

Hit Summary Sheet
SW-846

SDG No.: Q2150

Order ID: Q2150

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-44								
Q2150-01	TP-44	SOIL	alpha-Chlordane	0.76	J	0.15	2.20	ug/kg
Q2150-01	TP-44	SOIL	gamma-Chlordane	0.30	J	0.19	2.20	ug/kg
Total Concentration:				1.060				
Client ID : TP-50								
Q2150-06	TP-50	SOIL	alpha-Chlordane	1.40	JP	0.14	2.00	ug/kg
Q2150-06	TP-50	SOIL	gamma-Chlordane	0.80	JP	0.17	2.00	ug/kg
Total Concentration:				2.200				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095842.D	1	05/30/25 08:50	05/30/25 13:24	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.49	U	0.49	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.20	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.37	U	0.37	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.47	U	0.47	2.20	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.47	U	0.47	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.76	J	0.15	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.30	J	0.19	2.20	ug/kg
8001-35-2	Toxaphene	6.80	U	6.80	41.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.77		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	11.5		19 - 148	58%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095842.D	1	05/30/25 08:50	05/30/25 13:24	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

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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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095843.D	1	05/30/25 08:50	05/30/25 13:38	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.23		20 - 144	41%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	62%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/27/25	
Project:	South River WM Replacement		Date Received:	05/28/25	
Client Sample ID:	TP-42		SDG No.:	Q2150	
Lab Sample ID:	Q2150-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	86.2	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095843.D	1	05/30/25 08:50	05/30/25 13:38	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095844.D	1	05/30/25 08:50	05/30/25 13:51	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.19		20 - 144	46%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		19 - 148	87%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095844.D	1	05/30/25 08:50	05/30/25 13:51	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095845.D	1	05/30/25 08:50	05/30/25 14:05	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.61		20 - 144	43%	SPK: 20
877-09-8	Tetrachloro-m-xylene	10.1		19 - 148	50%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	80.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095845.D	1	05/30/25 08:50	05/30/25 14:05	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095846.D	1	05/30/25 08:50	05/30/25 14:18	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.10	ug/kg
319-85-7	beta-BHC	0.22	U	0.22	2.10	ug/kg
319-86-8	delta-BHC	0.48	U	0.48	2.10	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.10	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.10	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.10	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.10	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.10	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.10	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.10	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.10	ug/kg
33213-65-9	Endosulfan II	0.36	U	0.36	2.10	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.10	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.10	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.10	ug/kg
72-43-5	Methoxychlor	0.46	U	0.46	2.10	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.10	ug/kg
7421-93-4	Endrin aldehyde	0.46	U	0.46	2.10	ug/kg
5103-71-9	alpha-Chlordane	0.15	U	0.15	2.10	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.10	ug/kg
8001-35-2	Toxaphene	6.70	U	6.70	40.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.4		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	81
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095846.D	1	05/30/25 08:50	05/30/25 14:18	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095847.D	1	05/30/25 08:50	05/30/25 14:32	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	1.40	JP	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.80	JP	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.6		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.8		19 - 148	64%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	10000
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Test:	Pesticide-TCL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095847.D	1	05/30/25 08:50	05/30/25 14:32	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095848.D	1	05/30/25 08:50	05/30/25 14:46	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.6		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Final Vol:	10000
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	
		Test:	Pesticide-TCL
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095848.D	1	05/30/25 08:50	05/30/25 14:46	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095851.D	1	05/30/25 08:50	05/30/25 15:26	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	7.81		20 - 144	39%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.0		19 - 148	60%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	10000
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095851.D	1	05/30/25 08:50	05/30/25 15:26	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095852.D	1	05/30/25 08:50	05/30/25 15:40	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.16	U	0.16	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.35	U	0.35	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.16	U	0.16	2.00	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	10.7		20 - 144	53%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		19 - 148	81%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095852.D	1	05/30/25 08:50	05/30/25 15:40	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095853.D	1	05/30/25 08:50	05/30/25 15:54	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	2.00	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	2.00	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	2.00	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	2.00	ug/kg
72-20-8	Endrin	0.16	U	0.16	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	U	0.34	2.00	ug/kg
72-54-8	4,4-DDD	0.18	U	0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	2.00	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	2.00	ug/kg
72-43-5	Methoxychlor	0.43	U	0.43	2.00	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.2		20 - 144	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		19 - 148	92%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/28/25	
Project:	South River WM Replacement		Date Received:	05/28/25	
Client Sample ID:	TP-53		SDG No.:	Q2150	
Lab Sample ID:	Q2150-10		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	85.3	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095853.D	1	05/30/25 08:50	05/30/25 15:54	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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QC SUMMARY

Surrogate Summary

SDG No.: **Q2150**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL095732.D	PIBLK-PL095732.D	Decachlorobiphenyl	1	20	18.2	91		43	140
		Tetrachloro-m-xylene	1	20	16.4	82		77	126
		Decachlorobiphenyl	2	20	17.5	88		43	140
		Tetrachloro-m-xylene	2	20	16.0	80		77	126
I.BLK-PL095838.D	PIBLK-PL095838.D	Decachlorobiphenyl	1	20	17.9	89		43	140
		Tetrachloro-m-xylene	1	20	22.7	114		77	126
		Decachlorobiphenyl	2	20	17.0	85		43	140
		Tetrachloro-m-xylene	2	20	22.5	113		77	126
PB168209BL	PB168209BL	Decachlorobiphenyl	1	20	18.1	90		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	17.1	85		20	144
		Tetrachloro-m-xylene	2	20	20.5	103		19	148
Q2150-01	TP-44	Decachlorobiphenyl	1	20	8.77	44		20	144
		Tetrachloro-m-xylene	1	20	11.5	58		19	148
		Decachlorobiphenyl	2	20	7.28	36		20	144
		Tetrachloro-m-xylene	2	20	11.2	56		19	148
Q2150-02	TP-42	Decachlorobiphenyl	1	20	8.23	41		20	144
		Tetrachloro-m-xylene	1	20	12.3	62		19	148
		Decachlorobiphenyl	2	20	6.84	34		20	144
		Tetrachloro-m-xylene	2	20	12.0	60		19	148
Q2150-03	TP-39	Decachlorobiphenyl	1	20	9.19	46		20	144
		Tetrachloro-m-xylene	1	20	17.4	87		19	148
		Decachlorobiphenyl	2	20	8.42	42		20	144
		Tetrachloro-m-xylene	2	20	17.4	87		19	148
Q2150-04	TP-48	Decachlorobiphenyl	1	20	8.61	43		20	144
		Tetrachloro-m-xylene	1	20	10.1	50		19	148
		Decachlorobiphenyl	2	20	7.41	37		20	144
		Tetrachloro-m-xylene	2	20	9.82	49		19	148
Q2150-05	TP-47	Decachlorobiphenyl	1	20	11.4	57		20	144
		Tetrachloro-m-xylene	1	20	18.3	92		19	148
		Decachlorobiphenyl	2	20	10.1	50		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2150-06	TP-50	Decachlorobiphenyl	1	20	10.6	53		20	144
		Tetrachloro-m-xylene	1	20	12.8	64		19	148
		Decachlorobiphenyl	2	20	9.40	47		20	144
		Tetrachloro-m-xylene	2	20	12.7	63		19	148
Q2150-07	TP-51	Decachlorobiphenyl	1	20	10.6	53		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	9.64	48		20	144
		Tetrachloro-m-xylene	2	20	18.3	92		19	148
Q2150-07MS	TP-51MS	Decachlorobiphenyl	1	20	8.47	42		20	144

Surrogate Summary

SDG No.: **Q2150**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2150-07MS	TP-51MS	Tetrachloro-m-xylene	1	20	14.6	73		19	148
		Decachlorobiphenyl	2	20	8.02	40		20	144
Q2150-07MSD	TP-51MSD	Tetrachloro-m-xylene	2	20	14.5	73		19	148
		Decachlorobiphenyl	1	20	8.48	42		20	144
		Tetrachloro-m-xylene	1	20	14.6	73		19	148
		Decachlorobiphenyl	2	20	8.31	42		20	144
		Tetrachloro-m-xylene	2	20	14.6	73		19	148
Q2150-08	TP-52	Decachlorobiphenyl	1	20	7.81	39		20	144
		Tetrachloro-m-xylene	1	20	12.0	60		19	148
		Decachlorobiphenyl	2	20	7.25	36		20	144
		Tetrachloro-m-xylene	2	20	11.9	59		19	148
Q2150-09	TP-54	Decachlorobiphenyl	1	20	10.7	53		20	144
		Tetrachloro-m-xylene	1	20	16.1	80		19	148
		Decachlorobiphenyl	2	20	10.2	51		20	144
		Tetrachloro-m-xylene	2	20	16.2	81		19	148
Q2150-10	TP-53	Decachlorobiphenyl	1	20	12.2	61		20	144
		Tetrachloro-m-xylene	1	20	18.1	91		19	148
		Decachlorobiphenyl	2	20	11.8	59		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
		Decachlorobiphenyl	1	20	19.3	97		20	144
PB168209BS	PB168209BS	Tetrachloro-m-xylene	1	20	21.9	109		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	22.0	110		19	148
		Decachlorobiphenyl	1	20	23.7	118		43	140
I.BLK-PL095858.D	PIBLK-PL095858.D	Tetrachloro-m-xylene	1	20	22.7	113		77	126
		Decachlorobiphenyl	2	20	20.2	101		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095849.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2150-07MS (Column 1)	TP-51MS											
	alpha-BHC	19.86	0	19.7	ug/kg	99				60	144	
	beta-BHC	19.86	0	18.8	ug/kg	95				54	143	
	delta-BHC	19.86	0	19.3	ug/kg	97				29	151	
	gamma-BHC (Lindane)	19.86	0	19.6	ug/kg	99				61	140	
	Heptachlor	19.86	0	18.1	ug/kg	91				63	135	
	Aldrin	19.86	0	19.2	ug/kg	97				49	139	
	Heptachlor epoxide	19.86	0	19.1	ug/kg	96				41	156	
	Endosulfan I	19.86	0	18.6	ug/kg	94				56	142	
	Dieldrin	19.86	0	18.4	ug/kg	93				47	161	
	4,4'-DDE	19.86	0	18.2	ug/kg	92				55	136	
	Endrin	19.86	0	16.9	ug/kg	85				57	139	
	Endosulfan II	19.86	0	17.1	ug/kg	86				40	163	
	4,4'-DDD	19.86	0	18.8	ug/kg	95				47	163	
	Endosulfan sulfate	19.86	0	16.9	ug/kg	85				62	139	
	4,4'-DDT	19.86	0	15.2	ug/kg	77				51	146	
	Methoxychlor	19.86	0	15.4	ug/kg	78				54	136	
	Endrin ketone	19.86	0	17.8	ug/kg	90				60	129	
	Endrin aldehyde	19.86	0	18.2	ug/kg	92				59	132	
	alpha-Chlordane	19.86	0	18.4	ug/kg	93				39	166	
	gamma-Chlordane	19.86	0	18.9	ug/kg	95				44	175	
Client Sample ID: Q2150-07MS (Column 2)	TP-51MS											
	alpha-BHC	19.86	0	20.4	ug/kg	103				60	144	
	beta-BHC	19.86	0	18.9	ug/kg	95				54	143	
	delta-BHC	19.86	0	19.9	ug/kg	100				29	151	
	gamma-BHC (Lindane)	19.86	0	20.3	ug/kg	102				61	140	
	Heptachlor	19.86	0	19.1	ug/kg	96				63	135	
	Aldrin	19.86	0	20.0	ug/kg	101				49	139	
	Heptachlor epoxide	19.86	0	19.7	ug/kg	99				41	156	
	Endosulfan I	19.86	0	19.1	ug/kg	96				56	142	
	Dieldrin	19.86	0	19.0	ug/kg	96				47	161	
	4,4'-DDE	19.86	0	18.9	ug/kg	95				55	136	
	Endrin	19.86	0	17.6	ug/kg	89				57	139	
	Endosulfan II	19.86	0	18.5	ug/kg	93				40	163	
	4,4'-DDD	19.86	0	18.7	ug/kg	94				47	163	
	Endosulfan sulfate	19.86	0	17.8	ug/kg	90				62	139	
	4,4'-DDT	19.86	0	15.8	ug/kg	80				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095849.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result	Result							High	RPD
Q2150-07MS (Column 2)	Methoxychlor	19.86	0	15.2	ug/kg	77				54	136	
	Endrin ketone	19.86	0	18.4	ug/kg	93				60	129	
	Endrin aldehyde	19.86	0	18.9	ug/kg	95				59	132	
	alpha-Chlordane	19.86	0	19.4	ug/kg	98				39	166	
	gamma-Chlordane	19.86	0	19.5	ug/kg	98				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095850.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2150-07MSD (Column 1)	TP-51MSD											
	alpha-BHC	19.88	0	19.8	ug/kg	100		1		60	144	20
	beta-BHC	19.88	0	18.8	ug/kg	95		0		54	143	20
	delta-BHC	19.88	0	19.4	ug/kg	98		1		29	151	20
	gamma-BHC (Lindane)	19.88	0	19.7	ug/kg	99		0		61	140	20
	Heptachlor	19.88	0	18.2	ug/kg	92		1		63	135	20
	Aldrin	19.88	0	19.3	ug/kg	97		0		49	139	20
	Heptachlor epoxide	19.88	0	19.2	ug/kg	97		1		41	156	20
	Endosulfan I	19.88	0	18.7	ug/kg	94		0		56	142	20
	Dieldrin	19.88	0	18.5	ug/kg	93		0		47	161	20
	4,4'-DDE	19.88	0	18.3	ug/kg	92		0		55	136	20
	Endrin	19.88	0	17.0	ug/kg	86		1		57	139	20
	Endosulfan II	19.88	0	17.2	ug/kg	87		1		40	163	20
	4,4'-DDD	19.88	0	18.9	ug/kg	95		0		47	163	20
	Endosulfan sulfate	19.88	0	17.6	ug/kg	89		5		62	139	20
	4,4'-DDT	19.88	0	15.3	ug/kg	77		0		51	146	20
	Methoxychlor	19.88	0	15.9	ug/kg	80		3		54	136	20
	Endrin ketone	19.88	0	17.9	ug/kg	90		0		60	129	20
	Endrin aldehyde	19.88	0	18.2	ug/kg	92		0		59	132	20
	alpha-Chlordane	19.88	0	18.5	ug/kg	93		0		39	166	20
	gamma-Chlordane	19.88	0	19.0	ug/kg	96		1		44	175	20
Client Sample ID: Q2150-07MSD (Column 2)	TP-51MSD											
	alpha-BHC	19.88	0	20.5	ug/kg	103		0		60	144	20
	beta-BHC	19.88	0	18.8	ug/kg	95		0		54	143	20
	delta-BHC	19.88	0	20.1	ug/kg	101		1		29	151	20
	gamma-BHC (Lindane)	19.88	0	20.4	ug/kg	103		1		61	140	20
	Heptachlor	19.88	0	19.0	ug/kg	96		0		63	135	20
	Aldrin	19.88	0	20.2	ug/kg	102		1		49	139	20
	Heptachlor epoxide	19.88	0	19.9	ug/kg	100		1		41	156	20
	Endosulfan I	19.88	0	19.4	ug/kg	98		2		56	142	20
	Dieldrin	19.88	0	19.2	ug/kg	97		1		47	161	20
	4,4'-DDE	19.88	0	19.1	ug/kg	96		1		55	136	20
	Endrin	19.88	0	17.9	ug/kg	90		1		57	139	20
	Endosulfan II	19.88	0	18.6	ug/kg	94		1		40	163	20
	4,4'-DDD	19.88	0	19.0	ug/kg	96		2		47	163	20
	Endosulfan sulfate	19.88	0	18.2	ug/kg	92		2		62	139	20
	4,4'-DDT	19.88	0	16.2	ug/kg	81		1		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095850.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2150-07MSD (Column 2)	Methoxychlor	19.88	0	15.4	ug/kg	77		0		54	136	20
	Endrin ketone	19.88	0	18.9	ug/kg	95		2		60	129	20
	Endrin aldehyde	19.88	0	19.1	ug/kg	96		1		59	132	20
	alpha-Chlordane	19.88	0	19.6	ug/kg	99		1		39	166	20
	gamma-Chlordane	19.88	0	19.6	ug/kg	99		1		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PL095854.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168209BS (Column 1)	alpha-BHC	16.66	17.2	ug/kg	103				84	123	
	beta-BHC	16.66	16.8	ug/kg	101				82	123	
	delta-BHC	16.66	16.0	ug/kg	96				83	126	
	gamma-BHC (Lindane)	16.66	17.3	ug/kg	104				83	125	
	Heptachlor	16.66	16.2	ug/kg	97				83	122	
	Aldrin	16.66	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.66	17.0	ug/kg	102				83	120	
	Endosulfan I	16.66	16.6	ug/kg	100				81	124	
	Dieldrin	16.66	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.66	16.2	ug/kg	97				81	123	
	Endrin	16.66	14.6	ug/kg	88				76	130	
	Endosulfan II	16.66	15.6	ug/kg	94				80	125	
	4,4'-DDD	16.66	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.66	15.6	ug/kg	94				81	122	
	4,4'-DDT	16.66	13.8	ug/kg	83				70	129	
	Methoxychlor	16.66	13.7	ug/kg	82				60	119	
	Endrin ketone	16.66	16.5	ug/kg	99				77	132	
	Endrin aldehyde	16.66	16.0	ug/kg	96				79	124	
	alpha-Chlordane	16.66	16.6	ug/kg	100				84	120	
	gamma-Chlordane	16.66	16.9	ug/kg	101				83	122	
	PB168209BS (Column 2)	alpha-BHC	16.66	18.0	ug/kg	108				84	123
beta-BHC		16.66	16.3	ug/kg	98				82	123	
delta-BHC		16.66	16.7	ug/kg	100				83	126	
gamma-BHC (Lindane)		16.66	17.9	ug/kg	107				83	125	
Heptachlor		16.66	16.9	ug/kg	101				83	122	
Aldrin		16.66	18.0	ug/kg	108				82	124	
Heptachlor epoxide		16.66	17.7	ug/kg	106				83	120	
Endosulfan I		16.66	16.8	ug/kg	101				81	124	
Dieldrin		16.66	17.5	ug/kg	105				85	121	
4,4'-DDE		16.66	17.1	ug/kg	103				81	123	
Endrin		16.66	15.7	ug/kg	94				76	130	
Endosulfan II		16.66	17.0	ug/kg	102				80	125	
4,4'-DDD		16.66	18.0	ug/kg	108				80	131	
Endosulfan sulfate		16.66	16.3	ug/kg	98				81	122	
4,4'-DDT		16.66	14.2	ug/kg	85				70	129	
Methoxychlor		16.66	13.3	ug/kg	80				60	119	
Endrin ketone		16.66	16.9	ug/kg	101				77	132	
Endrin aldehyde		16.66	17.0	ug/kg	102				79	124	
alpha-Chlordane		16.66	17.4	ug/kg	104				84	120	
gamma-Chlordane		16.66	17.7	ug/kg	106				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168209BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168209BL

Lab File ID: PL095840.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/30/2025

Date Analyzed (1): 05/30/2025

Date Analyzed (2): 05/30/2025

Time Analyzed (1): 12:57

Time Analyzed (2): 12:57

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column (1): ZB-MR1 ID: 0.32 (mm)

GC Column (2): ZB-MR2 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
TP-44	Q2150-01	PL095842.D	05/30/2025	05/30/2025
TP-42	Q2150-02	PL095843.D	05/30/2025	05/30/2025
TP-39	Q2150-03	PL095844.D	05/30/2025	05/30/2025
TP-48	Q2150-04	PL095845.D	05/30/2025	05/30/2025
TP-47	Q2150-05	PL095846.D	05/30/2025	05/30/2025
TP-50	Q2150-06	PL095847.D	05/30/2025	05/30/2025
TP-51	Q2150-07	PL095848.D	05/30/2025	05/30/2025
TP-51MS	Q2150-07MS	PL095849.D	05/30/2025	05/30/2025
TP-51MSD	Q2150-07MSD	PL095850.D	05/30/2025	05/30/2025
TP-52	Q2150-08	PL095851.D	05/30/2025	05/30/2025
TP-54	Q2150-09	PL095852.D	05/30/2025	05/30/2025
TP-53	Q2150-10	PL095853.D	05/30/2025	05/30/2025
PB168209BS	PB168209BS	PL095854.D	05/30/2025	05/30/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BL	SDG No.:	Q2150
Lab Sample ID:	PB168209BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095840.D	1	05/30/25 08:50	05/30/25 12:57	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.13	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	0.18	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	0.39	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.14	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	0.12	U	0.12	1.70	ug/kg
309-00-2	Aldrin	0.12	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.19	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	0.14	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	0.14	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.70	ug/kg
72-20-8	Endrin	0.14	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	0.29	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	0.15	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.14	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	0.37	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	0.19	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.37	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.12	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.15	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.1		20 - 144	90%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		19 - 148	103%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168209BL		SDG No.:	Q2150	
Lab Sample ID:	PB168209BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095840.D	1	05/30/25 08:50	05/30/25 12:57	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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:	05/21/25
Project:	South River WM Replacement	Date Received:	05/21/25
Client Sample ID:	PIBLK-PL095732.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095732.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095732.D	1		05/21/25	PL052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.2		43 - 140	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		77 - 126	82%	SPK: 20

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-PL095732.D		SDG No.:	Q2150	
Lab Sample ID:	I.BLK-PL095732.D		Matrix:	WATER	
Analytical Method:	8081B		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095732.D	1		05/21/25	PL052125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Comments:

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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

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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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095838.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095838.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095838.D	1		05/30/25	pl053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.9		43 - 140	89%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	114%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095838.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095838.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095838.D	1		05/30/25	p1053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095858.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095858.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Decanted:	
		Final Vol:	10000
		Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095858.D	1		05/30/25	pl053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	23.7		43 - 140	118%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.7		77 - 126	113%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PL095858.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PL095858.D	Matrix:	WATER
Analytical Method:	8081B	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095858.D	1		05/30/25	p1053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168209BS	SDG No.:	Q2150
Lab Sample ID:	PB168209BS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095854.D	1	05/30/25 08:50	05/30/25 16:07	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.8		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.7		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.9		0.12	1.70	ug/kg
309-00-2	Aldrin	18.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.5		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.1		0.14	1.70	ug/kg
72-20-8	Endrin	15.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.0		0.29	1.70	ug/kg
72-54-8	4,4-DDD	18.0		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.3		0.13	1.70	ug/kg
50-29-3	4,4-DDT	14.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	13.7		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.7		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		20 - 144	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.0		19 - 148	110%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168209BS		SDG No.:	Q2150	
Lab Sample ID:	PB168209BS		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095854.D	1	05/30/25 08:50	05/30/25 16:07	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095849.D	1	05/30/25 08:50	05/30/25 14:59	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.4		0.15	2.00	ug/kg
319-85-7	beta-BHC	18.9		0.21	2.00	ug/kg
319-86-8	delta-BHC	19.9		0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.3		0.17	2.00	ug/kg
76-44-8	Heptachlor	19.1		0.14	2.00	ug/kg
309-00-2	Aldrin	20.0		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.7		0.23	2.00	ug/kg
959-98-8	Endosulfan I	19.1		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.0		0.17	2.00	ug/kg
72-55-9	4,4-DDE	18.9		0.17	2.00	ug/kg
72-20-8	Endrin	17.6		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.5		0.35	2.00	ug/kg
72-54-8	4,4-DDD	18.8		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	15.8		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.4		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	18.4		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	18.9		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.5		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.47		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095849.D	1	05/30/25 08:50	05/30/25 14:59	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095850.D	1	05/30/25 08:50	05/30/25 15:13	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	20.5		0.16	2.00	ug/kg
319-85-7	beta-BHC	18.8		0.21	2.00	ug/kg
319-86-8	delta-BHC	20.1		0.47	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	20.4		0.17	2.00	ug/kg
76-44-8	Heptachlor	19.0		0.14	2.00	ug/kg
309-00-2	Aldrin	20.2		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	19.9		0.23	2.00	ug/kg
959-98-8	Endosulfan I	19.4		0.17	2.00	ug/kg
60-57-1	Dieldrin	19.2		0.17	2.00	ug/kg
72-55-9	4,4-DDE	19.1		0.17	2.00	ug/kg
72-20-8	Endrin	17.9		0.17	2.00	ug/kg
33213-65-9	Endosulfan II	18.6		0.35	2.00	ug/kg
72-54-8	4,4-DDD	19.0		0.18	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	18.2		0.16	2.00	ug/kg
50-29-3	4,4-DDT	16.2		0.17	2.00	ug/kg
72-43-5	Methoxychlor	15.9		0.44	2.00	ug/kg
53494-70-5	Endrin ketone	18.9		0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	19.1		0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	19.6		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	19.6		0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.50	U	6.50	39.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.48		20 - 144	42%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.6		19 - 148	73%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-07MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095850.D	1	05/30/25 08:50	05/30/25 15:13	PB168209

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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CALIBRATION SUMMARY

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

Calibration Times: 11:35 12:29

LAB FILE ID: RT 100 = PL095735.D RT 075 = PL095736.D
RT 050 = PL095737.D RT 025 = PL095738.D RT 005 = PL095739.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L

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

Calibration Times: 11:35 12:29

GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL095735.D	CF 075 =	PL095736.D		
CF 050 =		PL095737.D	CF 025 =	PL095738.D	CF 005 =	PL095739.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3029170000	2897950000	2890660000	2805810000	3029440000	2930610000	3
4,4'-DDE	3753620000	3658270000	3631690000	3489800000	3806130000	3667900000	3
4,4'-DDT	2712830000	2654360000	2650610000	2590070000	2917840000	2705140000	5
Aldrin	4347110000	4211420000	4211170000	4079190000	4539770000	4277730000	4
alpha-BHC	5055140000	4887150000	4799900000	4583430000	4914010000	4847930000	4
alpha-Chlordane	3936090000	3857140000	3869930000	3816090000	4261610000	3948170000	5
beta-BHC	1911140000	1892640000	1930210000	1931530000	2191310000	1971370000	6
Decachlorobiphenyl	2296450000	2273040000	2304350000	2354860000	2552990000	2356340000	5
delta-BHC	4510360000	4418490000	4383980000	4233750000	4621480000	4433610000	3
Dieldrin	3903950000	3813000000	3813820000	3708570000	4056580000	3859180000	3
Endosulfan I	3625480000	3571730000	3593970000	3550090000	3982900000	3664830000	5
Endosulfan II	3313830000	3256160000	3325550000	3384990000	3949720000	3446050000	8
Endosulfan sulfate	2925470000	2895950000	2926550000	2906380000	3280250000	2986920000	6
Endrin	3186950000	3188700000	3185310000	3116310000	3456510000	3226750000	4
Endrin aldehyde	2356490000	2323760000	2365700000	2353750000	2688400000	2417620000	6
Endrin ketone	3179290000	3121440000	3135900000	3068650000	3329290000	3166910000	3
gamma-BHC (Lindane)	4588190000	4447360000	4400770000	4245410000	4677520000	4471850000	4
gamma-Chlordane	3946420000	3852300000	3845310000	3754890000	4061530000	3892090000	3
Heptachlor	3804040000	3718580000	3721520000	3622900000	4058170000	3785040000	4
Heptachlor epoxide	3727710000	3692000000	3731080000	3682110000	4251420000	3816860000	6
Methoxychlor	1252650000	1237700000	1261470000	1251380000	1373430000	1275330000	4
Tetrachloro-m-xylene	3099670000	3048860000	3065820000	3062420000	3499570000	3155270000	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2150 **SAS No.:** Q2150 **SDG NO.:** Q2150

Instrument ID: ECD_L

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

Calibration Times: 11:35 12:29

GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 =	PL095735.D	CF 075 =	PL095736.D		
CF 050 =		PL095737.D	CF 025 =	PL095738.D	CF 005 =	PL095739.D	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	4445580000	4366880000	4404380000	4229840000	4477970000	4384930000	2
4,4'-DDE	5328200000	5286620000	5342960000	5185270000	5667730000	5362160000	3
4,4'-DDT	4834370000	4768870000	4805750000	4636730000	4867260000	4782600000	2
Aldrin	5413270000	5337420000	5359250000	5094120000	5331460000	5307100000	2
alpha-BHC	6120380000	5984780000	5956690000	5567970000	5656920000	5857350000	4
alpha-Chlordane	5212180000	5117720000	5169640000	5059150000	5455120000	5202760000	3
beta-BHC	2433740000	2431120000	2471290000	2436550000	2615060000	2477550000	3
Decachlorobiphenyl	4307130000	4293010000	4424120000	4407270000	4440750000	4374460000	2
delta-BHC	5855570000	5710500000	5700250000	5411210000	5559290000	5647370000	3
Dieldrin	5312990000	5256750000	5296490000	5103800000	5530570000	5300120000	3
Endosulfan I	4730980000	4708290000	4767730000	4668460000	4949420000	4764970000	2
Endosulfan II	4687260000	4644550000	4721900000	4610060000	5095140000	4751780000	4
Endosulfan sulfate	4396050000	4376160000	4475180000	4410280000	4816080000	4494750000	4
Endrin	4781360000	4775420000	4841120000	4733510000	5249090000	4876100000	4
Endrin aldehyde	3353000000	3342650000	3418100000	3365440000	3792270000	3454290000	6
Endrin ketone	5025560000	5055710000	5163390000	5096070000	5528620000	5173870000	4
gamma-BHC (Lindane)	5738840000	5640150000	5652210000	5354130000	5620800000	5601220000	3
gamma-Chlordane	5300820000	5202550000	5232880000	5068800000	5458400000	5252690000	3
Heptachlor	5660130000	5568750000	5611780000	5421260000	5783370000	5609060000	2
Heptachlor epoxide	4854250000	4848530000	4943810000	4810760000	5229780000	4937430000	3
Methoxychlor	2503630000	2513740000	2592490000	2627630000	2843040000	2616110000	5
Tetrachloro-m-xylene	3908270000	3796990000	3846980000	3798040000	4219390000	3913940000	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.88	5.78	5.98	11156600
		2	6.27	6.17	6.37	26557800
		3	7.09	6.99	7.19	93865100
		4	7.18	7.08	7.28	65544600
		5	7.96	7.86	8.06	45659000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Instrument ID: ECD_L Date(s) Analyzed: 05/21/2025 05/21/2025

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.15	5.05	5.25	30765000
		2	5.83	5.73	5.93	34678400
		3	6.11	6.01	6.21	36071200
		4	6.75	6.65	6.85	117492000
		5	7.19	7.09	7.29	80236600

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 12:40 Initial Calibration Time(s): 11:35 12:29

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.11	9.10	9.00	9.20	-0.01
Tetrachloro-m-xylene	3.58	3.57	3.47	3.67	-0.01
alpha-BHC	4.03	4.03	3.93	4.13	0.00
beta-BHC	4.55	4.54	4.44	4.64	-0.01
delta-BHC	4.80	4.79	4.69	4.89	-0.01
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.96	4.96	4.86	5.06	0.00
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.11	6.10	6.00	6.20	-0.01
Dieldrin	6.38	6.38	6.28	6.48	0.00
4,4'-DDE	6.23	6.22	6.12	6.32	-0.01
Endrin	6.61	6.60	6.50	6.70	-0.01
Endosulfan II	6.82	6.82	6.72	6.92	0.00
4,4'-DDD	6.74	6.73	6.63	6.83	-0.01
Endosulfan sulfate	7.19	7.18	7.08	7.28	-0.01
4,4'-DDT	7.06	7.05	6.95	7.15	-0.01
Methoxychlor	7.53	7.52	7.42	7.62	-0.01
Endrin ketone	7.67	7.66	7.56	7.76	-0.01
Endrin aldehyde	6.95	6.94	6.84	7.04	-0.01
alpha-Chlordane	6.06	6.05	5.95	6.15	-0.01
gamma-Chlordane	5.98	5.97	5.87	6.07	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 12:40 Initial Calibration Time(s): 11:35 12:29

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.88	2.89	2.79	2.99	0.01
alpha-BHC	3.39	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.01
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.36	4.37	4.27	4.47	0.01
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.50	5.51	5.41	5.61	0.01
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.92	5.93	5.83	6.03	0.01
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.18	5.19	5.09	5.29	0.01
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 05/30/2025

Lab Sample No.: PSTDCCC050 Data File : PL095839.D Time Analyzed: 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.742	6.634	6.834	52.630	50.000	5.3
4,4'-DDE	6.232	6.124	6.324	48.800	50.000	-2.4
4,4'-DDT	7.058	6.950	7.150	43.650	50.000	-12.7
Aldrin	5.304	5.197	5.397	54.070	50.000	8.1
alpha-BHC	4.031	3.925	4.125	56.630	50.000	13.3
alpha-Chlordane	6.061	5.954	6.154	52.450	50.000	4.9
beta-BHC	4.550	4.444	4.644	54.950	50.000	9.9
Decachlorobiphenyl	9.114	9.003	9.203	46.650	50.000	-6.7
delta-BHC	4.798	4.692	4.892	55.280	50.000	10.6
Dieldrin	6.382	6.275	6.475	51.990	50.000	4.0
Endosulfan I	6.109	6.002	6.202	52.340	50.000	4.7
Endosulfan II	6.823	6.715	6.915	49.290	50.000	-1.4
Endosulfan sulfate	7.186	7.078	7.278	49.150	50.000	-1.7
Endrin	6.610	6.502	6.702	45.300	50.000	-9.4
Endrin aldehyde	6.952	6.844	7.044	48.220	50.000	-3.6
Endrin ketone	7.667	7.560	7.760	50.720	50.000	1.4
gamma-BHC (Lindane)	4.362	4.257	4.457	56.780	50.000	13.6
gamma-Chlordane	5.980	5.873	6.073	53.770	50.000	7.5
Heptachlor	4.961	4.855	5.055	50.260	50.000	0.5
Heptachlor epoxide	5.724	5.618	5.818	50.040	50.000	0.1
Methoxychlor	7.531	7.423	7.623	43.480	50.000	-13.0
Tetrachloro-m-xylene	3.578	3.473	3.673	56.560	50.000	13.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL01 Date Analyzed: 05/30/2025

Lab Sample No.: PSTDCCC050 Data File : PL095839.D Time Analyzed: 12:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.923	5.826	6.026	55.200	50.000	10.4
4,4'-DDE	5.371	5.274	5.474	47.740	50.000	-4.5
4,4'-DDT	6.178	6.080	6.280	41.880	50.000	-16.2
Aldrin	4.363	4.268	4.468	56.630	50.000	13.3
alpha-BHC	3.391	3.296	3.496	57.910	50.000	15.8
alpha-Chlordane	5.184	5.087	5.287	54.420	50.000	8.8
beta-BHC	4.021	3.926	4.126	55.690	50.000	11.4
Decachlorobiphenyl	8.062	7.964	8.164	43.500	50.000	-13.0
delta-BHC	4.257	4.161	4.361	55.940	50.000	11.9
Dieldrin	5.504	5.408	5.608	53.480	50.000	7.0
Endosulfan I	5.239	5.143	5.343	54.970	50.000	9.9
Endosulfan II	6.071	5.973	6.173	53.480	50.000	7.0
Endosulfan sulfate	6.472	6.375	6.575	51.060	50.000	2.1
Endrin	5.780	5.683	5.883	43.470	50.000	-13.1
Endrin aldehyde	6.249	6.151	6.351	51.400	50.000	2.8
Endrin ketone	6.978	6.880	7.080	50.750	50.000	1.5
gamma-BHC (Lindane)	3.725	3.630	3.830	56.550	50.000	13.1
gamma-Chlordane	5.119	5.023	5.223	55.410	50.000	10.8
Heptachlor	4.078	3.983	4.183	52.900	50.000	5.8
Heptachlor epoxide	4.866	4.771	4.971	57.090	50.000	14.2
Methoxychlor	6.748	6.651	6.851	41.270	50.000	-17.5
Tetrachloro-m-xylene	2.881	2.786	2.986	56.350	50.000	12.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 18:33 Initial Calibration Time(s): 11:35 12:29

GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.10	9.10	9.00	9.20	0.00
Tetrachloro-m-xylene	3.57	3.57	3.47	3.67	0.00
alpha-BHC	4.03	4.03	3.93	4.13	0.00
beta-BHC	4.54	4.54	4.44	4.64	0.00
delta-BHC	4.79	4.79	4.69	4.89	0.00
gamma-BHC (Lindane)	4.36	4.36	4.26	4.46	0.00
Heptachlor	4.96	4.96	4.86	5.06	0.01
Aldrin	5.30	5.30	5.20	5.40	0.00
Heptachlor epoxide	5.72	5.72	5.62	5.82	0.00
Endosulfan I	6.10	6.10	6.00	6.20	0.00
Dieldrin	6.38	6.38	6.28	6.48	0.00
4,4'-DDE	6.23	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.82	6.82	6.72	6.92	0.00
4,4'-DDD	6.74	6.73	6.63	6.83	-0.01
Endosulfan sulfate	7.18	7.18	7.08	7.28	0.00
4,4'-DDT	7.05	7.05	6.95	7.15	0.00
Methoxychlor	7.52	7.52	7.42	7.62	0.00
Endrin ketone	7.66	7.66	7.56	7.76	0.00
Endrin aldehyde	6.95	6.94	6.84	7.04	-0.01
alpha-Chlordane	6.06	6.05	5.95	6.15	0.00
gamma-Chlordane	5.97	5.97	5.87	6.07	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 18:33 Initial Calibration Time(s): 11:35 12:29

GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.06	8.06	7.96	8.16	0.00
Tetrachloro-m-xylene	2.89	2.89	2.79	2.99	0.01
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.02	4.03	3.93	4.13	0.01
delta-BHC	4.26	4.26	4.16	4.36	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.08	3.98	4.18	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.87	4.77	4.97	0.00
Endosulfan I	5.24	5.24	5.14	5.34	0.00
Dieldrin	5.51	5.51	5.41	5.61	0.00
4,4'-DDE	5.37	5.37	5.27	5.47	0.00
Endrin	5.78	5.78	5.68	5.88	0.00
Endosulfan II	6.07	6.07	5.97	6.17	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.47	6.48	6.38	6.58	0.01
4,4'-DDT	6.18	6.18	6.08	6.28	0.00
Methoxychlor	6.75	6.75	6.65	6.85	0.00
Endrin ketone	6.98	6.98	6.88	7.08	0.00
Endrin aldehyde	6.25	6.25	6.15	6.35	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.12	5.12	5.02	5.22	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 05/30/2025

Lab Sample No.: PSTDCCC050 Data File : PL095859.D Time Analyzed: 18:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.735	6.634	6.834	50.550	50.000	1.1
4,4'-DDE	6.225	6.124	6.324	51.080	50.000	2.2
4,4'-DDT	7.050	6.950	7.150	53.550	50.000	7.1
Aldrin	5.297	5.197	5.397	51.670	50.000	3.3
alpha-BHC	4.025	3.925	4.125	54.220	50.000	8.4
alpha-Chlordane	6.055	5.954	6.154	50.700	50.000	1.4
beta-BHC	4.544	4.444	4.644	52.730	50.000	5.5
Decachlorobiphenyl	9.103	9.003	9.203	51.680	50.000	3.4
delta-BHC	4.792	4.692	4.892	48.340	50.000	-3.3
Dieldrin	6.375	6.275	6.475	51.390	50.000	2.8
Endosulfan I	6.102	6.002	6.202	50.990	50.000	2.0
Endosulfan II	6.816	6.715	6.915	54.940	50.000	9.9
Endosulfan sulfate	7.179	7.078	7.278	51.290	50.000	2.6
Endrin	6.603	6.502	6.702	51.420	50.000	2.8
Endrin aldehyde	6.945	6.844	7.044	51.330	50.000	2.7
Endrin ketone	7.660	7.560	7.760	51.090	50.000	2.2
gamma-BHC (Lindane)	4.356	4.257	4.457	54.370	50.000	8.7
gamma-Chlordane	5.973	5.873	6.073	50.760	50.000	1.5
Heptachlor	4.955	4.855	5.055	52.490	50.000	5.0
Heptachlor epoxide	5.719	5.618	5.818	49.240	50.000	-1.5
Methoxychlor	7.523	7.423	7.623	54.700	50.000	9.4
Tetrachloro-m-xylene	3.572	3.473	3.673	53.520	50.000	7.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No.: CCAL02 Date Analyzed: 05/30/2025

Lab Sample No.: PSTDCCC050 Data File : PL095859.D Time Analyzed: 18:33

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.925	5.826	6.026	49.660	50.000	-0.7
4,4'-DDE	5.373	5.274	5.474	50.560	50.000	1.1
4,4'-DDT	6.179	6.080	6.280	48.750	50.000	-2.5
Aldrin	4.366	4.268	4.468	53.760	50.000	7.5
alpha-BHC	3.395	3.296	3.496	54.870	50.000	9.7
alpha-Chlordane	5.186	5.087	5.287	51.750	50.000	3.5
beta-BHC	4.024	3.926	4.126	52.720	50.000	5.4
Decachlorobiphenyl	8.063	7.964	8.164	46.490	50.000	-7.0
delta-BHC	4.260	4.161	4.361	53.340	50.000	6.7
Dieldrin	5.507	5.408	5.608	50.790	50.000	1.6
Endosulfan I	5.242	5.143	5.343	51.710	50.000	3.4
Endosulfan II	6.072	5.973	6.173	49.930	50.000	-0.1
Endosulfan sulfate	6.474	6.375	6.575	48.620	50.000	-2.8
Endrin	5.782	5.683	5.883	51.010	50.000	2.0
Endrin aldehyde	6.250	6.151	6.351	49.370	50.000	-1.3
Endrin ketone	6.979	6.880	7.080	45.180	50.000	-9.6
gamma-BHC (Lindane)	3.728	3.630	3.830	53.950	50.000	7.9
gamma-Chlordane	5.122	5.023	5.223	51.880	50.000	3.8
Heptachlor	4.081	3.983	4.183	53.780	50.000	7.6
Heptachlor epoxide	4.869	4.771	4.971	52.620	50.000	5.2
Methoxychlor	6.750	6.651	6.851	47.570	50.000	-4.9
Tetrachloro-m-xylene	2.885	2.786	2.986	53.470	50.000	6.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **CAMP02**

Lab Code: **CHEM** Case No.: **Q2150** SAS No.: **Q2150** SDG NO.: **Q2150**

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.103	9.000	9.200	21.750	20.000	8.8
Tetrachloro-m-xylene	3.573	3.520	3.620	20.300	20.000	1.5
alpha-BHC	4.025	3.970	4.080	9.870	10.000	-1.3
beta-BHC	4.544	4.490	4.590	10.330	10.000	3.3
gamma-BHC (Lindane)	4.356	4.310	4.410	10.120	10.000	1.2
Endrin	6.602	6.530	6.670	51.510	50.000	3.0
4,4'-DDT	7.049	6.980	7.120	98.360	100.000	-1.6
Methoxychlor	7.523	7.450	7.590	249.140	250.000	-0.3

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **05/21/2025** **05/21/2025**

Client Sample No. (PEM): **PEM - PL095733.D** Date Analyzed: **05/21/2025**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:01**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	20.860	20.000	4.3
Tetrachloro-m-xylene	2.886	2.840	2.940	19.970	20.000	-0.2
alpha-BHC	3.396	3.350	3.450	9.630	10.000	-3.7
beta-BHC	4.024	3.970	4.070	10.010	10.000	0.1
gamma-BHC (Lindane)	3.730	3.680	3.780	9.770	10.000	-2.3
Endrin	5.782	5.710	5.850	51.350	50.000	2.7
4,4'-DDT	6.179	6.110	6.250	105.590	100.000	5.6
Methoxychlor	6.750	6.680	6.820	232.680	250.000	-6.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150 SAS No.: Q2150 SDG NO.: Q2150

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095835.D Date Analyzed: 05/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.105	9.000	9.210	21.880	20.000	9.4
Tetrachloro-m-xylene	3.573	3.520	3.620	23.720	20.000	18.6
alpha-BHC	4.025	3.970	4.080	11.500	10.000	15.0
beta-BHC	4.545	4.490	4.600	11.780	10.000	17.8
gamma-BHC (Lindane)	4.357	4.310	4.410	11.730	10.000	17.3
Endrin	6.603	6.530	6.670	52.970	50.000	5.9
4,4'-DDT	7.051	6.980	7.120	97.310	100.000	-2.7
Methoxychlor	7.524	7.450	7.590	238.170	250.000	-4.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/21/2025 05/21/2025

Client Sample No. (PEM): PEM - PL095835.D Date Analyzed: 05/30/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:10

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.063	7.960	8.160	21.510	20.000	7.6
Tetrachloro-m-xylene	2.886	2.840	2.940	23.260	20.000	16.3
alpha-BHC	3.396	3.350	3.450	11.320	10.000	13.2
beta-BHC	4.024	3.970	4.070	11.850	10.000	18.5
gamma-BHC (Lindane)	3.729	3.680	3.780	11.360	10.000	13.6
Endrin	5.782	5.710	5.850	54.050	50.000	8.1
4,4'-DDT	6.179	6.110	6.250	105.040	100.000	5.0
Methoxychlor	6.750	6.680	6.820	221.430	250.000	-11.4

Analytical Sequence

Client: CDM Smith	SDG No.: Q2150	
Project: South River WM Replacement	Instrument ID: ECD_L	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 05/21/2025 05/21/2025

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	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	9.10	3.57
PEM	PEM	05/21/2025	11:01	PL095733.D	9.10	3.57
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	9.10	3.57
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	9.10	3.57
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	9.10	3.57
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	9.10	3.57
PEM	PEM	05/30/2025	09:10	PL095835.D	9.11	3.57
IBLK	IBLK	05/30/2025	11:17	PL095838.D	9.11	3.58
PSTDCCC050	PSTDCCC050	05/30/2025	12:40	PL095839.D	9.11	3.58
PB168209BL	PB168209BL	05/30/2025	12:57	PL095840.D	9.11	3.58
TP-44	Q2150-01	05/30/2025	13:24	PL095842.D	9.11	3.57
TP-42	Q2150-02	05/30/2025	13:38	PL095843.D	9.11	3.57
TP-39	Q2150-03	05/30/2025	13:51	PL095844.D	9.11	3.57
TP-48	Q2150-04	05/30/2025	14:05	PL095845.D	9.11	3.57
TP-47	Q2150-05	05/30/2025	14:18	PL095846.D	9.11	3.57
TP-50	Q2150-06	05/30/2025	14:32	PL095847.D	9.11	3.57
TP-51	Q2150-07	05/30/2025	14:46	PL095848.D	9.10	3.57
TP-51MS	Q2150-07MS	05/30/2025	14:59	PL095849.D	9.10	3.57
TP-51MSD	Q2150-07MSD	05/30/2025	15:13	PL095850.D	9.11	3.57
TP-52	Q2150-08	05/30/2025	15:26	PL095851.D	9.11	3.57
TP-54	Q2150-09	05/30/2025	15:40	PL095852.D	9.11	3.57
TP-53	Q2150-10	05/30/2025	15:54	PL095853.D	9.11	3.57
PB168209BS	PB168209BS	05/30/2025	16:07	PL095854.D	9.11	3.57
IBLK	IBLK	05/30/2025	18:19	PL095858.D	9.11	3.58
PSTDCCC050	PSTDCCC050	05/30/2025	18:33	PL095859.D	9.10	3.57

Analytical Sequence

Client: CDM Smith	SDG No.: Q2150
Project: South River WM Replacement	Instrument ID: ECD_L
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/21/2025 05/21/2025

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	DCB RT #	TCX RT #
IBLK	IBLK	05/21/2025	10:47	PL095732.D	8.06	2.89
PEM	PEM	05/21/2025	11:01	PL095733.D	8.06	2.89
RESCHK	RESCHK	05/21/2025	11:14	PL095734.D	8.06	2.89
PSTDICC100	PSTDICC100	05/21/2025	11:35	PL095735.D	8.06	2.88
PSTDICC075	PSTDICC075	05/21/2025	11:48	PL095736.D	8.06	2.89
PSTDICC050	PSTDICC050	05/21/2025	12:02	PL095737.D	8.06	2.89
PSTDICC025	PSTDICC025	05/21/2025	12:15	PL095738.D	8.06	2.89
PSTDICC005	PSTDICC005	05/21/2025	12:29	PL095739.D	8.06	2.89
PCHLORICC500	PCHLORICC500	05/21/2025	13:10	PL095742.D	8.06	2.89
PTOXICC500	PTOXICC500	05/21/2025	14:18	PL095747.D	8.06	2.89
PEM	PEM	05/30/2025	09:10	PL095835.D	8.06	2.89
IBLK	IBLK	05/30/2025	11:17	PL095838.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/30/2025	12:40	PL095839.D	8.06	2.88
PB168209BL	PB168209BL	05/30/2025	12:57	PL095840.D	8.06	2.88
TP-44	Q2150-01	05/30/2025	13:24	PL095842.D	8.06	2.89
TP-42	Q2150-02	05/30/2025	13:38	PL095843.D	8.06	2.89
TP-39	Q2150-03	05/30/2025	13:51	PL095844.D	8.06	2.89
TP-48	Q2150-04	05/30/2025	14:05	PL095845.D	8.06	2.89
TP-47	Q2150-05	05/30/2025	14:18	PL095846.D	8.06	2.89
TP-50	Q2150-06	05/30/2025	14:32	PL095847.D	8.06	2.89
TP-51	Q2150-07	05/30/2025	14:46	PL095848.D	8.06	2.89
TP-51MS	Q2150-07MS	05/30/2025	14:59	PL095849.D	8.06	2.89
TP-51MSD	Q2150-07MSD	05/30/2025	15:13	PL095850.D	8.06	2.89
TP-52	Q2150-08	05/30/2025	15:26	PL095851.D	8.06	2.89
TP-54	Q2150-09	05/30/2025	15:40	PL095852.D	8.06	2.89
TP-53	Q2150-10	05/30/2025	15:54	PL095853.D	8.06	2.89
PB168209BS	PB168209BS	05/30/2025	16:07	PL095854.D	8.06	2.89
IBLK	IBLK	05/30/2025	18:19	PL095858.D	8.06	2.88
PSTDCCC050	PSTDCCC050	05/30/2025	18:33	PL095859.D	8.06	2.89

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168209BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2150

SAS No.: Q2150

SDG NO.: Q2150

Lab Sample ID: PB168209BS

Date(s) Analyzed: 05/30/2025

05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column: (2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.74	6.69	6.79	17.1	5.1
	2	5.93	5.88	5.98	18.0	
4,4'-DDT	1	7.05	7.00	7.10	13.8	2.9
	2	6.18	6.13	6.23	14.2	
alpha-BHC	1	4.03	3.98	4.08	17.2	4.5
	2	3.40	3.35	3.45	18.0	
Aldrin	1	5.30	5.25	5.35	17.0	5.7
	2	4.37	4.32	4.42	18.0	
beta-BHC	1	4.54	4.49	4.59	16.8	3
	2	4.03	3.98	4.08	16.3	
alpha-Chlordane	1	6.05	6.00	6.10	16.6	4.7
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.22	6.17	6.27	16.2	5.4
	2	5.37	5.32	5.42	17.1	
Endosulfan II	1	6.82	6.77	6.87	15.6	8.6
	2	6.07	6.02	6.12	17.0	
Endrin aldehyde	1	6.95	6.90	7.00	16.0	6.1
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	15.6	4.4
	2	6.47	6.42	6.52	16.3	
Methoxychlor	1	7.52	7.47	7.57	13.7	3
	2	6.75	6.70	6.80	13.3	
Endrin ketone	1	7.66	7.61	7.71	16.5	2.4
	2	6.98	6.93	7.03	16.9	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.3	3.4
	2	3.73	3.68	3.78	17.9	
Heptachlor	1	4.95	4.90	5.00	16.2	4.2
	2	4.08	4.03	4.13	16.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168209BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168209BS

Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
delta-BHC	1	4.79	4.74	4.84	16.0	4.3
	2	4.26	4.21	4.31	16.7	
Heptachlor epoxide	1	5.72	5.67	5.77	17.0	4
	2	4.87	4.82	4.92	17.7	
Endosulfan I	1	6.10	6.05	6.15	16.6	1.2
	2	5.24	5.19	5.29	16.8	
gamma-Chlordane	1	5.97	5.92	6.02	16.9	4.6
	2	5.12	5.07	5.17	17.7	
Dieldrin	1	6.38	6.33	6.43	16.6	5.3
	2	5.51	5.46	5.56	17.5	
Endrin	1	6.60	6.55	6.65	14.6	7.3
	2	5.78	5.73	5.83	15.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-44

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2150

SAS No.: Q2150

SDG NO.: Q2150

Lab Sample ID: Q2150-01

Date(s) Analyzed: 05/30/2025

05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-Chlordane	1	5.97	5.92	6.02	0.30	23.3
	2	5.12	5.07	5.17	0.24	
alpha-Chlordane	1	6.06	6.01	6.11	0.76	39.7
	2	5.19	5.14	5.24	0.51	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-50

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2150

SAS No.: Q2150

SDG NO.: Q2150

Lab Sample ID: Q2150-06

Date(s) Analyzed: 05/30/2025

05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
gamma-Chlordane	1	5.97	5.92	6.02	0.80	76.9
	2	5.12	5.07	5.17	0.36	
alpha-Chlordane	1	6.06	6.01	6.11	1.40	51.7
	2	5.18	5.13	5.23	0.83	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-07MS

Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
4,4'-DDD	1	6.74	6.69	6.79	18.8	0.5
	2	5.93	5.88	5.98	18.7	
4,4'-DDT	1	7.05	7.00	7.10	15.2	3.9
	2	6.18	6.13	6.23	15.8	
alpha-BHC	1	4.02	3.97	4.07	19.7	3.5
	2	3.40	3.35	3.45	20.4	
Aldrin	1	5.30	5.25	5.35	19.2	4.1
	2	4.37	4.32	4.42	20.0	
beta-BHC	1	4.54	4.49	4.59	18.8	0.5
	2	4.03	3.98	4.08	18.9	
delta-BHC	1	4.79	4.74	4.84	19.3	3.1
	2	4.26	4.21	4.31	19.9	
alpha-Chlordane	1	6.06	6.01	6.11	18.4	5.3
	2	5.19	5.14	5.24	19.4	
4,4'-DDE	1	6.23	6.18	6.28	18.2	3.8
	2	5.37	5.32	5.42	18.9	
Endosulfan II	1	6.82	6.77	6.87	17.1	7.9
	2	6.07	6.02	6.12	18.5	
Endrin aldehyde	1	6.95	6.90	7.00	18.2	3.8
	2	6.25	6.20	6.30	18.9	
Endosulfan sulfate	1	7.18	7.13	7.23	16.9	5.2
	2	6.47	6.42	6.52	17.8	
Methoxychlor	1	7.52	7.47	7.57	15.4	1.3
	2	6.75	6.70	6.80	15.2	
Endrin ketone	1	7.66	7.61	7.71	17.8	3.3
	2	6.98	6.93	7.03	18.4	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	19.6	3.5
	2	3.73	3.68	3.78	20.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-07MS

Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Heptachlor	1	4.96	4.91	5.01	18.1	5.4
	2	4.08	4.03	4.13	19.1	
Heptachlor epoxide	1	5.72	5.67	5.77	19.1	3.1
	2	4.87	4.82	4.92	19.7	
Endosulfan I	1	6.10	6.05	6.15	18.6	2.7
	2	5.24	5.19	5.29	19.1	
gamma-Chlordane	1	5.97	5.92	6.02	18.9	3.1
	2	5.12	5.07	5.17	19.5	
Dieldrin	1	6.38	6.33	6.43	18.4	3.2
	2	5.51	5.46	5.56	19.0	
Endrin	1	6.60	6.55	6.65	16.9	4.1
	2	5.78	5.73	5.83	17.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-07MSD

Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan II	1	6.82	6.77	6.87	17.2	7.8
	2	6.07	6.02	6.12	18.6	
4,4'-DDD	1	6.74	6.69	6.79	18.9	0.5
	2	5.93	5.88	5.98	19.0	
4,4'-DDT	1	7.05	7.00	7.10	15.3	5.7
	2	6.18	6.13	6.23	16.2	
Endrin aldehyde	1	6.95	6.90	7.00	18.2	4.8
	2	6.25	6.20	6.30	19.1	
Endosulfan sulfate	1	7.18	7.13	7.23	17.6	3.4
	2	6.47	6.42	6.52	18.2	
Methoxychlor	1	7.52	7.47	7.57	15.9	3.2
	2	6.75	6.70	6.80	15.4	
Endrin ketone	1	7.66	7.61	7.71	17.9	5.4
	2	6.98	6.93	7.03	18.9	
alpha-BHC	1	4.03	3.98	4.08	19.8	3.5
	2	3.40	3.35	3.45	20.5	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	19.7	3.5
	2	3.73	3.68	3.78	20.4	
Heptachlor	1	4.96	4.91	5.01	18.2	4.3
	2	4.08	4.03	4.13	19.0	
Aldrin	1	5.30	5.25	5.35	19.3	4.6
	2	4.37	4.32	4.42	20.2	
beta-BHC	1	4.55	4.50	4.60	18.8	0
	2	4.03	3.98	4.08	18.8	
delta-BHC	1	4.79	4.74	4.84	19.4	3.5
	2	4.26	4.21	4.31	20.1	
Heptachlor epoxide	1	5.72	5.67	5.77	19.2	3.6
	2	4.87	4.82	4.92	19.9	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-51MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: Q2150-07MSD

Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR1 ID: 0.32 (mm)

GC Column: (2): ZB-MR2 ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endosulfan I	1	6.10	6.05	6.15	18.7	3.7
	2	5.24	5.19	5.29	19.4	
gamma-Chlordane	1	5.97	5.92	6.02	19.0	3.1
	2	5.12	5.07	5.17	19.6	
alpha-Chlordane	1	6.06	6.01	6.11	18.5	5.8
	2	5.19	5.14	5.24	19.6	
4,4'-DDE	1	6.23	6.18	6.28	18.3	4.3
	2	5.37	5.32	5.42	19.1	
Dieldrin	1	6.38	6.33	6.43	18.5	3.7
	2	5.51	5.46	5.56	19.2	
Endrin	1	6.60	6.55	6.65	17.0	5.2
	2	5.78	5.73	5.83	17.9	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095842.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 13:24
 Operator : AR\AJ
 Sample : Q2150-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-44

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:52:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.885	36363777	44005242	11.525	11.243
28) SA Decachlor...	9.105	8.063	20658463	31866376	8.767	7.285
Target Compounds						
10) B gamma-Chl...	5.972	5.121	2795399	3019453	0.718m	0.575m
11) B alpha-Chl...	6.057	5.185	7158092	6283936	1.813	1.208m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:24
Operator : AR\AJ
Sample : Q2150-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

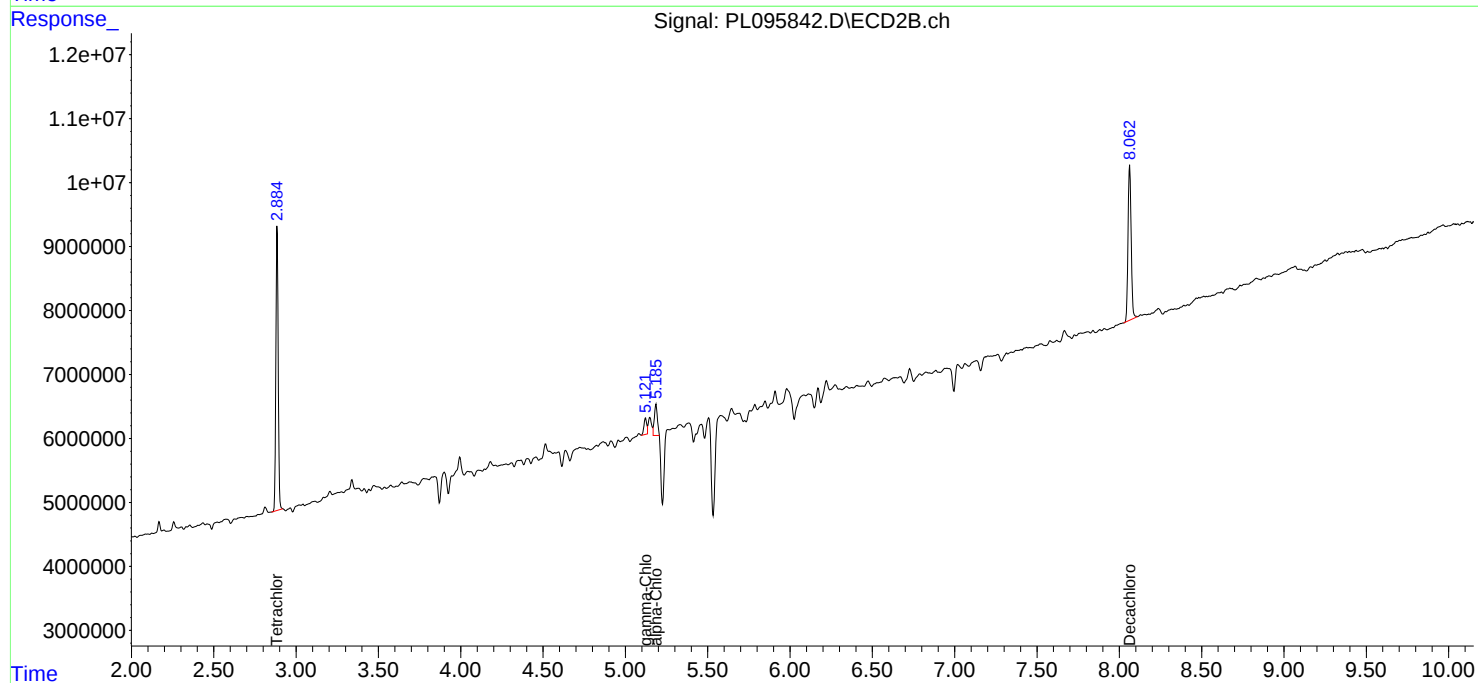
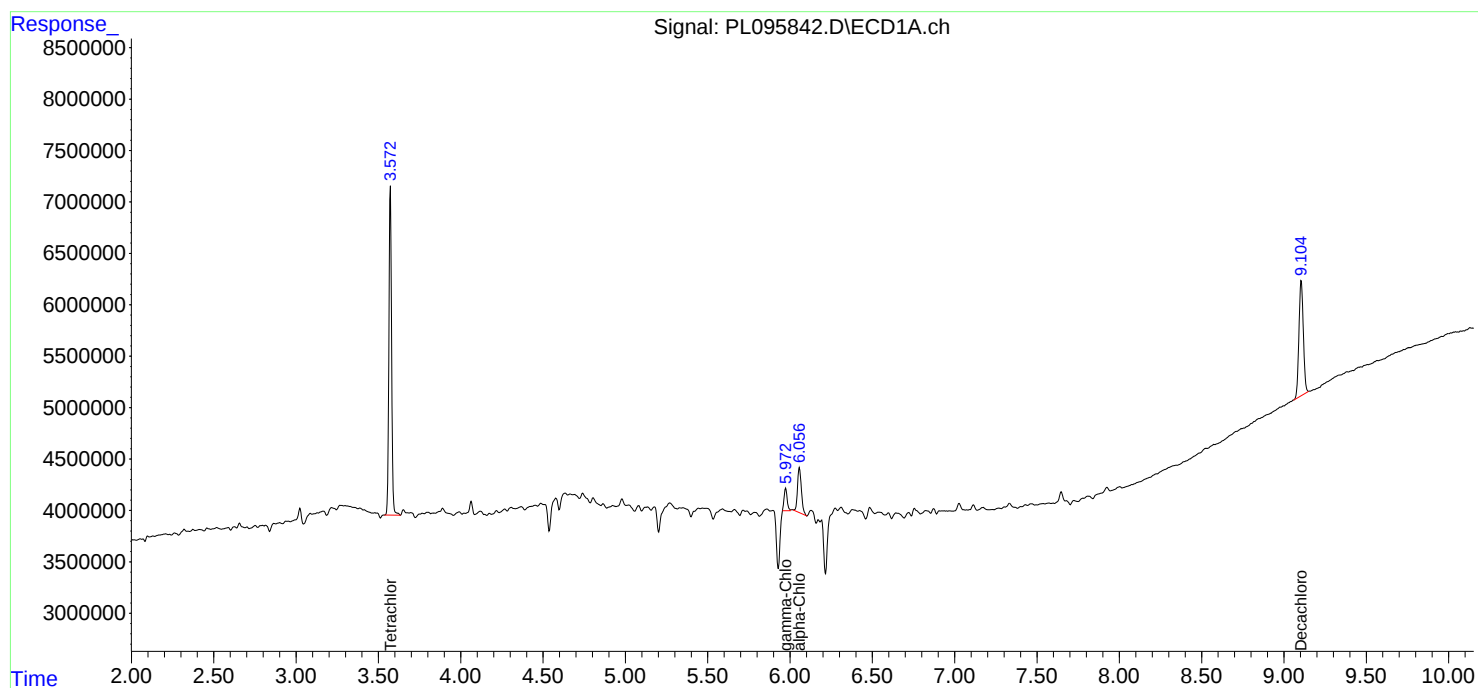
Instrument :
ECD_L
ClientSampleId :
TP-44

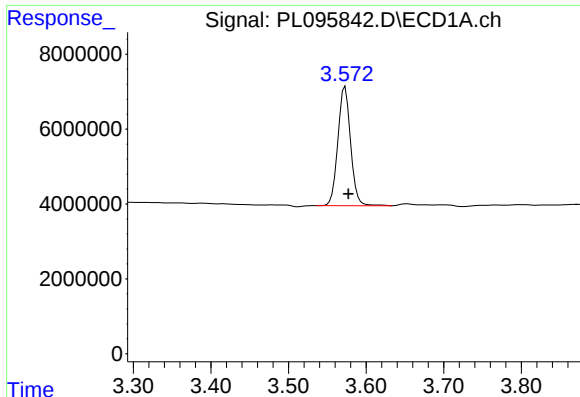
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





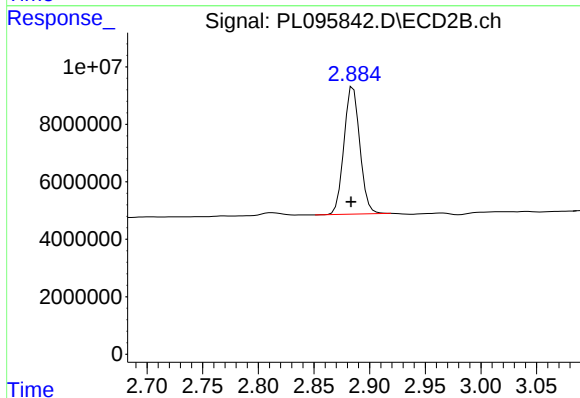
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 36363777
Conc: 11.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-44

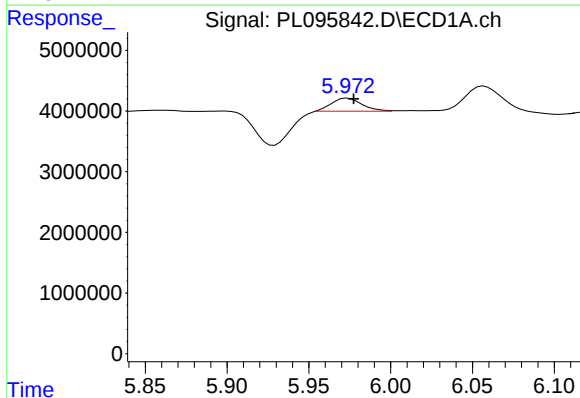
**Manual Integrations
APPROVED**

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



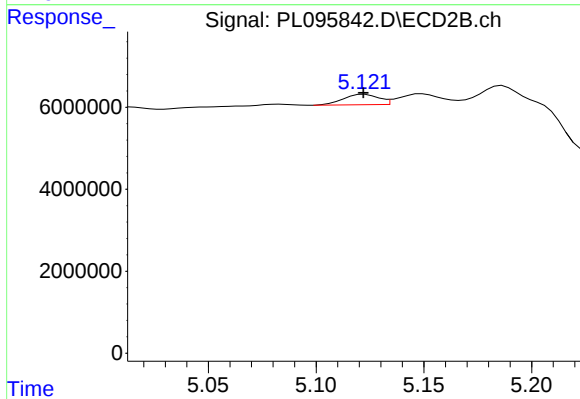
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 44005242
Conc: 11.24 ng/ml



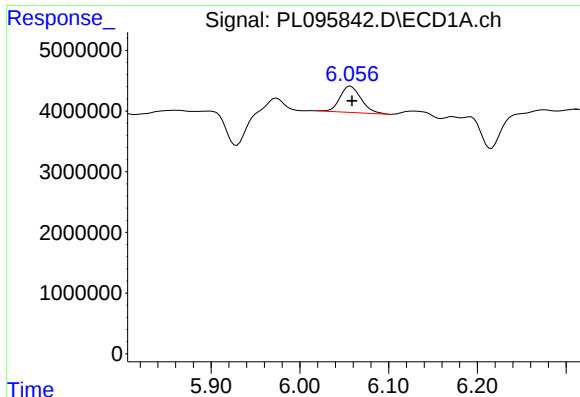
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 2795399
Conc: 0.72 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 3019453
Conc: 0.57 ng/ml m



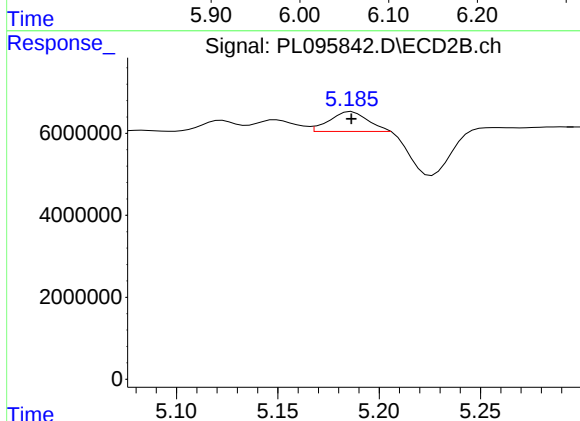
#11 alpha-Chlordane

R.T.: 6.057 min
Delta R.T.: -0.002 min
Response: 7158092
Conc: 1.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-44

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 6283936
Conc: 1.21 ng/ml m

#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 20658463
Conc: 8.77 ng/ml

#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 31866376
Conc: 7.28 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:38
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-42

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 30 22:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	38913594	47027429	12.333	12.015
28) SA Decachlor...	9.105	8.064	19388323	29929885	8.228	6.842

Target Compounds

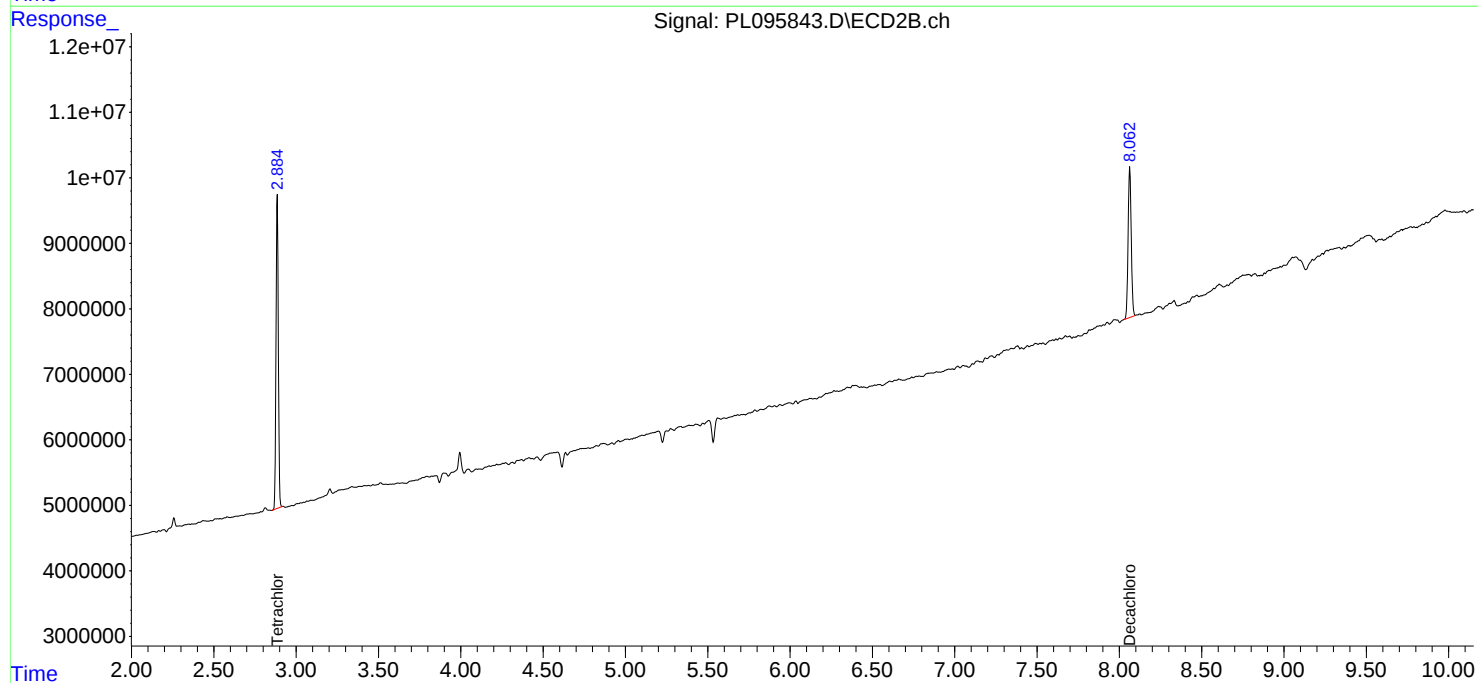
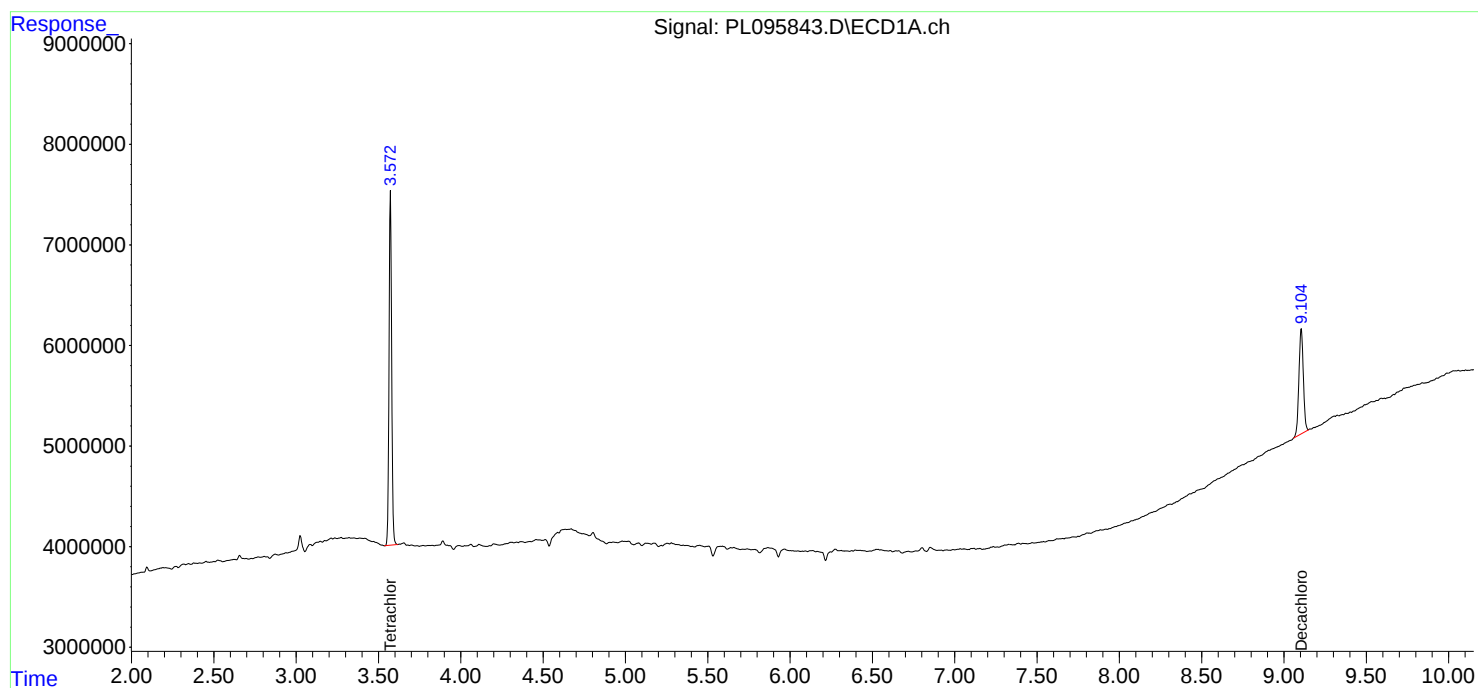
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

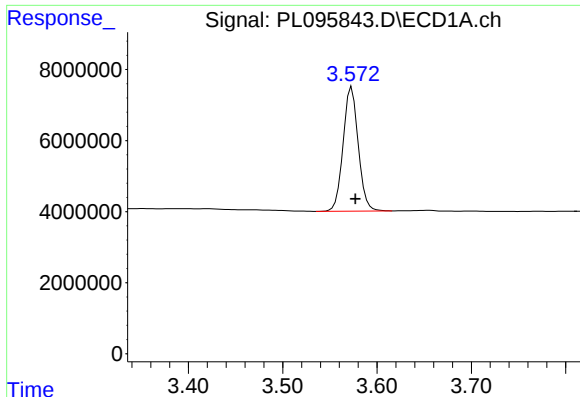
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:38
Operator : AR\AJ
Sample : Q2150-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

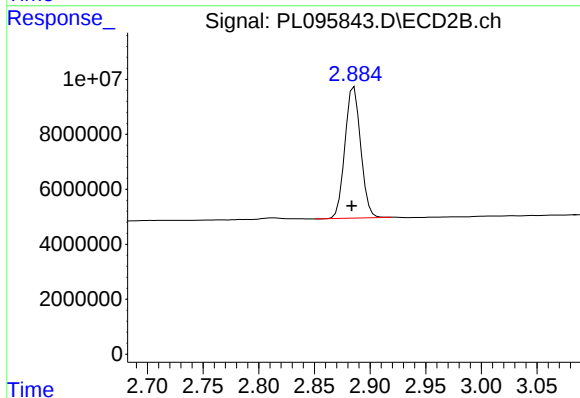




#1 Tetrachloro-m-xylene

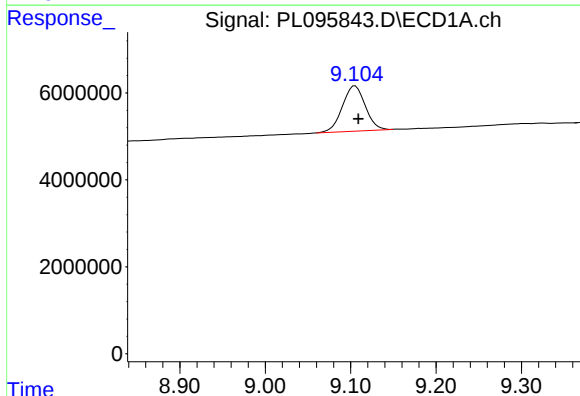
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 38913594
Conc: 12.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-42



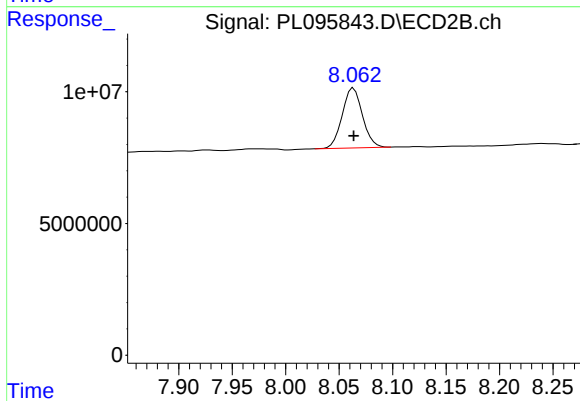
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 47027429
Conc: 12.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 19388323
Conc: 8.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 29929885
Conc: 6.84 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 13:51
 Operator : AR\AJ
 Sample : Q2150-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-39

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:52:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	55009401	68255122	17.434m	17.439
2) SA Decachlor...	9.105	8.063	21653015	36843317	9.189	8.422

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:51
Operator : AR\AJ
Sample : Q2150-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

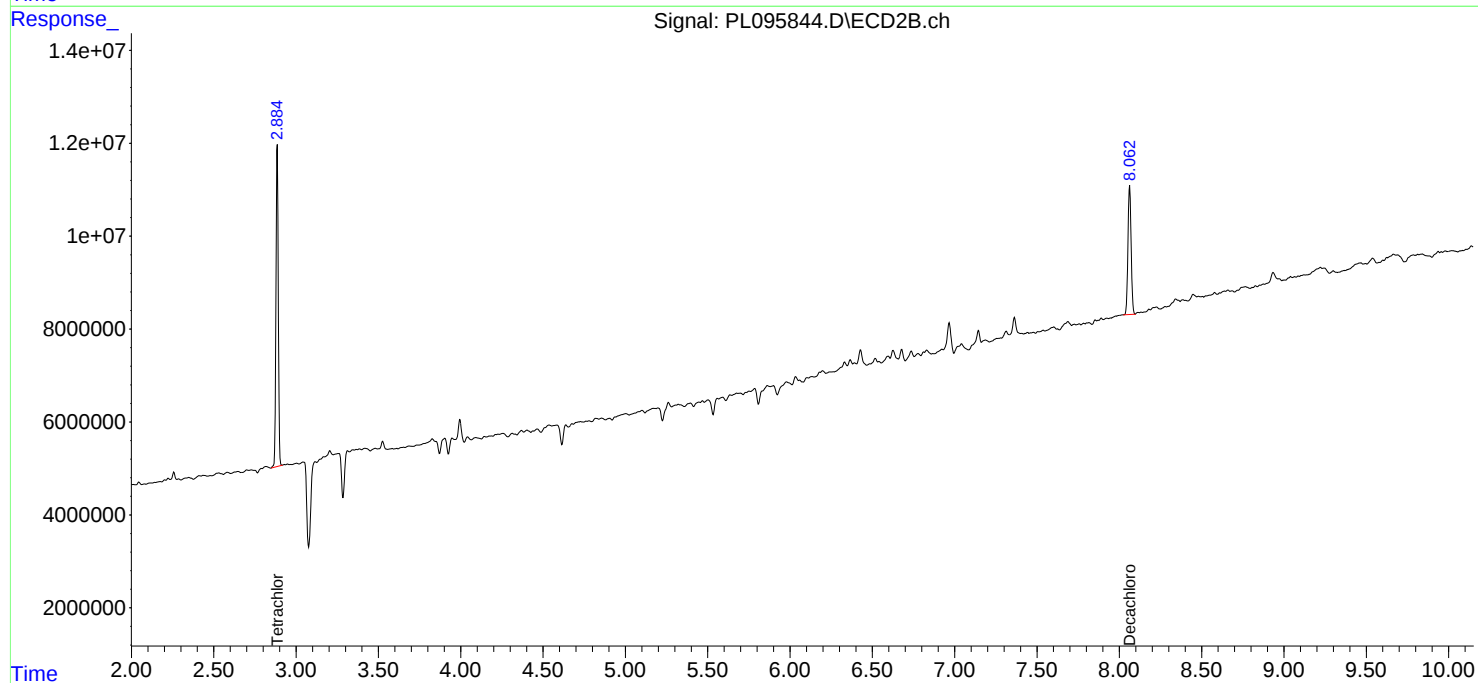
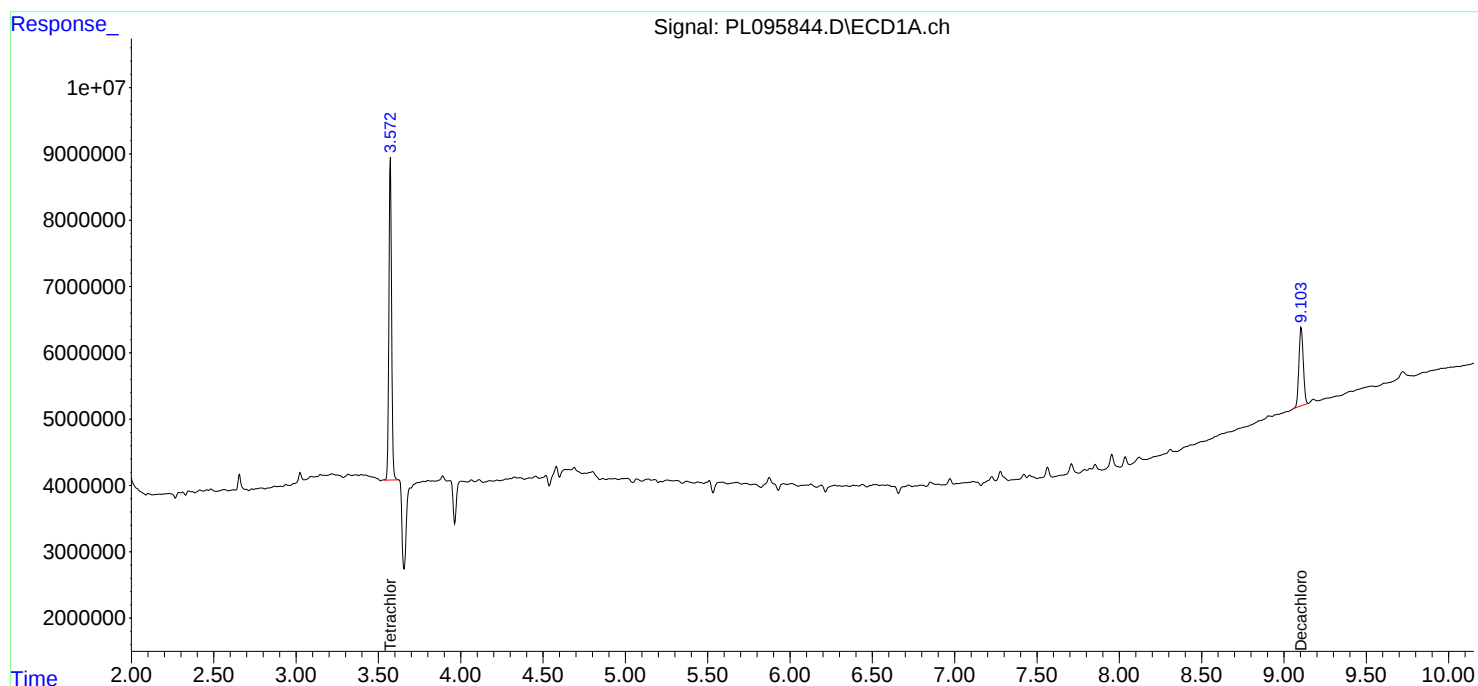
Instrument :
ECD_L
ClientSampleId :
TP-39

Manual Integrations
APPROVED

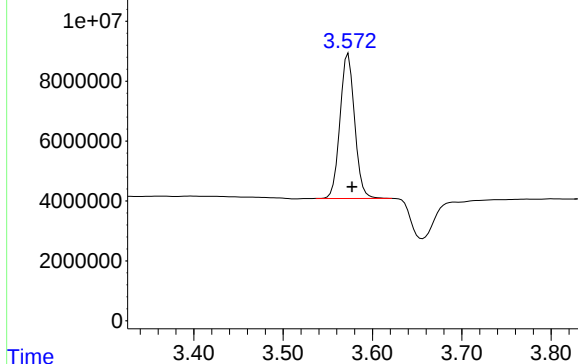
Reviewed By : Abdul Mirza 06/02/2025
Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL095844.D\ECD1A.ch



#1 Tetrachloro-m-xylene

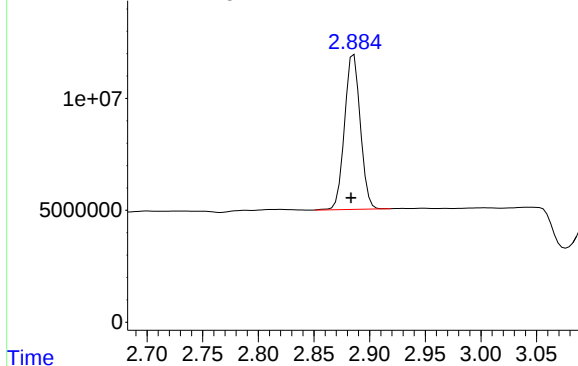
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 55009401
Conc: 17.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-39

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

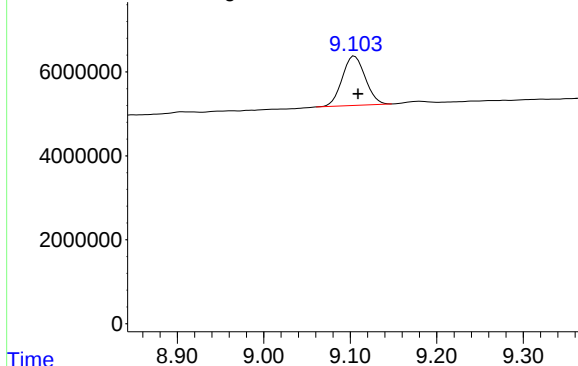
Response_ Signal: PL095844.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 68255122
Conc: 17.44 ng/ml

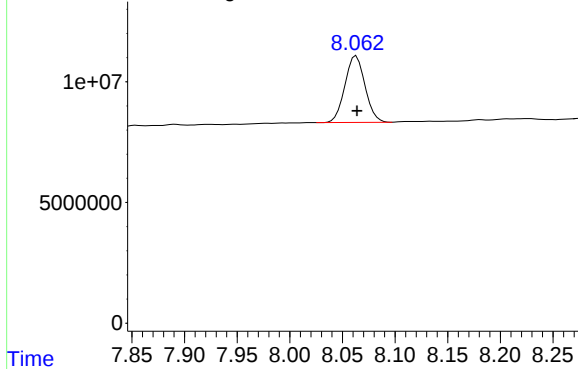
Response_ Signal: PL095844.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 21653015
Conc: 9.19 ng/ml

Response_ Signal: PL095844.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 36843317
Conc: 8.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:05
 Operator : AR\AJ
 Sample : Q2150-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-48

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 30 22:52:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	31781236	38422331	10.072	9.817
28) SA Decachlor...	9.105	8.063	20281440	32433545	8.607	7.414

Target Compounds

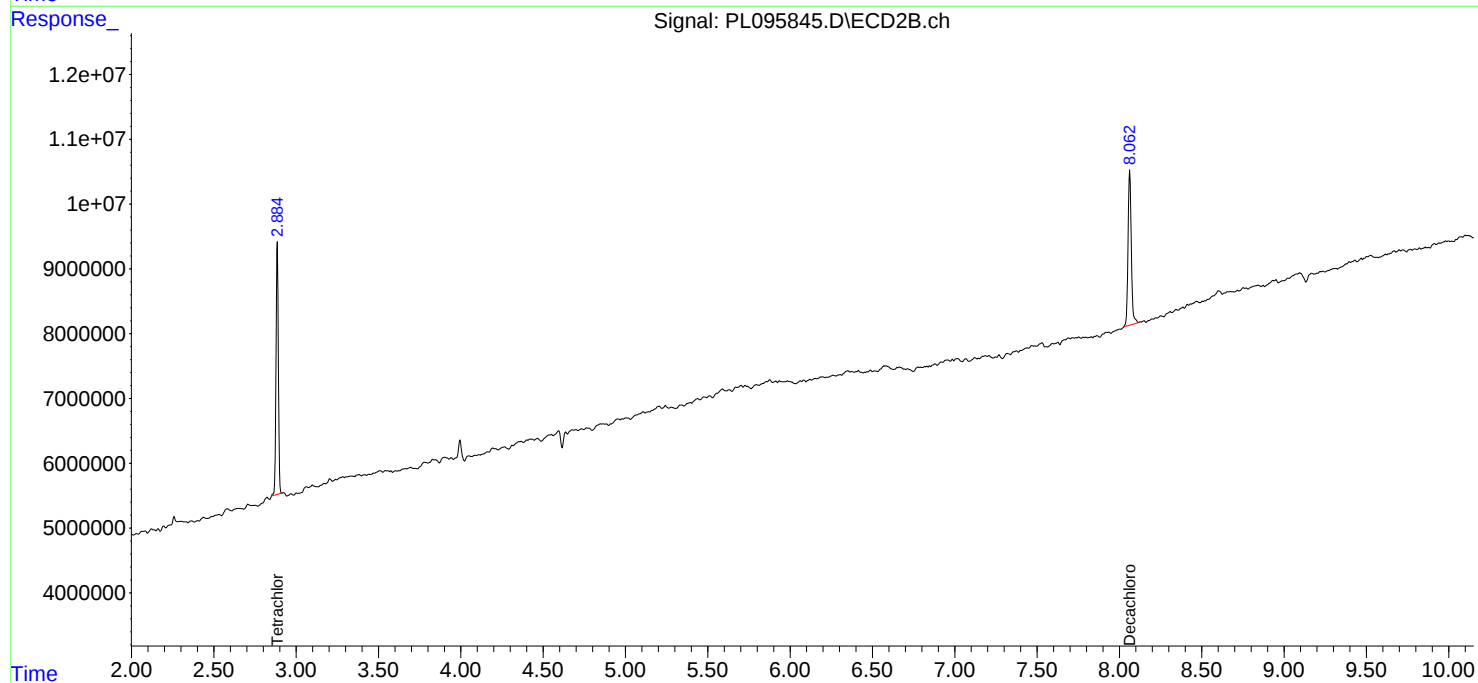
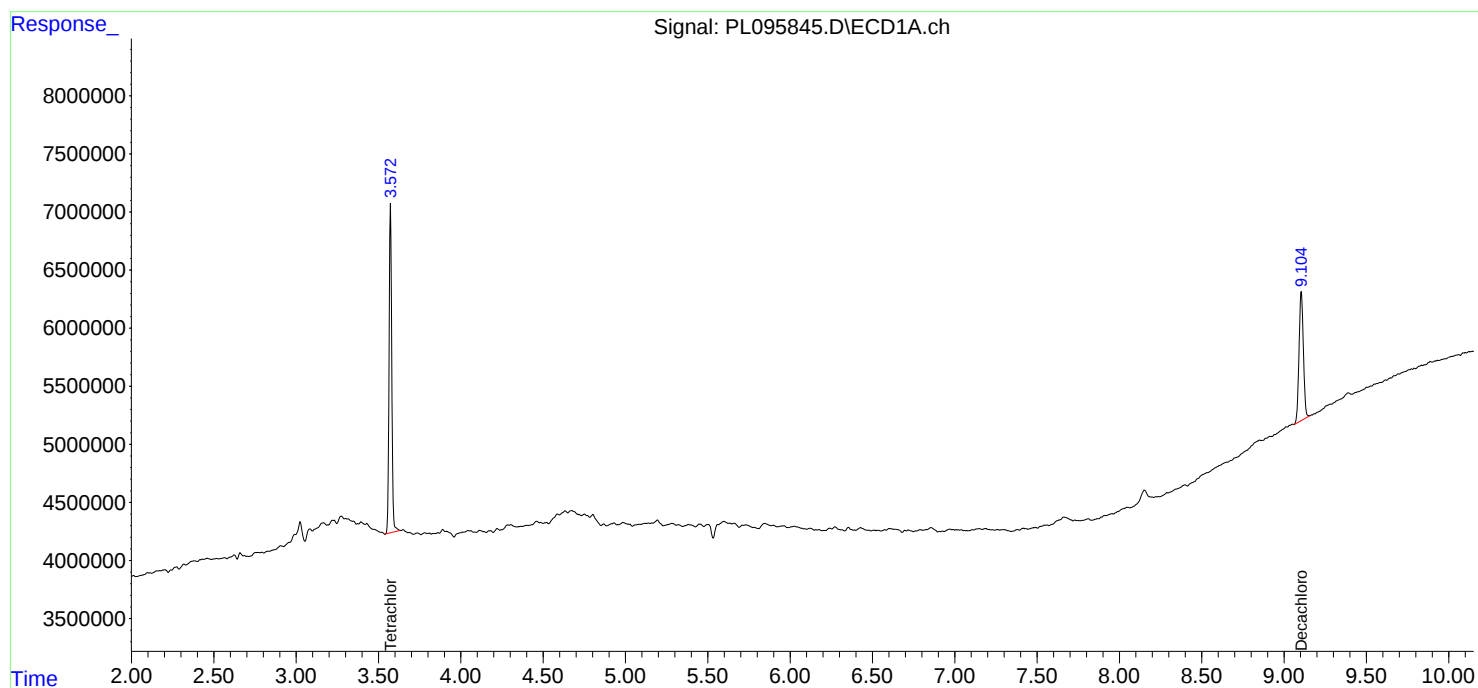
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095845.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:05
Operator : AR\AJ
Sample : Q2150-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

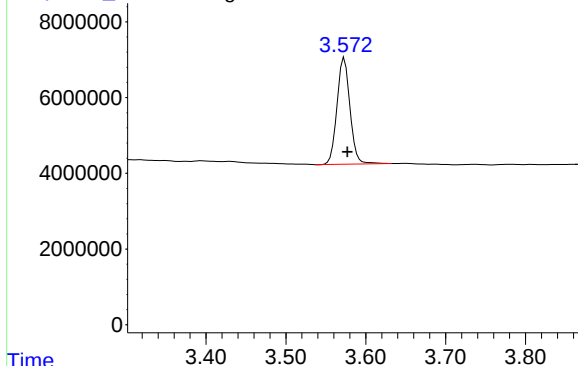
Instrument :
ECD_L
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:52:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL095845.D\ECD1A.ch

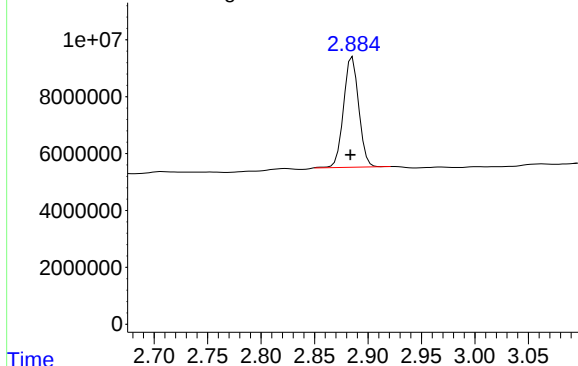


#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 31781236
Conc: 10.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-48

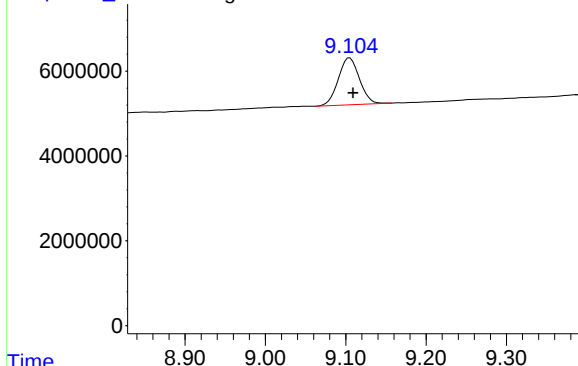
Time Response_ Signal: PL095845.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 38422331
Conc: 9.82 ng/ml

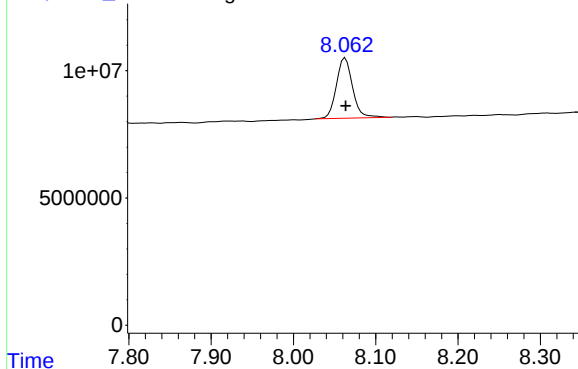
Time Response_ Signal: PL095845.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 20281440
Conc: 8.61 ng/ml

Time Response_ Signal: PL095845.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 32433545
Conc: 7.41 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:18
 Operator : AR\AJ
 Sample : Q2150-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-47

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/02/2025
 Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.571	2.886	57844821	72074466	18.333m	18.415
2) SA Decachlor...	9.106	8.064	26913847	43943693	11.422	10.046

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:18
Operator : AR\AJ
Sample : Q2150-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

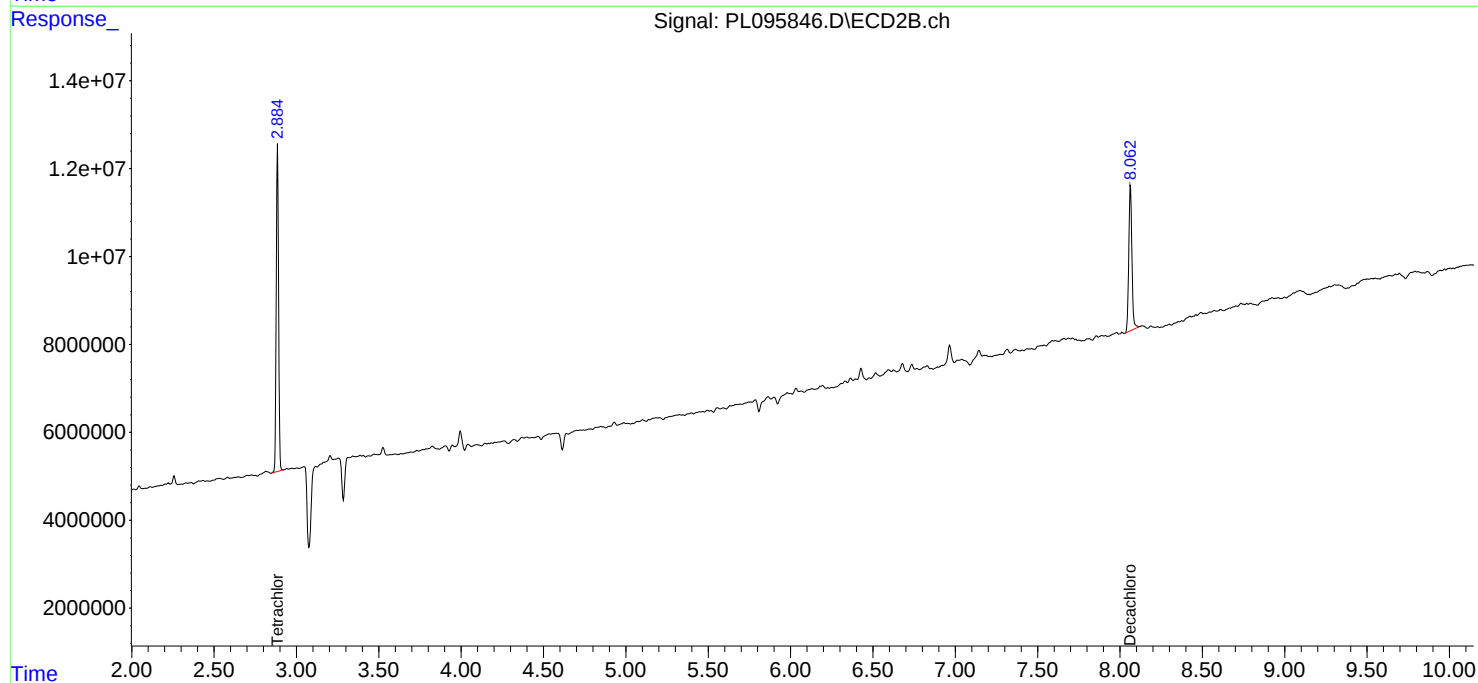
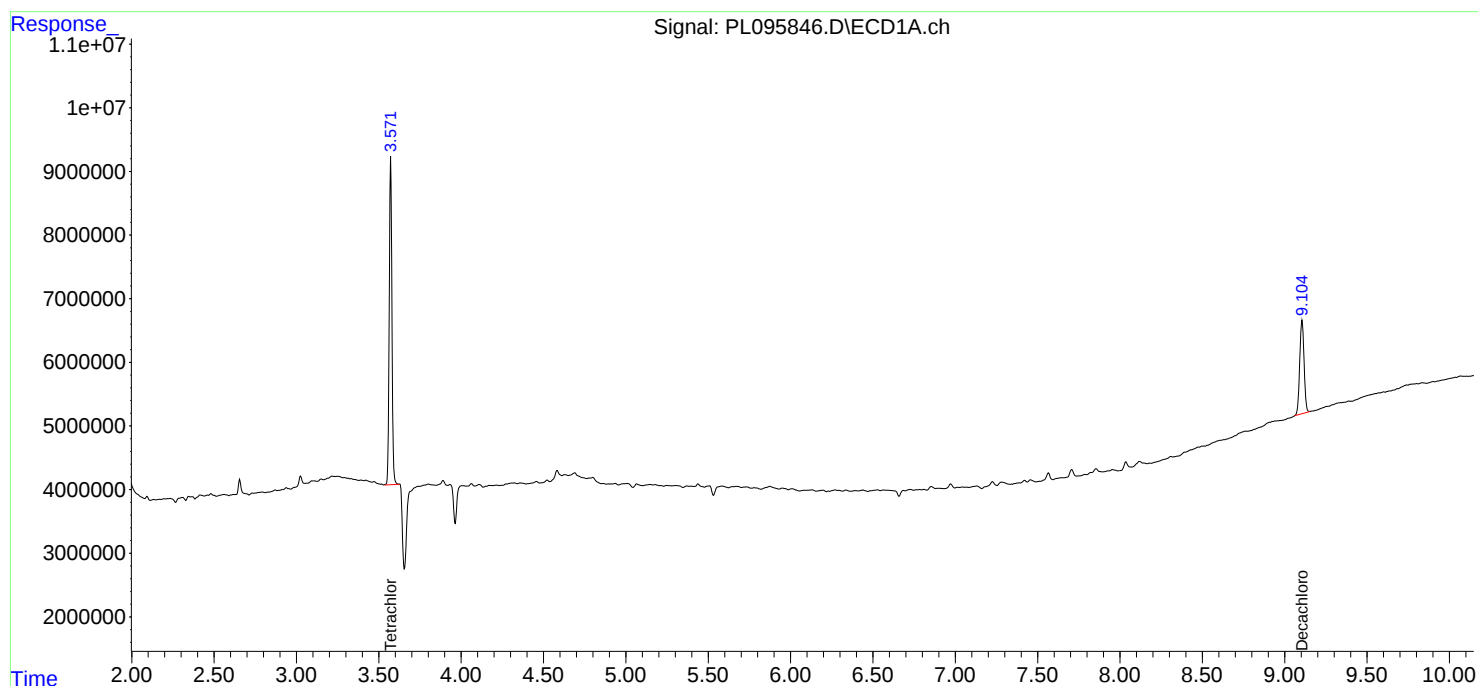
Instrument :
ECD_L
ClientSampleId :
TP-47

Manual Integrations
APPROVED

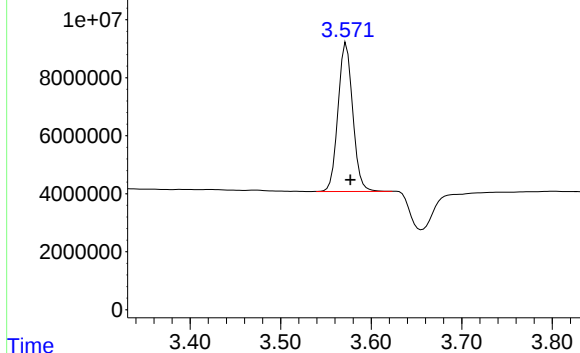
Reviewed By : Abdul Mirza 06/02/2025
Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL095846.D\ECD1A.ch



#1 Tetrachloro-m-xylene

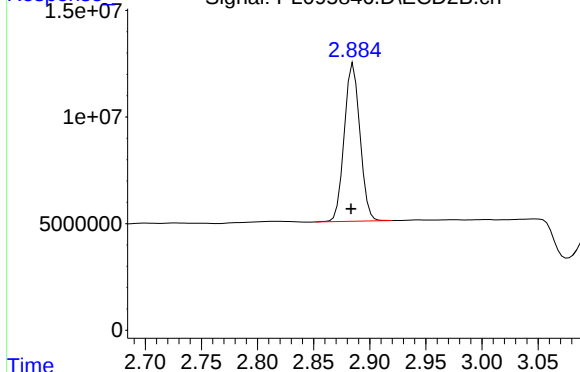
R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 57844821
Conc: 18.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-47

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

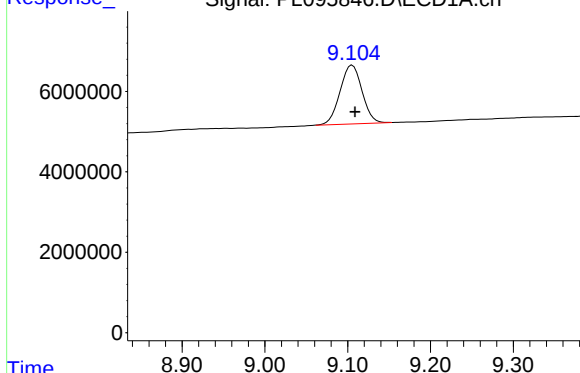
Response_ Signal: PL095846.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 72074466
Conc: 18.41 ng/ml

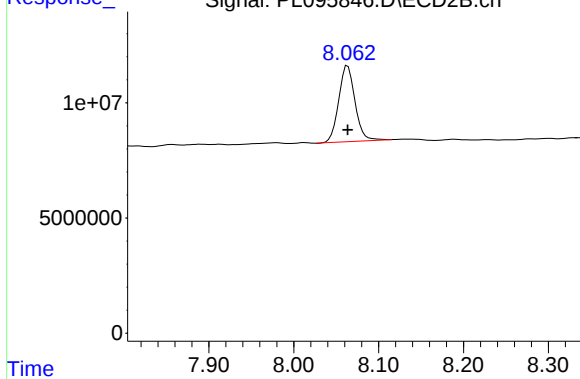
Response_ Signal: PL095846.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.106 min
Delta R.T.: -0.003 min
Response: 26913847
Conc: 11.42 ng/ml

Response_ Signal: PL095846.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 43943693
Conc: 10.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:32
 Operator : AR\AJ
 Sample : Q2150-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-50

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	40540572	49606538	12.849	12.674
28) SA Decachlor...	9.106	8.063	24863221	41101885	10.552	9.396
Target Compounds						
10) B gamma-Chl...	5.973	5.121	8055239	4855307	2.070m	0.924m#
11) B alpha-Chl...	6.058	5.184	14270580	11106458	3.614m	2.135m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:32
Operator : AR\AJ
Sample : Q2150-06
Misc :
ALS Vial : 13 Sample Multiplier: 1

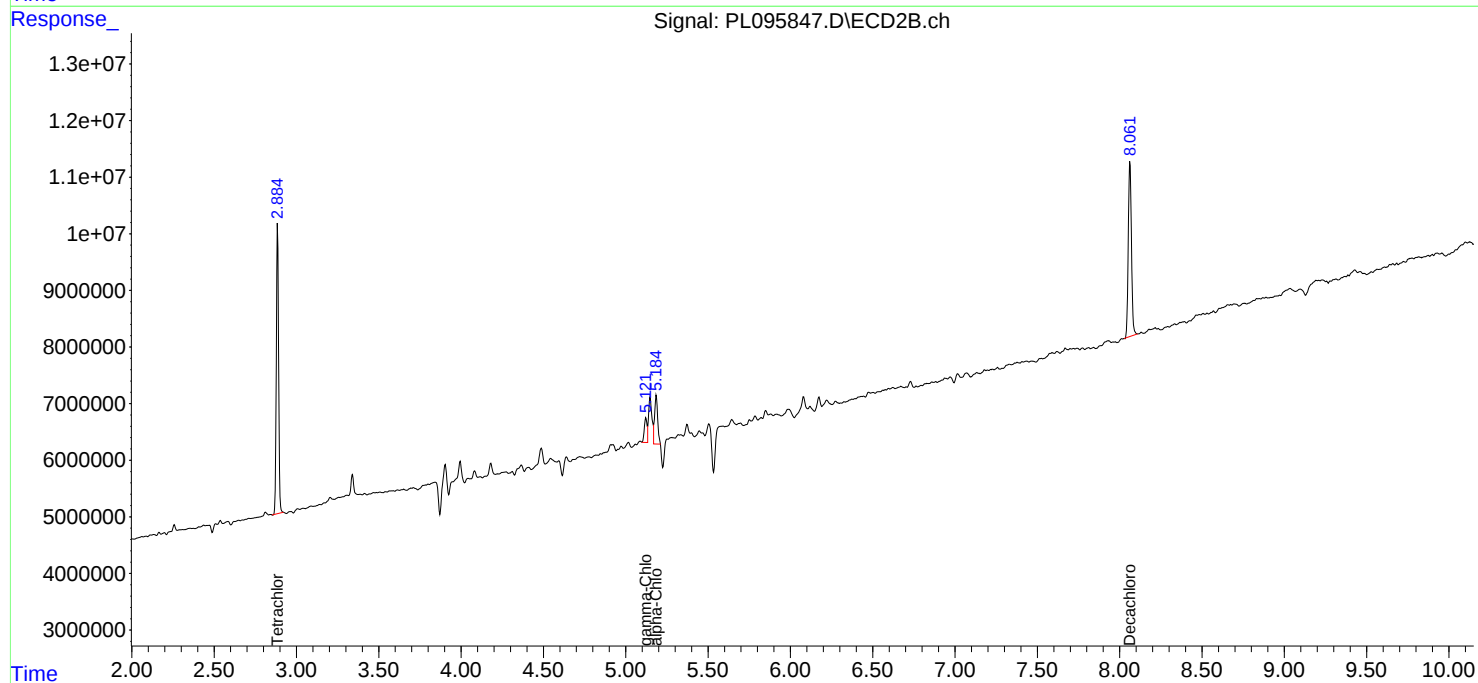
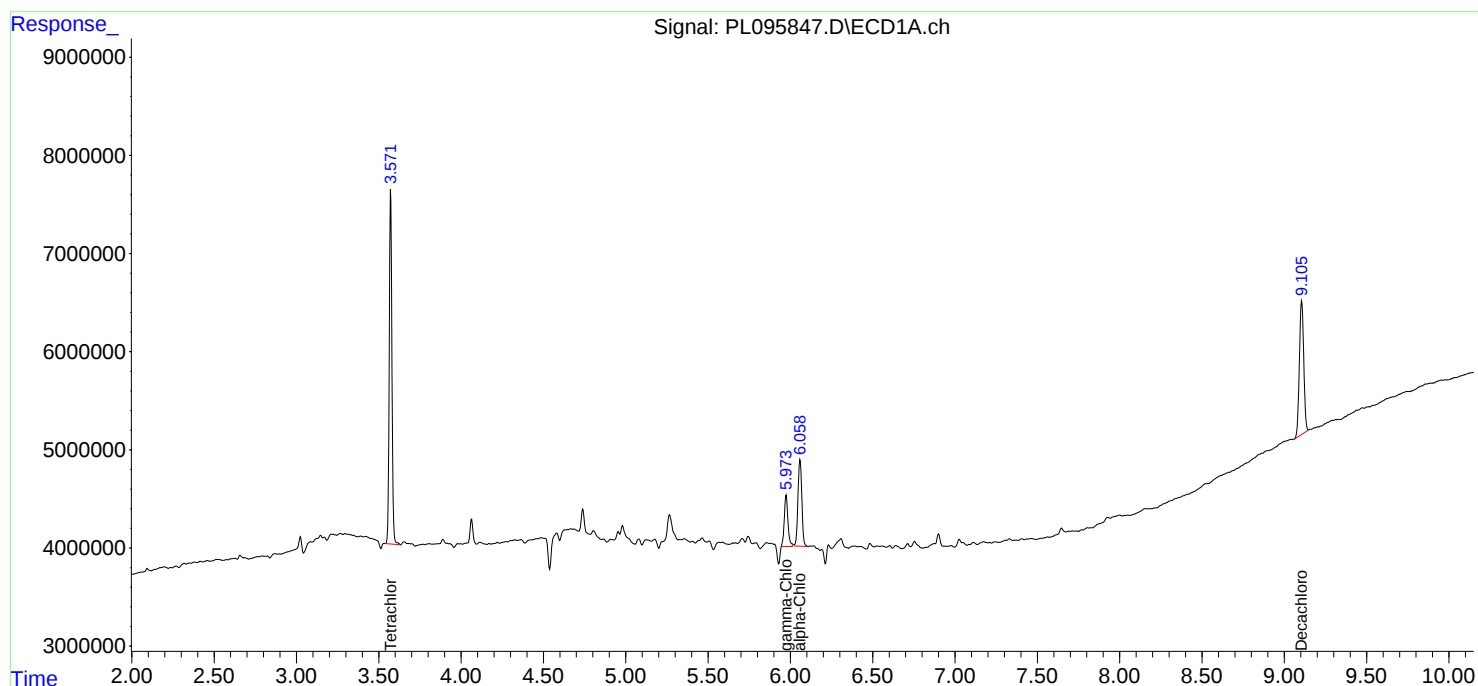
Instrument :
ECD_L
ClientSampleId :
TP-50

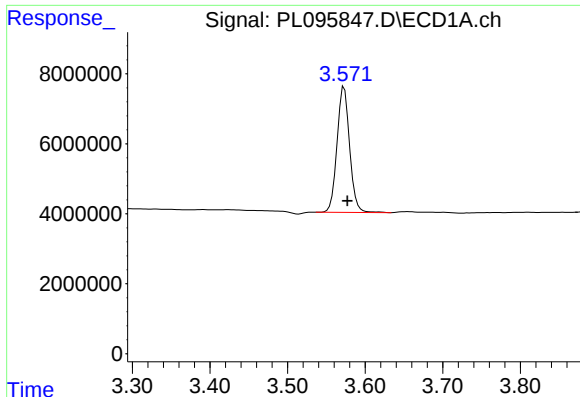
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/02/2025
Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





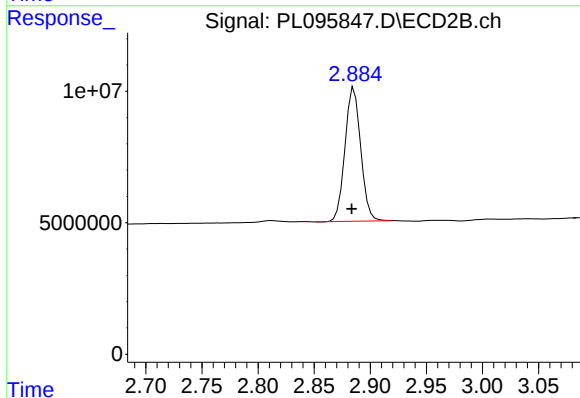
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 40540572
Conc: 12.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-50

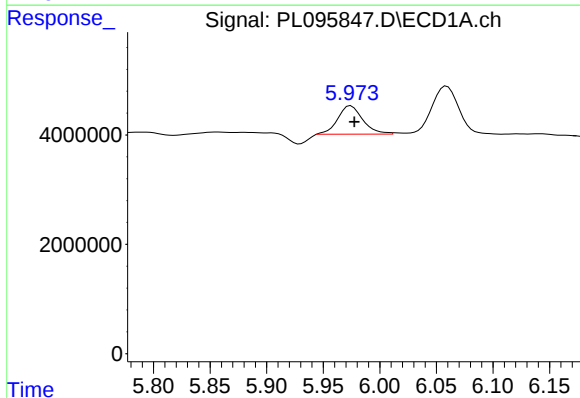
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



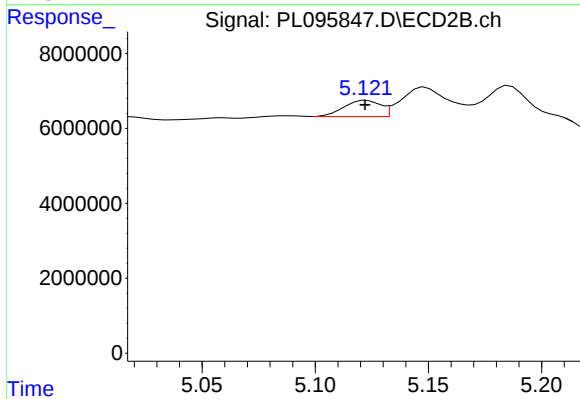
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 49606538
Conc: 12.67 ng/ml



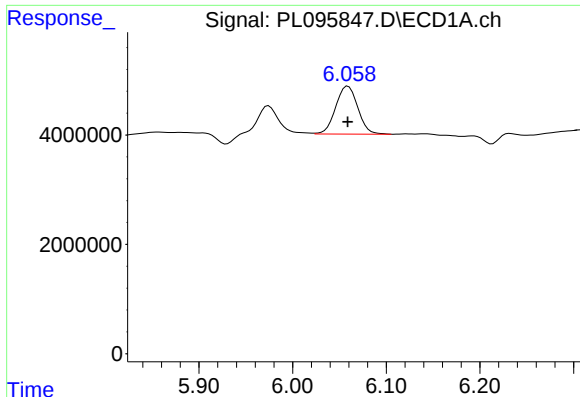
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.004 min
Response: 8055239
Conc: 2.07 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 4855307
Conc: 0.92 ng/ml m



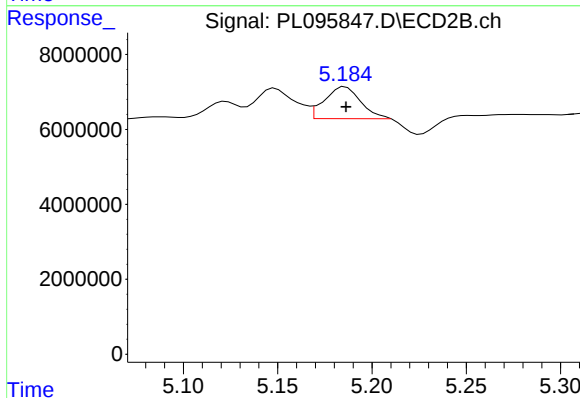
#11 alpha-Chlordane

R.T.: 6.058 min
Delta R.T.: 0.000 min
Response: 14270580
Conc: 3.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-50

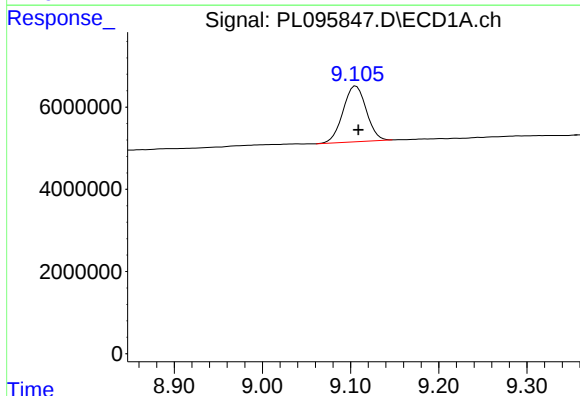
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



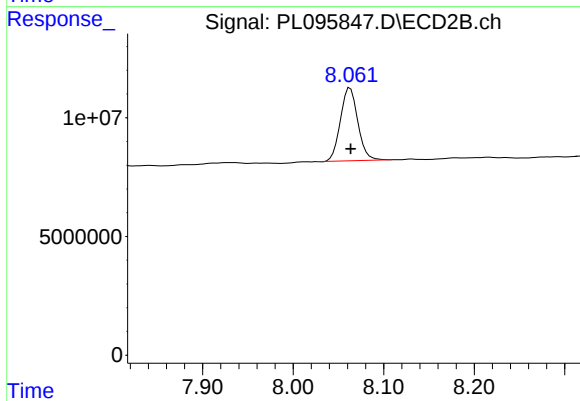
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 11106458
Conc: 2.13 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.106 min
Delta R.T.: -0.003 min
Response: 24863221
Conc: 10.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 41101885
Conc: 9.40 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:46
 Operator : AR\AJ
 Sample : Q2150-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-51

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	58123793	71772232	18.421m	18.338
28) SA Decachlor...	9.104	8.063	24999736	42166068	10.610	9.639

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:46
Operator : AR\AJ
Sample : Q2150-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

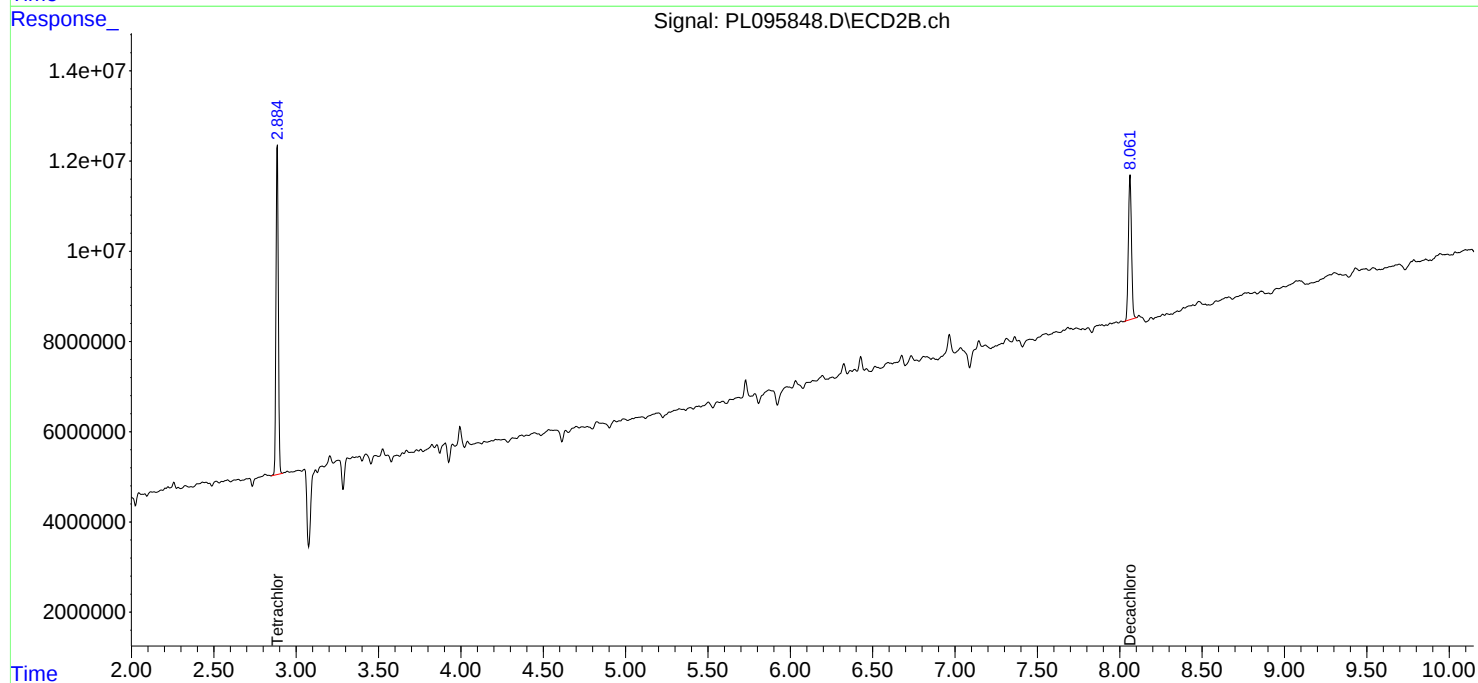
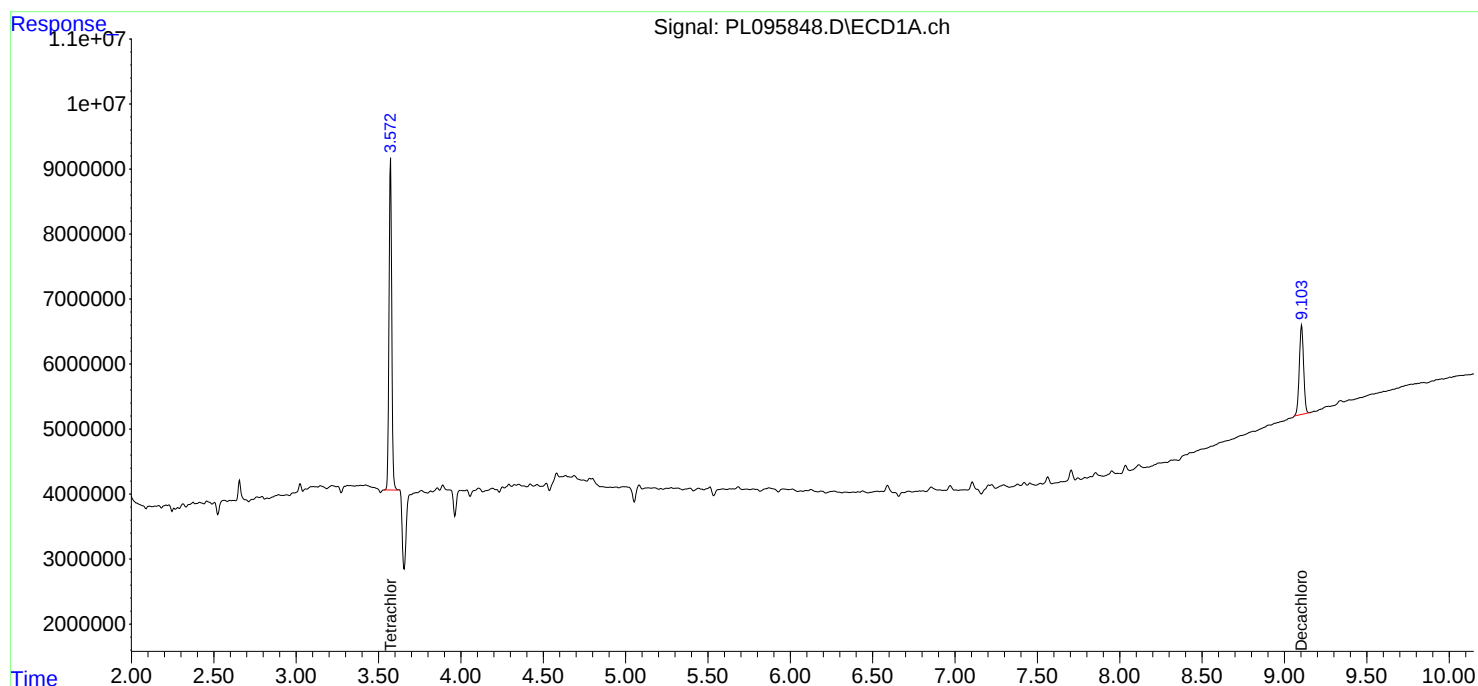
Instrument :
ECD_L
ClientSampleId :
TP-51

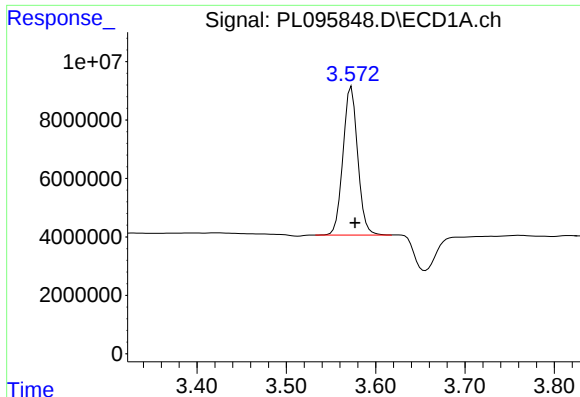
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 06/02/2025
Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





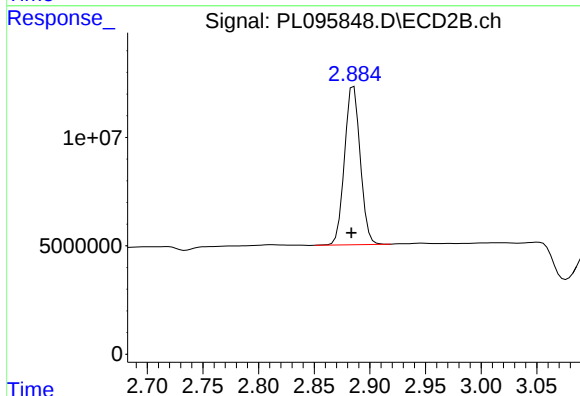
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 58123793
Conc: 18.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-51

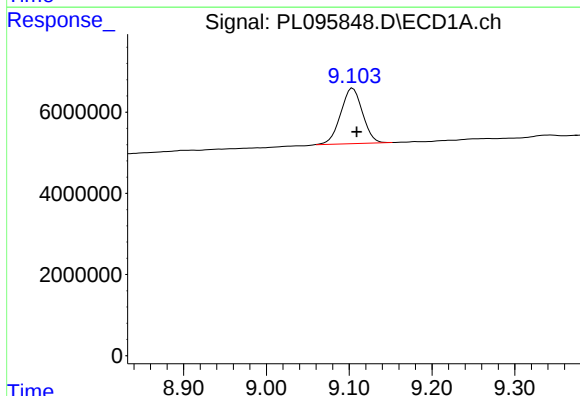
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



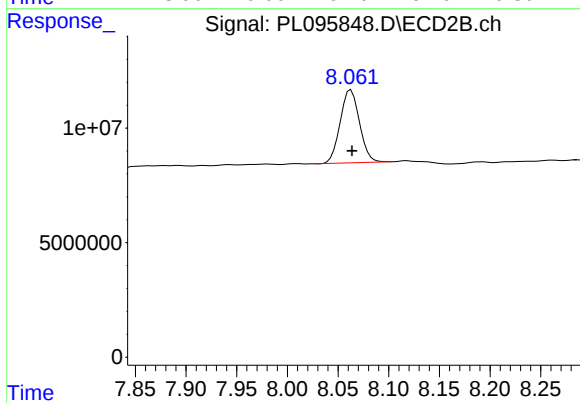
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 71772232
Conc: 18.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.104 min
Delta R.T.: -0.005 min
Response: 24999736
Conc: 10.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 42166068
Conc: 9.64 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-52

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 30 22:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.573	2.886	37853833	46452014	11.997	11.868
28) SA Decachlor...	9.105	8.063	18413644	31707730	7.815	7.248

Target Compounds

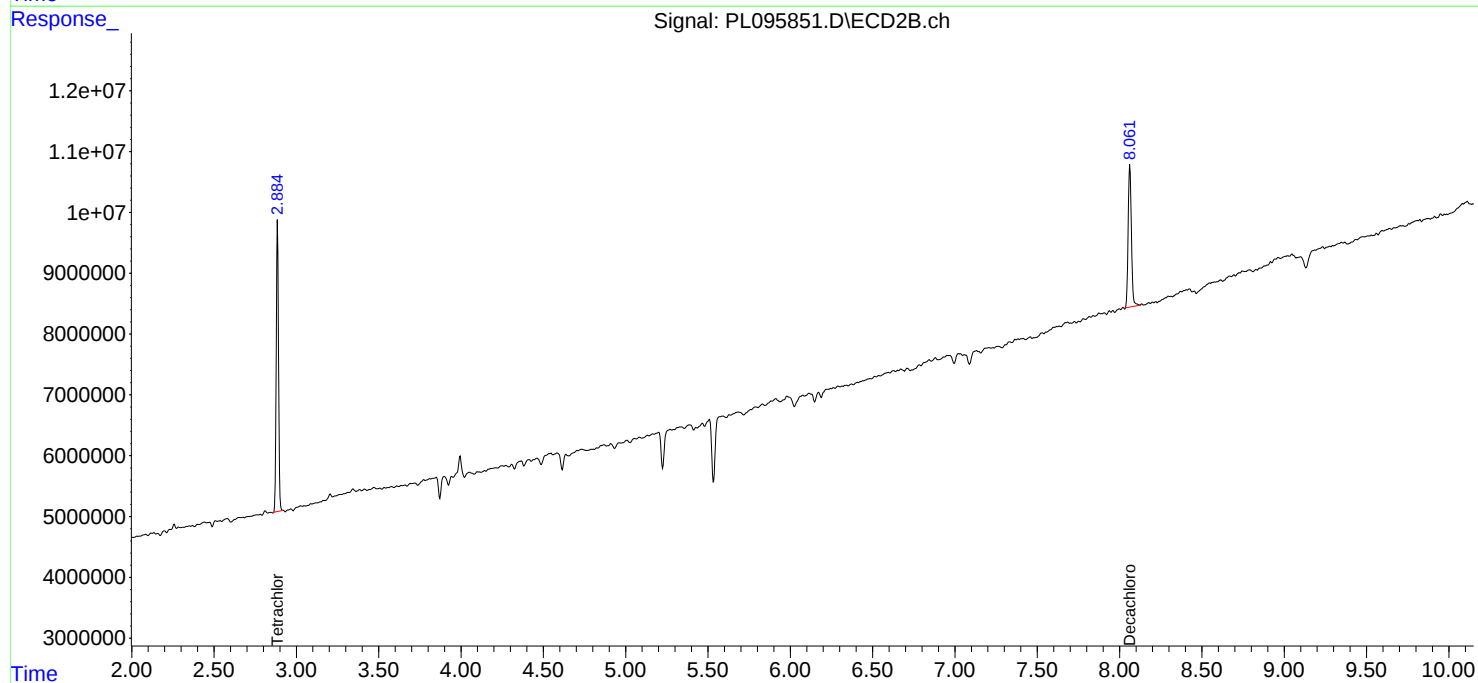
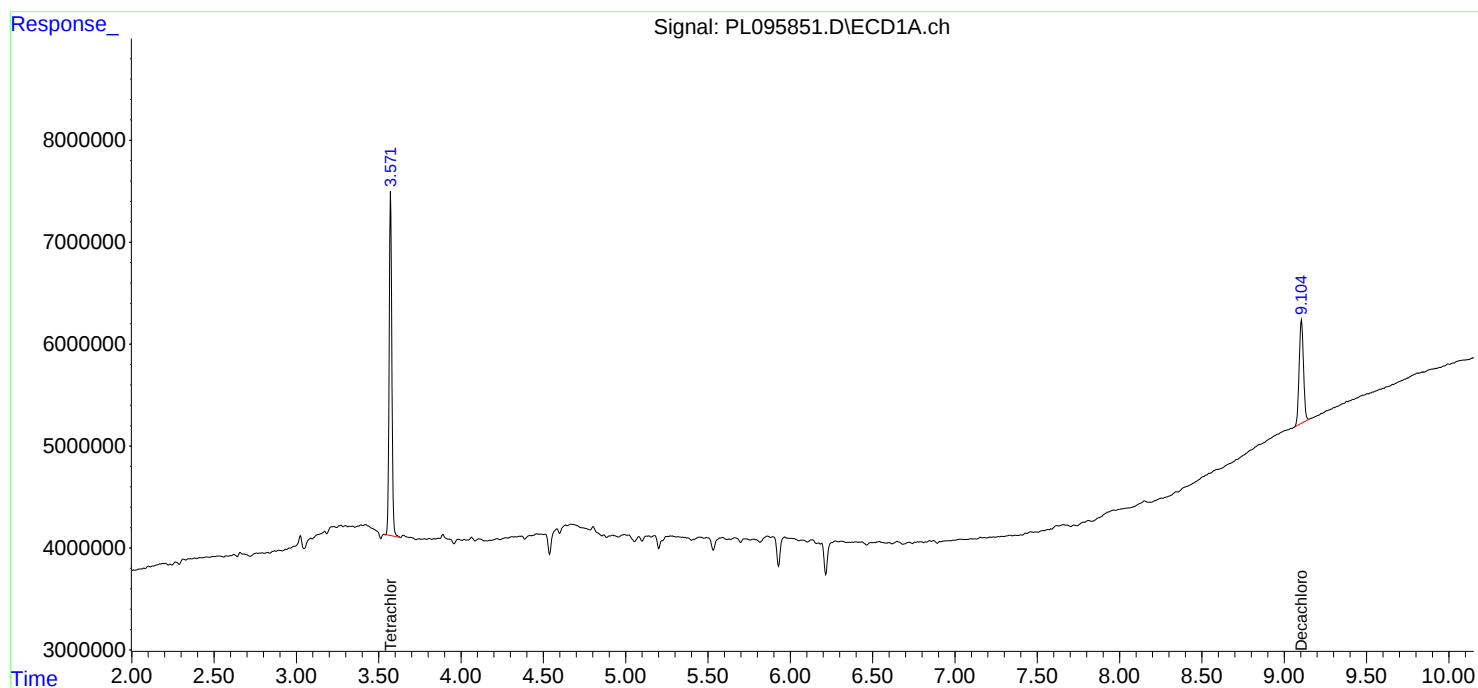
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

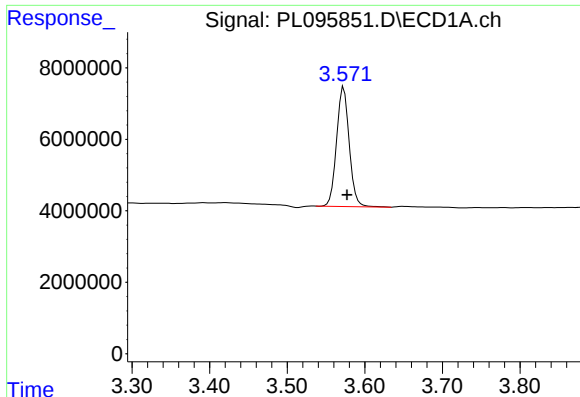
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : AR\AJ
Sample : Q2150-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-52

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

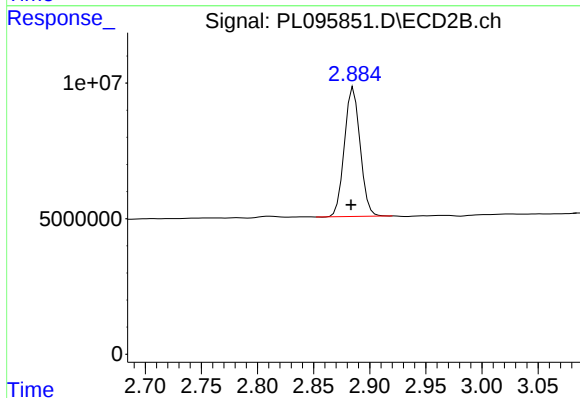




#1 Tetrachloro-m-xylene

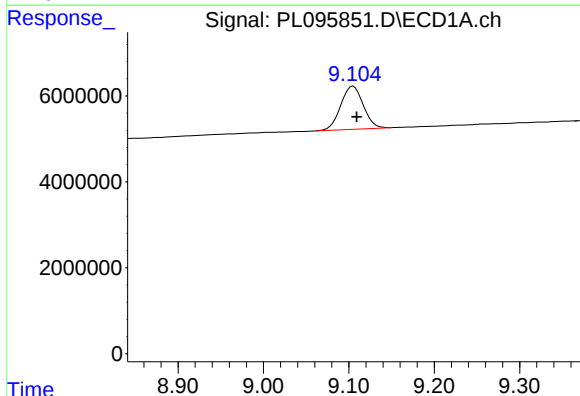
R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 37853833
Conc: 12.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-52



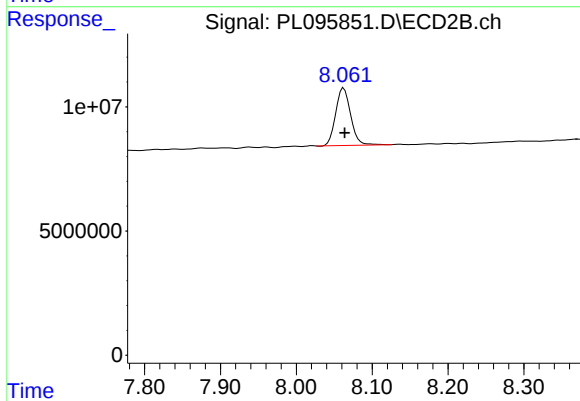
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 46452014
Conc: 11.87 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 18413644
Conc: 7.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.001 min
Response: 31707730
Conc: 7.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:40
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-54

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.886	50754470	63501486	16.086m	16.224
28) SA Decachlor...	9.105	8.063	25211301	44804489	10.699	10.242

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:40
Operator : AR\AJ
Sample : Q2150-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

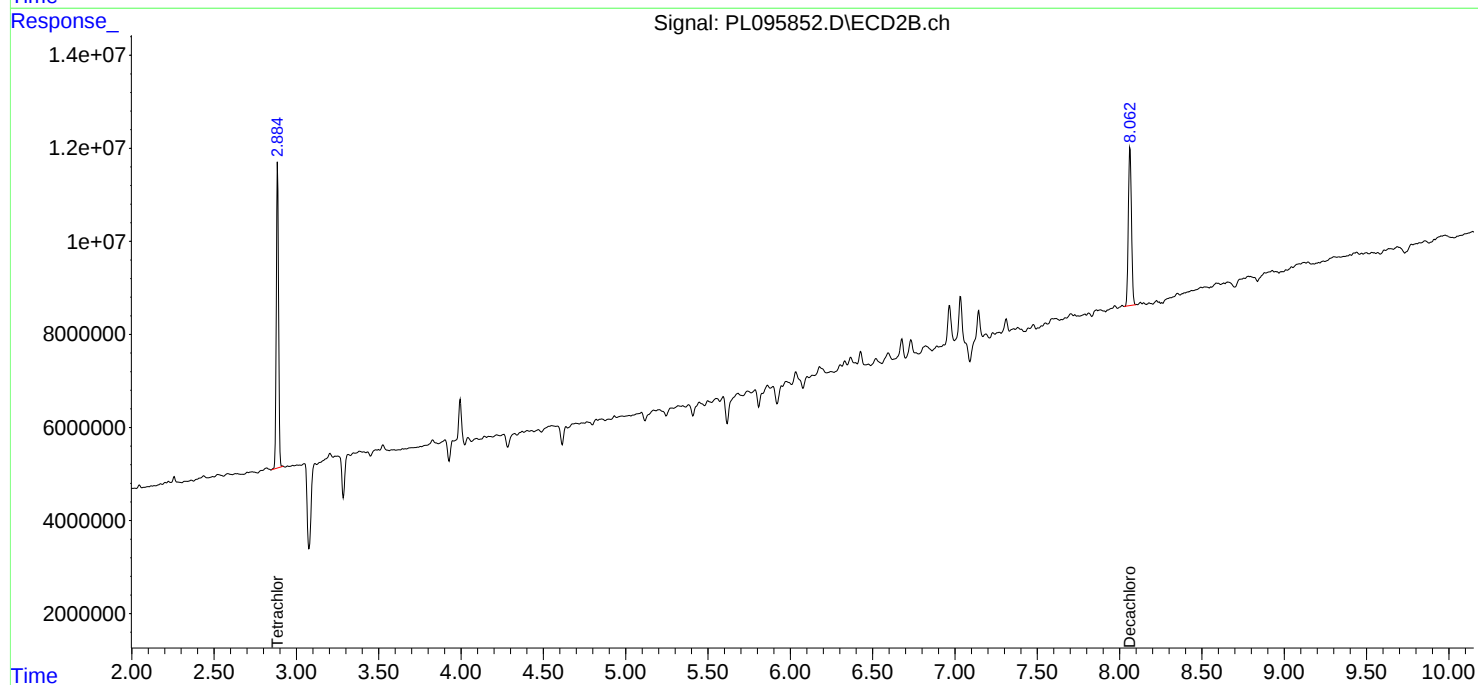
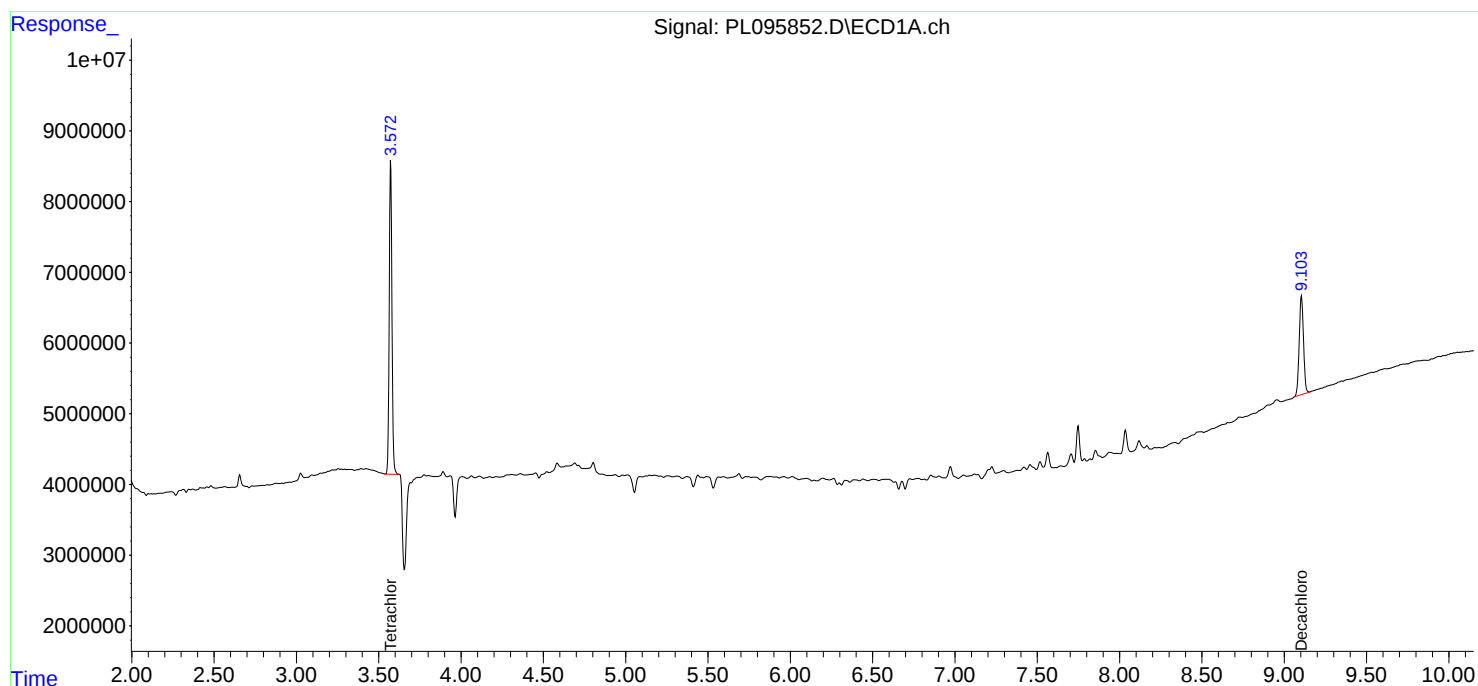
Instrument :
ECD_L
ClientSampleId :
TP-54

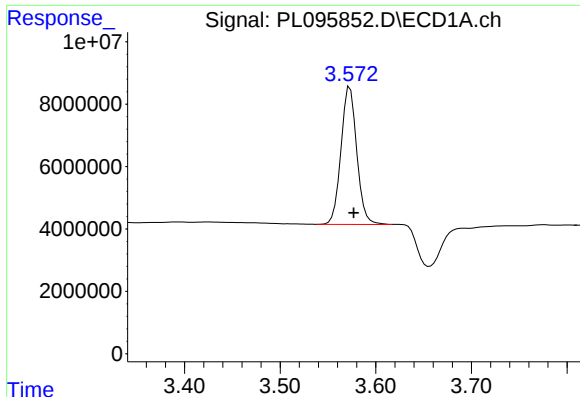
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





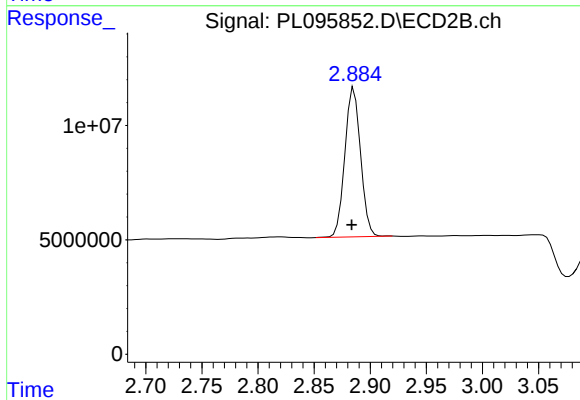
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 50754470
Conc: 16.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-54

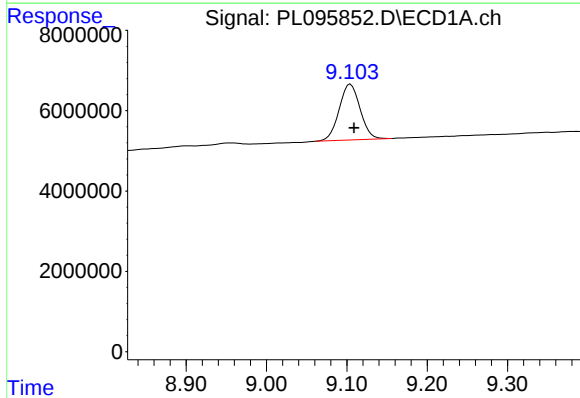
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



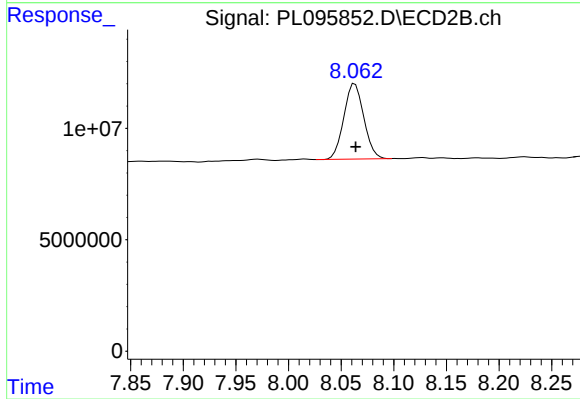
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 63501486
Conc: 16.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 25211301
Conc: 10.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 44804489
Conc: 10.24 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 15:54
 Operator : AR\AJ
 Sample : Q2150-10
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-53

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/02/2025
 Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:54:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.885	57163232	72015639	18.117m	18.400
28) SA Decachlor...	9.105	8.063	28749887	51660986	12.201	11.810

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:54
Operator : AR\AJ
Sample : Q2150-10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-53

Manual Integrations

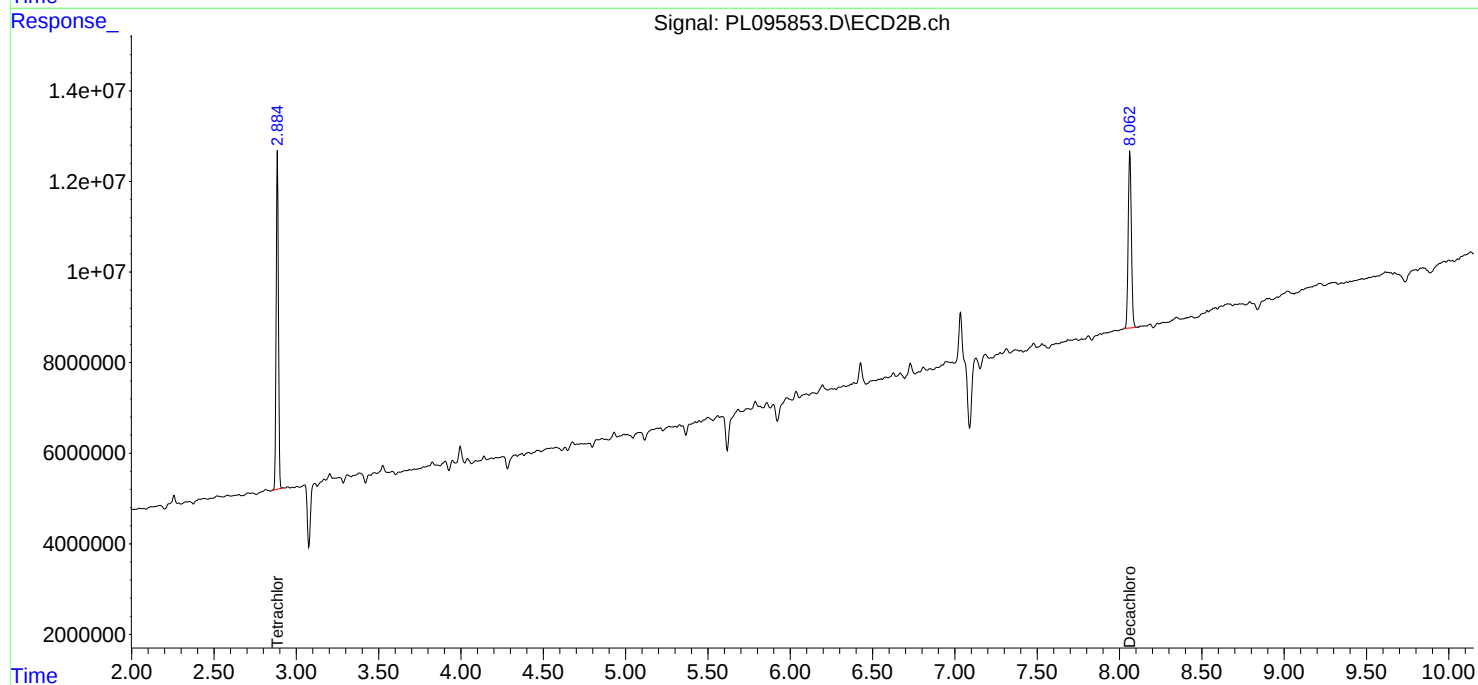
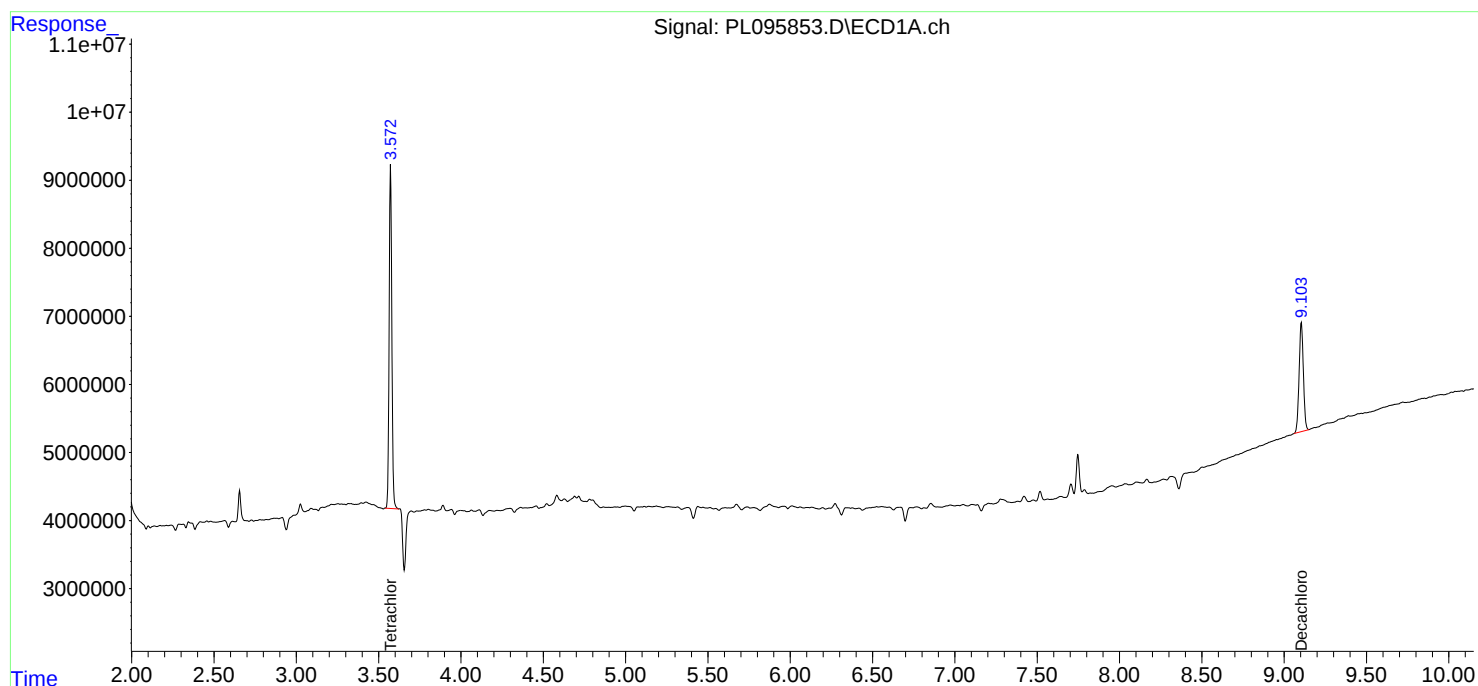
APPROVED

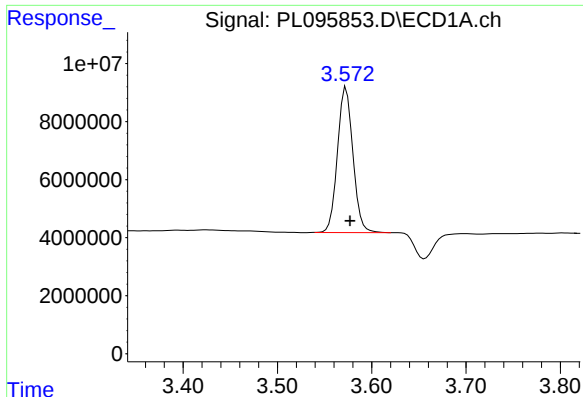
Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 57163232
Conc: 18.12 ng/ml

Instrument :

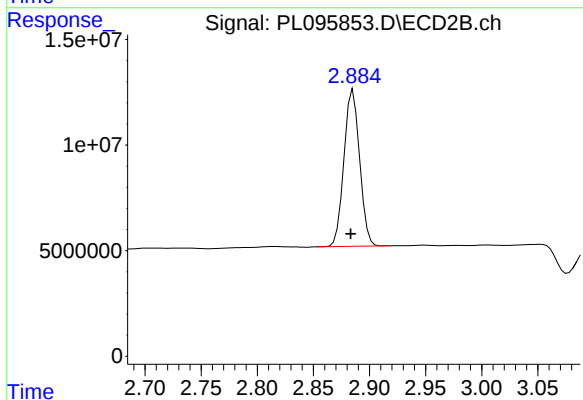
ECD_L

ClientSampleId :

TP-53

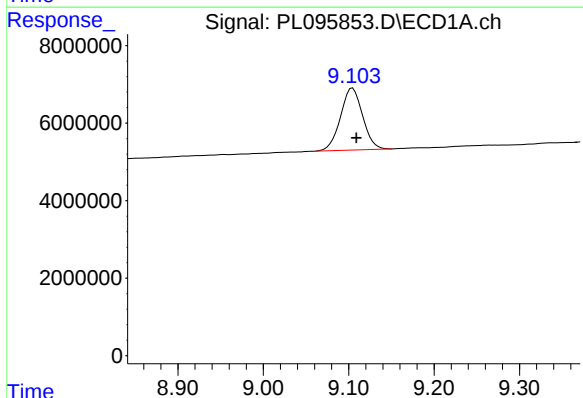
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



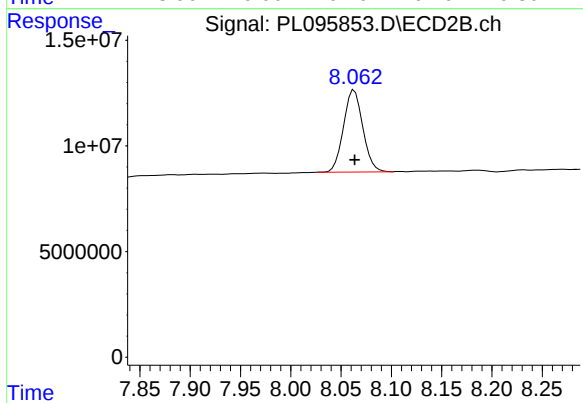
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 72015639
Conc: 18.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.105 min
Delta R.T.: -0.004 min
Response: 28749887
Conc: 12.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 51660986
Conc: 11.81 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095840.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 12:57
 Operator : AR\AJ
 Sample : PB168209BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168209BL

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 30 22:51:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.576	2.883	64933194	80350436	20.579	20.529
28) SA Decachlor...	9.110	8.063	42520177	74723483	18.045	17.082

Target Compounds

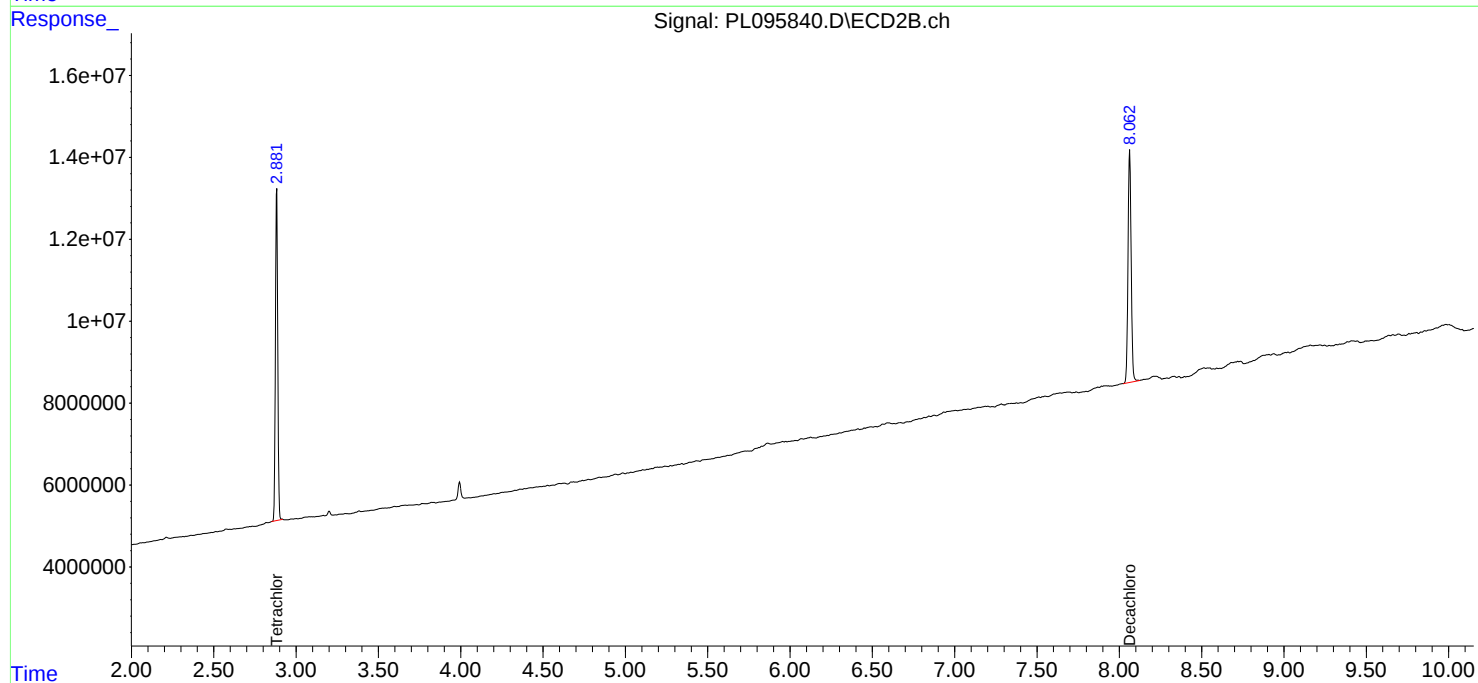
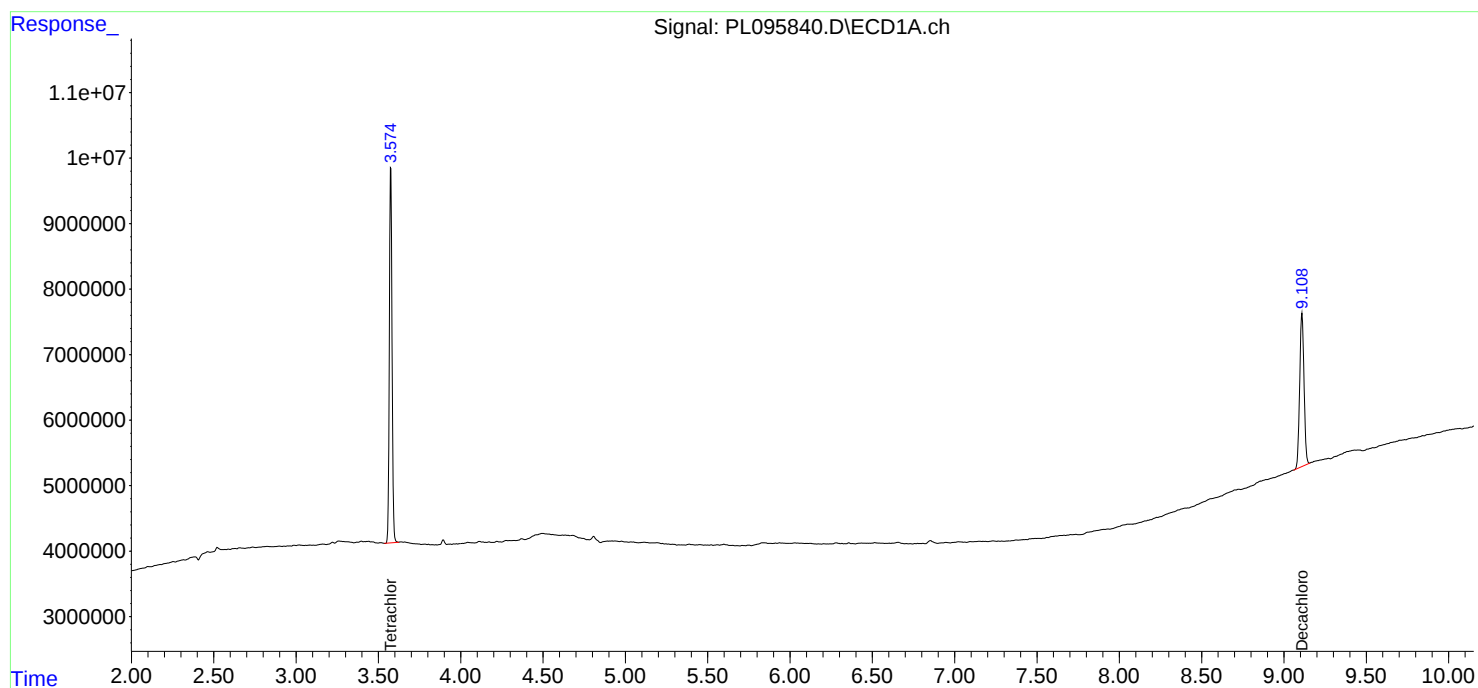
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:57
Operator : AR\AJ
Sample : PB168209BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

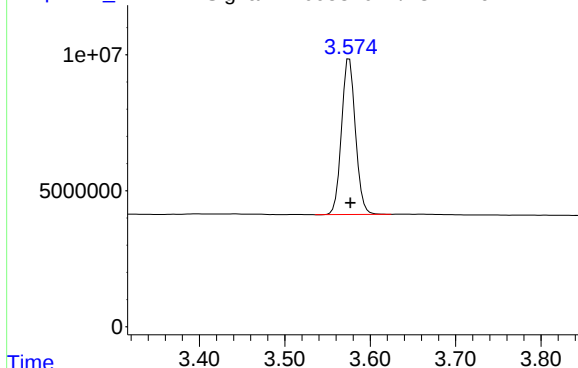
Instrument :
ECD_L
ClientSampleId :
PB168209BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:51:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Response_ Signal: PL095840.D\ECD1A.ch

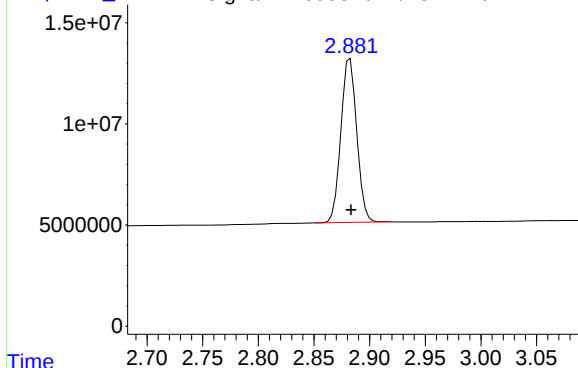


#1 Tetrachloro-m-xylene

R.T.: 3.576 min
Delta R.T.: -0.001 min
Response: 64933194
Conc: 20.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168209BL

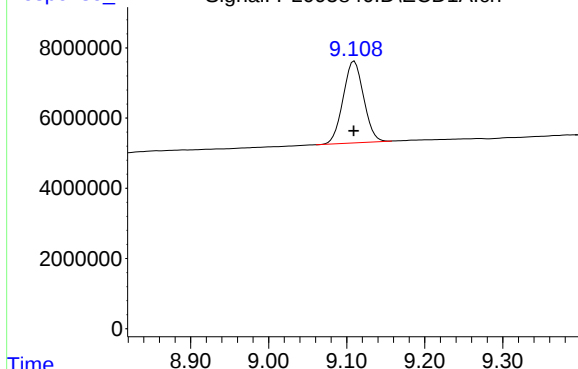
Time Response_ Signal: PL095840.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 80350436
Conc: 20.53 ng/ml

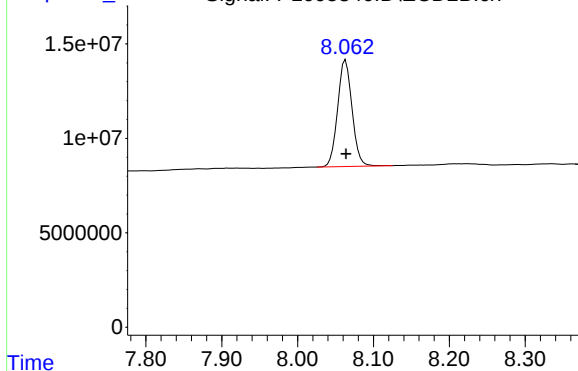
Time Response_ Signal: PL095840.D\ECD1A.ch



#28 Decachlorobiphenyl

R.T.: 9.110 min
Delta R.T.: 0.000 min
Response: 42520177
Conc: 18.05 ng/ml

Time Response_ Signal: PL095840.D\ECD2B.ch



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 74723483
Conc: 17.08 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 16:07
 Operator : AR\AJ
 Sample : PB168209BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168209BS

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/02/2025
 Supervised By : mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:54:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.886	68956154	85970625	21.854	21.965
28)	SA Decachlor...	9.105	8.064	45513665	84079413	19.315	19.221
Target Compounds							
2)	A alpha-BHC	4.025	3.396	250.9E6	317.2E6	51.754	54.161
3)	MA gamma-BHC...	4.356	3.729	231.8E6	300.4E6	51.845	53.627
4)	MA Heptachlor	4.954	4.082	183.9E6	284.5E6	48.576	50.717
5)	MB Aldrin	5.297	4.367	218.4E6	287.2E6	51.056	54.118
6)	B beta-BHC	4.544	4.025	99486083	121.4E6	50.466	49.002
7)	B delta-BHC	4.792	4.260	213.2E6	283.6E6	48.087	50.213
8)	B Heptachlo...	5.718	4.870	194.7E6	262.5E6	51.007	53.160
9)	A Endosulfan I	6.102	5.242	183.1E6	240.8E6	49.952	50.536
10)	B gamma-Chl...	5.972	5.122	197.7E6	278.6E6	50.802m	53.031
11)	B alpha-Chl...	6.054	5.186	196.8E6	272.3E6	49.852	52.340
12)	B 4,4'-DDE	6.224	5.374	178.7E6	275.1E6	48.712	51.313
13)	MA Dieldrin	6.375	5.507	192.5E6	278.5E6	49.878	52.555
14)	MA Endrin	6.603	5.782	141.4E6	229.9E6	43.836	47.141
15)	B Endosulfa...	6.816	6.073	161.5E6	242.5E6	46.858	51.025
16)	A 4,4'-DDD	6.735	5.925	150.3E6	236.8E6	51.299	54.008
17)	MA 4,4'-DDT	7.051	6.179	112.3E6	203.6E6	41.512	42.563
18)	B Endrin al...	6.945	6.250	115.9E6	176.6E6	47.945	51.121
19)	B Endosulfa...	7.179	6.474	139.7E6	220.2E6	46.754	48.999
20)	A Methoxychlor	7.523	6.749	52401262	104.2E6	41.089	39.827
21)	B Endrin ke...	7.661	6.980	157.1E6	261.8E6	49.610	50.609
22)	Mirex	8.142	7.173	108.1E6	186.6E6	46.706	45.958

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 16:07
Operator : AR\AJ
Sample : PB168209BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168209BS

Manual Integrations

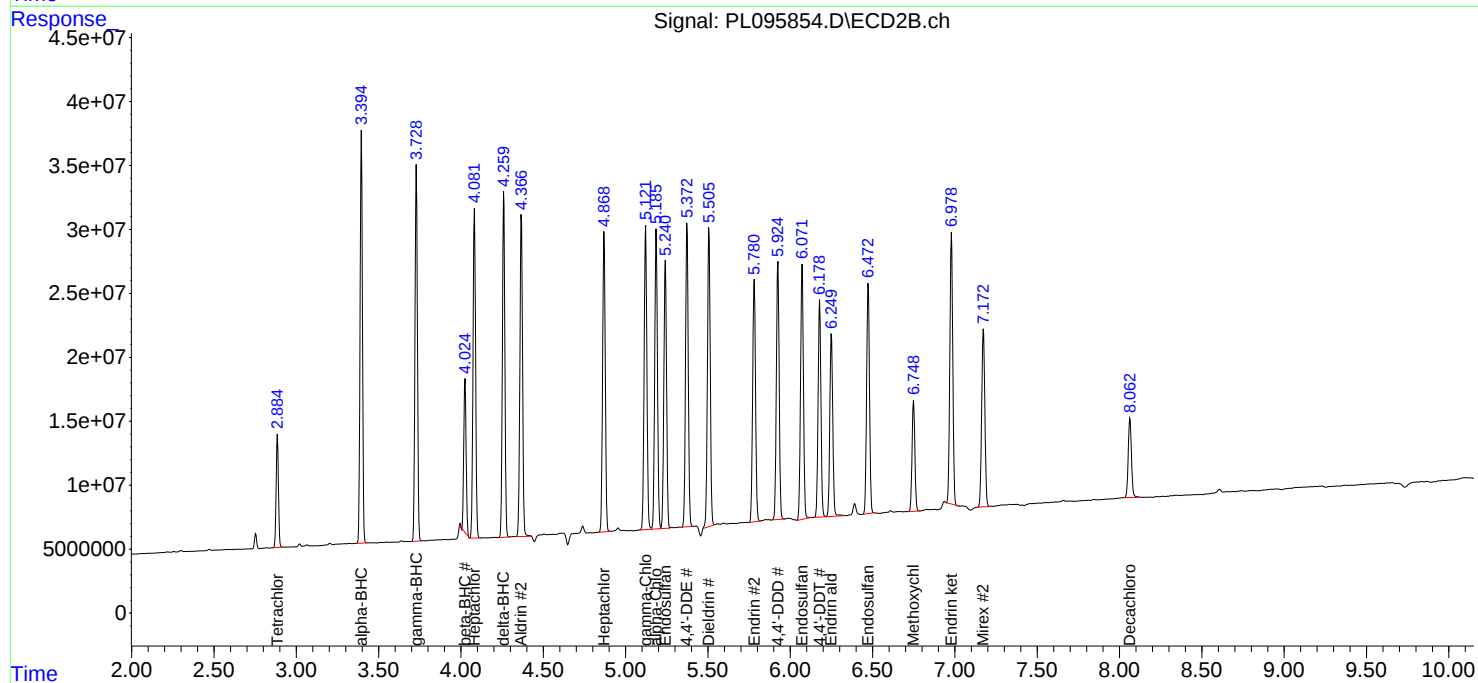
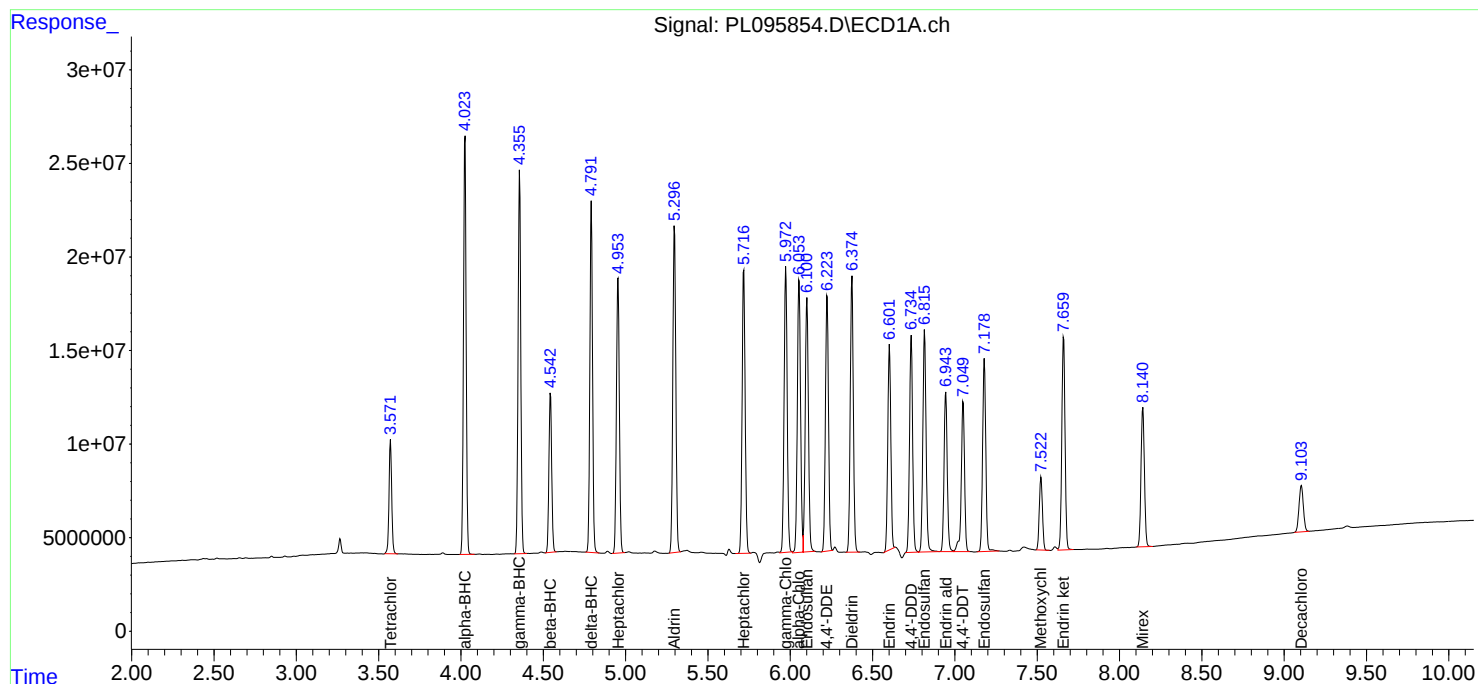
APPROVED

Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:59
 Operator : AR\AJ
 Sample : Q2150-07MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-51MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.571	2.886	46026539	56802519	14.587m	14.513
2)	SA Decachlor...	9.104	8.063	19956949	35065244	8.469	8.016
Target Compounds							
2)	A alpha-BHC	4.024	3.396	240.3E6	300.1E6	49.576	51.241
3)	MA gamma-BHC...	4.356	3.729	220.6E6	285.8E6	49.328	51.023
4)	MA Heptachlor	4.955	4.082	172.3E6	269.3E6	45.525	48.005
5)	MB Aldrin	5.298	4.367	206.9E6	267.5E6	48.364	50.405
6)	B beta-BHC	4.544	4.025	93065263	117.8E6	47.209	47.528
7)	B delta-BHC	4.792	4.260	215.9E6	283.1E6	48.699	50.133
8)	B Heptachlo...	5.719	4.869	183.3E6	245.4E6	48.032	49.697
9)	A Endosulfan I	6.102	5.242	171.4E6	229.7E6	46.766	48.197
10)	B gamma-Chl...	5.974	5.121	185.6E6	257.2E6	47.683	48.967
11)	B alpha-Chl...	6.055	5.186	182.8E6	254.6E6	46.307	48.937
12)	B 4,4'-DDE	6.225	5.372	168.0E6	254.8E6	45.802	47.516
13)	MA Dieldrin	6.376	5.507	179.2E6	253.8E6	46.432	47.882
14)	MA Endrin	6.603	5.781	137.6E6	216.3E6	42.653	44.362
15)	B Endosulfa...	6.816	6.072	148.6E6	221.4E6	43.135	46.583
16)	A 4,4'-DDD	6.735	5.925	138.7E6	206.0E6	47.314	46.979
17)	MA 4,4'-DDT	7.051	6.178	103.5E6	190.8E6	38.265	39.897
18)	B Endrin al...	6.945	6.250	111.1E6	164.6E6	45.934	47.657
19)	B Endosulfa...	7.179	6.474	127.4E6	202.0E6	42.666	44.937
20)	A Methoxychlor	7.524	6.749	49499322	100.1E6	38.813	38.257
21)	B Endrin ke...	7.660	6.979	141.9E6	239.8E6	44.813	46.347
22)	Mirex	8.143	7.173	100.9E6	174.0E6	43.630	42.846

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:59
Operator : AR\AJ
Sample : Q2150-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-51MS

Manual Integrations

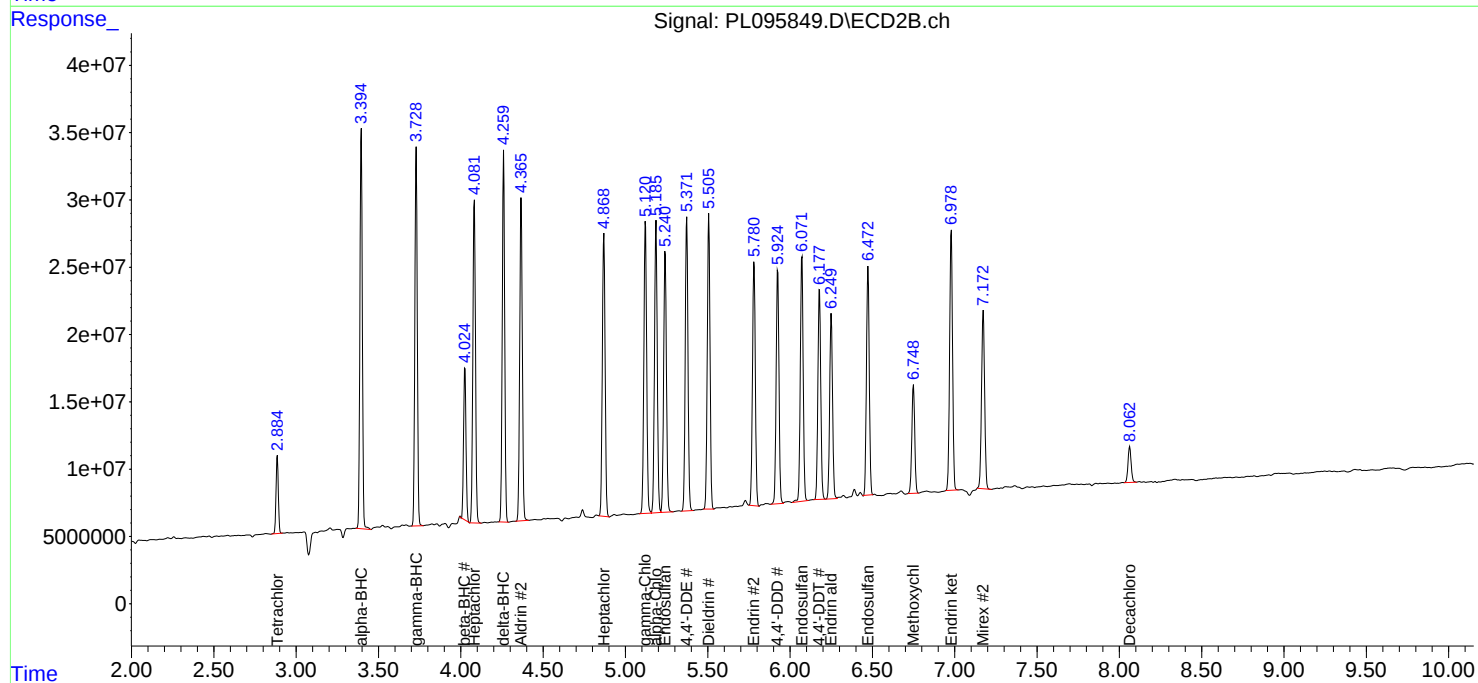
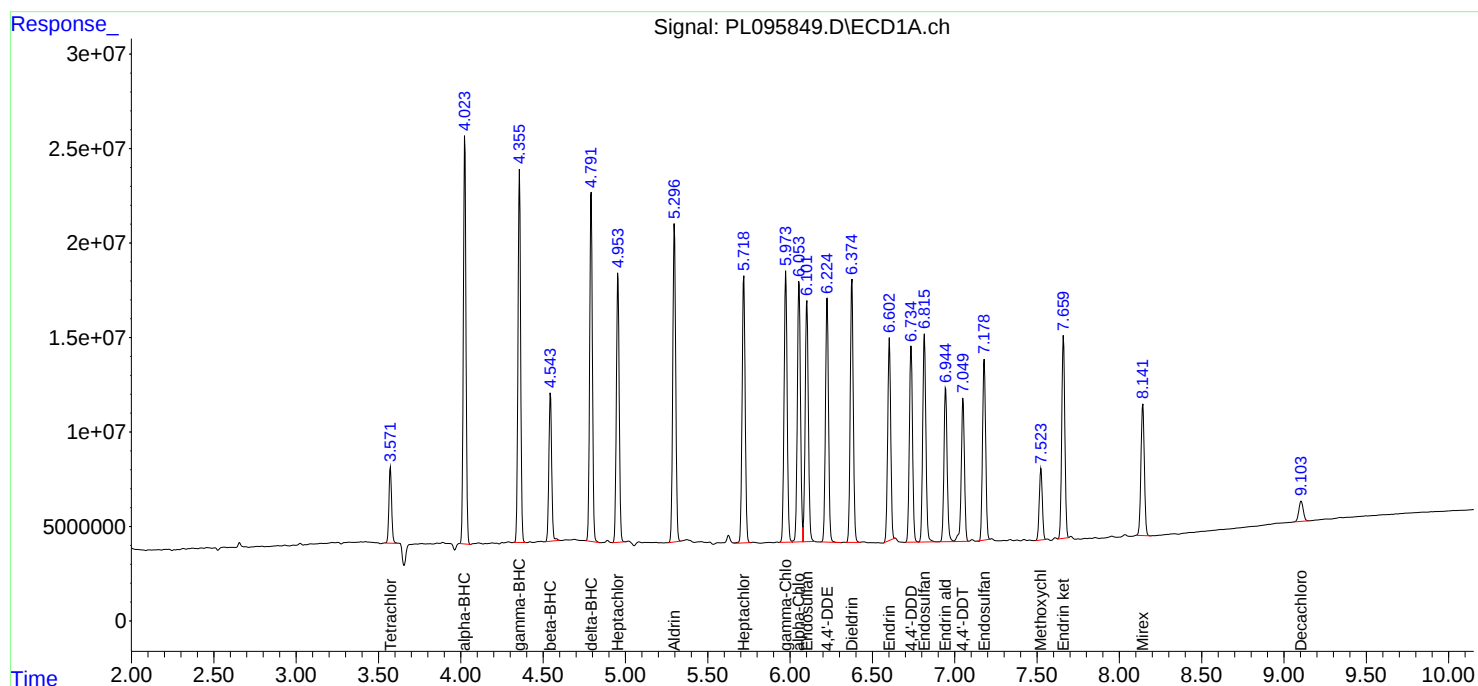
APPROVED

Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
 Data File : PL095850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 15:13
 Operator : AR\AJ
 Sample : Q2150-07MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-51MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.572	2.885	46002112	57167551	14.579m	14.606
28)	SA Decachlor...	9.105	8.063	19993273	36343270	8.485	8.308
Target Compounds							
2)	A alpha-BHC	4.025	3.395	240.8E6	301.5E6	49.675	51.470
3)	MA gamma-BHC...	4.357	3.729	221.8E6	286.9E6	49.594	51.224
4)	MA Heptachlor	4.955	4.082	173.2E6	268.2E6	45.746	47.811
5)	MB Aldrin	5.297	4.367	207.3E6	270.3E6	48.465	50.932
6)	B beta-BHC	4.545	4.025	93409250	117.4E6	47.383	47.369
7)	B delta-BHC	4.793	4.260	216.4E6	285.8E6	48.817	50.601
8)	B Heptachlo...	5.719	4.869	184.1E6	247.4E6	48.246	50.098
9)	A Endosulfan I	6.103	5.241	172.2E6	232.4E6	46.985	48.778
10)	B gamma-Chl...	5.973	5.121	186.1E6	259.4E6	47.818m	49.394
11)	B alpha-Chl...	6.055	5.186	183.7E6	257.1E6	46.535	49.424
12)	B 4,4'-DDE	6.225	5.372	168.7E6	257.4E6	45.987	47.999
13)	MA Dieldrin	6.376	5.506	179.8E6	256.2E6	46.595	48.341
14)	MA Endrin	6.603	5.781	138.2E6	219.1E6	42.825	44.938
15)	B Endosulfa...	6.816	6.072	149.3E6	222.3E6	43.334	46.773
16)	A 4,4'-DDD	6.735	5.925	139.5E6	209.7E6	47.603	47.828
17)	MA 4,4'-DDT	7.051	6.178	103.8E6	194.5E6	38.360	40.669
18)	B Endrin al...	6.946	6.250	110.5E6	166.1E6	45.701	48.095
19)	B Endosulfa...	7.179	6.473	132.1E6	206.3E6	44.233	45.900
20)	A Methoxychlor	7.523	6.749	50869306	101.4E6	39.887	38.757
21)	B Endrin ke...	7.661	6.979	142.3E6	246.1E6	44.924	47.575
22)	Mirex	8.143	7.173	101.8E6	175.6E6	43.982	43.238

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL053025\
Data File : PL095850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:13
Operator : AR\AJ
Sample : Q2150-07MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-51MSD

Manual Integrations

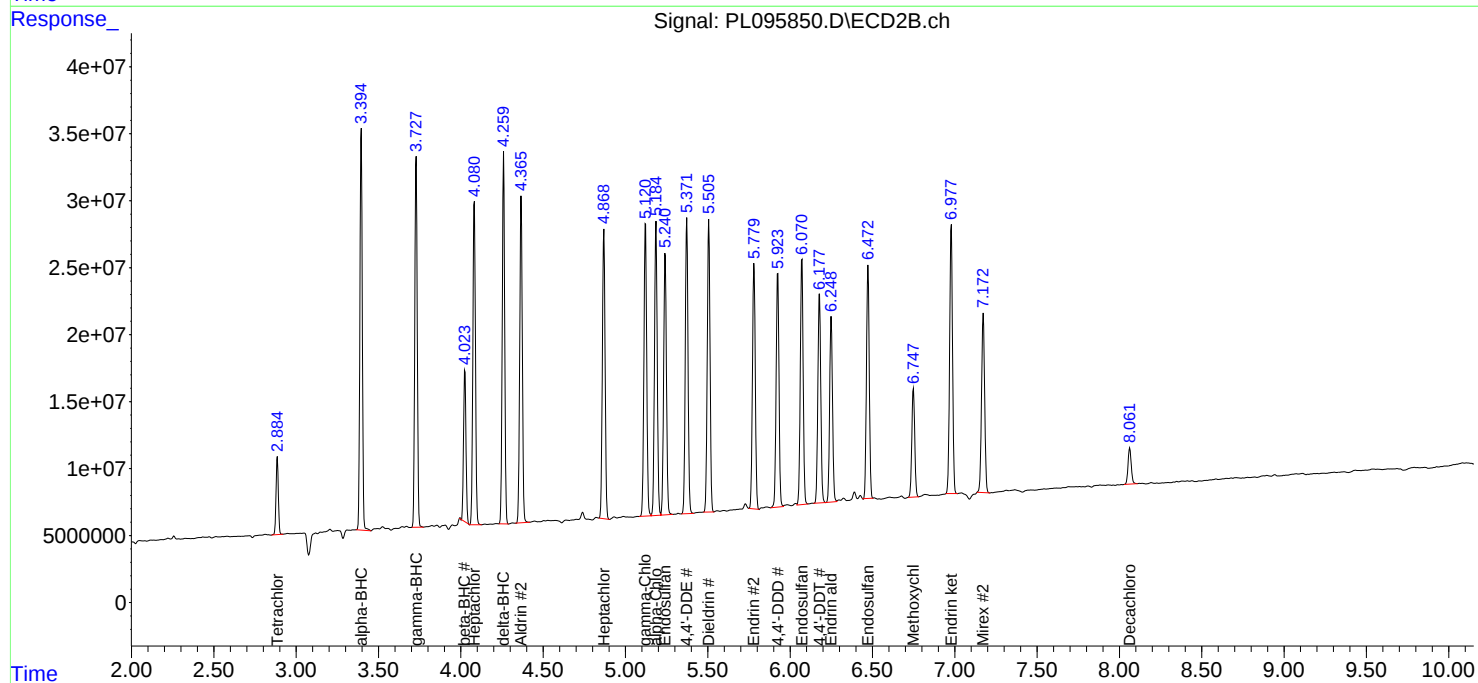
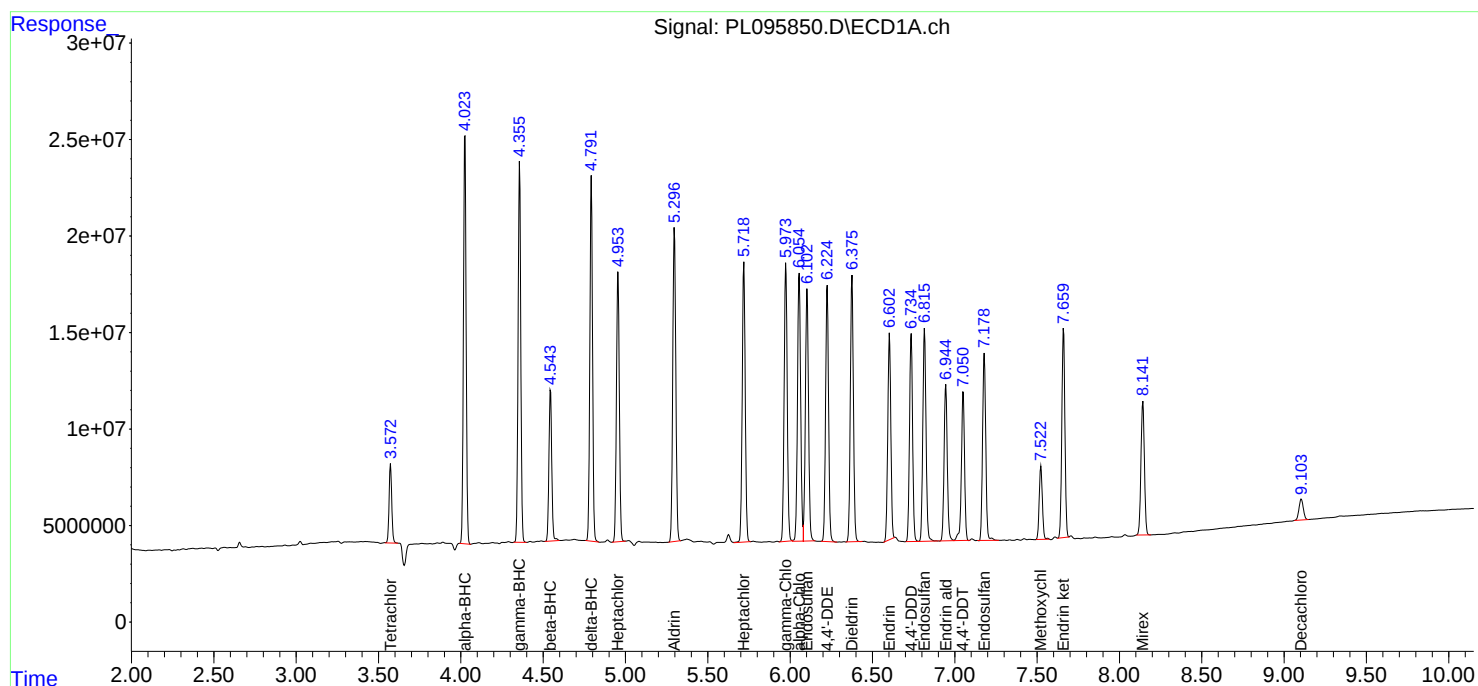
APPROVED

Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm



Manual Integration Report

Sequence:	PL052125	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095733.D	4,4"-DDD	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	4,4"-DDD #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	beta-BHC #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin aldehyde #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PEM	PL095733.D	Endrin ketone #2	Abdul	5/22/2025 8:03:45 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endosulfan I #2	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
RESCHK	PL095734.D	Endrin ketone	Abdul	5/22/2025 8:03:50 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC025	PL095738.D	Endrin ketone	Abdul	5/22/2025 8:03:56 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	beta-BHC #2	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endosulfan II	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software
PSTDICC005	PL095739.D	Endrin ketone	Abdul	5/22/2025 8:04:00 AM	mohammad	5/23/2025 5:17:22	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL052125

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	pl053025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095835.D	4,4"-DDE	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	4,4"-DDE #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	beta-BHC #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	Endrin aldehyde	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PEM	PL095835.D	Endrin aldehyde #2	Abdul	6/2/2025 8:50:36 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	alpha-Chlordane #2	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	gamma-Chlordane	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-01	PL095842.D	gamma-Chlordane #2	Abdul	6/2/2025 8:50:42 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-03	PL095844.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:46 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-05	PL095846.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:50 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	alpha-Chlordane	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	alpha-Chlordane #2	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-06	PL095847.D	gamma-Chlordane	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software

Manual Integration Report

Sequence:	pl053025	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2150-06	PL095847.D	gamma-Chlordane #2	Abdul	6/2/2025 8:50:54 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07	PL095848.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:50:58 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MS	PL095849.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:03 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MSD	PL095850.D	gamma-Chlordane	Abdul	6/2/2025 8:51:07 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-07MSD	PL095850.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:07 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-09	PL095852.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:11 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
Q2150-10	PL095853.D	Tetrachloro-m-xylene	Abdul	6/2/2025 8:51:15 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software
PB168209BS	PL095854.D	gamma-Chlordane	Abdul	6/2/2025 8:51:19 AM	mohammad	6/3/2025 2:04:07	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095731.D	21 May 2025 10:33	AR\AJ	Ok
2	I.BLK	PL095732.D	21 May 2025 10:47	AR\AJ	Ok
3	PEM	PL095733.D	21 May 2025 11:01	AR\AJ	Ok,M
4	RESCHK	PL095734.D	21 May 2025 11:14	AR\AJ	Ok,M
5	PSTDICC100	PL095735.D	21 May 2025 11:35	AR\AJ	Ok
6	PSTDICC075	PL095736.D	21 May 2025 11:48	AR\AJ	Ok
7	PSTDICC050	PL095737.D	21 May 2025 12:02	AR\AJ	Ok
8	PSTDICC025	PL095738.D	21 May 2025 12:15	AR\AJ	Ok,M
9	PSTDICC005	PL095739.D	21 May 2025 12:29	AR\AJ	Ok,M
10	PCHLORICC1000	PL095740.D	21 May 2025 12:42	AR\AJ	Ok
11	PCHLORICC750	PL095741.D	21 May 2025 12:56	AR\AJ	Ok
12	PCHLORICC500	PL095742.D	21 May 2025 13:10	AR\AJ	Ok
13	PCHLORICC250	PL095743.D	21 May 2025 13:23	AR\AJ	Ok
14	PCHLORICC050	PL095744.D	21 May 2025 13:37	AR\AJ	Ok,M
15	PTOXICC1000	PL095745.D	21 May 2025 13:50	AR\AJ	Ok
16	PTOXICC750	PL095746.D	21 May 2025 14:04	AR\AJ	Ok
17	PTOXICC500	PL095747.D	21 May 2025 14:18	AR\AJ	Ok
18	PTOXICC250	PL095748.D	21 May 2025 14:31	AR\AJ	Ok
19	PTOXICC100	PL095749.D	21 May 2025 14:45	AR\AJ	Ok,M
20	PSTDICV050	PL095750.D	21 May 2025 14:58	AR\AJ	Ok
21	PCHLORICV500	PL095751.D	21 May 2025 15:12	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL095752.D	21 May 2025 15:26	AR\AJ	Ok
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M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM
SubDirectory	PL053025	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095833.D	30 May 2025 08:16	AR\AJ	Ok
2	I.BLK	PL095834.D	30 May 2025 08:30	AR\AJ	Ok
3	PEM	PL095835.D	30 May 2025 09:10	AR\AJ	Ok,M
4	PSTDCCC050	PL095836.D	30 May 2025 09:24	AR\AJ	Ok
5	Q2137-01DL	PL095837.D	30 May 2025 09:39	AR\AJ	Ok,M
6	I.BLK	PL095838.D	30 May 2025 11:17	AR\AJ	Ok
7	PSTDCCC050	PL095839.D	30 May 2025 12:40	AR\AJ	Ok
8	PB168209BL	PL095840.D	30 May 2025 12:57	AR\AJ	Ok
9	PB168209BS	PL095841.D	30 May 2025 13:10	AR\AJ	Not Ok
10	Q2150-01	PL095842.D	30 May 2025 13:24	AR\AJ	Ok,M
11	Q2150-02	PL095843.D	30 May 2025 13:38	AR\AJ	Ok
12	Q2150-03	PL095844.D	30 May 2025 13:51	AR\AJ	Ok,M
13	Q2150-04	PL095845.D	30 May 2025 14:05	AR\AJ	Ok
14	Q2150-05	PL095846.D	30 May 2025 14:18	AR\AJ	Ok,M
15	Q2150-06	PL095847.D	30 May 2025 14:32	AR\AJ	Ok,M
16	Q2150-07	PL095848.D	30 May 2025 14:46	AR\AJ	Ok,M
17	Q2150-07MS	PL095849.D	30 May 2025 14:59	AR\AJ	Ok,M
18	Q2150-07MSD	PL095850.D	30 May 2025 15:13	AR\AJ	Ok,M
19	Q2150-08	PL095851.D	30 May 2025 15:26	AR\AJ	Ok
20	Q2150-09	PL095852.D	30 May 2025 15:40	AR\AJ	Ok,M
21	Q2150-10	PL095853.D	30 May 2025 15:54	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM
SubDirectory	PL053025	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PB168209BS	PL095854.D	30 May 2025 16:07	AR\AJ	Ok,M
23	Q2151-01	PL095855.D	30 May 2025 16:21	AR\AJ	Ok,M
24	Q2152-01	PL095856.D	30 May 2025 16:35	AR\AJ	Ok,M
25	Q2153-01	PL095857.D	30 May 2025 16:48	AR\AJ	Ok
26	I.BLK	PL095858.D	30 May 2025 18:19	AR\AJ	Ok
27	PSTDCCC050	PL095859.D	30 May 2025 18:33	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method p052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095731.D	21 May 2025 10:33		AR\AJ	Ok
2	I.BLK	I.BLK	PL095732.D	21 May 2025 10:47		AR\AJ	Ok
3	PEM	PEM	PL095733.D	21 May 2025 11:01		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095734.D	21 May 2025 11:14		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095735.D	21 May 2025 11:35		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095736.D	21 May 2025 11:48		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095737.D	21 May 2025 12:02		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095738.D	21 May 2025 12:15		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095739.D	21 May 2025 12:29		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095740.D	21 May 2025 12:42		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095741.D	21 May 2025 12:56		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095742.D	21 May 2025 13:10		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095743.D	21 May 2025 13:23		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095744.D	21 May 2025 13:37		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095745.D	21 May 2025 13:50		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095746.D	21 May 2025 14:04		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095747.D	21 May 2025 14:18		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095748.D	21 May 2025 14:31		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL052125

Review By	Abdul	Review On	5/22/2025 8:04:32 AM
Supervise By	mohammad	Supervise On	5/23/2025 5:17:22 AM
SubDirectory	PL052125	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL095749.D	21 May 2025 14:45		AR\AJ	Ok,M
20	PSTDICV050	ICVPL052125	PL095750.D	21 May 2025 14:58		AR\AJ	Ok
21	PCHLORICV500	ICVPL052125CHLOR	PL095751.D	21 May 2025 15:12		AR\AJ	Ok
22	PTOXICV500	ICVPL052125TOX	PL095752.D	21 May 2025 15:26		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM
SubDirectory	PL053025	HP Acquire Method	HP Processing Method p052125 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095833.D	30 May 2025 08:16		AR\AJ	Ok
2	I.BLK	I.BLK	PL095834.D	30 May 2025 08:30		AR\AJ	Ok
3	PEM	PEM	PL095835.D	30 May 2025 09:10		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095836.D	30 May 2025 09:24		AR\AJ	Ok
5	Q2137-01DL	MOO-25-0151DL	PL095837.D	30 May 2025 09:39	TCMX high in both column	AR\AJ	Ok,M
6	I.BLK	I.BLK	PL095838.D	30 May 2025 11:17		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PL095839.D	30 May 2025 12:40		AR\AJ	Ok
8	PB168209BL	PB168209BL	PL095840.D	30 May 2025 12:57		AR\AJ	Ok
9	PB168209BS	PB168209BS	PL095841.D	30 May 2025 13:10	alpha-BHC recovery fail	AR\AJ	Not Ok
10	Q2150-01	TP-44	PL095842.D	30 May 2025 13:24		AR\AJ	Ok,M
11	Q2150-02	TP-42	PL095843.D	30 May 2025 13:38		AR\AJ	Ok
12	Q2150-03	TP-39	PL095844.D	30 May 2025 13:51		AR\AJ	Ok,M
13	Q2150-04	TP-48	PL095845.D	30 May 2025 14:05		AR\AJ	Ok
14	Q2150-05	TP-47	PL095846.D	30 May 2025 14:18		AR\AJ	Ok,M
15	Q2150-06	TP-50	PL095847.D	30 May 2025 14:32		AR\AJ	Ok,M
16	Q2150-07	TP-51	PL095848.D	30 May 2025 14:46		AR\AJ	Ok,M
17	Q2150-07MS	TP-51MS	PL095849.D	30 May 2025 14:59		AR\AJ	Ok,M
18	Q2150-07MSD	TP-51MSD	PL095850.D	30 May 2025 15:13		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL053025

Review By	Abdul	Review On	6/2/2025 8:51:47 AM
Supervise By	mohammad	Supervise On	6/3/2025 2:04:07 AM
SubDirectory	PL053025	HP Acquire Method	HP Processing Method pl052125 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q2150-08	TP-52	PL095851.D	30 May 2025 15:26		AR\AJ	Ok
20	Q2150-09	TP-54	PL095852.D	30 May 2025 15:40		AR\AJ	Ok,M
21	Q2150-10	TP-53	PL095853.D	30 May 2025 15:54		AR\AJ	Ok,M
22	PB168209BS	PB168209BS	PL095854.D	30 May 2025 16:07		AR\AJ	Ok,M
23	Q2151-01	WC-1	PL095855.D	30 May 2025 16:21		AR\AJ	Ok,M
24	Q2152-01	OK-02-05292025	PL095856.D	30 May 2025 16:35		AR\AJ	Ok,M
25	Q2153-01	TR-04-0592025	PL095857.D	30 May 2025 16:48		AR\AJ	Ok
26	I.BLK	I.BLK	PL095858.D	30 May 2025 18:19		AR\AJ	Ok
27	PSTDCCC050	PSTDCCC050	PL095859.D	30 May 2025 18:33		AR\AJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil **Extraction Start Date :** 05/30/2025

Matrix : Solid **Extraction Start Time :** 08:50

Welgh By: EH **Extraction By:** RJ **Extraction End Date :** 05/30/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 11:50

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

pH Strip Lot#: N/A **Hood ID:** 3,7 **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	2.0ML	1000 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
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
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3938
Florisil	N/A	E3927
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: N/A **Envap ID:** NEVAP-02

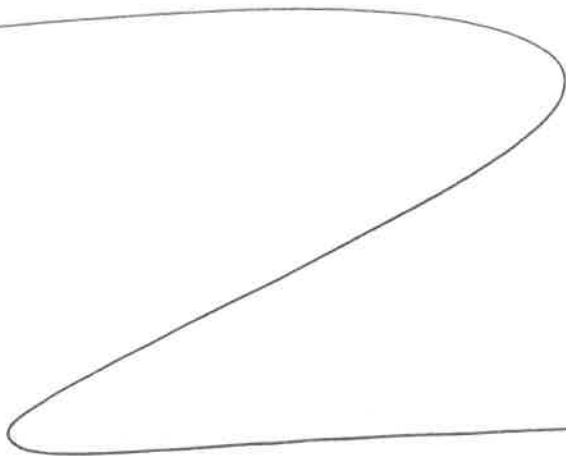
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (Ext Lab)	DR. Ped / PCB Lab
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168209BL	PBLK209	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			U1-1
PB168209BS	PLCS209	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			2
Q2150-01	TP-44	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		3
Q2150-02	TP-42	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2150-03	TP-39	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		5
Q2150-04	TP-48	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2150-05	TP-47	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U2-1
Q2150-06	TP-50	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2150-07	TP-51	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		3
Q2150-07MS	TP-51MS	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		4
Q2150-07MS D	TP-51MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		5
Q2150-08	TP-52	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-09	TP-54	Pesticide-TCL	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-10	TP-53	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		2
Q2151-01	WC-1	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q2152-01	OK-02-05292025	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		4
Q2153-01	TR-04-0592025	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5



RS
5/30

168205
05:45

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2150P WorkList ID : 189837 Department : Extraction Date : 05-30-2025 08:30:10

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-02	TP-42	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-03	TP-39	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-04	TP-48	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-05	TP-47	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-06	TP-50	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-07	TP-51	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-08	TP-52	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/27/2025	8081B
Q2150-09	TP-54	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2150-10	TP-53	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2151-01	WC-1	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/29/2025	8081B
Q2152-01	OK-02-05292025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L21	05/29/2025	8081B
Q2153-01	TR-04-0592025	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	05/29/2025	8081B

Date/Time 05/30/25 8:45
Raw Sample Received by: RJ LEE-Lab
Raw Sample Relinquished by: QJ SH

Date/Time 05/30/25 9:10
Raw Sample Received by: QJ SH
Raw Sample Relinquished by: RJ LEE-Lab



LAB CHRONICLE

OrderID:	Q2150	OrderDate:	5/28/2025 3:53:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	TP-44	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-02	TP-42	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-03	TP-39	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-04	TP-48	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-05	TP-47	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-06	TP-50	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-07	TP-51	SOIL			05/27/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-08	TP-52	SOIL			05/28/25			05/28/25
			PCB	8082A		05/30/25	05/30/25	
			Pesticide-TCL	8081B		05/30/25	05/30/25	
Q2150-09	TP-54	SOIL			05/28/25			05/28/25

LAB CHRONICLE

Q2150-10	TP-53	SOIL	PCB	8082A	05/30/25	05/30/25	05/28/25	05/28/25
			Pesticide-TCL	8081B	05/30/25	05/30/25		
			PCB	8082A	05/30/25	05/30/25		
			Pesticide-TCL	8081B	05/30/25	05/30/25		