

Hit Summary Sheet
SW-846

SDG No.: Q2176

Order ID: Q2176

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TP-25								
Q2176-03	TP-25	SOIL	Dieldrin	0.26	J	0.16	2.00	ug/kg
Total Concentration:				0.260				
Client ID : TP-26								
Q2176-04	TP-26	SOIL	4,4-DDE	1.40	J	0.16	2.00	ug/kg
Q2176-04	TP-26	SOIL	alpha-Chlordane	5.10	P	0.14	2.00	ug/kg
Q2176-04	TP-26	SOIL	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
Total Concentration:				9.400				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-46	SDG No.:	Q2176
Lab Sample ID:	Q2176-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.7
Sample Wt/Vol:	30.06	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
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

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	39.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.8		20 - 144	79%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		19 - 148	94%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/28/25	
Project:	South River WM Replacement		Date Received:	05/30/25	
Client Sample ID:	TP-46		SDG No.:	Q2176	
Lab Sample ID:	Q2176-01		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	83.7	Decanted:
Sample Wt/Vol:	30.06	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
PL095885.D	1	06/03/25 09:30	06/03/25 14:14	PB168253

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

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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2
Sample Wt/Vol:	30.04	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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

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	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		19 - 148	96%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-56	SDG No.:	Q2176
Lab Sample ID:	Q2176-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.2
Sample Wt/Vol:	30.04	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
PL095886.D	1	06/03/25 09:30	06/03/25 14:28	PB168253

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
Sample Wt/Vol:	30.07	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
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

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	0.26	J	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	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.7		20 - 144	73%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		19 - 148	101%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25	SDG No.:	Q2176
Lab Sample ID:	Q2176-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
Sample Wt/Vol:	30.07	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
PL095887.D	1	06/03/25 09:30	06/03/25 14:42	PB168253

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2
Sample Wt/Vol:	30.07	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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

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	1.40	J	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	5.10	P	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	2.90	P	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.6	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.2		20 - 144	56%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.7		19 - 148	63%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-26	SDG No.:	Q2176
Lab Sample ID:	Q2176-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.2
Sample Wt/Vol:	30.07	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
PL095890.D	1	06/03/25 09:30	06/03/25 15:22	PB168253

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.06	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
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.14	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.43	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.15	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	0.13	U	0.13	1.90	ug/kg
309-00-2	Aldrin	0.13	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.21	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	0.15	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	0.15	U	0.15	1.90	ug/kg
72-20-8	Endrin	0.15	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	0.32	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.15	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	0.21	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.41	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.13	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.00	U	6.00	36.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.2		20 - 144	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-28	SDG No.:	Q2176
Lab Sample ID:	Q2176-05	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	90.5
Sample Wt/Vol:	30.06	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
PL095891.D	1	06/03/25 09:30	06/03/25 15:36	PB168253

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

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-27	SDG No.:	Q2176
Lab Sample ID:	Q2176-06	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	83.1 Decanted:
Sample Wt/Vol:	30.04 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
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

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	0.22	U	0.22	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	39.7	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.72		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	12.3		19 - 148	61%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/29/25	
Project:	South River WM Replacement		Date Received:	05/30/25	
Client Sample ID:	TP-27		SDG No.:	Q2176	
Lab Sample ID:	Q2176-06		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	83.1	Decanted:
Sample Wt/Vol:	30.04	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
PL095892.D	1	06/03/25 09:30	06/03/25 15:50	PB168253

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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8 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
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

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	0.33	U	0.33	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	6.20	U	6.20	37.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	8.79		20 - 144	44%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.6		19 - 148	83%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-31	SDG No.:	Q2176
Lab Sample ID:	Q2176-07	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	86.8
Sample Wt/Vol:	30.07	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
PL095893.D	1	06/03/25 09:30	06/03/25 16:03	PB168253

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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3
Sample Wt/Vol:	30.01	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
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	1.90	ug/kg
319-86-8	delta-BHC	0.45	U	0.45	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.16	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	1.90	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.22	U	0.22	1.90	ug/kg
959-98-8	Endosulfan I	0.16	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.16	U	0.16	1.90	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.17	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.15	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	0.16	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.17	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	6.20	U	6.20	37.8	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.69		20 - 144	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.9		19 - 148	69%	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:	TP-65	SDG No.:	Q2176
Lab Sample ID:	Q2176-08	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	87.3
Sample Wt/Vol:	30.01	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
PL095894.D	1	06/03/25 09:30	06/03/25 16:17	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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N = Presumptive Evidence of a Compound

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QC SUMMARY

Surrogate Summary

SDG No.: Q2176

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		57	171
		Tetrachloro-m-xylene	1	20	16.4	82		61	148
		Decachlorobiphenyl	2	20	17.5	88		57	171
		Tetrachloro-m-xylene	2	20	16.0	80		61	148
I.BLK-PL095878.D	PIBLK-PL095878.D	Decachlorobiphenyl	1	20	23.3	116		57	171
		Tetrachloro-m-xylene	1	20	24.5	123		61	148
		Decachlorobiphenyl	2	20	22.2	111		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148
PB168253BL	PB168253BL	Decachlorobiphenyl	1	20	20.8	104		20	144
		Tetrachloro-m-xylene	1	20	20.8	104		19	148
		Decachlorobiphenyl	2	20	19.2	96		20	144
		Tetrachloro-m-xylene	2	20	19.3	97		19	148
PB168253BS	PB168253BS	Decachlorobiphenyl	1	20	19.9	100		20	144
		Tetrachloro-m-xylene	1	20	20.2	101		19	148
		Decachlorobiphenyl	2	20	19.5	98		20	144
		Tetrachloro-m-xylene	2	20	19.2	96		19	148
Q2176-01	TP-46	Decachlorobiphenyl	1	20	15.8	79		20	144
		Tetrachloro-m-xylene	1	20	18.8	94		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	18.4	92		19	148
Q2176-02	TP-56	Decachlorobiphenyl	1	20	13.1	66		20	144
		Tetrachloro-m-xylene	1	20	19.1	96		19	148
		Decachlorobiphenyl	2	20	12.7	63		20	144
		Tetrachloro-m-xylene	2	20	18.5	93		19	148
Q2176-03	TP-25	Decachlorobiphenyl	1	20	14.7	73		20	144
		Tetrachloro-m-xylene	1	20	20.3	101		19	148
		Decachlorobiphenyl	2	20	14.7	73		20	144
		Tetrachloro-m-xylene	2	20	19.8	99		19	148
Q2176-03MS	TP-25MS	Decachlorobiphenyl	1	20	11.5	58		20	144
		Tetrachloro-m-xylene	1	20	15.8	79		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	15.1	76		19	148
Q2176-03MSD	TP-25MSD	Decachlorobiphenyl	1	20	11.5	57		20	144
		Tetrachloro-m-xylene	1	20	15.4	77		19	148
		Decachlorobiphenyl	2	20	11.4	57		20	144
		Tetrachloro-m-xylene	2	20	14.8	74		19	148
Q2176-04	TP-26	Decachlorobiphenyl	1	20	11.2	56		20	144
		Tetrachloro-m-xylene	1	20	12.3	62		19	148
		Decachlorobiphenyl	2	20	8.34	42		20	144
		Tetrachloro-m-xylene	2	20	12.7	63		19	148
Q2176-05	TP-28	Decachlorobiphenyl	1	20	14.2	71		20	144

Surrogate Summary

SDG No.: Q2176

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2176-05	TP-28	Tetrachloro-m-xylene	1	20	18.1	90		19	148
		Decachlorobiphenyl	2	20	11.9	59		20	144
Q2176-06	TP-27	Tetrachloro-m-xylene	2	20	18.2	91		19	148
		Decachlorobiphenyl	1	20	8.72	44		20	144
		Tetrachloro-m-xylene	1	20	12.3	61		19	148
		Decachlorobiphenyl	2	20	8.32	42		20	144
Q2176-07	TP-31	Tetrachloro-m-xylene	2	20	12.1	61		19	148
		Decachlorobiphenyl	1	20	8.79	44		20	144
		Tetrachloro-m-xylene	1	20	16.5	83		19	148
		Decachlorobiphenyl	2	20	8.22	41		20	144
Q2176-08	TP-65	Tetrachloro-m-xylene	2	20	16.6	83		19	148
		Decachlorobiphenyl	1	20	9.69	48		20	144
		Tetrachloro-m-xylene	1	20	13.9	69		19	148
		Decachlorobiphenyl	2	20	7.97	40		20	144
I.BLK-PL095896.D	PIBLK-PL095896.D	Tetrachloro-m-xylene	2	20	13.6	68		19	148
		Decachlorobiphenyl	1	20	19.8	99		57	171
		Tetrachloro-m-xylene	1	20	22.6	113		61	148
		Decachlorobiphenyl	2	20	17.9	90		57	171
		Tetrachloro-m-xylene	2	20	23.0	115		61	148

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095888.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2176-03MS (Column 1)	TP-25MS alpha-BHC	19.43	0	17.8	ug/kg	92				60	144	
	beta-BHC	19.43	0	17.0	ug/kg	87				54	143	
	delta-BHC	19.43	0	17.5	ug/kg	90				29	151	
	gamma-BHC (Lindane)	19.43	0	17.7	ug/kg	91				61	140	
	Heptachlor	19.43	0	17.3	ug/kg	89				63	135	
	Aldrin	19.43	0	17.7	ug/kg	91				49	139	
	Heptachlor epoxide	19.43	0	17.8	ug/kg	92				41	156	
	Endosulfan I	19.43	0	17.5	ug/kg	90				56	142	
	Dieldrin	19.43	0.18	17.7	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	16.6	ug/kg	85				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	16.5	ug/kg	85				40	163	
	4,4'-DDD	19.43	0	17.8	ug/kg	92				47	163	
	Endosulfan sulfate	19.43	0	16.6	ug/kg	85				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	
	Methoxychlor	19.43	0	16.5	ug/kg	85				54	136	
	Endrin ketone	19.43	0	17.7	ug/kg	91				60	129	
	Endrin aldehyde	19.43	0	16.7	ug/kg	86				59	132	
	alpha-Chlordane	19.43	0	17.3	ug/kg	89				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	
Client Sample ID: Q2176-03MS (Column 2)	TP-25MS alpha-BHC	19.43	0	18.2	ug/kg	94				60	144	
	beta-BHC	19.43	0	17.5	ug/kg	90				54	143	
	delta-BHC	19.43	0	17.8	ug/kg	92				29	151	
	gamma-BHC (Lindane)	19.43	0	18.0	ug/kg	93				61	140	
	Heptachlor	19.43	0	17.5	ug/kg	90				63	135	
	Aldrin	19.43	0	17.9	ug/kg	92				49	139	
	Heptachlor epoxide	19.43	0	17.7	ug/kg	91				41	156	
	Endosulfan I	19.43	0	17.3	ug/kg	89				56	142	
	Dieldrin	19.43	0.26	17.4	ug/kg	90				47	161	
	4,4'-DDE	19.43	0	17.3	ug/kg	89				55	136	
	Endrin	19.43	0	16.8	ug/kg	86				57	139	
	Endosulfan II	19.43	0	17.0	ug/kg	87				40	163	
	4,4'-DDD	19.43	0	17.1	ug/kg	88				47	163	
	Endosulfan sulfate	19.43	0	16.8	ug/kg	86				62	139	
	4,4'-DDT	19.43	0	16.3	ug/kg	84				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095888.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2176-03MS (Column 2)	Methoxychlor	19.43	0	15.8	ug/kg	81				54	136	
	Endrin ketone	19.43	0	16.9	ug/kg	87				60	129	
	Endrin aldehyde	19.43	0	17.0	ug/kg	87				59	132	
	alpha-Chlordane	19.43	0	17.5	ug/kg	90				39	166	
	gamma-Chlordane	19.43	0	17.6	ug/kg	91				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095889.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2176-03MSD (Column 1)	TP-25MSD											
	alpha-BHC	19.4	0	17.6	ug/kg	91		1		60	144	20
	beta-BHC	19.4	0	16.8	ug/kg	87		0		54	143	20
	delta-BHC	19.4	0	17.4	ug/kg	90		0		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.5	ug/kg	90		1		61	140	20
	Heptachlor	19.4	0	17.0	ug/kg	88		1		63	135	20
	Aldrin	19.4	0	17.6	ug/kg	91		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		1		41	156	20
	Endosulfan I	19.4	0	17.3	ug/kg	89		1		56	142	20
	Dieldrin	19.4	0.18	17.6	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	16.9	ug/kg	87		2		55	136	20
	Endrin	19.4	0	16.7	ug/kg	86		0		57	139	20
	Endosulfan II	19.4	0	16.5	ug/kg	85		0		40	163	20
	4,4'-DDD	19.4	0	17.7	ug/kg	91		1		47	163	20
	Endosulfan sulfate	19.4	0	16.8	ug/kg	87		2		62	139	20
	4,4'-DDT	19.4	0	16.3	ug/kg	84		0		51	146	20
	Methoxychlor	19.4	0	16.2	ug/kg	84		1		54	136	20
	Endrin ketone	19.4	0	17.4	ug/kg	90		1		60	129	20
	Endrin aldehyde	19.4	0	16.6	ug/kg	86		0		59	132	20
	alpha-Chlordane	19.4	0	17.2	ug/kg	89		0		39	166	20
	gamma-Chlordane	19.4	0	17.6	ug/kg	91		0		44	175	20
Client Sample ID: Q2176-03MSD (Column 2)	TP-25MSD											
	alpha-BHC	19.4	0	18.0	ug/kg	93		1		60	144	20
	beta-BHC	19.4	0	17.3	ug/kg	89		1		54	143	20
	delta-BHC	19.4	0	17.6	ug/kg	91		1		29	151	20
	gamma-BHC (Lindane)	19.4	0	17.8	ug/kg	92		1		61	140	20
	Heptachlor	19.4	0	17.1	ug/kg	88		2		63	135	20
	Aldrin	19.4	0	17.8	ug/kg	92		0		49	139	20
	Heptachlor epoxide	19.4	0	17.7	ug/kg	91		0		41	156	20
	Endosulfan I	19.4	0	17.2	ug/kg	89		0		56	142	20
	Dieldrin	19.4	0.26	17.3	ug/kg	89		1		47	161	20
	4,4'-DDE	19.4	0	17.0	ug/kg	88		1		55	136	20
	Endrin	19.4	0	16.5	ug/kg	85		1		57	139	20
	Endosulfan II	19.4	0	17.0	ug/kg	88		1		40	163	20
	4,4'-DDD	19.4	0	17.0	ug/kg	88		0		47	163	20
	Endosulfan sulfate	19.4	0	16.7	ug/kg	86		0		62	139	20
	4,4'-DDT	19.4	0	16.1	ug/kg	83		1		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PL095889.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2176-03MSD (Column 2)	Methoxychlor	19.4	0	15.7	ug/kg	81		0		54	136	20
	Endrin ketone	19.4	0	17.0	ug/kg	88		1		60	129	20
	Endrin aldehyde	19.4	0	17.0	ug/kg	88		1		59	132	20
	alpha-Chlordane	19.4	0	17.4	ug/kg	90		0		39	166	20
	gamma-Chlordane	19.4	0	17.5	ug/kg	90		1		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2176</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PL095882.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168253BS (Column 1)	alpha-BHC	16.65	16.8	ug/kg	101				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.6	ug/kg	100				83	126	
	gamma-BHC (Lindane)	16.65	16.8	ug/kg	101				83	125	
	Heptachlor	16.65	16.4	ug/kg	98				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				83	120	
	Endosulfan I	16.65	16.7	ug/kg	100				81	124	
	Dieldrin	16.65	17.0	ug/kg	102				85	121	
	4,4'-DDE	16.65	16.6	ug/kg	100				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	15.7	ug/kg	94				80	125	
	4,4'-DDD	16.65	16.7	ug/kg	100				80	131	
	Endosulfan sulfate	16.65	16.4	ug/kg	98				81	122	
	4,4'-DDT	16.65	15.6	ug/kg	94				70	129	
	Methoxychlor	16.65	15.6	ug/kg	94				60	119	
	Endrin ketone	16.65	16.8	ug/kg	101				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	
PB168253BS (Column 2)	alpha-BHC	16.65	17.0	ug/kg	102				84	123	
	beta-BHC	16.65	16.4	ug/kg	98				82	123	
	delta-BHC	16.65	16.8	ug/kg	101				83	126	
	gamma-BHC (Lindane)	16.65	16.9	ug/kg	102				83	125	
	Heptachlor	16.65	16.6	ug/kg	100				83	122	
	Aldrin	16.65	17.0	ug/kg	102				82	124	
	Heptachlor epoxide	16.65	16.9	ug/kg	102				83	120	
	Endosulfan I	16.65	16.8	ug/kg	101				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.3	ug/kg	98				81	123	
	Endrin	16.65	15.6	ug/kg	94				76	130	
	Endosulfan II	16.65	16.5	ug/kg	99				80	125	
	4,4'-DDD	16.65	17.1	ug/kg	103				80	131	
	Endosulfan sulfate	16.65	16.5	ug/kg	99				81	122	
	4,4'-DDT	16.65	15.1	ug/kg	91				70	129	
	Methoxychlor	16.65	14.4	ug/kg	86				60	119	
	Endrin ketone	16.65	16.9	ug/kg	102				77	132	
	Endrin aldehyde	16.65	16.6	ug/kg	100				79	124	
	alpha-Chlordane	16.65	16.7	ug/kg	100				84	120	
	gamma-Chlordane	16.65	16.9	ug/kg	102				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168253BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: PB168253BL

Lab File ID: PL095881.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 06/03/2025

Date Analyzed (1): 06/03/2025

Date Analyzed (2): 06/03/2025

Time Analyzed (1): 12:49

Time Analyzed (2): 12:49

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
PB168253BS	PB168253BS	PL095882.D	06/03/2025	06/03/2025
TP-46	Q2176-01	PL095885.D	06/03/2025	06/03/2025
TP-56	Q2176-02	PL095886.D	06/03/2025	06/03/2025
TP-25	Q2176-03	PL095887.D	06/03/2025	06/03/2025
TP-25MS	Q2176-03MS	PL095888.D	06/03/2025	06/03/2025
TP-25MSD	Q2176-03MSD	PL095889.D	06/03/2025	06/03/2025
TP-26	Q2176-04	PL095890.D	06/03/2025	06/03/2025
TP-28	Q2176-05	PL095891.D	06/03/2025	06/03/2025
TP-27	Q2176-06	PL095892.D	06/03/2025	06/03/2025
TP-31	Q2176-07	PL095893.D	06/03/2025	06/03/2025
TP-65	Q2176-08	PL095894.D	06/03/2025	06/03/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

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	20.8		20 - 144	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		19 - 148	104%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BL	SDG No.:	Q2176
Lab Sample ID:	PB168253BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	Pesticide-TCL
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095881.D	1	06/03/25 09:30	06/03/25 12:49	PB168253

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.:	Q2176
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	Decanted:	
		Final Vol:	10000
		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		57 - 171	91%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.4		61 - 148	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.:	Q2176	
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:

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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095878.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

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	23.3		57 - 171	116%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.5		61 - 148	123%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/03/25	
Project:	South River WM Replacement		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PL095878.D		SDG No.:	Q2176	
Lab Sample ID:	I.BLK-PL095878.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
PL095878.D	1		06/03/25	pl060325

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:	06/03/25
Project:	South River WM Replacement	Date Received:	06/03/25
Client Sample ID:	PIBLK-PL095896.D	SDG No.:	Q2176
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

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	19.8		57 - 171	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		61 - 148	115%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	06/03/25	
Project:	South River WM Replacement		Date Received:	06/03/25	
Client Sample ID:	PIBLK-PL095896.D		SDG No.:	Q2176	
Lab Sample ID:	I.BLK-PL095896.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
PL095896.D	1		06/03/25	pl060325

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:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168253BS	SDG No.:	Q2176
Lab Sample ID:	PB168253BS	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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.0		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.4		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.8		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	16.9		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.6		0.12	1.70	ug/kg
309-00-2	Aldrin	17.0		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	16.9		0.19	1.70	ug/kg
959-98-8	Endosulfan I	16.8		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.0		0.14	1.70	ug/kg
72-55-9	4,4-DDE	16.6		0.14	1.70	ug/kg
72-20-8	Endrin	15.6		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	16.5		0.29	1.70	ug/kg
72-54-8	4,4-DDD	17.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	16.5		0.13	1.70	ug/kg
50-29-3	4,4-DDT	15.6		0.14	1.70	ug/kg
72-43-5	Methoxychlor	15.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.6		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	16.7		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	16.9		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		20 - 144	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		19 - 148	101%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168253BS		SDG No.:	Q2176	
Lab Sample ID:	PB168253BS		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
PL095882.D	1	06/03/25 09:30	06/03/25 13:03	PB168253

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

U = Not Detected

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MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
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
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.2		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.5		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.8		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	18.0		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.5		0.14	2.00	ug/kg
309-00-2	Aldrin	17.9		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.8		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.5		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.7		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.3		0.16	2.00	ug/kg
72-20-8	Endrin	16.8		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.8		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.5		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.7		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.5		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	58%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.8		19 - 148	79%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MS	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
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
PL095888.D	1	06/03/25 09:30	06/03/25 14:55	PB168253

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

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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:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.0		0.15	2.00	ug/kg
319-85-7	beta-BHC	17.3		0.21	2.00	ug/kg
319-86-8	delta-BHC	17.6		0.45	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	17.8		0.16	2.00	ug/kg
76-44-8	Heptachlor	17.1		0.14	2.00	ug/kg
309-00-2	Aldrin	17.8		0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	17.7		0.22	2.00	ug/kg
959-98-8	Endosulfan I	17.3		0.16	2.00	ug/kg
60-57-1	Dieldrin	17.6		0.16	2.00	ug/kg
72-55-9	4,4-DDE	17.0		0.16	2.00	ug/kg
72-20-8	Endrin	16.7		0.16	2.00	ug/kg
33213-65-9	Endosulfan II	17.0		0.34	2.00	ug/kg
72-54-8	4,4-DDD	17.7		0.17	2.00	ug/kg
1031-07-8	Endosulfan Sulfate	16.8		0.15	2.00	ug/kg
50-29-3	4,4-DDT	16.3		0.16	2.00	ug/kg
72-43-5	Methoxychlor	16.2		0.43	2.00	ug/kg
53494-70-5	Endrin ketone	17.4		0.22	2.00	ug/kg
7421-93-4	Endrin aldehyde	17.0		0.43	2.00	ug/kg
5103-71-9	alpha-Chlordane	17.4		0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	17.6		0.17	2.00	ug/kg
8001-35-2	Toxaphene	6.30	U	6.30	38.4	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	11.5		20 - 144	57%	SPK: 20
877-09-8	Tetrachloro-m-xylene	15.4		19 - 148	77%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/29/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	TP-25MSD	SDG No.:	Q2176
Lab Sample ID:	Q2176-03MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	85.7
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
PL095889.D	1	06/03/25 09:30	06/03/25 15:09	PB168253

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

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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

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

A
B
C
D
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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 = <u>PL095735.D</u>		CF 075 = <u>PL095736.D</u>			
CF 050 = <u>PL095737.D</u>		CF 025 = <u>PL095738.D</u>		CF 005 = <u>PL095739.D</u>			
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.:** Q2176 **SAS No.:** Q2176 **SDG NO.:** Q2176

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

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

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

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 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	4.02	4.03	3.93	4.13	0.01
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	4.95	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	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
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	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 09:56 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	0.00
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	5.92	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	5.19	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095880.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.732	6.634	6.834	54.330	50.000	8.7
4,4'-DDE	6.223	6.124	6.324	52.600	50.000	5.2
4,4'-DDT	7.048	6.950	7.150	50.810	50.000	1.6
Aldrin	5.296	5.197	5.397	55.700	50.000	11.4
alpha-BHC	4.024	3.925	4.125	55.670	50.000	11.3
alpha-Chlordane	6.053	5.954	6.154	54.590	50.000	9.2
beta-BHC	4.543	4.444	4.644	54.960	50.000	9.9
Decachlorobiphenyl	9.099	9.003	9.203	50.410	50.000	0.8
delta-BHC	4.792	4.692	4.892	54.900	50.000	9.8
Dieldrin	6.374	6.275	6.475	54.900	50.000	9.8
Endosulfan I	6.100	6.002	6.202	54.550	50.000	9.1
Endosulfan II	6.814	6.715	6.915	49.230	50.000	-1.5
Endosulfan sulfate	7.176	7.078	7.278	52.640	50.000	5.3
Endrin	6.601	6.502	6.702	51.610	50.000	3.2
Endrin aldehyde	6.942	6.844	7.044	53.510	50.000	7.0
Endrin ketone	7.658	7.560	7.760	53.170	50.000	6.3
gamma-BHC (Lindane)	4.356	4.257	4.457	55.600	50.000	11.2
gamma-Chlordane	5.972	5.873	6.073	55.720	50.000	11.4
Heptachlor	4.953	4.855	5.055	54.350	50.000	8.7
Heptachlor epoxide	5.717	5.618	5.818	55.510	50.000	11.0
Methoxychlor	7.521	7.423	7.623	51.720	50.000	3.4
Tetrachloro-m-xylene	3.573	3.473	3.673	55.690	50.000	11.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

Client Sample No.: CCAL01 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095880.D Time Analyzed: 09:56

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.923	5.826	6.026	54.870	50.000	9.7
4,4'-DDE	5.372	5.274	5.474	53.030	50.000	6.1
4,4'-DDT	6.176	6.080	6.280	50.640	50.000	1.3
Aldrin	4.366	4.268	4.468	57.020	50.000	14.0
alpha-BHC	3.395	3.296	3.496	56.700	50.000	13.4
alpha-Chlordane	5.185	5.087	5.287	55.530	50.000	11.1
beta-BHC	4.024	3.926	4.126	55.470	50.000	10.9
Decachlorobiphenyl	8.059	7.964	8.164	51.100	50.000	2.2
delta-BHC	4.260	4.161	4.361	55.570	50.000	11.1
Dieldrin	5.505	5.408	5.608	55.500	50.000	11.0
Endosulfan I	5.240	5.143	5.343	50.760	50.000	1.5
Endosulfan II	6.069	5.973	6.173	54.320	50.000	8.6
Endosulfan sulfate	6.471	6.375	6.575	53.440	50.000	6.9
Endrin	5.778	5.683	5.883	51.800	50.000	3.6
Endrin aldehyde	6.248	6.151	6.351	54.090	50.000	8.2
Endrin ketone	6.977	6.880	7.080	53.690	50.000	7.4
gamma-BHC (Lindane)	3.729	3.630	3.830	56.170	50.000	12.3
gamma-Chlordane	5.120	5.023	5.223	55.590	50.000	11.2
Heptachlor	4.082	3.983	4.183	55.200	50.000	10.4
Heptachlor epoxide	4.868	4.771	4.971	55.170	50.000	10.3
Methoxychlor	6.747	6.651	6.851	49.000	50.000	-2.0
Tetrachloro-m-xylene	2.886	2.786	2.986	54.700	50.000	9.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 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	4.02	4.03	3.93	4.13	0.01
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	4.95	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	6.37	6.38	6.28	6.48	0.01
4,4'-DDE	6.22	6.22	6.12	6.32	0.00
Endrin	6.60	6.60	6.50	6.70	0.00
Endosulfan II	6.81	6.82	6.72	6.92	0.01
4,4'-DDD	6.73	6.73	6.63	6.83	0.00
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	6.94	6.94	6.84	7.04	0.00
alpha-Chlordane	6.05	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

Continuing Calib Date: 06/03/2025 Initial Calibration Date(s): 05/21/2025 05/21/2025

Continuing Calib Time: 17:01 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	0.00
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	4.36	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	5.51	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	5.92	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.: Q2176 SAS No.: Q2176 SDG NO.: Q2176

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

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.733	6.634	6.834	46.270	50.000	-7.5
4,4'-DDE	6.222	6.124	6.324	46.320	50.000	-7.4
4,4'-DDT	7.047	6.950	7.150	44.000	50.000	-12.0
Aldrin	5.296	5.197	5.397	48.690	50.000	-2.6
alpha-BHC	4.024	3.925	4.125	50.060	50.000	0.1
alpha-Chlordane	6.052	5.954	6.154	47.030	50.000	-5.9
beta-BHC	4.543	4.444	4.644	49.130	50.000	-1.7
Decachlorobiphenyl	9.098	9.003	9.203	43.980	50.000	-12.0
delta-BHC	4.791	4.692	4.892	49.560	50.000	-0.9
Dieldrin	6.373	6.275	6.475	47.010	50.000	-6.0
Endosulfan I	6.100	6.002	6.202	47.200	50.000	-5.6
Endosulfan II	6.814	6.715	6.915	42.140	50.000	-15.7
Endosulfan sulfate	7.176	7.078	7.278	45.150	50.000	-9.7
Endrin	6.601	6.502	6.702	44.600	50.000	-10.8
Endrin aldehyde	6.942	6.844	7.044	46.040	50.000	-7.9
Endrin ketone	7.657	7.560	7.760	46.370	50.000	-7.3
gamma-BHC (Lindane)	4.356	4.257	4.457	49.830	50.000	-0.3
gamma-Chlordane	5.971	5.873	6.073	47.550	50.000	-4.9
Heptachlor	4.953	4.855	5.055	48.950	50.000	-2.1
Heptachlor epoxide	5.717	5.618	5.818	48.650	50.000	-2.7
Methoxychlor	7.520	7.423	7.623	44.540	50.000	-10.9
Tetrachloro-m-xylene	3.572	3.473	3.673	50.900	50.000	1.8

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

Client Sample No.: CCAL02 Date Analyzed: 06/03/2025

Lab Sample No.: PSTDCCC050 Data File : PL095897.D Time Analyzed: 17:01

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.922	5.826	6.026	47.940	50.000	-4.1
4,4'-DDE	5.371	5.274	5.474	45.770	50.000	-8.5
4,4'-DDT	6.177	6.080	6.280	41.460	50.000	-17.1
Aldrin	4.364	4.268	4.468	51.850	50.000	3.7
alpha-BHC	3.395	3.296	3.496	53.460	50.000	6.9
alpha-Chlordane	5.184	5.087	5.287	49.960	50.000	-0.1
beta-BHC	4.024	3.926	4.126	51.510	50.000	3.0
Decachlorobiphenyl	8.059	7.964	8.164	42.370	50.000	-15.3
delta-BHC	4.259	4.161	4.361	52.410	50.000	4.8
Dieldrin	5.505	5.408	5.608	48.900	50.000	-2.2
Endosulfan I	5.240	5.143	5.343	45.990	50.000	-8.0
Endosulfan II	6.070	5.973	6.173	46.740	50.000	-6.5
Endosulfan sulfate	6.471	6.375	6.575	44.900	50.000	-10.2
Endrin	5.779	5.683	5.883	45.120	50.000	-9.8
Endrin aldehyde	6.248	6.151	6.351	46.350	50.000	-7.3
Endrin ketone	6.977	6.880	7.080	43.910	50.000	-12.2
gamma-BHC (Lindane)	3.729	3.630	3.830	52.270	50.000	4.5
gamma-Chlordane	5.120	5.023	5.223	49.880	50.000	-0.2
Heptachlor	4.081	3.983	4.183	51.390	50.000	2.8
Heptachlor epoxide	4.868	4.771	4.971	49.980	50.000	0.0
Methoxychlor	6.747	6.651	6.851	40.990	50.000	-18.0
Tetrachloro-m-xylene	2.886	2.786	2.986	51.450	50.000	2.9

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

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

Client Sample No. (PEM): PEM - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.098	9.000	9.200	22.730	20.000	13.7
Tetrachloro-m-xylene	3.572	3.520	3.620	23.620	20.000	18.1
alpha-BHC	4.024	3.970	4.070	11.250	10.000	12.5
beta-BHC	4.542	4.490	4.590	11.840	10.000	18.4
gamma-BHC (Lindane)	4.355	4.300	4.410	11.530	10.000	15.3
Endrin	6.600	6.530	6.670	53.670	50.000	7.3
4,4'-DDT	7.047	6.980	7.120	103.120	100.000	3.1
Methoxychlor	7.520	7.450	7.590	250.820	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 - PL095879.D **Date Analyzed:** 06/03/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 09:42

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.059	7.960	8.160	21.700	20.000	8.5
Tetrachloro-m-xylene	2.885	2.830	2.940	22.520	20.000	12.6
alpha-BHC	3.394	3.340	3.440	10.800	10.000	8.0
beta-BHC	4.024	3.970	4.070	11.430	10.000	14.3
gamma-BHC (Lindane)	3.728	3.680	3.780	10.890	10.000	8.9
Endrin	5.778	5.710	5.850	53.730	50.000	7.5
4,4'-DDT	6.176	6.110	6.250	107.430	100.000	7.4
Methoxychlor	6.746	6.680	6.820	225.220	250.000	-9.9

Analytical Sequence

Client: CDM Smith	SDG No.: Q2176
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
PSTDICCC100	PSTDICCC100	05/21/2025	11:35	PL095735.D	9.11	3.58
PSTDICCC075	PSTDICCC075	05/21/2025	11:48	PL095736.D	9.10	3.57
PSTDICCC050	PSTDICCC050	05/21/2025	12:02	PL095737.D	9.10	3.57
PSTDICCC025	PSTDICCC025	05/21/2025	12:15	PL095738.D	9.10	3.57
PSTDICCC005	PSTDICCC005	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
IBLK	IBLK	06/03/2025	09:28	PL095878.D	9.10	3.57
PEM	PEM	06/03/2025	09:42	PL095879.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	9.10	3.57
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	9.11	3.58
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	9.10	3.57
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	9.10	3.57
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	9.10	3.57
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	9.10	3.57
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	9.10	3.57
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	9.10	3.57
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	9.10	3.57
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	9.10	3.57
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	9.10	3.57
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	9.10	3.57
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	9.10	3.57
IBLK	IBLK	06/03/2025	16:48	PL095896.D	9.10	3.57
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	9.10	3.57

Analytical Sequence

Client: CDM Smith	SDG No.: Q2176
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
IBLK	IBLK	06/03/2025	09:28	PL095878.D	8.06	2.89
PEM	PEM	06/03/2025	09:42	PL095879.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	09:56	PL095880.D	8.06	2.89
PB168253BL	PB168253BL	06/03/2025	12:49	PL095881.D	8.06	2.88
PB168253BS	PB168253BS	06/03/2025	13:03	PL095882.D	8.06	2.88
TP-46	Q2176-01	06/03/2025	14:14	PL095885.D	8.06	2.89
TP-56	Q2176-02	06/03/2025	14:28	PL095886.D	8.06	2.89
TP-25	Q2176-03	06/03/2025	14:42	PL095887.D	8.06	2.89
TP-25MS	Q2176-03MS	06/03/2025	14:55	PL095888.D	8.06	2.89
TP-25MSD	Q2176-03MSD	06/03/2025	15:09	PL095889.D	8.06	2.89
TP-26	Q2176-04	06/03/2025	15:22	PL095890.D	8.06	2.89
TP-28	Q2176-05	06/03/2025	15:36	PL095891.D	8.06	2.89
TP-27	Q2176-06	06/03/2025	15:50	PL095892.D	8.06	2.89
TP-31	Q2176-07	06/03/2025	16:03	PL095893.D	8.06	2.89
TP-65	Q2176-08	06/03/2025	16:17	PL095894.D	8.06	2.89
IBLK	IBLK	06/03/2025	16:48	PL095896.D	8.06	2.89
PSTDCCC050	PSTDCCC050	06/03/2025	17:01	PL095897.D	8.06	2.89

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168253BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2176

SAS No.: Q2176

SDG NO.: Q2176

Lab Sample ID: PB168253BS

Date(s) Analyzed: 06/03/2025

06/03/2025

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	6.73	6.68	6.78	16.7	2.4
	2	5.92	5.87	5.97	17.1	
4,4'-DDE	1	6.22	6.17	6.27	16.6	1.8
	2	5.37	5.32	5.42	16.3	
4,4'-DDT	1	7.05	7.00	7.10	15.6	3.3
	2	6.18	6.13	6.23	15.1	
alpha-BHC	1	4.02	3.97	4.07	16.8	1.2
	2	3.39	3.34	3.44	17.0	
Aldrin	1	5.30	5.25	5.35	17.0	0
	2	4.37	4.32	4.42	17.0	
alpha-Chlordane	1	6.05	6.00	6.10	16.7	0
	2	5.18	5.13	5.23	16.7	
Endosulfan II	1	6.81	6.76	6.86	15.7	5
	2	6.07	6.02	6.12	16.5	
Endosulfan sulfate	1	7.18	7.13	7.23	16.4	0.6
	2	6.47	6.42	6.52	16.5	
beta-BHC	1	4.54	4.49	4.59	16.4	0
	2	4.02	3.97	4.07	16.4	
delta-BHC	1	4.79	4.74	4.84	16.6	1.2
	2	4.26	4.21	4.31	16.8	
Endosulfan I	1	6.10	6.05	6.15	16.7	0.6
	2	5.24	5.19	5.29	16.8	
Dieldrin	1	6.37	6.32	6.42	17.0	2.4
	2	5.50	5.45	5.55	16.6	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	0
	2	6.25	6.20	6.30	16.6	
Methoxychlor	1	7.52	7.47	7.57	15.6	8
	2	6.75	6.70	6.80	14.4	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168253BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2176

SAS No.: Q2176

SDG NO.: Q2176

Lab Sample ID: PB168253BS

Date(s) Analyzed: 06/03/2025

06/03/2025

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		
Endrin ketone	1	7.66	7.61	7.71	16.8	0.6
	2	6.98	6.93	7.03	16.9	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	16.8	0.6
	2	3.73	3.68	3.78	16.9	
Heptachlor	1	4.95	4.90	5.00	16.4	1.2
	2	4.08	4.03	4.13	16.6	
Heptachlor epoxide	1	5.72	5.67	5.77	16.9	0
	2	4.87	4.82	4.92	16.9	
gamma-Chlordane	1	5.97	5.92	6.02	16.9	0
	2	5.12	5.07	5.17	16.9	
Endrin	1	6.60	6.55	6.65	15.6	0
	2	5.78	5.73	5.83	15.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2176

SAS No.: Q2176

SDG NO.: Q2176

Lab Sample ID: Q2176-03

Date(s) Analyzed: 06/03/2025 06/03/2025

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		
Dieldrin	1	6.37	6.32	6.42	0.18	35.1
	2	5.50	5.45	5.55	0.26	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-03MS

Date(s) Analyzed: 06/03/2025 06/03/2025

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	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.8	4
	2	5.92	5.87	5.97	17.1	
4,4'-DDT	1	7.05	7.00	7.10	16.3	0
	2	6.18	6.13	6.23	16.3	
Endrin aldehyde	1	6.94	6.89	6.99	16.7	1.8
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.6	1.2
	2	6.47	6.42	6.52	16.8	
Methoxychlor	1	7.52	7.47	7.57	16.5	4.3
	2	6.75	6.70	6.80	15.8	
Endrin ketone	1	7.66	7.61	7.71	17.7	4.6
	2	6.98	6.93	7.03	16.9	
alpha-BHC	1	4.02	3.97	4.07	17.8	2.2
	2	3.40	3.35	3.45	18.2	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.7	1.7
	2	3.73	3.68	3.78	18.0	
Heptachlor	1	4.95	4.90	5.00	17.3	1.1
	2	4.08	4.03	4.13	17.5	
Aldrin	1	5.30	5.25	5.35	17.7	1.1
	2	4.37	4.32	4.42	17.9	
beta-BHC	1	4.54	4.49	4.59	17.0	2.9
	2	4.02	3.97	4.07	17.5	
delta-BHC	1	4.79	4.74	4.84	17.5	1.7
	2	4.26	4.21	4.31	17.8	
Heptachlor epoxide	1	5.72	5.67	5.77	17.8	0.6
	2	4.87	4.82	4.92	17.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-03MS

Date(s) Analyzed: 06/03/2025 06/03/2025

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	17.5	1.1
	2	5.24	5.19	5.29	17.3	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0
	2	5.12	5.07	5.17	17.6	
alpha-Chlordane	1	6.05	6.00	6.10	17.3	1.1
	2	5.19	5.14	5.24	17.5	
4,4'-DDE	1	6.22	6.17	6.27	16.6	4.1
	2	5.37	5.32	5.42	17.3	
Dieldrin	1	6.37	6.32	6.42	17.7	1.7
	2	5.51	5.46	5.56	17.4	
Endrin	1	6.60	6.55	6.65	16.8	0
	2	5.78	5.73	5.83	16.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-03MSD

Date(s) Analyzed: 06/03/2025 06/03/2025

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	6.81	6.76	6.86	16.5	3
	2	6.07	6.02	6.12	17.0	
4,4'-DDD	1	6.73	6.68	6.78	17.7	4
	2	5.92	5.87	5.97	17.0	
4,4'-DDT	1	7.05	7.00	7.10	16.3	1.2
	2	6.18	6.13	6.23	16.1	
Endrin aldehyde	1	6.94	6.89	6.99	16.6	2.4
	2	6.25	6.20	6.30	17.0	
Endosulfan sulfate	1	7.18	7.13	7.23	16.8	0.6
	2	6.47	6.42	6.52	16.7	
Methoxychlor	1	7.52	7.47	7.57	16.2	3.1
	2	6.75	6.70	6.80	15.7	
Endrin ketone	1	7.66	7.61	7.71	17.4	2.3
	2	6.98	6.93	7.03	17.0	
alpha-BHC	1	4.02	3.97	4.07	17.6	2.2
	2	3.40	3.35	3.45	18.0	
gamma-BHC (Lindane)	1	4.36	4.31	4.41	17.5	1.7
	2	3.73	3.68	3.78	17.8	
Heptachlor	1	4.95	4.90	5.00	17.0	0.6
	2	4.08	4.03	4.13	17.1	
Aldrin	1	5.30	5.25	5.35	17.6	1.1
	2	4.37	4.32	4.42	17.8	
beta-BHC	1	4.54	4.49	4.59	16.8	2.9
	2	4.03	3.98	4.08	17.3	
delta-BHC	1	4.79	4.74	4.84	17.4	1.1
	2	4.26	4.21	4.31	17.6	
Heptachlor epoxide	1	5.72	5.67	5.77	17.7	0
	2	4.87	4.82	4.92	17.7	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-25MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2176

SAS No.: Q2176 SDG NO.: Q2176

Lab Sample ID: Q2176-03MSD

Date(s) Analyzed: 06/03/2025 06/03/2025

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	17.3	0.6
	2	5.24	5.19	5.29	17.2	
gamma-Chlordane	1	5.97	5.92	6.02	17.6	0.6
	2	5.12	5.07	5.17	17.5	
alpha-Chlordane	1	6.05	6.00	6.10	17.2	1.2
	2	5.19	5.14	5.24	17.4	
4,4'-DDE	1	6.22	6.17	6.27	16.9	0.6
	2	5.37	5.32	5.42	17.0	
Dieldrin	1	6.37	6.32	6.42	17.6	1.7
	2	5.51	5.46	5.56	17.3	
Endrin	1	6.60	6.55	6.65	16.7	1.2
	2	5.78	5.73	5.83	16.5	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-26

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2176

SAS No.: Q2176

SDG NO.: Q2176

Lab Sample ID: Q2176-04

Date(s) Analyzed: 06/03/2025 06/03/2025

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	2.90	46.8
	2	5.12	5.07	5.17	1.80	
alpha-Chlordane	1	6.06	6.01	6.11	5.10	75.7
	2	5.18	5.13	5.23	2.30	
4,4'-DDE	1	6.22	6.17	6.27	1.20	15.4
	2	5.37	5.32	5.42	1.40	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095885.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 14:14
 Operator : AR\AJ
 Sample : Q2176-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-46

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:35:56 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	2.885	59399270	71864801	18.825m	18.361
28) SA Decachlor...	9.099	8.059	37247424	68153203	15.807	15.580

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095885.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:14
Operator : AR\AJ
Sample : Q2176-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-46

Manual Integrations

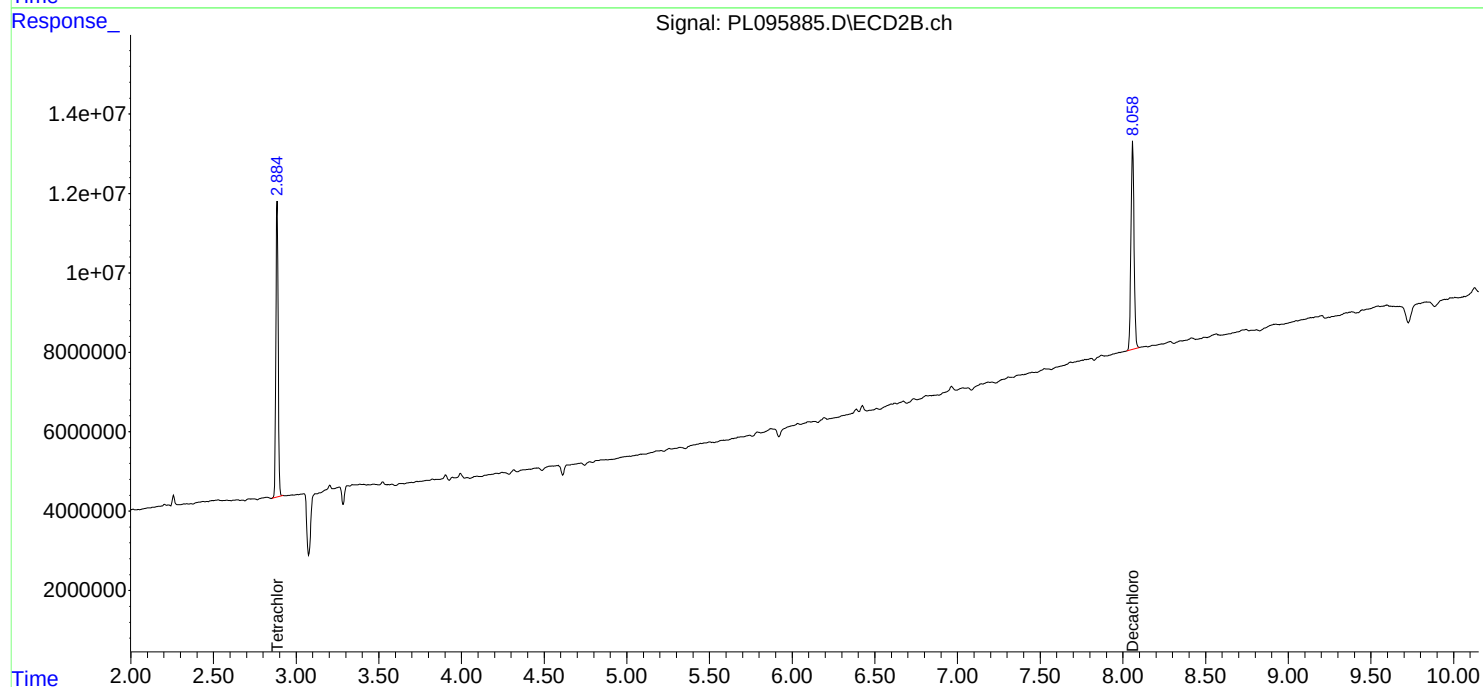
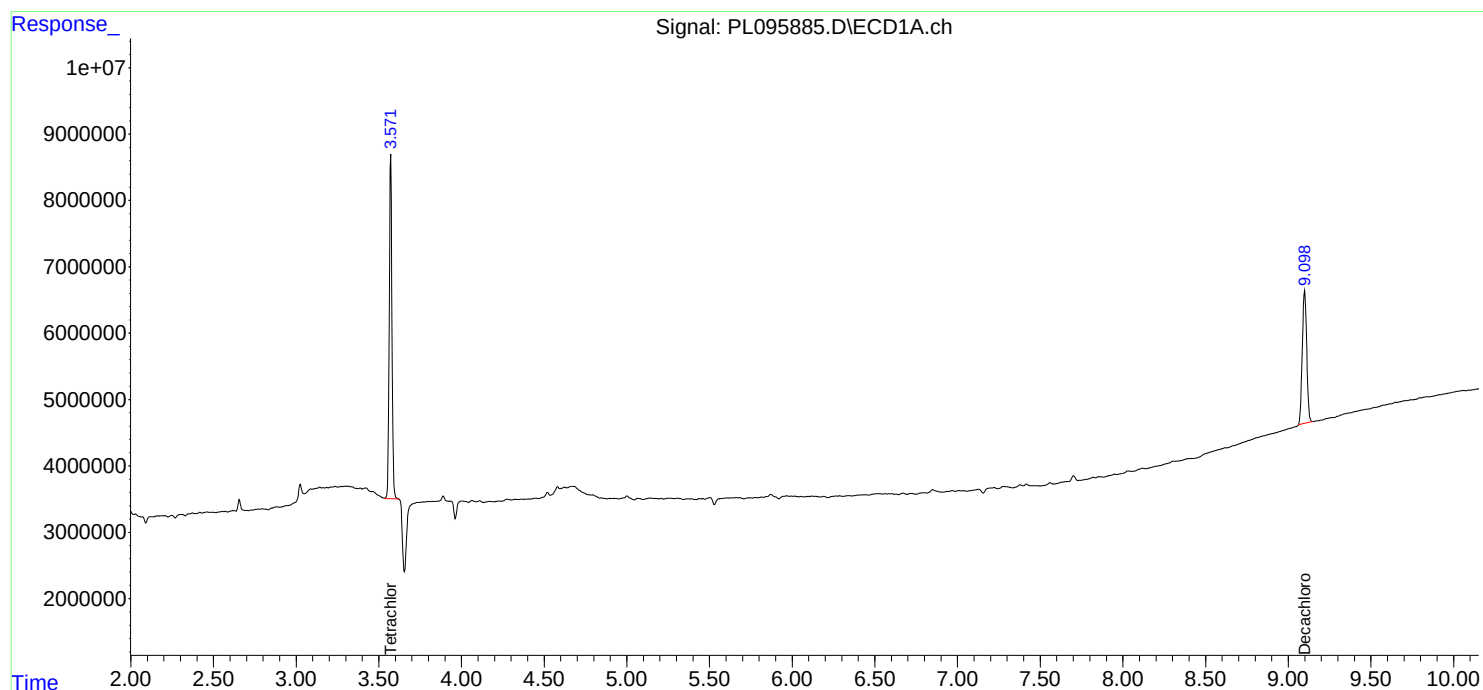
APPROVED

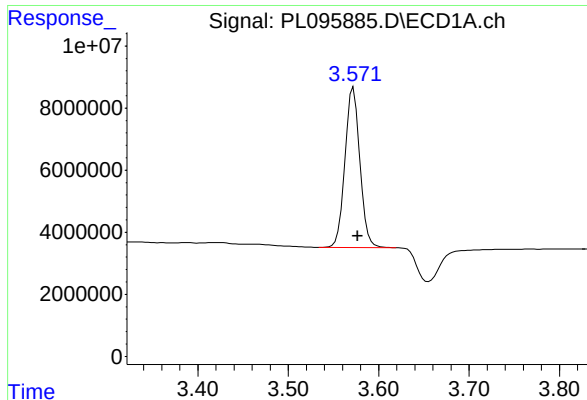
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:56 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





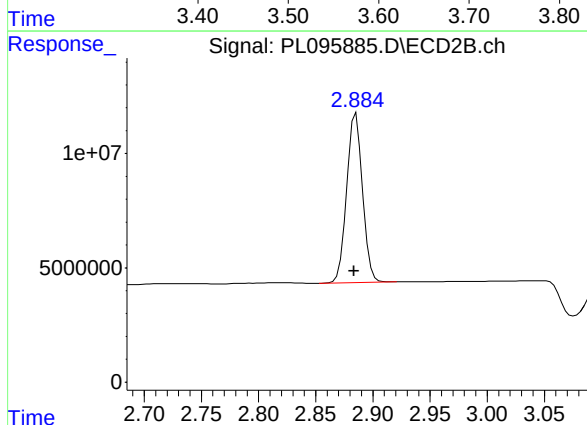
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 59399270
Conc: 18.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-46

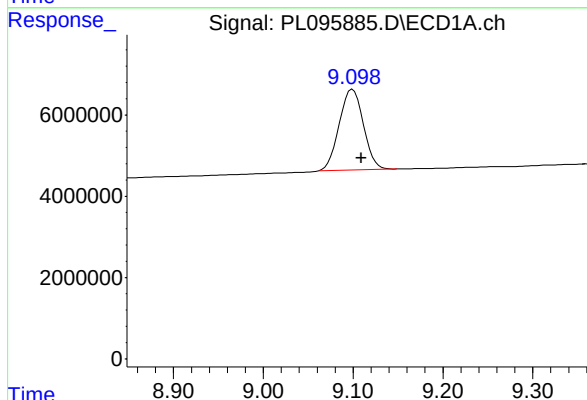
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



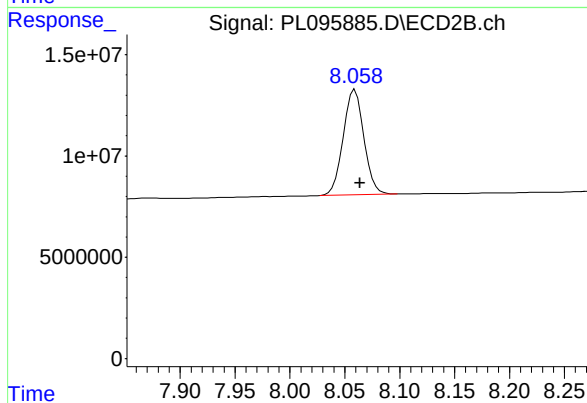
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 71864801
Conc: 18.36 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 37247424
Conc: 15.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 68153203
Conc: 15.58 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 14:28
 Operator : AR\AJ
 Sample : Q2176-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-56

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:03 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	60413681	72541037	19.147m	18.534
28) SA Decachlor...	9.099	8.059	30861034	55332499	13.097	12.649

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:28
Operator : AR\AJ
Sample : Q2176-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-56

Manual Integrations

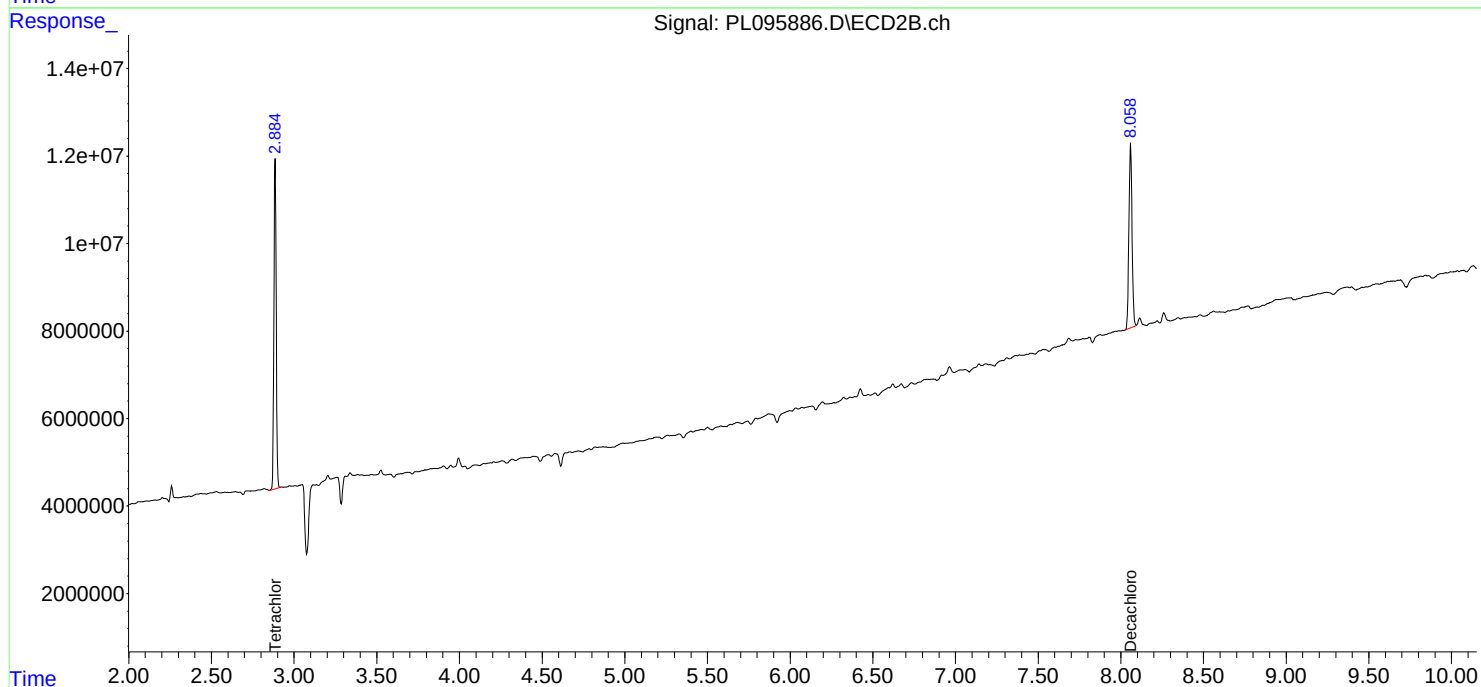
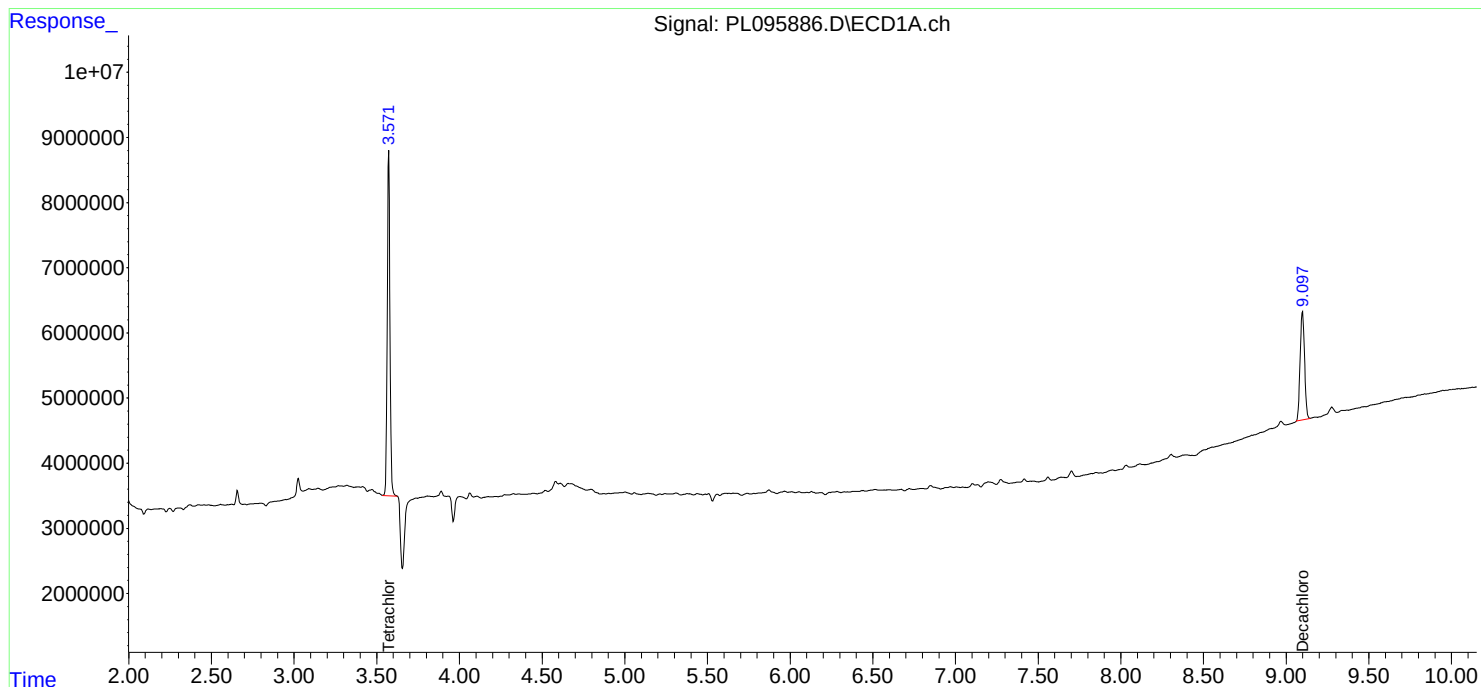
APPROVED

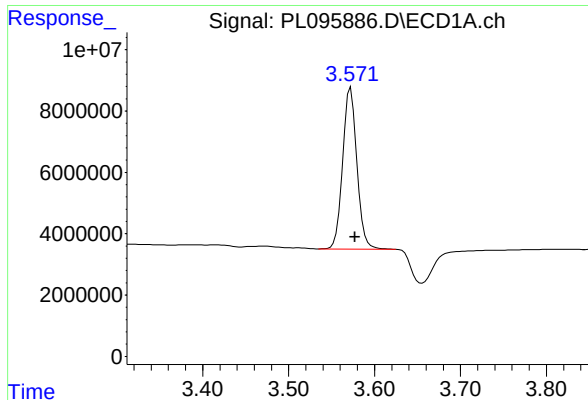
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:03 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





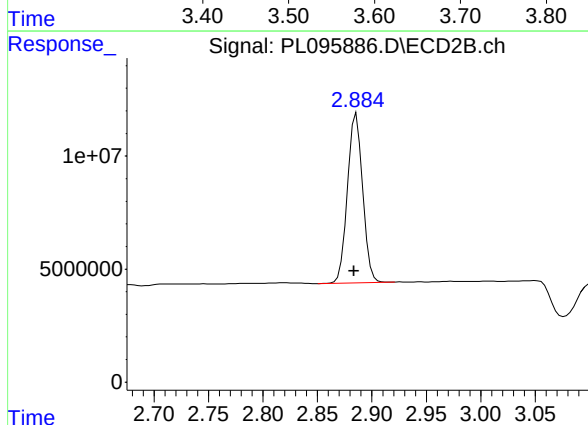
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 60413681
Conc: 19.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-56

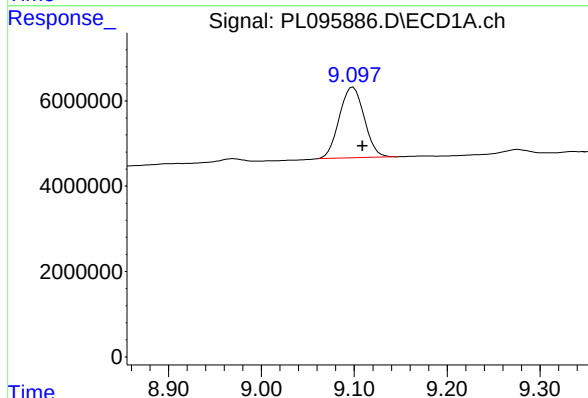
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



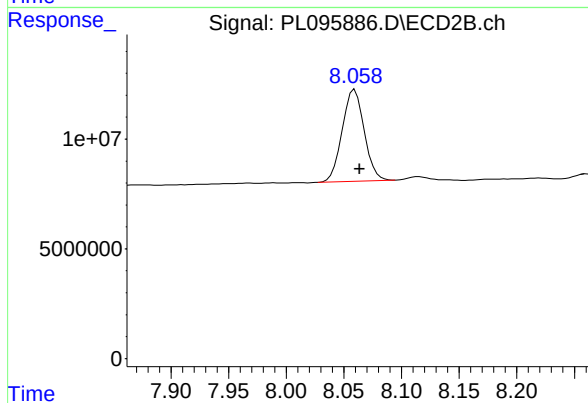
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 72541037
Conc: 18.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 30861034
Conc: 13.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 55332499
Conc: 12.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095887.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 14:42
 Operator : AR\AJ
 Sample : Q2176-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-25

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:10 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	63995769	77616934	20.282m	19.831
28) SA Decachlor...	9.099	8.060	34605078	64097333	14.686	14.653
Target Compounds						
13) MA Dieldrin	6.372	5.502	1821358	3571369	0.472m	0.674m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095887.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:42
Operator : AR\AJ
Sample : Q2176-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-25

Manual Integrations

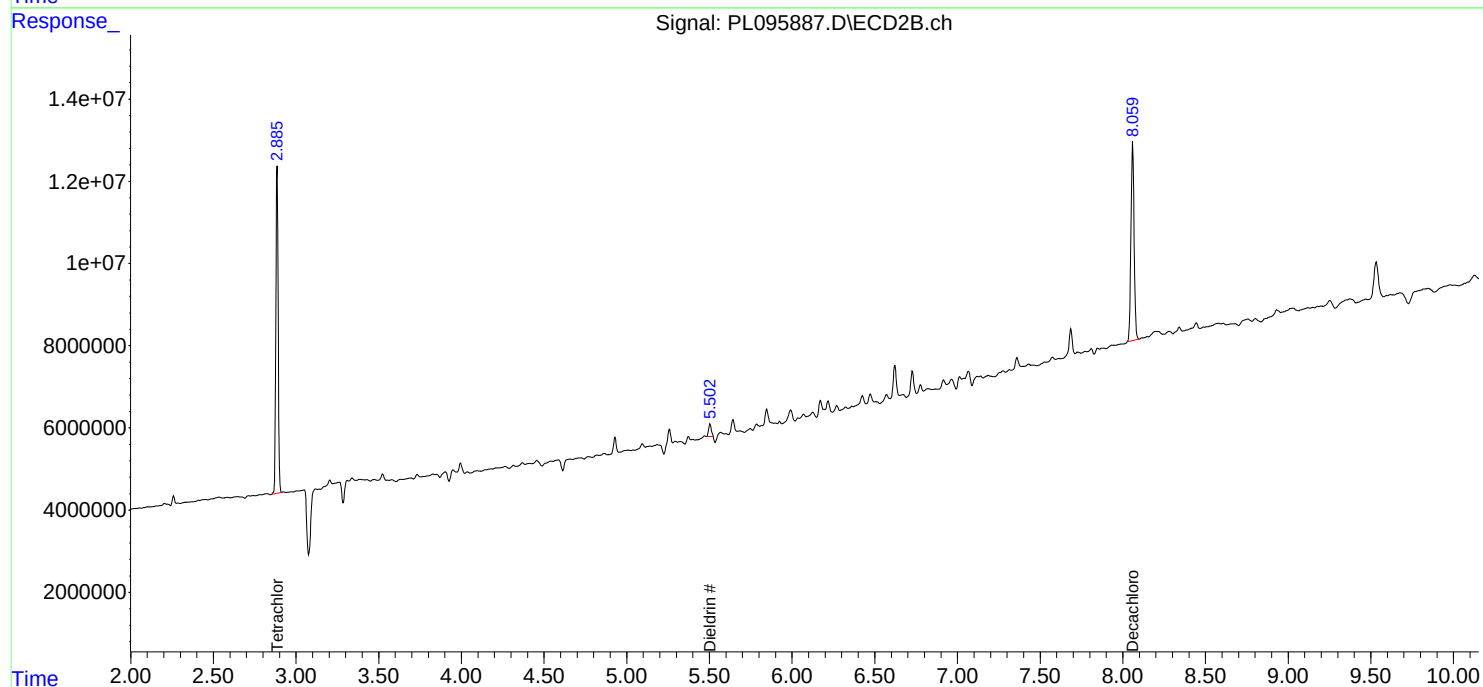
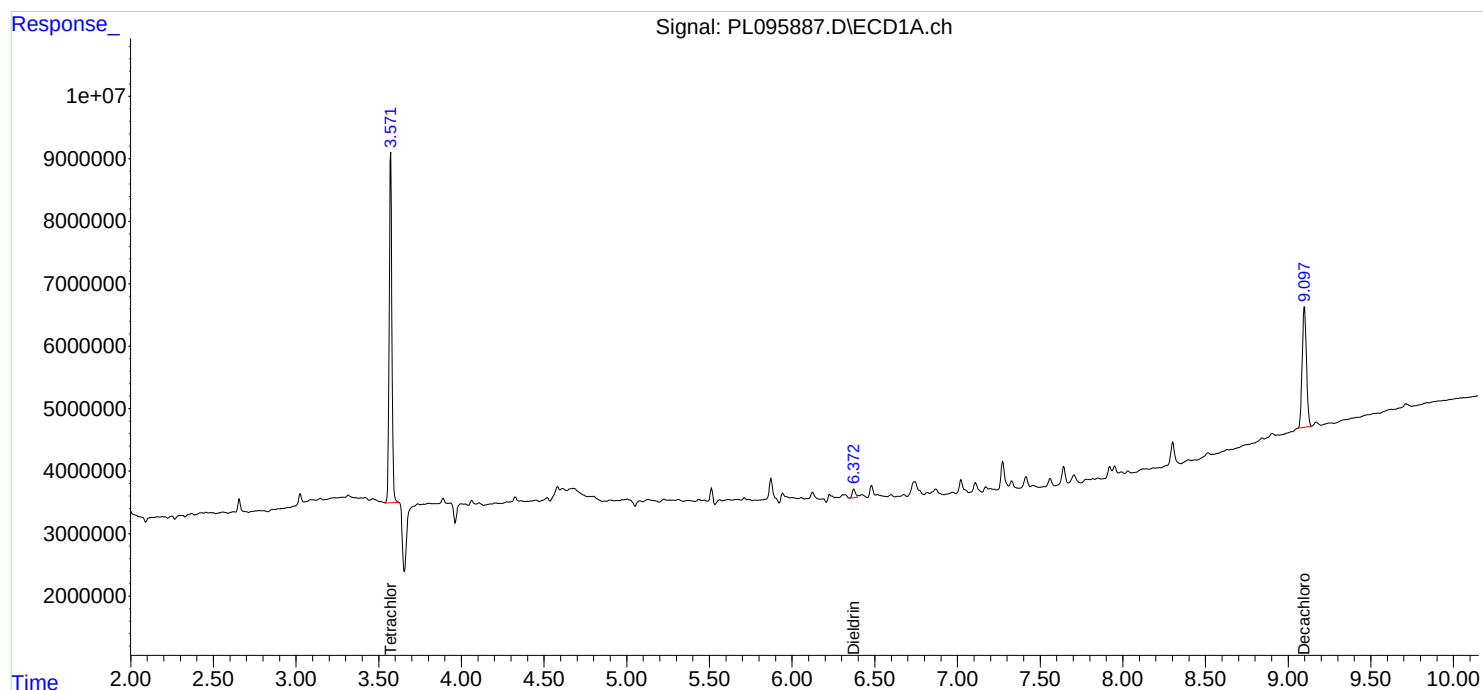
APPROVED

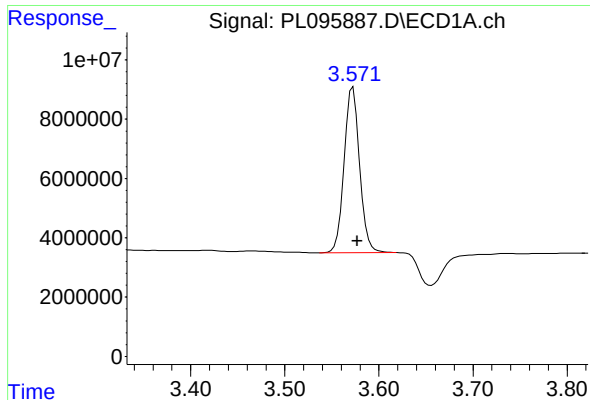
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:10 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





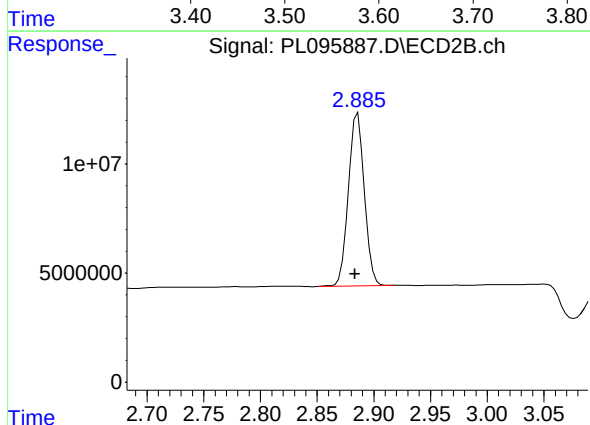
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 63995769
Conc: 20.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-25

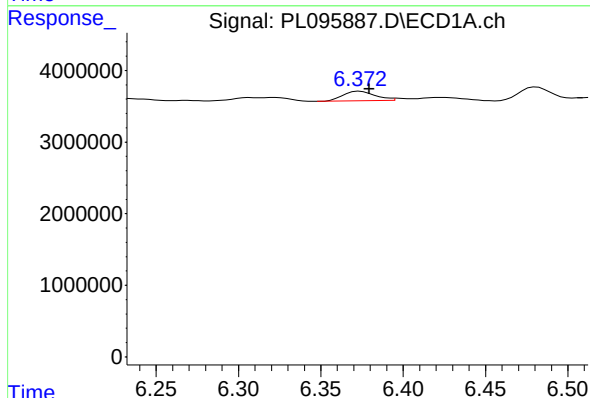
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



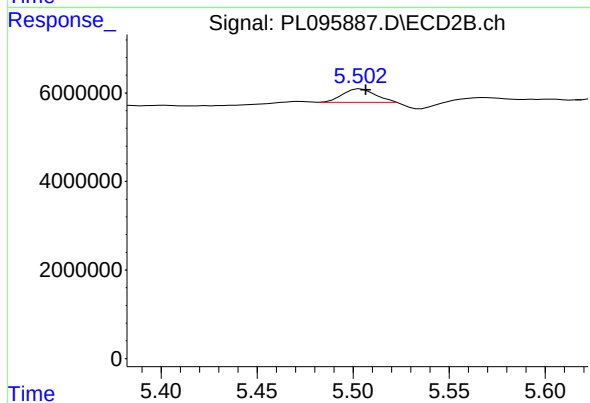
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 77616934
Conc: 19.83 ng/ml



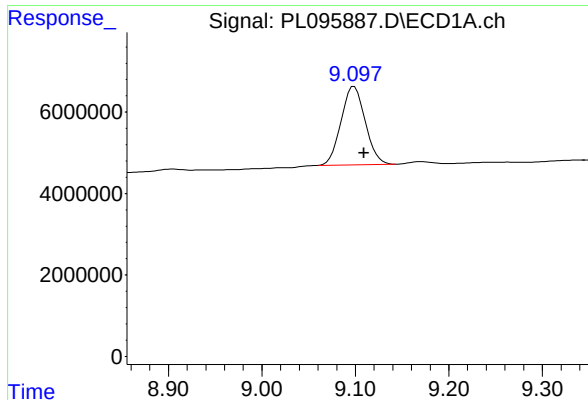
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 1821358
Conc: 0.47 ng/ml m



#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.004 min
Response: 3571369
Conc: 0.67 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 34605078
Conc: 14.69 ng/ml

Instrument :

ECD_L

ClientSampleId :

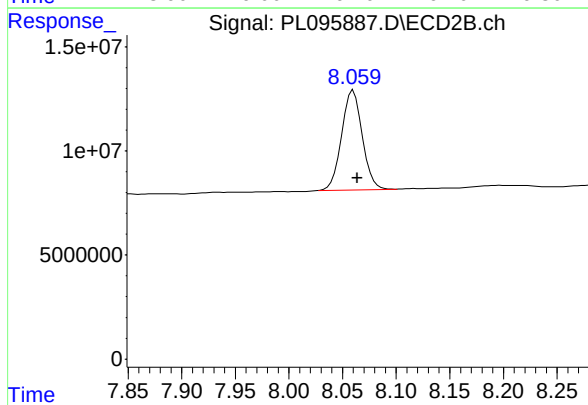
TP-25

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 64097333
Conc: 14.65 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 15:22
 Operator : AR\AJ
 Sample : Q2176-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-26

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:50 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	38810193	49555817	12.300	12.661
28) SA Decachlor...	9.100	8.059	26384854	36482705	11.197	8.340 #
Target Compounds						
10) B gamma-Chl...	5.970	5.119	28872373	24577358	7.418m	4.679m#
11) B alpha-Chl...	6.056	5.183	51228252	31197396	12.975	5.996m#
12) B 4,4'-DDE	6.224	5.370	11679423	19442414	3.184m	3.626m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:22
Operator : AR\AJ
Sample : Q2176-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-26

Manual Integrations

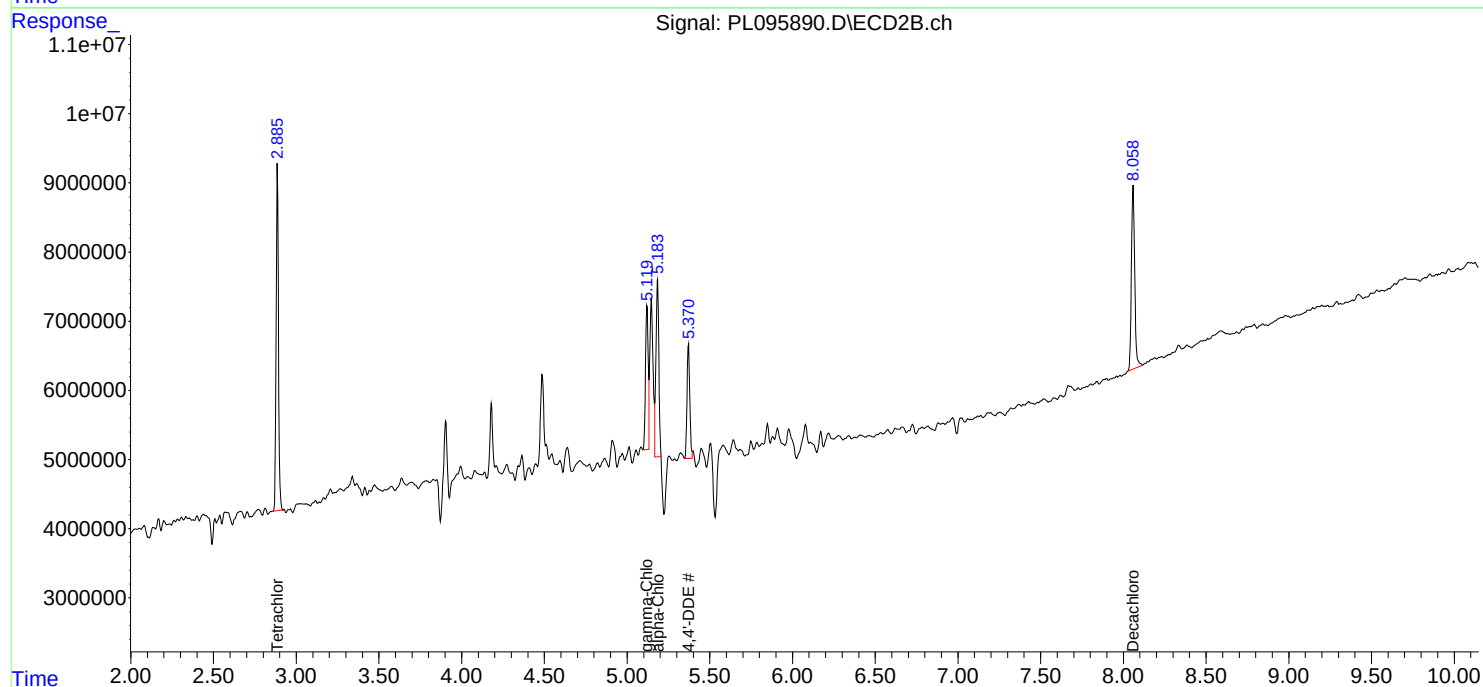
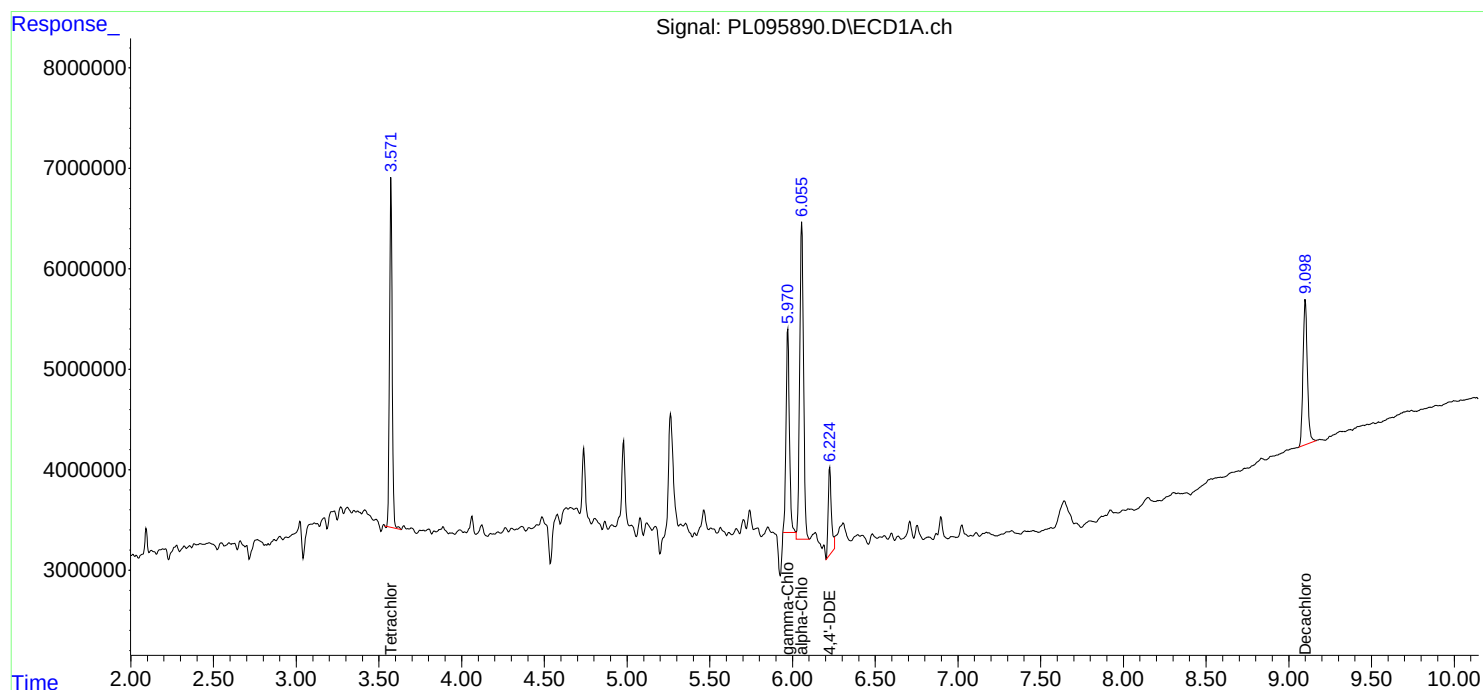
APPROVED

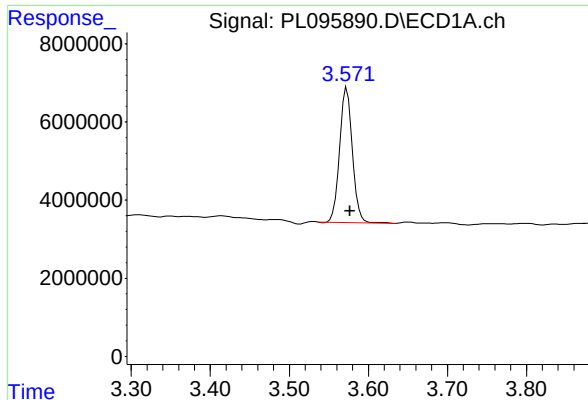
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:50 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





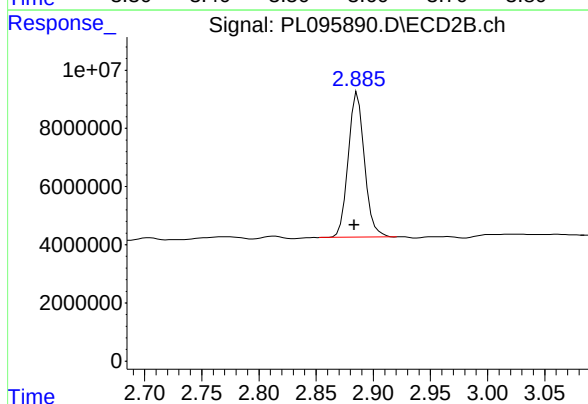
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 38810193
Conc: 12.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

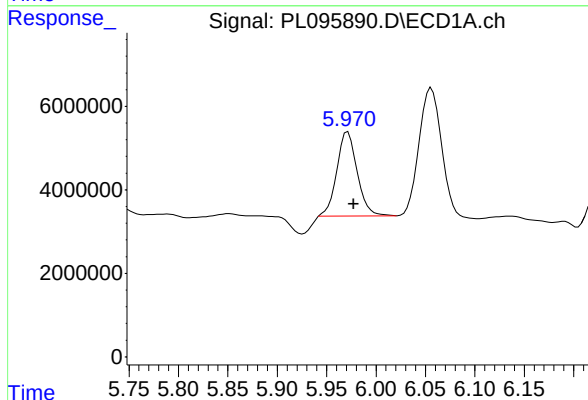
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



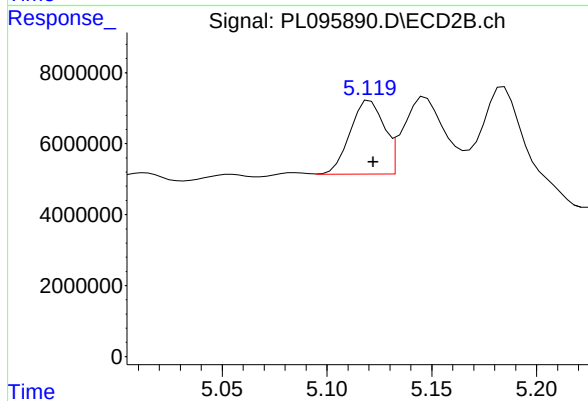
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 49555817
Conc: 12.66 ng/ml



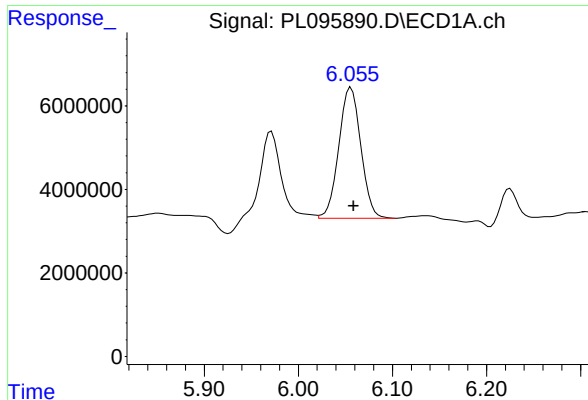
#10 gamma-Chlordane

R.T.: 5.970 min
Delta R.T.: -0.007 min
Response: 28872373
Conc: 7.42 ng/ml m



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 24577358
Conc: 4.68 ng/ml m



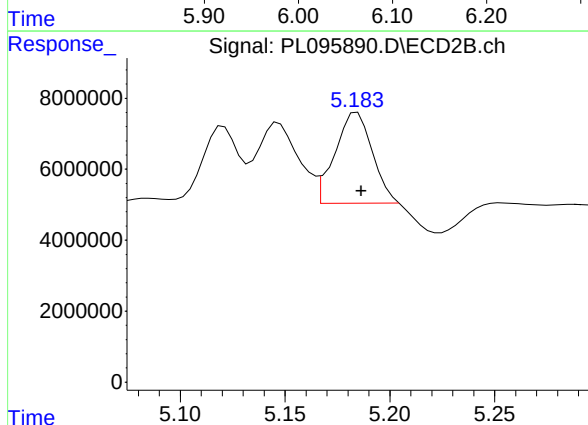
#11 alpha-Chlordane

R.T.: 6.056 min
Delta R.T.: -0.003 min
Response: 51228252
Conc: 12.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

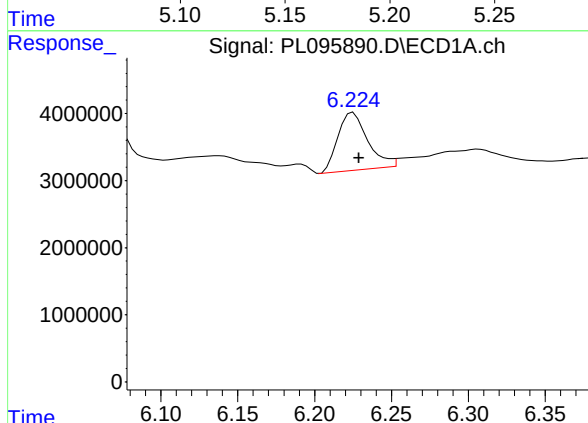
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



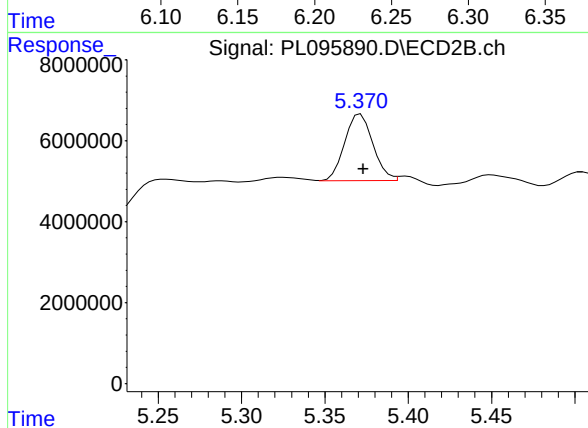
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.003 min
Response: 31197396
Conc: 6.00 ng/ml



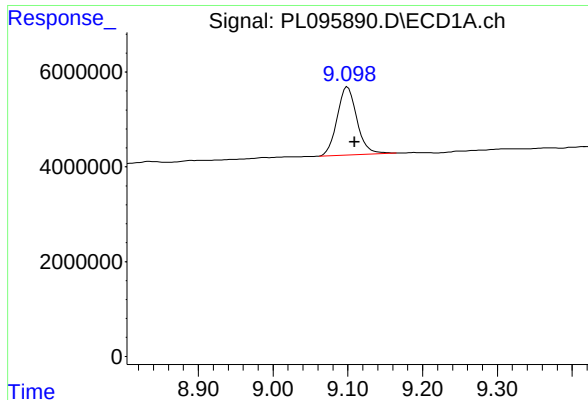
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 11679423
Conc: 3.18 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 19442414
Conc: 3.63 ng/ml



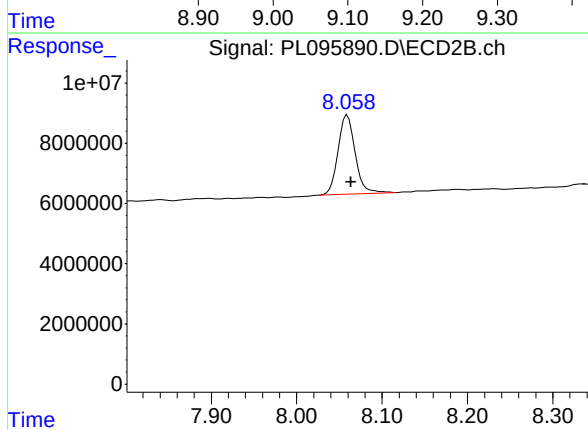
#28 Decachlorobiphenyl

R.T.: 9.100 min
Delta R.T.: -0.009 min
Response: 26384854
Conc: 11.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-26

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 36482705
Conc: 8.34 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095891.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 15:36
 Operator : AR\AJ
 Sample : Q2176-05
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-28

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:37:01 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	57063573	71309865	18.085m	18.219
28) SA Decachlor...	9.099	8.060	33392280	51917428	14.171	11.868

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095891.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:36
Operator : AR\AJ
Sample : Q2176-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-28

Manual Integrations

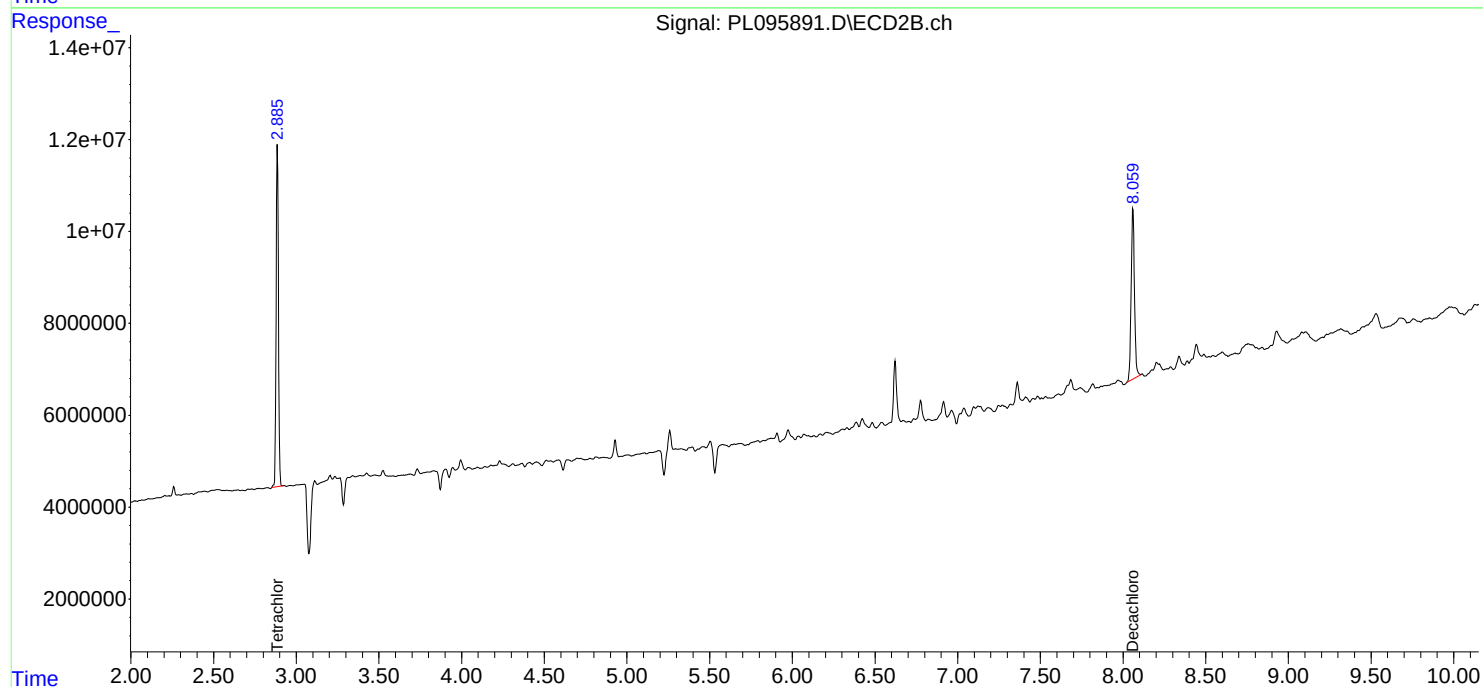
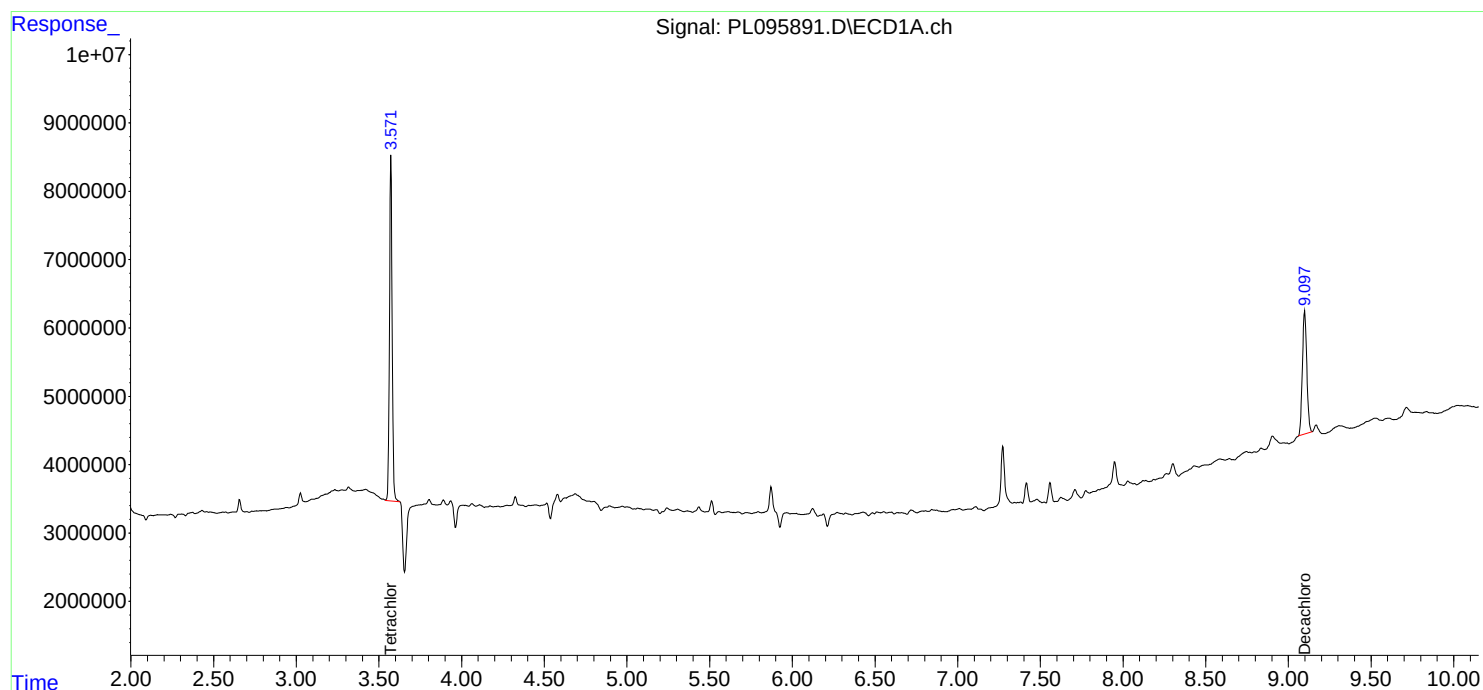
APPROVED

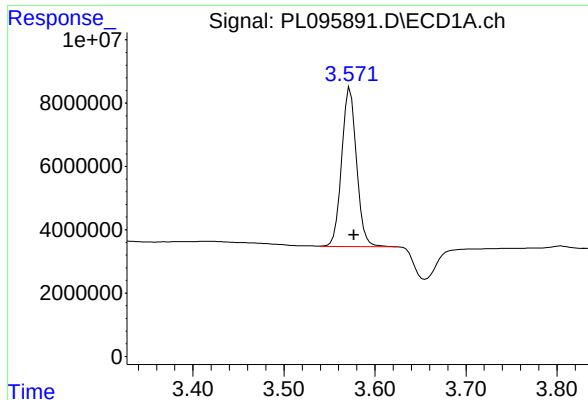
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:01 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.: 3.571 min
Delta R.T.: -0.006 min
Response: 57063573
Conc: 18.09 ng/ml

Instrument :

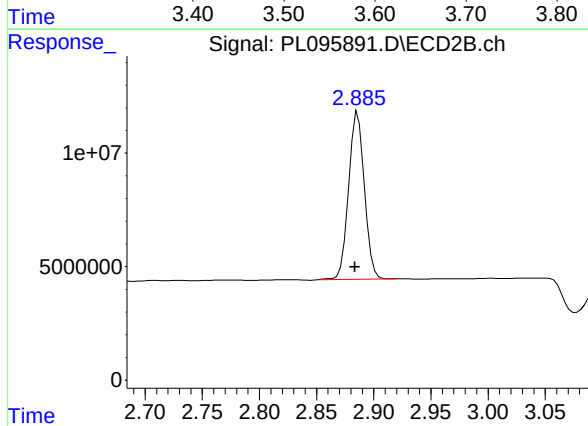
ECD_L

ClientSampleId :

TP-28

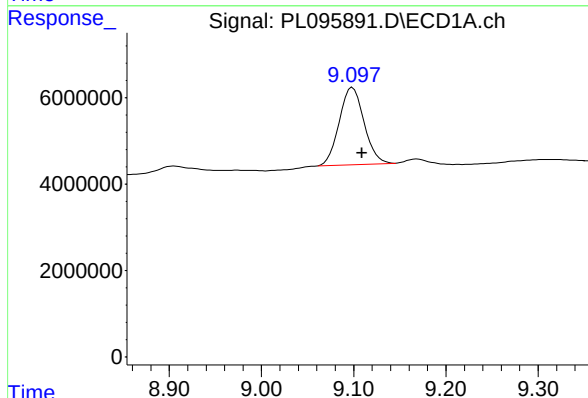
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



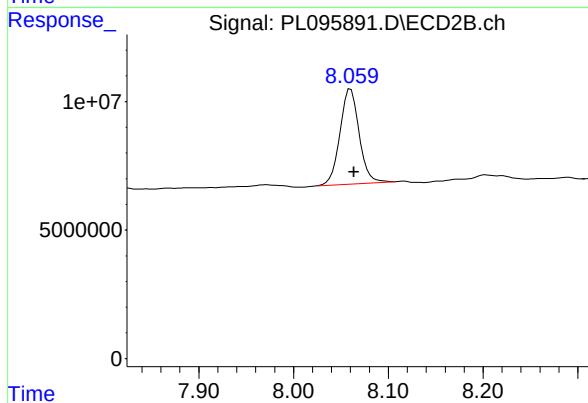
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.003 min
Response: 71309865
Conc: 18.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 33392280
Conc: 14.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 51917428
Conc: 11.87 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-27

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: Jun 04 01:37:09 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...	3.572	2.886	38645086	47358372	12.248	12.100
28) SA Decachlor...	9.097	8.059	20547157	36385273	8.720	8.318

Target Compounds

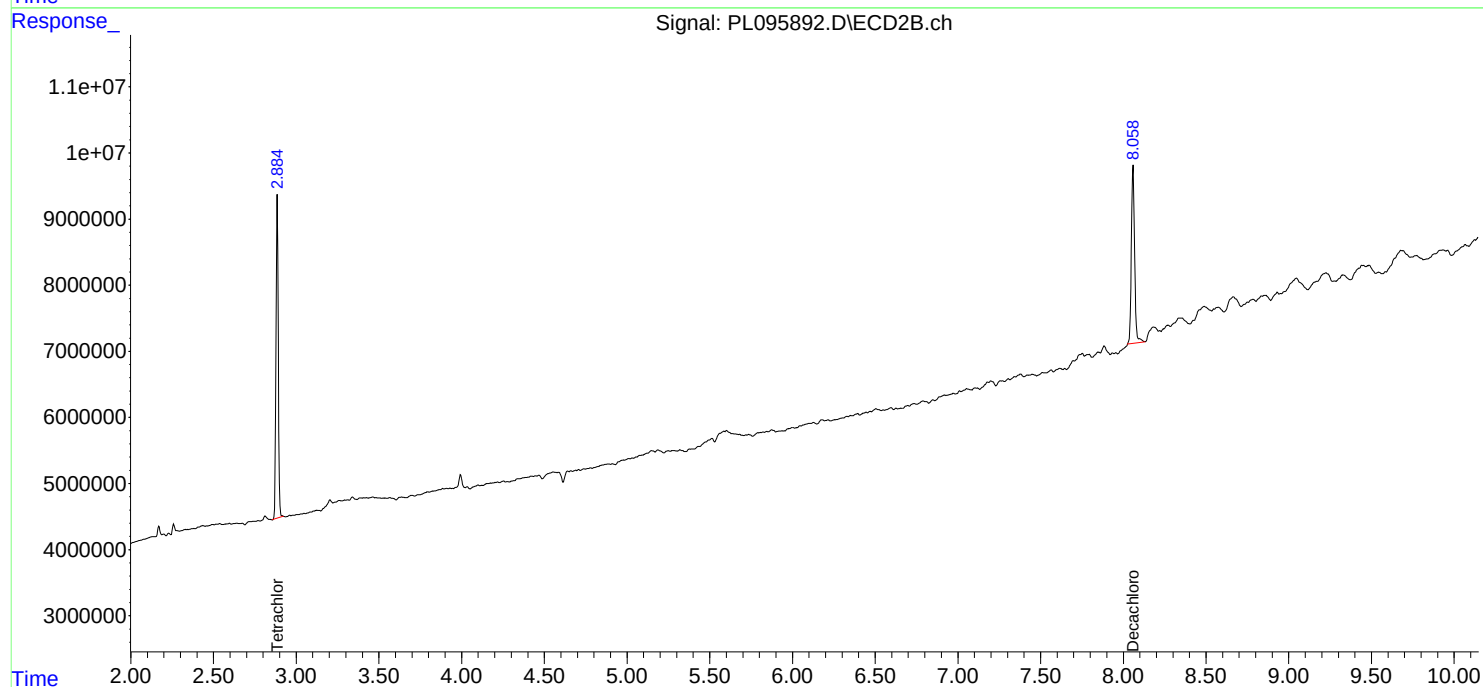
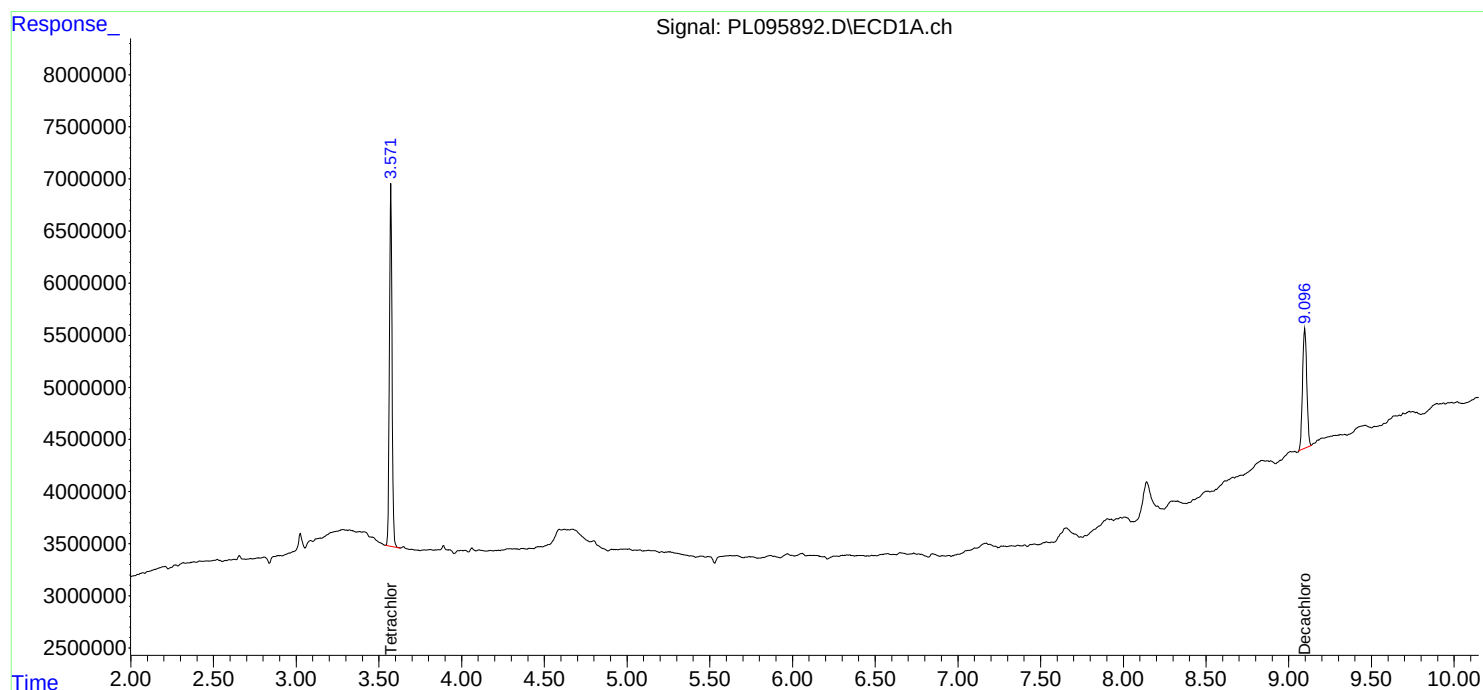
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

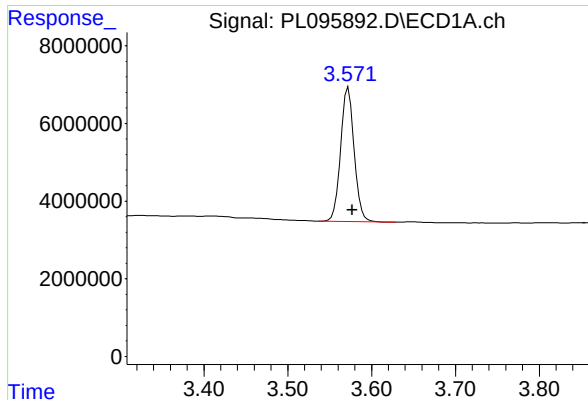
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095892.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:50
Operator : AR\AJ
Sample : Q2176-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-27

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:09 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

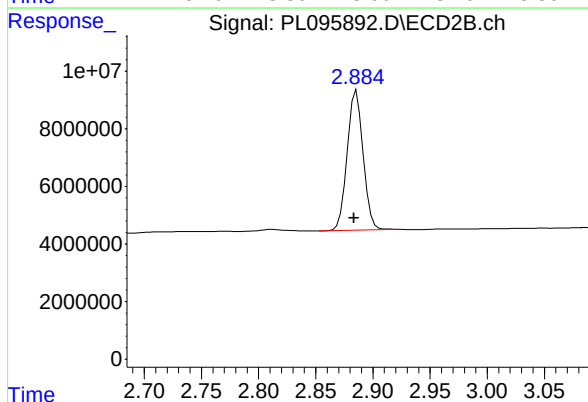




#1 Tetrachloro-m-xylene

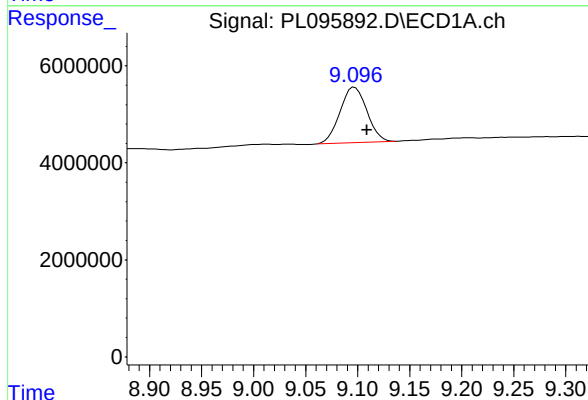
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 38645086
Conc: 12.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-27



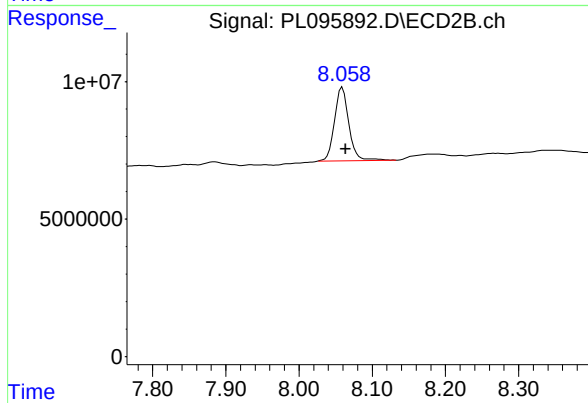
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 47358372
Conc: 12.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.012 min
Response: 20547157
Conc: 8.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 36385273
Conc: 8.32 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095893.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 16:03
 Operator : AR\AJ
 Sample : Q2176-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-31

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/04/2025
 Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:37:16 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	52123361	64815267	16.519m	16.560
28) SA Decachlor...	9.097	8.059	20712260	35974083	8.790	8.224

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095893.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:03
Operator : AR\AJ
Sample : Q2176-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-31

Manual Integrations

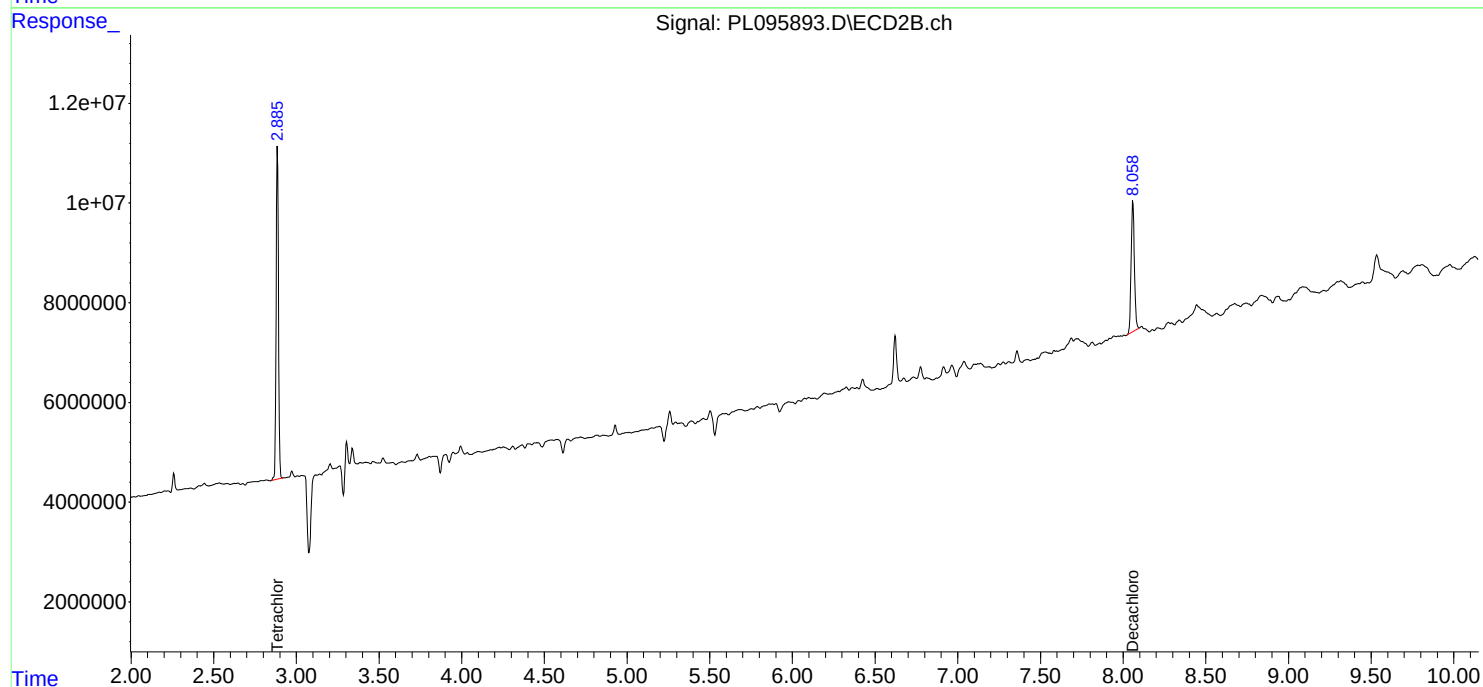
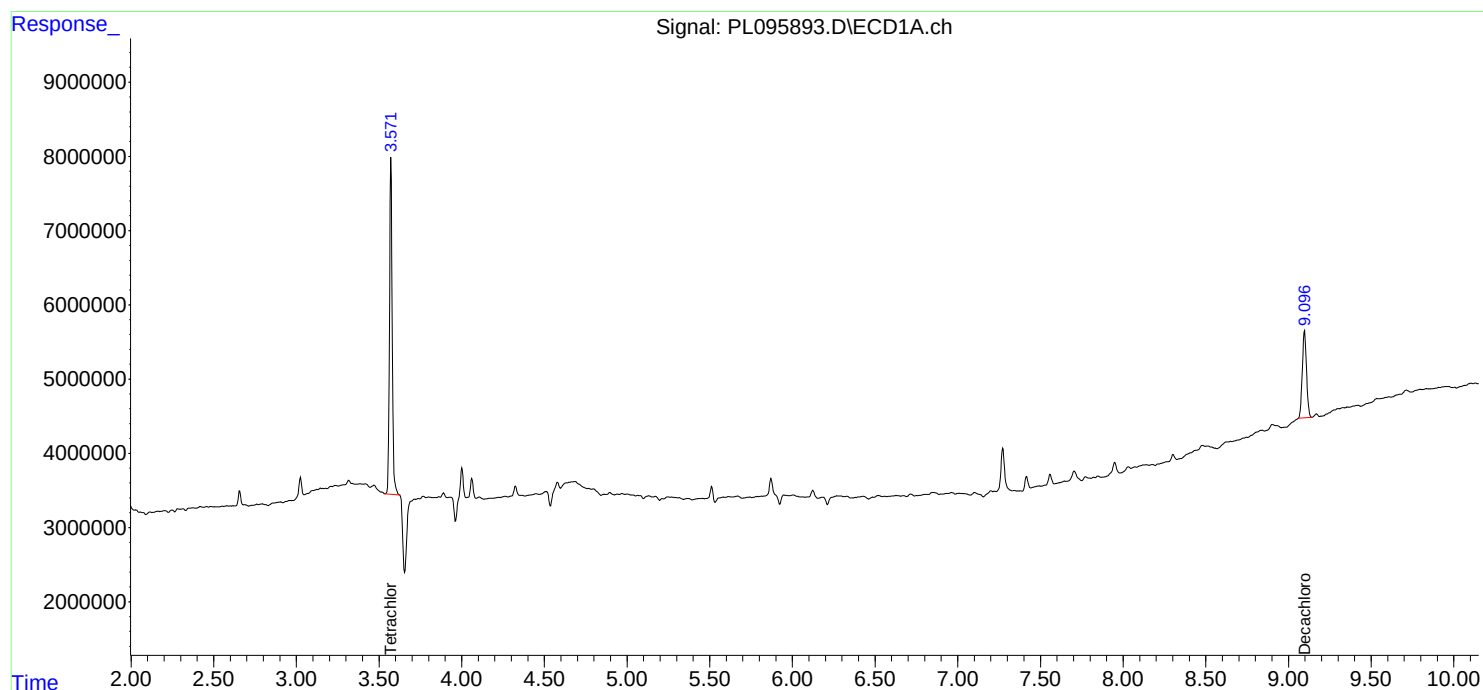
APPROVED

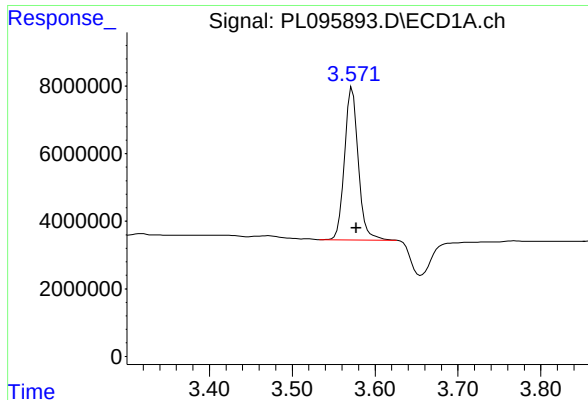
Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:37:16 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





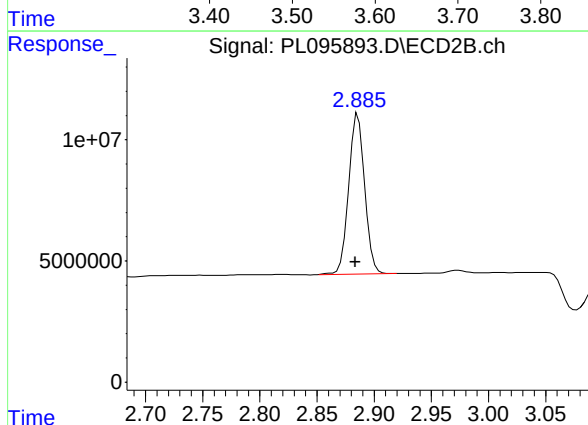
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 52123361
Conc: 16.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-31

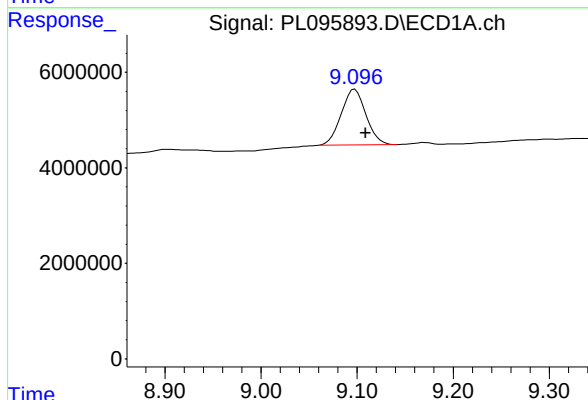
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/04/2025
Supervised By :mohammad ahmed 06/05/2025



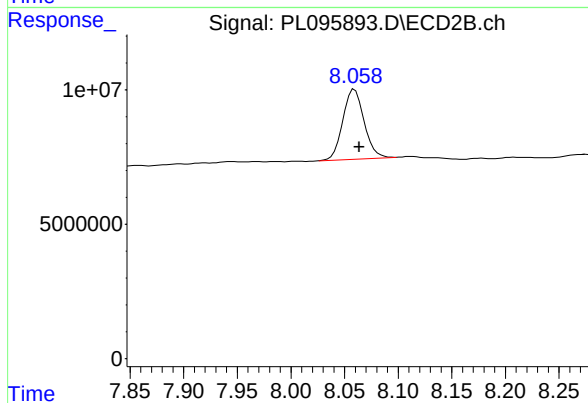
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 64815267
Conc: 16.56 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.097 min
Delta R.T.: -0.011 min
Response: 20712260
Conc: 8.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 35974083
Conc: 8.22 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 16:17
 Operator : AR\AJ
 Sample : Q2176-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-65

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: Jun 04 05:31:55 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	43831179	53340619	13.891	13.628
28) SA Decachlor...	9.099	8.059	22837440	34848764	9.692	7.966

Target Compounds

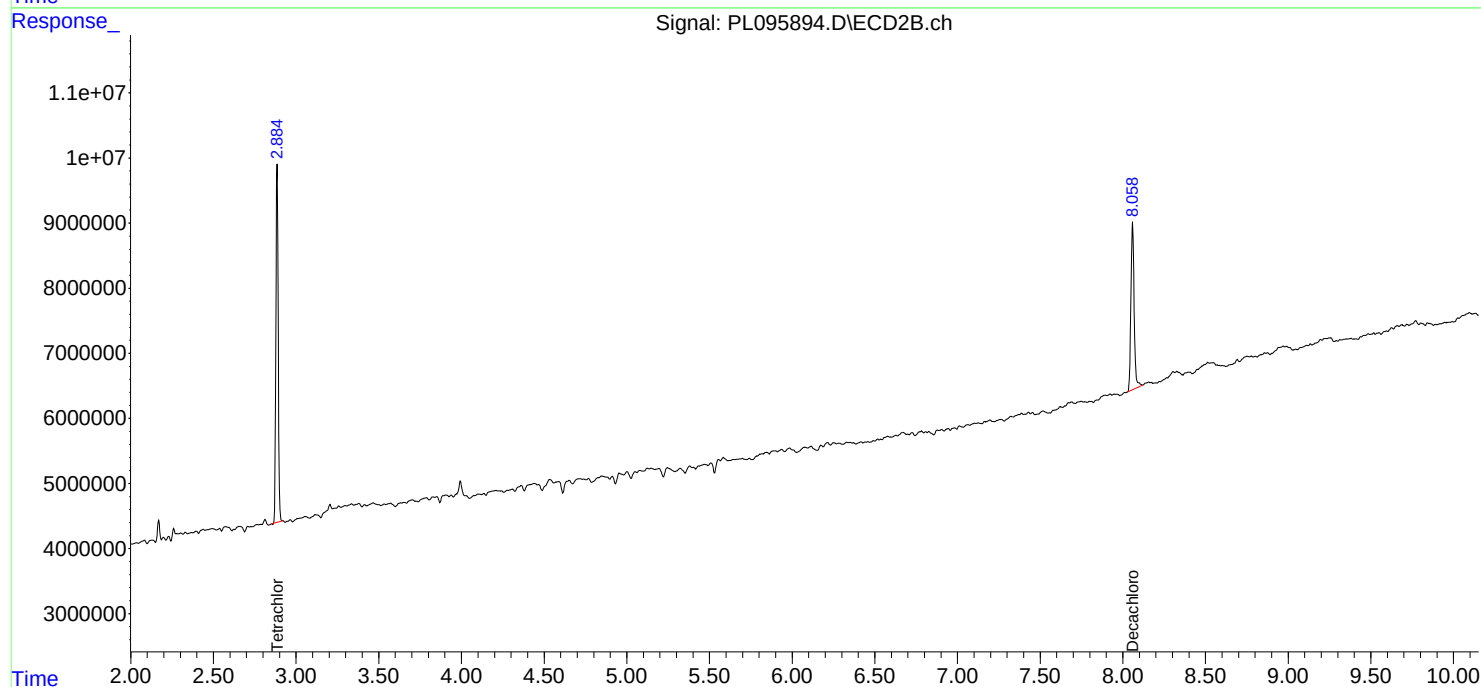
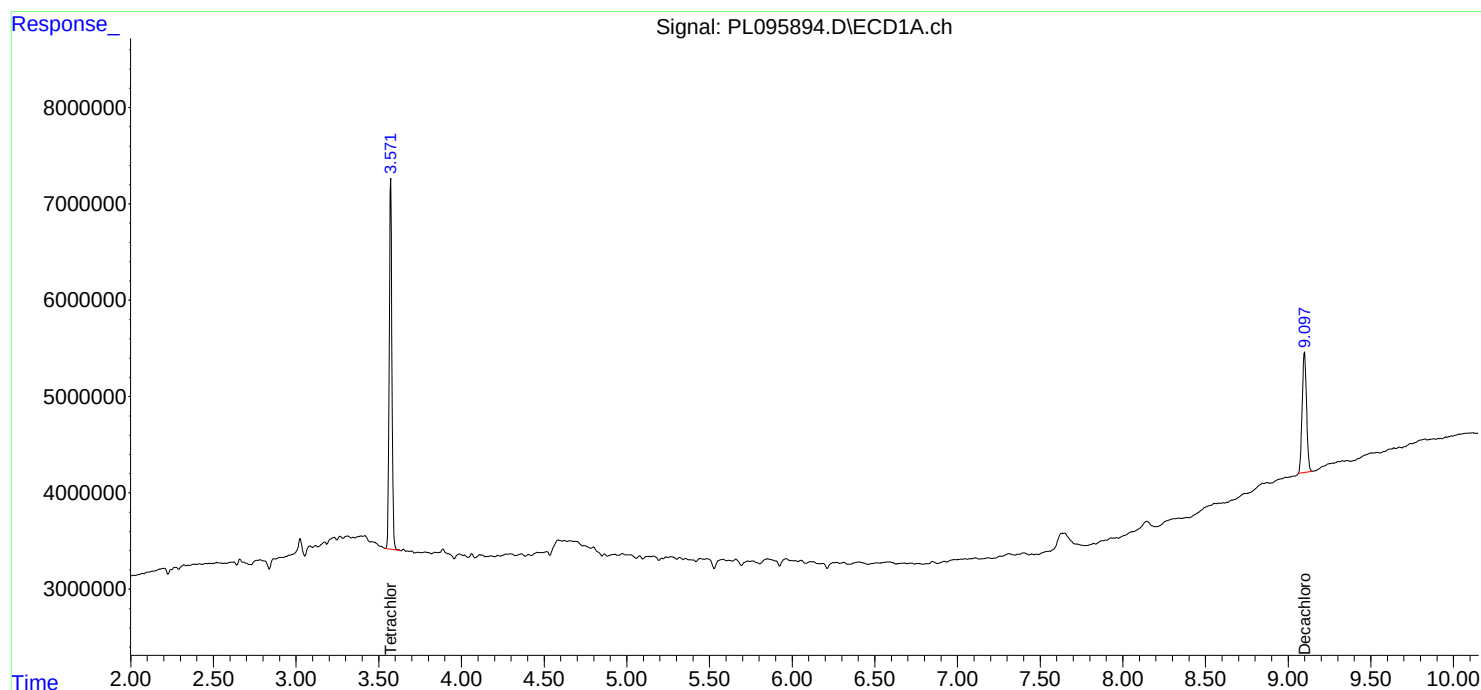
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

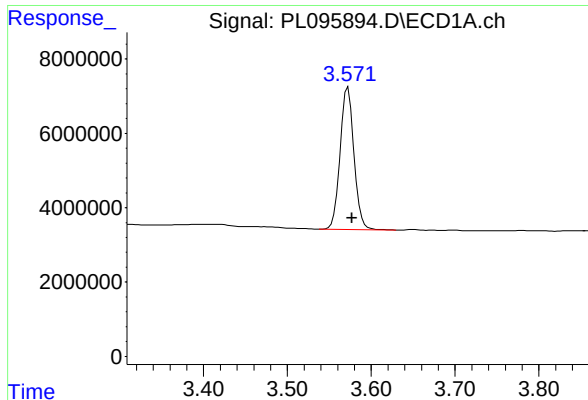
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 16:17
Operator : AR\AJ
Sample : Q2176-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TP-65

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 05:31:55 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

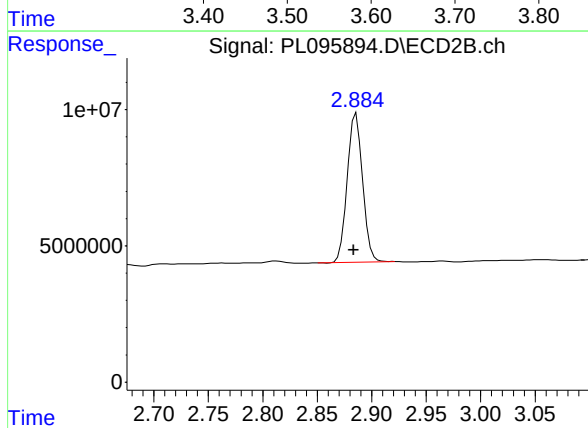




#1 Tetrachloro-m-xylene

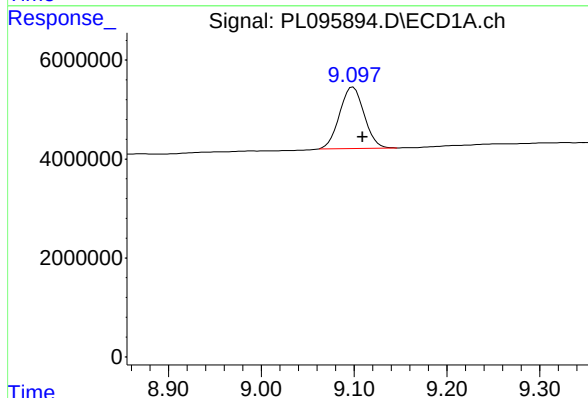
R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 43831179
Conc: 13.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-65



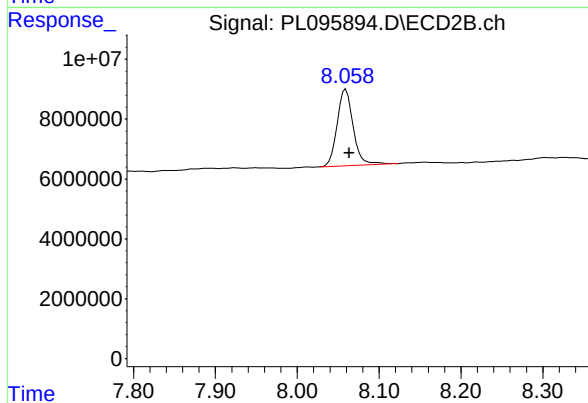
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 53340619
Conc: 13.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 22837440
Conc: 9.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 34848764
Conc: 7.97 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095881.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 12:49
 Operator : AR\AJ
 Sample : PB168253BL
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168253BL

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: Jun 04 01:35:18 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...	3.577	2.880	65666280	75574283	20.812	19.309
28) SA Decachlor...	9.107	8.058	48912996	83892291	20.758	19.178

Target Compounds

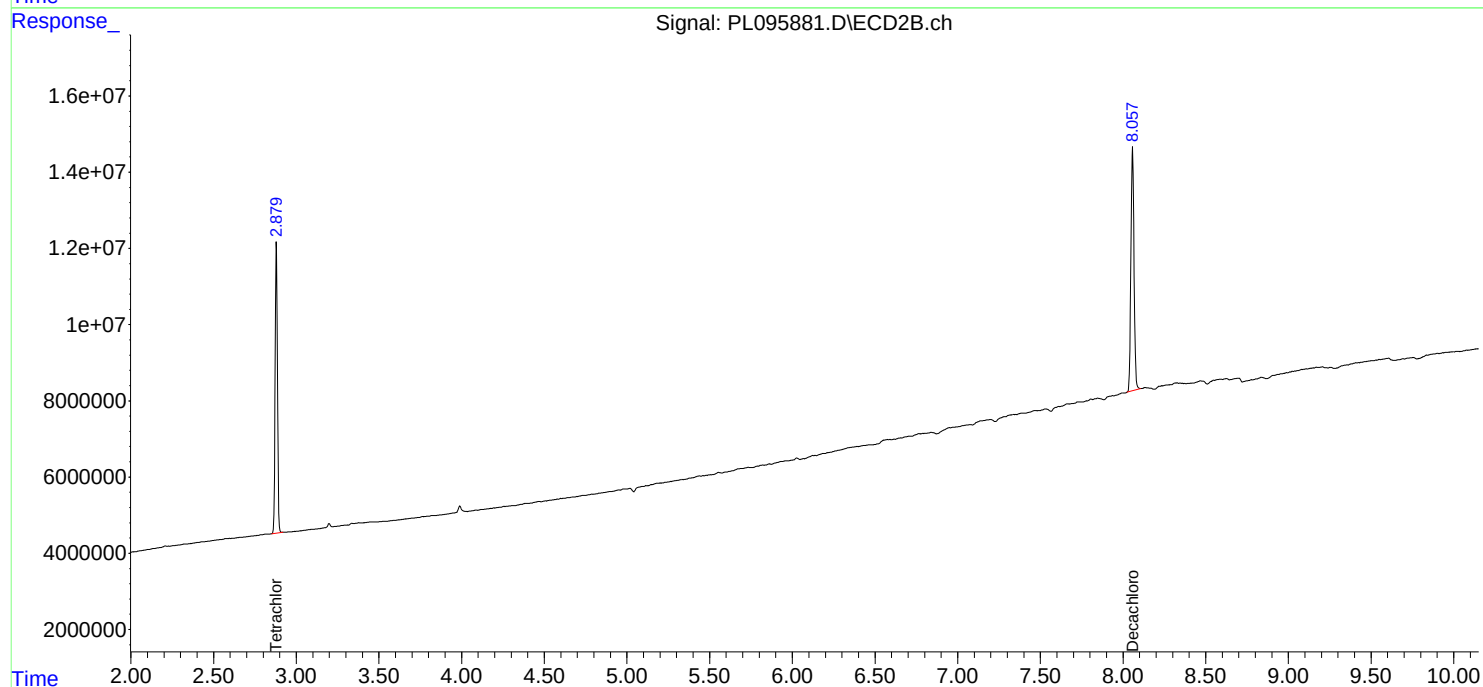
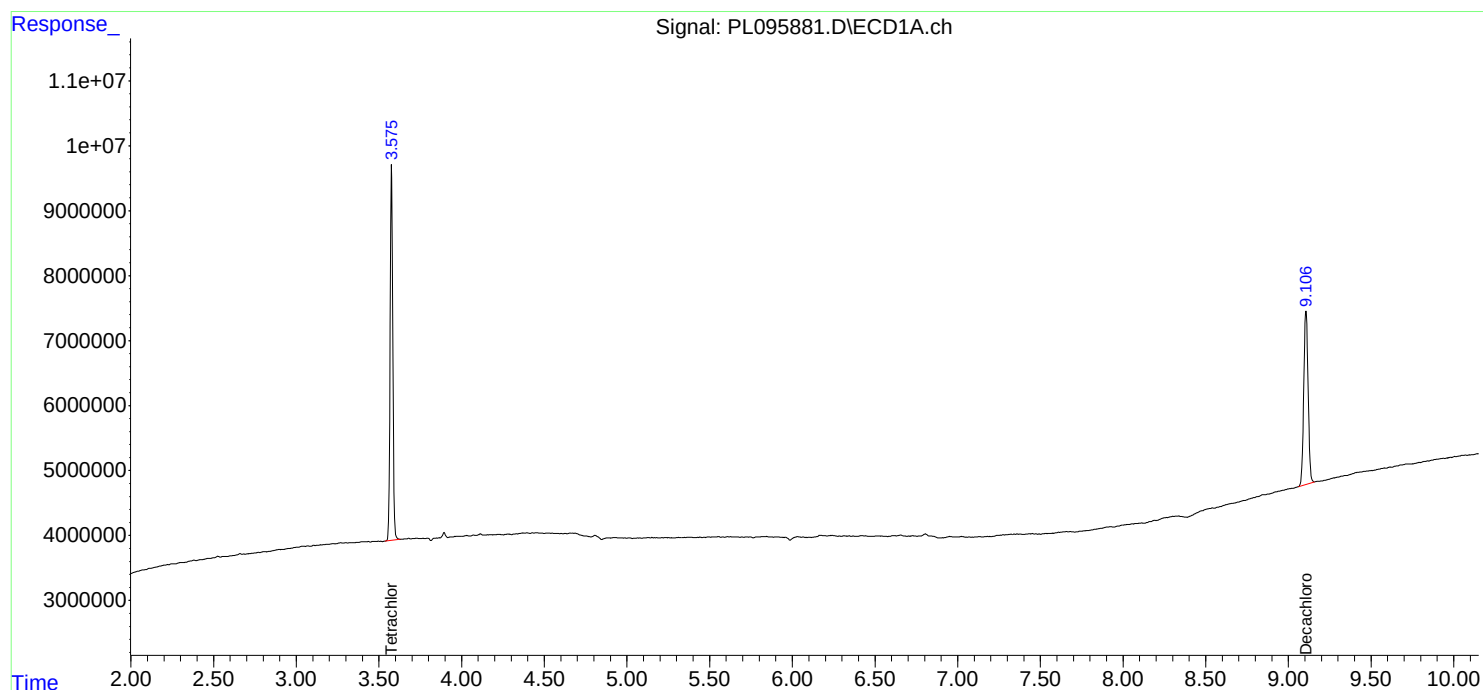
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

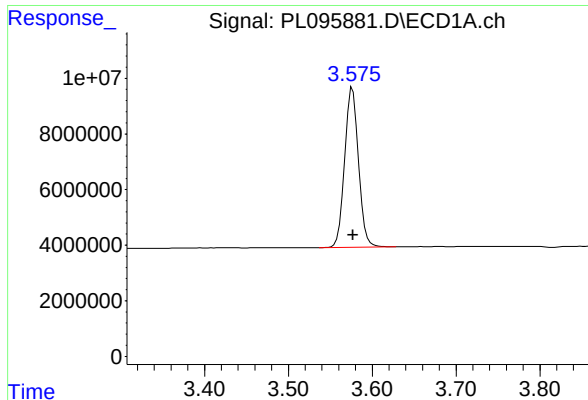
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095881.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 12:49
Operator : AR\AJ
Sample : PB168253BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:18 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

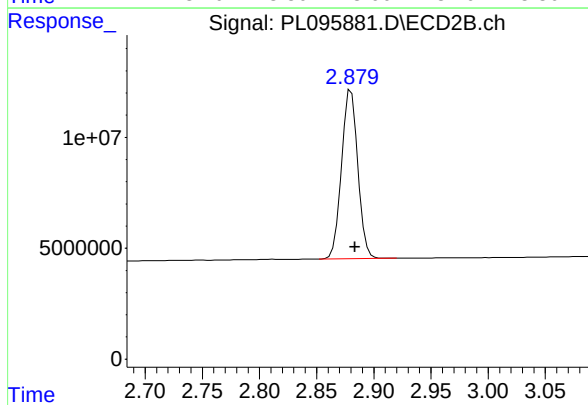




#1 Tetrachloro-m-xylene

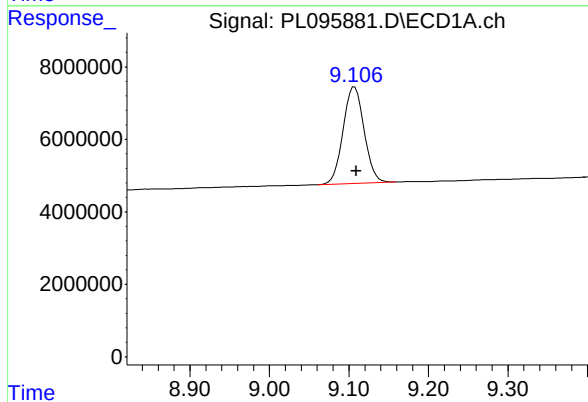
R.T.: 3.577 min
Delta R.T.: 0.000 min
Response: 65666280
Conc: 20.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168253BL



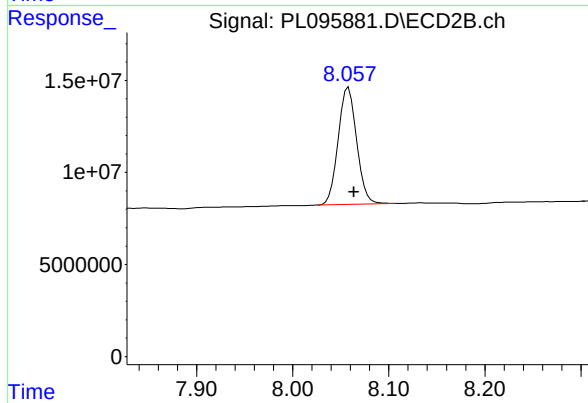
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 75574283
Conc: 19.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.107 min
Delta R.T.: -0.002 min
Response: 48912996
Conc: 20.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.006 min
Response: 83892291
Conc: 19.18 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
 Data File : PL095882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 13:03
 Operator : AR\AJ
 Sample : PB168253BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168253BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:35:26 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	2.884	63766539	75258967	20.210	19.228
28)	SA Decachlor...	9.099	8.059	46966644	85473932	19.932	19.539
Target Compounds							
2)	A alpha-BHC	4.024	3.394	244.9E6	298.2E6	50.509	50.912
3)	MA gamma-BHC...	4.355	3.727	225.3E6	283.7E6	50.391	50.645
4)	MA Heptachlor	4.953	4.080	186.0E6	278.9E6	49.146	49.728
5)	MB Aldrin	5.296	4.365	218.7E6	271.6E6	51.124	51.170
6)	B beta-BHC	4.543	4.023	97203413	121.9E6	49.308	49.193
7)	B delta-BHC	4.791	4.258	220.4E6	284.3E6	49.701	50.339
8)	B Heptachlo...	5.716	4.866	193.8E6	250.3E6	50.769	50.691
9)	A Endosulfan I	6.100	5.239	184.4E6	240.7E6	50.304	50.521
10)	B gamma-Chl...	5.970	5.119	197.0E6	266.6E6	50.625	50.757
11)	B alpha-Chl...	6.052	5.183	198.2E6	261.3E6	50.204	50.225
12)	B 4,4'-DDE	6.222	5.369	182.9E6	262.6E6	49.856	48.969
13)	MA Dieldrin	6.373	5.503	196.6E6	263.7E6	50.935	49.759
14)	MA Endrin	6.600	5.778	150.9E6	228.6E6	46.771	46.885
15)	B Endosulfa...	6.813	6.069	162.5E6	235.4E6	47.148	49.533
16)	A 4,4'-DDD	6.732	5.922	147.2E6	224.9E6	50.218	51.292
17)	MA 4,4'-DDT	7.047	6.175	126.6E6	216.4E6	46.801	45.238
18)	B Endrin al...	6.942	6.247	120.5E6	172.1E6	49.862	49.832
19)	B Endosulfa...	7.176	6.470	146.7E6	222.1E6	49.114	49.414
20)	A Methoxychlor	7.520	6.745	59738247	113.3E6	46.842	43.306
21)	B Endrin ke...	7.657	6.975	160.1E6	262.6E6	50.542	50.747
22)	Mirex	8.138	7.169	114.6E6	199.1E6	49.513	49.033

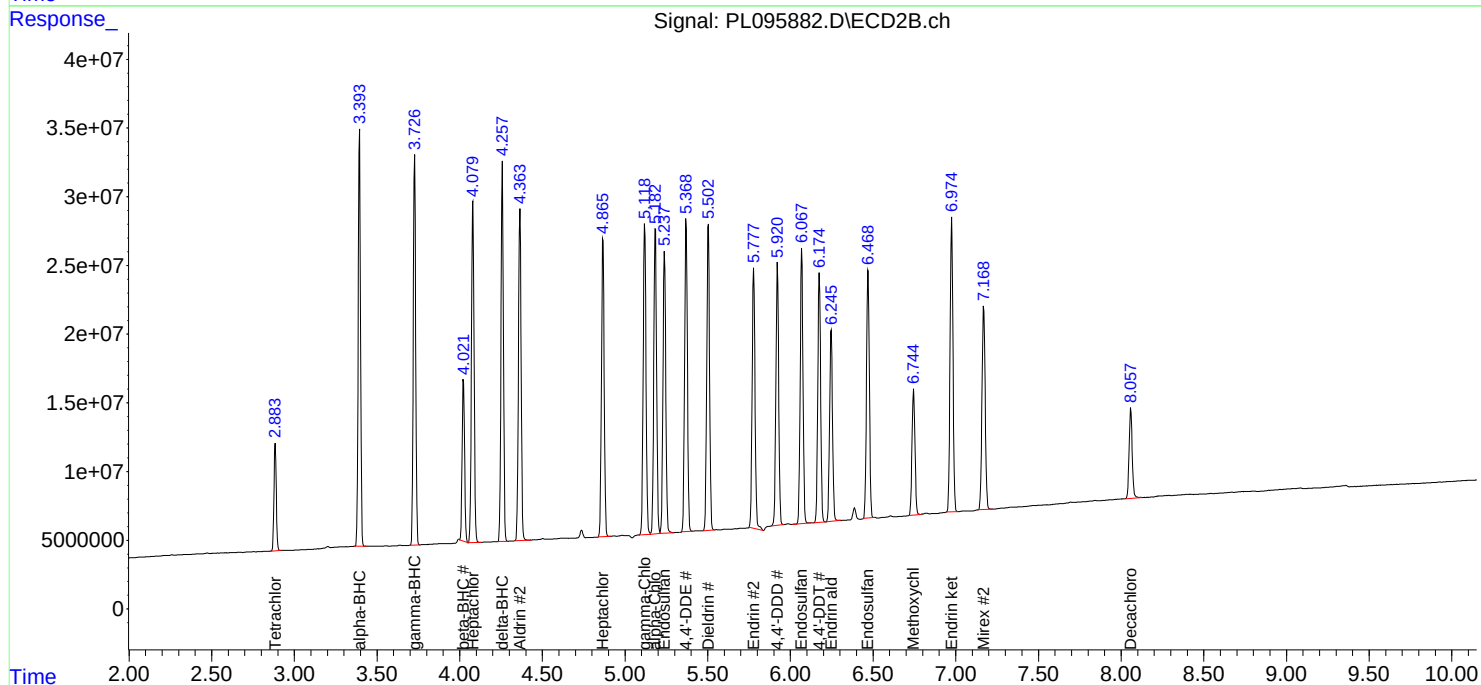
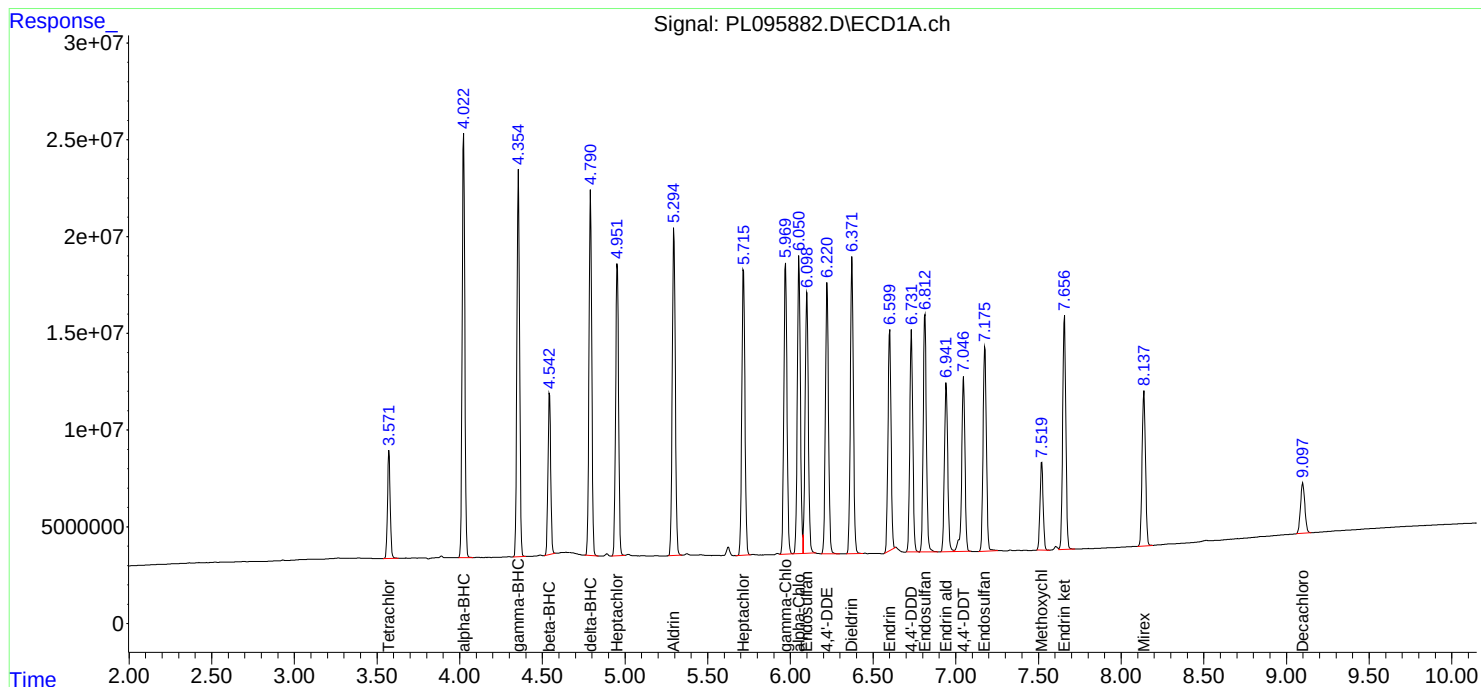
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095882.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 13:03
Operator : AR\AJ
Sample : PB168253BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB168253BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:35:26 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\PL060325\
 Data File : PL095888.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 14:55
 Operator : AR\AJ
 Sample : Q2176-03MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-25MS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 04:15:34 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	49712611	59132920	15.755m	15.108
28)	SA Decachlor...	9.098	8.060	27112585	49913230	11.506	11.410
Target Compounds							
2)	A alpha-BHC	4.024	3.396	221.9E6	274.1E6	45.770	46.795
3)	MA gamma-BHC...	4.355	3.729	203.7E6	259.2E6	45.553	46.279
4)	MA Heptachlor	4.953	4.082	168.3E6	251.9E6	44.476	44.914
5)	MB Aldrin	5.296	4.366	195.2E6	245.0E6	45.624	46.160
6)	B beta-BHC	4.543	4.024	86155875	111.3E6	43.704	44.922
7)	B delta-BHC	4.791	4.260	200.0E6	259.1E6	45.114	45.877
8)	B Heptachlo...	5.717	4.868	174.6E6	225.5E6	45.732	45.677
9)	A Endosulfan I	6.100	5.240	164.6E6	211.9E6	44.914	44.474
10)	B gamma-Chl...	5.971	5.121	176.7E6	238.0E6	45.405	45.319
11)	B alpha-Chl...	6.052	5.185	175.3E6	234.6E6	44.412	45.085
12)	B 4,4'-DDE	6.223	5.371	157.1E6	238.9E6	42.836	44.561
13)	MA Dieldrin	6.373	5.505	175.4E6	236.7E6	45.454	44.656
14)	MA Endrin	6.600	5.780	139.3E6	211.0E6	43.183	43.268
15)	B Endosulfa...	6.814	6.071	146.2E6	208.4E6	42.427	43.862
16)	A 4,4'-DDD	6.733	5.924	134.0E6	193.1E6	45.726	44.036
17)	MA 4,4'-DDT	7.048	6.177	113.7E6	200.1E6	42.037	41.831
18)	B Endrin al...	6.942	6.248	103.7E6	150.8E6	42.897	43.655
19)	B Endosulfa...	7.176	6.472	127.5E6	194.1E6	42.700	43.190
20)	A Methoxychlor	7.520	6.747	54017272	106.4E6	42.356	40.661
21)	B Endrin ke...	7.656	6.977	144.3E6	224.7E6	45.551m	43.439
22)	Mirex	8.139	7.171	104.3E6	174.4E6	45.082	42.962

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095888.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 14:55
Operator : AR\AJ
Sample : Q2176-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-25MS

Manual Integrations

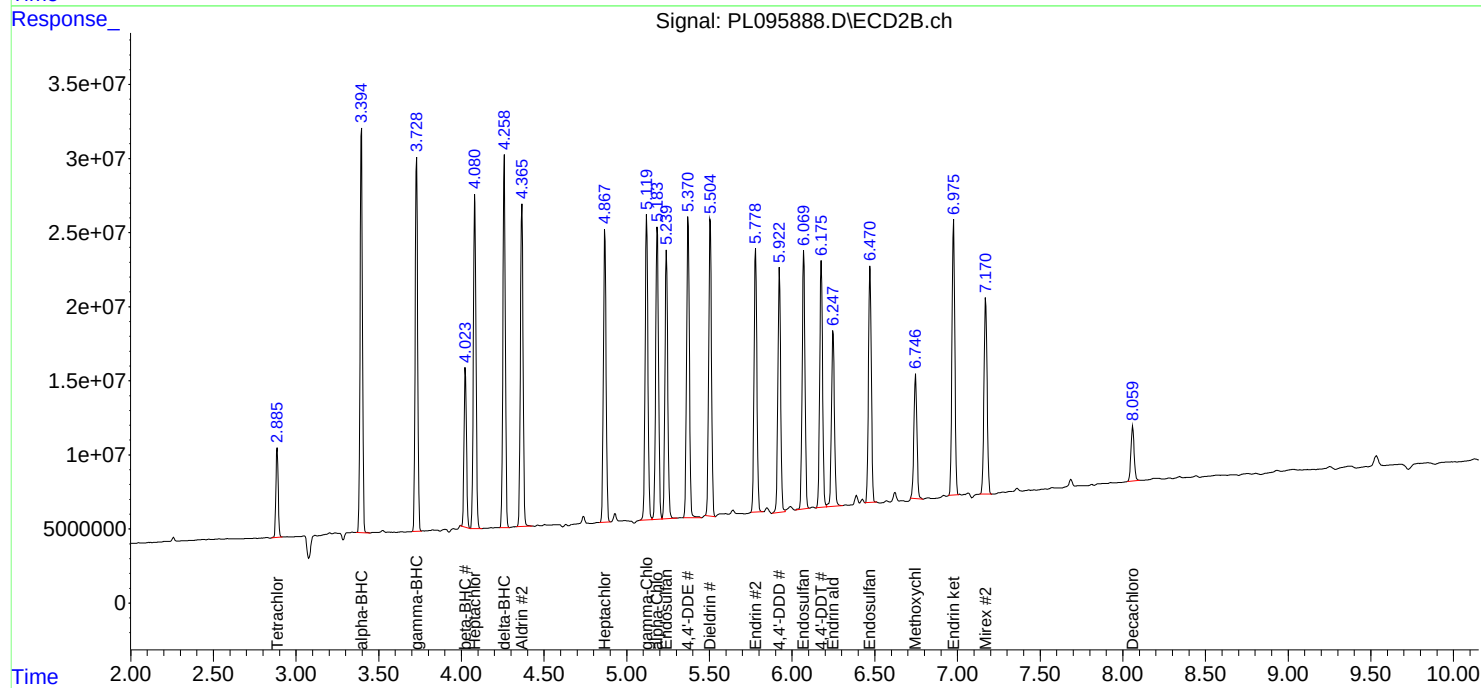
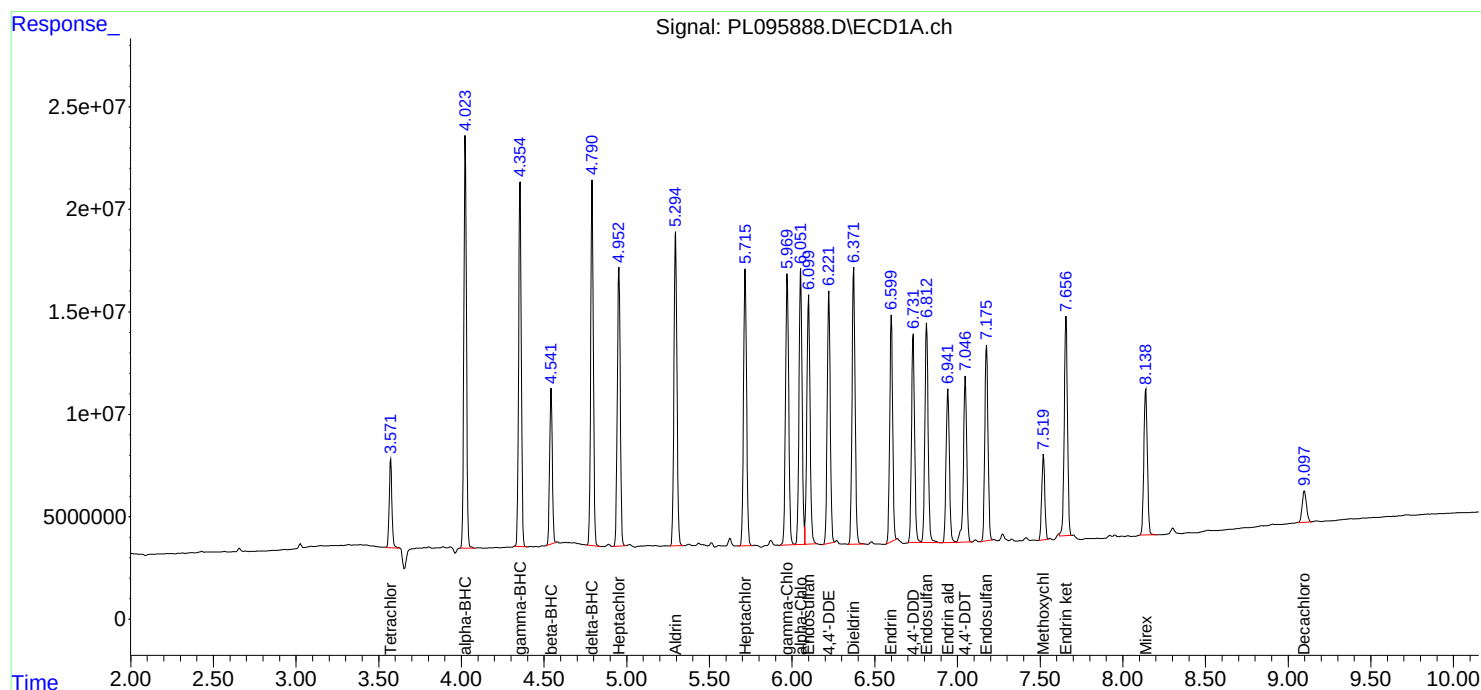
APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 04:15:34 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\PL060325\
 Data File : PL095889.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jun 2025 15:09
 Operator : AR\AJ
 Sample : Q2176-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-25MSD

Manual Integrations APPROVED

Reviewed By : Abdul Mirza 06/04/2025
 Supervised By : mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 04 01:36:33 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	48534351	57897501	15.382m	14.793
28) SA Decachlor...	9.098	8.060	27002635	49888927	11.460	11.405
Target Compounds						
2) A alpha-BHC	4.024	3.395	219.5E6	271.7E6	45.275	46.384
3) MA gamma-BHC...	4.356	3.729	201.2E6	256.3E6	44.992	45.761
4) MA Heptachlor	4.953	4.082	166.0E6	248.0E6	43.864	44.215
5) MB Aldrin	5.296	4.366	194.1E6	243.3E6	45.378	45.848
6) B beta-BHC	4.543	4.025	85340884	110.6E6	43.290	44.623
7) B delta-BHC	4.791	4.260	198.5E6	256.6E6	44.763	45.446
8) B Heptachlo...	5.717	4.868	173.7E6	225.1E6	45.502	45.600
9) A Endosulfan I	6.100	5.240	163.9E6	210.9E6	44.721	44.251
10) B gamma-Chl...	5.971	5.121	176.8E6	237.2E6	45.428	45.167
11) B alpha-Chl...	6.052	5.185	174.9E6	233.2E6	44.302	44.819
12) B 4,4'-DDE	6.223	5.372	160.0E6	235.2E6	43.616	43.859
13) MA Dieldrin	6.373	5.505	175.0E6	235.8E6	45.351	44.485
14) MA Endrin	6.600	5.780	139.3E6	207.9E6	43.174	42.635
15) B Endosulfa...	6.813	6.071	146.5E6	208.4E6	42.510	43.866
16) A 4,4'-DDD	6.732	5.923	133.7E6	192.2E6	45.611	43.836
17) MA 4,4'-DDT	7.047	6.177	113.4E6	198.2E6	41.927	41.452
18) B Endrin al...	6.942	6.249	103.3E6	151.6E6	42.738	43.899
19) B Endosulfa...	7.176	6.472	129.2E6	194.0E6	43.253	43.158
20) A Methoxychlor	7.520	6.747	53117302	105.9E6	41.650	40.467
21) B Endrin ke...	7.656	6.977	141.8E6	226.1E6	44.761m	43.701
22) Mirex	8.138	7.171	103.5E6	174.4E6	44.714	42.941

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060325\
Data File : PL095889.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jun 2025 15:09
Operator : AR\AJ
Sample : Q2176-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

TP-25MSD

Manual Integrations

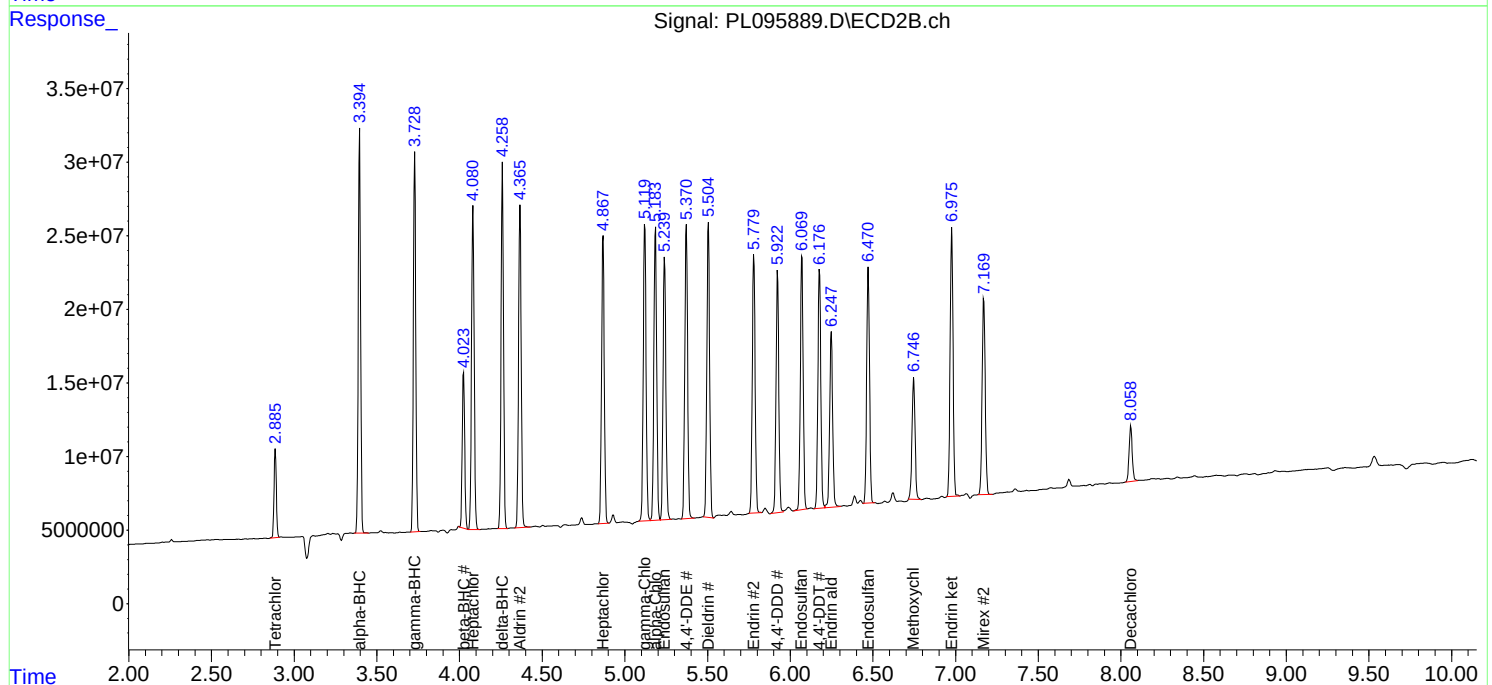
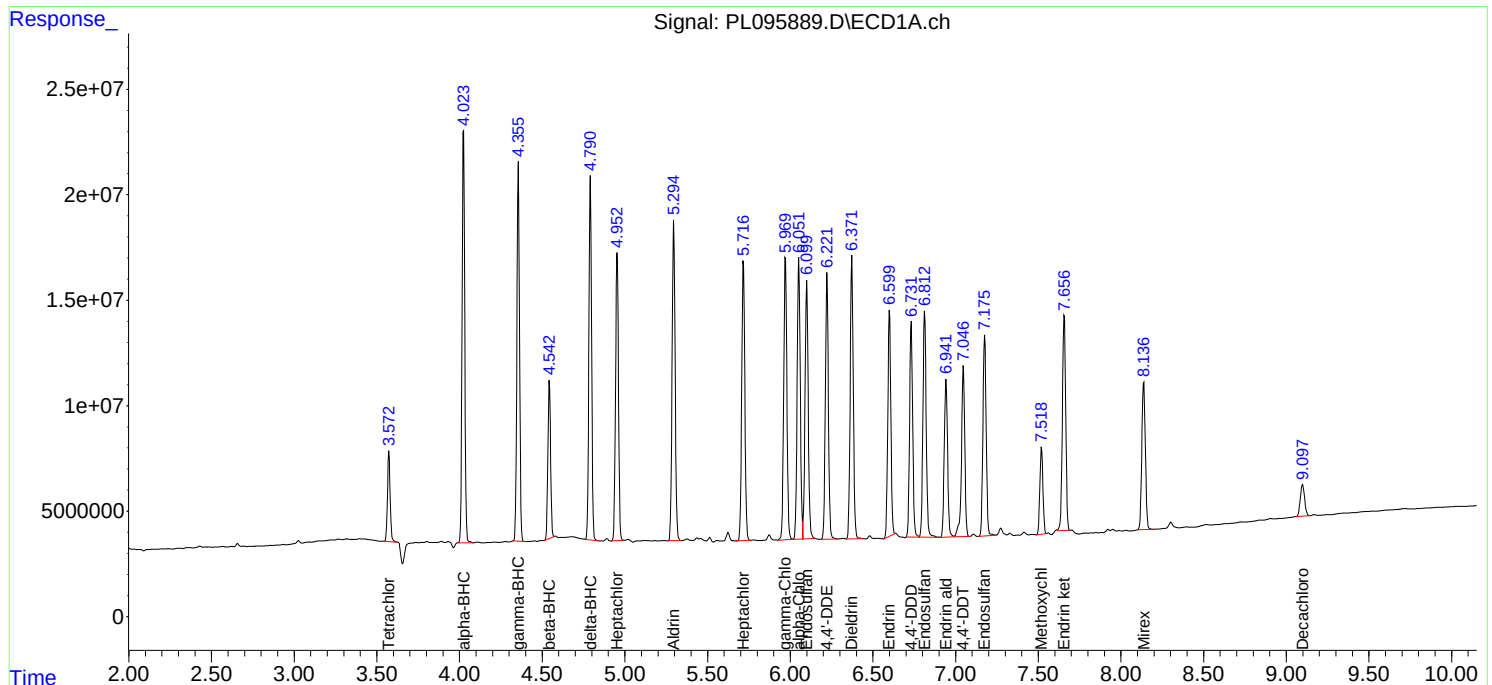
APPROVED

Reviewed By :Abdul Mirza 06/04/2025

Supervised By :mohammad ahmed 06/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 04 01:36:33 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



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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
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Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095879.D	4,4"-DDD	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095879.D	Endrin aldehyde #2	Abdul	6/4/2025 9:55:48 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endosulfan II #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095880.D	Endrin #2	Abdul	6/4/2025 9:55:52 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-01	PL095885.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:05 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-02	PL095886.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:09 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Dieldrin #2	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03	PL095887.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:13 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Endrin ketone	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MS	PL095888.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:56:17 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2176-03MSD	PL095889.D	Endrin ketone	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-03MSD	PL095889.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	4,4"-DDE #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	alpha-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-04	PL095890.D	gamma-Chlordane #2	Abdul	6/4/2025 9:57:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-05	PL095891.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:11 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
Q2176-07	PL095893.D	Tetrachloro-m-xylene	Abdul	6/4/2025 9:57:37 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	4,4"-DDD #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Aldrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Endrin #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095897.D	Mirex #2	Abdul	6/4/2025 9:57:45 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software

Manual Integration Report

Sequence:	pl060325	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095906.D	4,4"-DDD	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin #2	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PEM	PL095906.D	Endrin aldehyde	Abdul	6/4/2025 9:58:03 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Aldrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	Endrin #2	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095907.D	gamma-Chlordane	Abdul	6/4/2025 9:58:07 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	4,4"-DDE #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Aldrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	Endrin #2	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software
PSTDCCC050	PL095912.D	gamma-Chlordane	Abdul	6/4/2025 9:58:19 AM	mohammad	6/5/2025 1:35:39	Peak Integrated by Software



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

Manual Integration Report

Sequence:

pl060325

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	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	PL095877.D	03 Jun 2025 09:15	AR\AJ	Ok
2	I.BLK	PL095878.D	03 Jun 2025 09:28	AR\AJ	Ok
3	PEM	PL095879.D	03 Jun 2025 09:42	AR\AJ	Ok,M
4	PSTDCCC050	PL095880.D	03 Jun 2025 09:56	AR\AJ	Ok,M
5	PB168253BL	PL095881.D	03 Jun 2025 12:49	AR\AJ	Ok
6	PB168253BS	PL095882.D	03 Jun 2025 13:03	AR\AJ	Ok
7	Q2185-01	PL095883.D	03 Jun 2025 13:47	AR\AJ	Ok,M
8	Q2185-05	PL095884.D	03 Jun 2025 14:01	AR\AJ	Ok,M
9	Q2176-01	PL095885.D	03 Jun 2025 14:14	AR\AJ	Ok,M
10	Q2176-02	PL095886.D	03 Jun 2025 14:28	AR\AJ	Ok,M
11	Q2176-03	PL095887.D	03 Jun 2025 14:42	AR\AJ	Ok,M
12	Q2176-03MS	PL095888.D	03 Jun 2025 14:55	AR\AJ	Ok,M
13	Q2176-03MSD	PL095889.D	03 Jun 2025 15:09	AR\AJ	Ok,M
14	Q2176-04	PL095890.D	03 Jun 2025 15:22	AR\AJ	Ok,M
15	Q2176-05	PL095891.D	03 Jun 2025 15:36	AR\AJ	Ok,M
16	Q2176-06	PL095892.D	03 Jun 2025 15:50	AR\AJ	Ok
17	Q2176-07	PL095893.D	03 Jun 2025 16:03	AR\AJ	Ok,M
18	Q2176-08	PL095894.D	03 Jun 2025 16:17	AR\AJ	Ok
19	Q2173-06	PL095895.D	03 Jun 2025 16:34	AR\AJ	Ok,M
20	I.BLK	PL095896.D	03 Jun 2025 16:48	AR\AJ	Ok
21	PSTDCCC050	PL095897.D	03 Jun 2025 17:01	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	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	Q2173-06MS	PL095898.D	03 Jun 2025 17:15	AR\AJ	Ok,M
23	Q2173-06MSD	PL095899.D	03 Jun 2025 17:29	AR\AJ	Ok,M
24	Q2173-12	PL095900.D	03 Jun 2025 17:42	AR\AJ	Ok
25	Q2173-18	PL095901.D	03 Jun 2025 17:57	AR\AJ	Ok,M
26	PB168264BL	PL095902.D	03 Jun 2025 18:10	AR\AJ	Ok
27	PB168264BS	PL095903.D	03 Jun 2025 18:24	AR\AJ	Not Ok
28	PB168224TB	PL095904.D	03 Jun 2025 18:38	AR\AJ	Ok
29	I.BLK	PL095905.D	03 Jun 2025 18:51	AR\AJ	Ok
30	PEM	PL095906.D	03 Jun 2025 19:05	AR\AJ	Ok,M
31	PSTDCCC050	PL095907.D	03 Jun 2025 19:18	AR\AJ	Ok,M
32	Q2177-03	PL095908.D	03 Jun 2025 19:32	AR\AJ	Ok
33	Q2177-05	PL095909.D	03 Jun 2025 19:46	AR\AJ	Ok
34	Q2177-07	PL095910.D	03 Jun 2025 19:59	AR\AJ	Ok,M
35	I.BLK	PL095911.D	03 Jun 2025 20:13	AR\AJ	Ok
36	PSTDCCC050	PL095912.D	03 Jun 2025 20:27	AR\AJ	Ok,M

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 # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	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	PL095877.D	03 Jun 2025 09:15		AR\AJ	Ok
2	I.BLK	I.BLK	PL095878.D	03 Jun 2025 09:28		AR\AJ	Ok
3	PEM	PEM	PL095879.D	03 Jun 2025 09:42		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095880.D	03 Jun 2025 09:56		AR\AJ	Ok,M
5	PB168253BL	PB168253BL	PL095881.D	03 Jun 2025 12:49		AR\AJ	Ok
6	PB168253BS	PB168253BS	PL095882.D	03 Jun 2025 13:03		AR\AJ	Ok
7	Q2185-01	TP02-MHB-WC	PL095883.D	03 Jun 2025 13:47		AR\AJ	Ok,M
8	Q2185-05	TP01-MHB-WC	PL095884.D	03 Jun 2025 14:01		AR\AJ	Ok,M
9	Q2176-01	TP-46	PL095885.D	03 Jun 2025 14:14		AR\AJ	Ok,M
10	Q2176-02	TP-56	PL095886.D	03 Jun 2025 14:28		AR\AJ	Ok,M
11	Q2176-03	TP-25	PL095887.D	03 Jun 2025 14:42		AR\AJ	Ok,M
12	Q2176-03MS	TP-25MS	PL095888.D	03 Jun 2025 14:55		AR\AJ	Ok,M
13	Q2176-03MSD	TP-25MSD	PL095889.D	03 Jun 2025 15:09		AR\AJ	Ok,M
14	Q2176-04	TP-26	PL095890.D	03 Jun 2025 15:22		AR\AJ	Ok,M
15	Q2176-05	TP-28	PL095891.D	03 Jun 2025 15:36		AR\AJ	Ok,M
16	Q2176-06	TP-27	PL095892.D	03 Jun 2025 15:50		AR\AJ	Ok
17	Q2176-07	TP-31	PL095893.D	03 Jun 2025 16:03		AR\AJ	Ok,M
18	Q2176-08	TP-65	PL095894.D	03 Jun 2025 16:17		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL060325

Review By	Abdul	Review On	6/4/2025 10:00:00 AM
Supervise By	mohammad	Supervise On	6/5/2025 1:35:39 AM
SubDirectory	PL060325	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	Q2173-06	OR-400-CF-402B-COM	PL095895.D	03 Jun 2025 16:34		AR\AJ	Ok,M
20	I.BLK	I.BLK	PL095896.D	03 Jun 2025 16:48		AR\AJ	Ok
21	PSTDCCC050	PSTDCCC050	PL095897.D	03 Jun 2025 17:01		AR\AJ	Ok,M
22	Q2173-06MS	OR-400-CF-402B-COM	PL095898.D	03 Jun 2025 17:15		AR\AJ	Ok,M
23	Q2173-06MSD	OR-400-CF-402B-COM	PL095899.D	03 Jun 2025 17:29		AR\AJ	Ok,M
24	Q2173-12	OR-400-CF-402B-COM	PL095900.D	03 Jun 2025 17:42		AR\AJ	Ok
25	Q2173-18	OR-400-CF-402B-COM	PL095901.D	03 Jun 2025 17:57	DCB high in 2nd column	AR\AJ	Ok,M
26	PB168264BL	PB168264BL	PL095902.D	03 Jun 2025 18:10		AR\AJ	Ok
27	PB168264BS	PB168264BS	PL095903.D	03 Jun 2025 18:24	Looks like hexan	AR\AJ	Not Ok
28	PB168224TB	PB168224TB	PL095904.D	03 Jun 2025 18:38		AR\AJ	Ok
29	I.BLK	I.BLK	PL095905.D	03 Jun 2025 18:51		AR\AJ	Ok
30	PEM	PEM	PL095906.D	03 Jun 2025 19:05		AR\AJ	Ok,M
31	PSTDCCC050	PSTDCCC050	PL095907.D	03 Jun 2025 19:18		AR\AJ	Ok,M
32	Q2177-03	B-187-SB01	PL095908.D	03 Jun 2025 19:32		AR\AJ	Ok
33	Q2177-05	B-187-SB02	PL095909.D	03 Jun 2025 19:46		AR\AJ	Ok
34	Q2177-07	B-202-SB01	PL095910.D	03 Jun 2025 19:59		AR\AJ	Ok,M
35	I.BLK	I.BLK	PL095911.D	03 Jun 2025 20:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL095912.D	03 Jun 2025 20:27		AR\AJ	Ok,M

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil **Extraction Start Date :** 06/03/2025

Matrix : Solid **Extraction Start Time :** 09:30

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 06/03/2025

Balance check: EH **Filter By:** RJ **Extraction End Time :** 12:45

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 ☐ Continuous 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	EP2620
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

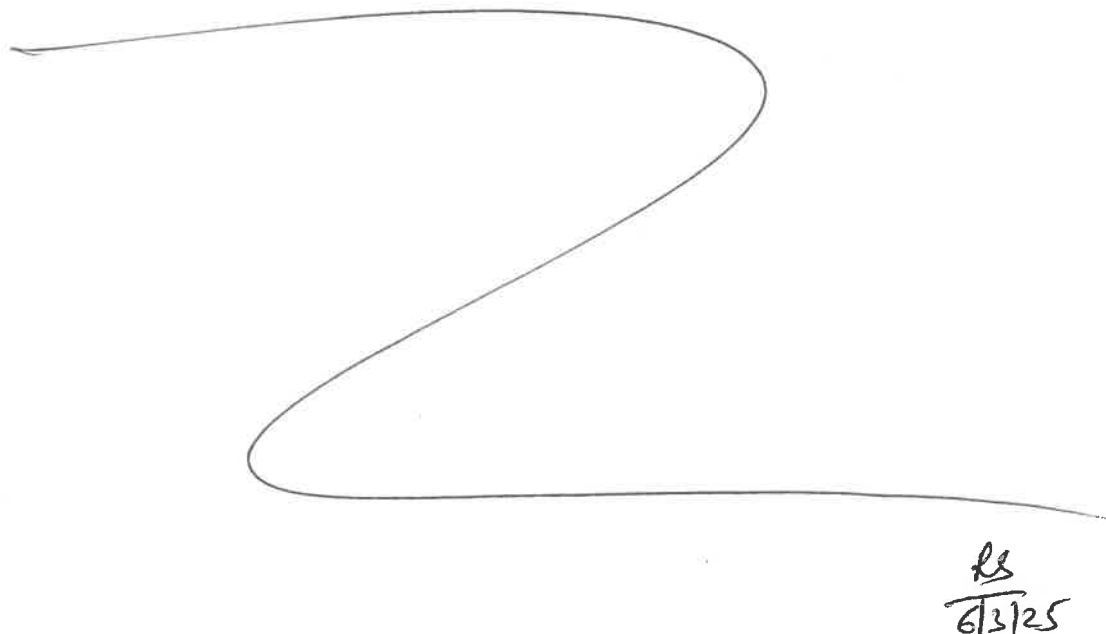
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/3/25	RS (Ext Lab)	Y. P. R. J. P. B.
12:50	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 06/03/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168253BL	PBLK253	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168253BS	PLCS253	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2176-01	TP-46	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-02	TP-56	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-03	TP-25	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-03MS	TP-25MS	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10	E		6
Q2176-03MS D	TP-25MSD	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2176-04	TP-26	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		2
Q2176-05	TP-28	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		3
Q2176-06	TP-27	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		4
Q2176-07	TP-31	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		5
Q2176-08	TP-65	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		6
Q2185-01	TP02-MHB-WC	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	B		U3-1
Q2185-05	TP01-MHB-WC	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	B		2



18253
9:28
9:36

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2176 WorkList ID : 189891 Department : Extraction Date : 06-03-2025 09:00:16

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2176-01	TP-46	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/28/2025	8081B
Q2176-02	TP-56	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-03	TP-25	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-04	TP-26	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-05	TP-28	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-06	TP-27	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-07	TP-31	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/29/2025	8081B
Q2176-08	TP-65	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/30/2025	8081B
Q2185-01	TP02-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B
Q2185-05	TP01-MHB-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L31	06/02/2025	8081B

Date/Time 06/03/25 9:25
Raw Sample Received by: RS (6-11-1ab)
Raw Sample Relinquished by: RS (6-11-1ab)

Date/Time 06/03/25 9:45
Raw Sample Received by: RS (6-11-1ab)
Raw Sample Relinquished by: RS (6-11-1ab)

LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2176-01	TP-46	SOIL	Pesticide-TCL	8081B	05/28/25	06/03/25	06/03/25	05/30/25
Q2176-02	TP-56	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-03	TP-25	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-04	TP-26	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-05	TP-28	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-06	TP-27	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-07	TP-31	SOIL	Pesticide-TCL	8081B	05/29/25	06/03/25	06/03/25	05/30/25
Q2176-08	TP-65	SOIL	Pesticide-TCL	8081B	05/30/25	06/03/25	06/03/25	05/30/25