	TP-20	PS030363.D	22 May 2025 22:29		AR\AJ	Ok,M
30	Q2074-05	TP-38	PS030364.D	22 May 2025 22:53		AR\AJ	Ok
31	Q2074-06	TP-19	PS030365.D	22 May 2025 23:17		AR\AJ	Ok
32	Q2074-07	TP-40	PS030366.D	22 May 2025 23:41		AR\AJ	Ok,M
33	Q2074-08	TP-18	PS030367.D	23 May 2025 00:05		AR\AJ	Ok,M
34	I.BLK	I.BLK	PS030368.D	23 May 2025 00:29		AR\AJ	Ok
35	HSTDCCC750	HSTDCCC750	PS030369.D	23 May 2025 00:54		AR\AJ	Ok,M

M : Manual Integration

A
B
C
D
E
F
G
H
I
J
K
L

SOP ID: M8151A-Herbicide-22

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,4,5,7

Extraction Start Date : 05/21/2025

Extraction Start Time : 08:30

Extraction End Date : 05/21/2025

Extraction End Time : 16:00

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel ☐ Continious 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	E3934
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
5/21/25	RS (Ext-Lab)	SR. Perle / PCB Lab
16:05	Preparation Group	Analysis Group

Analytical Method: M8151A-Herbicide-22

Concentration Date: 05/21/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168097BL	HBLK097	Herbicide	30.01	N/A	ritesh	Evelyn	10			U2-1
PB168097BS	HLCS097	Herbicide	30.02	N/A	ritesh	Evelyn	10			2
Q2062-01	L1-WC-1	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		3
Q2062-05	L1-WC-2	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		4
Q2062-09	L1-WC-3	Herbicide	30.02	N/A	ritesh	Evelyn	10	D		5
Q2062-13	L1-WC-4	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2062-17	L1-WC-5	Herbicide	30.08	N/A	ritesh	Evelyn	10	E		U3-1
Q2062-21	L1-WC-6	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		2
Q2071-01	L1-WC-7	Herbicide	30.04	N/A	ritesh	Evelyn	10	D		3
Q2071-01MS	L1-WC-7MS	Herbicide	30.01	N/A	ritesh	Evelyn	10	D		4
Q2071-01MS D	L1-WC-7MSD	Herbicide	30.03	N/A	ritesh	Evelyn	10	D		5
Q2071-05	L1-WC-8	Herbicide	30.05	N/A	ritesh	Evelyn	10	D		6
Q2071-09	L1-WC-9	Herbicide	30.08	N/A	ritesh	Evelyn	10	D		U6-1
Q2071-13	L2-WC-5	Herbicide	30.02	N/A	ritesh	Evelyn	10	B		2
Q2071-17	L2-WC-6	Herbicide	30.04	N/A	ritesh	Evelyn	10	D		3
Q2074-01	TP-12	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		4
Q2074-02	TP-7	Herbicide	30.03	N/A	ritesh	Evelyn	10	E		5
Q2074-03	TP-15	Herbicide	30.05	N/A	ritesh	Evelyn	10	E		6
Q2074-04	TP-20	Herbicide	30.07	N/A	ritesh	Evelyn	10	E		U1-1
Q2074-05	TP-38	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		2
Q2074-06	TP-19	Herbicide	30.04	N/A	ritesh	Evelyn	10	E		3
Q2074-07	TP-40	Herbicide	30.02	N/A	ritesh	Evelyn	10	E		4
Q2074-08	TP-18	Herbicide	30.06	N/A	ritesh	Evelyn	10	E		5
Q2084-01	OR-640-COMP-66	Herbicide	30.01	N/A	ritesh	Evelyn	10	E		6



RS
5/21

168°
8.50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2062H

WorkList ID : 189659

Department : Extraction

Date : 05-21-2025 08:25:22

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2062-01	L1-WC-1	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2062-05	L1-WC-2	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2062-09	L1-WC-3	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2062-13	L1-WC-4	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2062-17	L1-WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2062-21	L1-WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2071-01	L1-WC-7	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/15/2025	8151A
Q2071-05	L1-WC-8	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/16/2025	8151A
Q2071-09	L1-WC-9	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/16/2025	8151A
Q2071-13	L2-WC-5	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/16/2025	8151A
Q2071-17	L2-WC-6	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/16/2025	8151A
Q2074-01	TP-12	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/16/2025	8151A
Q2074-02	TP-7	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-03	TP-15	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-04	TP-20	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-05	TP-38	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-06	TP-19	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-07	TP-40	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2074-08	TP-18	Solid	Herbicide	Cool 4 deg C	CAMP02	L31	05/15/2025	8151A
Q2084-01	OR-640-COMP-66	Solid	Herbicide	Cool 4 deg C	PSEG03	L41	05/19/2025	8151A

Date/Time 05/21/25 8:25
Raw Sample Received by: RJ (EXT-106)
Raw Sample Relinquished by: [Signature]

Date/Time 05/21/25 9:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (EXT-106)

LAB CHRONICLE

OrderID:	Q2074	OrderDate:	5/16/2025 3:13:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2074-01	TP-12	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-02	TP-7	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-03	TP-15	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-04	TP-20	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	
			PCB	8082A		05/20/25	05/20/25	
			Pesticide-TCL	8081B		05/20/25	05/20/25	
			Gasoline Range Organics	8015D			05/20/25	
Q2074-05	TP-38	SOIL			05/15/25			05/16/25
			Diesel Range Organics	8015D		05/20/25	05/21/25	
			Herbicide	8151A		05/21/25	05/22/25	

LAB CHRONICLE

			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
Q2074-06	TP-19	SOIL			05/15/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Herbicide	8151A	05/21/25	05/22/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
			Gasoline Range Organics	8015D		05/20/25	
Q2074-07	TP-40	SOIL			05/15/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Herbicide	8151A	05/21/25	05/22/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	
Q2074-08	TP-18	SOIL			05/16/25		05/16/25
			Diesel Range Organics	8015D	05/20/25	05/21/25	
			Herbicide	8151A	05/21/25	05/23/25	
			PCB	8082A	05/20/25	05/20/25	
			Pesticide-TCL	8081B	05/20/25	05/20/25	