

Hit Summary Sheet
SW-846

SDG No.: Q2100

Order ID: Q2100

Client: CDM Smith

Project ID: South River WM Replacement

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q2100-03	TP-21 TP-21	SOIL	alpha-Chlordane	0.34	JP	0.15	2.20	ug/kg
Total Concentration:				0.340				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088723.D	1	05/22/25 08:30	05/22/25 14:51	PB168125

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	0.20	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	0.44	U	0.44	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	0.21	U	0.21	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	0.21	U	0.21	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	6.10	U	6.10	37.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.1		20 - 144	66%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.6		19 - 148	88%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-16	SDG No.:	Q2100
Lab Sample ID:	Q2100-01	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	88.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088723.D	1	05/22/25 08:30	05/22/25 14:51	PB168125

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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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:	05/19/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-22	SDG No.:	Q2100
Lab Sample ID:	Q2100-02	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	84
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
PD088724.D	1	05/22/25 08:30	05/22/25 15:05	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.15	U	0.15	2.00	ug/kg
319-85-7	beta-BHC	0.21	U	0.21	2.00	ug/kg
319-86-8	delta-BHC	0.46	U	0.46	2.00	ug/kg
58-89-9	gamma-BHC (Lindane)	0.17	U	0.17	2.00	ug/kg
76-44-8	Heptachlor	0.14	U	0.14	2.00	ug/kg
309-00-2	Aldrin	0.14	U	0.14	2.00	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	2.00	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	2.00	ug/kg
60-57-1	Dieldrin	0.17	U	0.17	2.00	ug/kg
72-55-9	4,4-DDE	0.17	U	0.17	2.00	ug/kg
72-20-8	Endrin	0.17	U	0.17	2.00	ug/kg
33213-65-9	Endosulfan II	0.34	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	0.17	U	0.17	2.00	ug/kg
72-43-5	Methoxychlor	0.44	U	0.44	2.00	ug/kg
53494-70-5	Endrin ketone	0.23	U	0.23	2.00	ug/kg
7421-93-4	Endrin aldehyde	0.44	U	0.44	2.00	ug/kg
5103-71-9	alpha-Chlordane	0.14	U	0.14	2.00	ug/kg
5103-74-2	gamma-Chlordane	0.18	U	0.18	2.00	ug/kg
8001-35-2	Toxaphene	6.40	U	6.40	39.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.5		20 - 144	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		19 - 148	91%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/19/25	
Project:	South River WM Replacement		Date Received:	05/20/25	
Client Sample ID:	TP-22		SDG No.:	Q2100	
Lab Sample ID:	Q2100-02		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	84	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
PD088724.D	1	05/22/25 08:30	05/22/25 15:05	PB168125

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

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-21	SDG No.:	Q2100
Lab Sample ID:	Q2100-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.2 Decanted:
Sample Wt/Vol:	30.02 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
PD088725.D	1	05/22/25 08:30	05/22/25 15:18	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.20	ug/kg
319-85-7	beta-BHC	0.23	U	0.23	2.20	ug/kg
319-86-8	delta-BHC	0.50	U	0.50	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.15	U	0.15	2.20	ug/kg
309-00-2	Aldrin	0.15	U	0.15	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.24	U	0.24	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.37	U	0.37	2.20	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.47	U	0.47	2.20	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.47	U	0.47	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.34	JP	0.15	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	2.20	ug/kg
8001-35-2	Toxaphene	6.90	U	6.90	42.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.2		20 - 144	61%	SPK: 20
877-09-8	Tetrachloro-m-xylene	13.4		19 - 148	67%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-21	SDG No.:	Q2100
Lab Sample ID:	Q2100-03	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	78.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088725.D	1	05/22/25 08:30	05/22/25 15:18	PB168125

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

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2
Sample Wt/Vol:	30.05	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
PD088726.D	1	05/22/25 08:30	05/22/25 15:32	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.17	U	0.17	2.20	ug/kg
319-85-7	beta-BHC	0.24	U	0.24	2.20	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	0.18	U	0.18	2.20	ug/kg
76-44-8	Heptachlor	0.16	U	0.16	2.20	ug/kg
309-00-2	Aldrin	0.16	U	0.16	2.20	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	2.20	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	2.20	ug/kg
60-57-1	Dieldrin	0.18	U	0.18	2.20	ug/kg
72-55-9	4,4-DDE	0.18	U	0.18	2.20	ug/kg
72-20-8	Endrin	0.18	U	0.18	2.20	ug/kg
33213-65-9	Endosulfan II	0.38	U	0.38	2.20	ug/kg
72-54-8	4,4-DDD	0.20	U	0.20	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	0.17	U	0.17	2.20	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	2.20	ug/kg
72-43-5	Methoxychlor	0.48	U	0.48	2.20	ug/kg
53494-70-5	Endrin ketone	0.25	U	0.25	2.20	ug/kg
7421-93-4	Endrin aldehyde	0.48	U	0.48	2.20	ug/kg
5103-71-9	alpha-Chlordane	0.16	U	0.16	2.20	ug/kg
5103-74-2	gamma-Chlordane	0.20	U	0.20	2.20	ug/kg
8001-35-2	Toxaphene	7.10	U	7.10	43.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.7		20 - 144	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.8		19 - 148	89%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45	SDG No.:	Q2100
Lab Sample ID:	Q2100-04	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088726.D	1	05/22/25 08:30	05/22/25 15:32	PB168125

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

Surrogate Summary

SDG No.: **Q2100**

Client: **CDM Smith**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088583.D	PIBLK-PD088583.D	Decachlorobiphenyl	1	20	18.4	92		43	140
		Tetrachloro-m-xylene	1	20	16.5	83		77	126
		Decachlorobiphenyl	2	20	18.0	90		43	140
		Tetrachloro-m-xylene	2	20	16.9	84		77	126
I.BLK-PD088719.D	PIBLK-PD088719.D	Decachlorobiphenyl	1	20	19.7	98		43	140
		Tetrachloro-m-xylene	1	20	18.9	95		77	126
		Decachlorobiphenyl	2	20	15.8	79		43	140
		Tetrachloro-m-xylene	2	20	19.8	99		77	126
PB168125BL	PB168125BL	Decachlorobiphenyl	1	20	20.1	101		20	144
		Tetrachloro-m-xylene	1	20	19.4	97		19	148
		Decachlorobiphenyl	2	20	17.8	89		20	144
		Tetrachloro-m-xylene	2	20	20.8	104		19	148
PB168125BS	PB168125BS	Decachlorobiphenyl	1	20	22.1	110		20	144
		Tetrachloro-m-xylene	1	20	22.1	111		19	148
		Decachlorobiphenyl	2	20	21.0	105		20	144
		Tetrachloro-m-xylene	2	20	23.0	115		19	148
Q2100-01	TP-16	Decachlorobiphenyl	1	20	13.1	66		20	144
		Tetrachloro-m-xylene	1	20	17.3	87		19	148
		Decachlorobiphenyl	2	20	12.1	61		20	144
		Tetrachloro-m-xylene	2	20	17.6	88		19	148
Q2100-02	TP-22	Decachlorobiphenyl	1	20	15.5	78		20	144
		Tetrachloro-m-xylene	1	20	17.7	89		19	148
		Decachlorobiphenyl	2	20	14.1	71		20	144
		Tetrachloro-m-xylene	2	20	18.2	91		19	148
Q2100-03	TP-21	Decachlorobiphenyl	1	20	12.2	61		20	144
		Tetrachloro-m-xylene	1	20	12.9	65		19	148
		Decachlorobiphenyl	2	20	11.0	55		20	144
		Tetrachloro-m-xylene	2	20	13.4	67		19	148
Q2100-04	TP-45	Decachlorobiphenyl	1	20	15.7	78		20	144
		Tetrachloro-m-xylene	1	20	17.4	87		19	148
		Decachlorobiphenyl	2	20	14.0	70		20	144
		Tetrachloro-m-xylene	2	20	17.8	89		19	148
Q2100-04MS	TP-45MS	Decachlorobiphenyl	1	20	20.4	102		20	144
		Tetrachloro-m-xylene	1	20	20.0	100		19	148
		Decachlorobiphenyl	2	20	18.5	93		20	144
		Tetrachloro-m-xylene	2	20	21.4	107		19	148
Q2100-04MSD	TP-45MSD	Decachlorobiphenyl	1	20	20.4	102		20	144
		Tetrachloro-m-xylene	1	20	20.4	102		19	148
		Decachlorobiphenyl	2	20	19.0	95		20	144
		Tetrachloro-m-xylene	2	20	21.6	108		19	148
I.BLK-PD088732.D	PIBLK-PD088732.D	Decachlorobiphenyl	1	20	17.1	85		43	140

Surrogate Summary

SDG No.: Q2100

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088732.D	PIBLK-PD088732.D	Tetrachloro-m-xylene	1	20	19.3	97		77	126
		Decachlorobiphenyl	2	20	12.6	63		43	140
		Tetrachloro-m-xylene	2	20	20.2	101		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2100	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD088727.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2100-04MS (Column 1)	TP-45MS											
	alpha-BHC	21.84	0	22.6	ug/kg	103				60	144	
	beta-BHC	21.84	0	21.6	ug/kg	99				54	143	
	delta-BHC	21.84	0	24.1	ug/kg	110				29	151	
	gamma-BHC (Lindane)	21.84	0	22.4	ug/kg	103				61	140	
	Heptachlor	21.84	0	21.7	ug/kg	99				63	135	
	Aldrin	21.84	0	22.5	ug/kg	103				49	139	
	Heptachlor epoxide	21.84	0	22.1	ug/kg	101				41	156	
	Endosulfan I	21.84	0	21.9	ug/kg	100				56	142	
	Dieldrin	21.84	0	22.0	ug/kg	101				47	161	
	4,4'-DDE	21.84	0	21.9	ug/kg	100				55	136	
	Endrin	21.84	0	21.1	ug/kg	97				57	139	
	Endosulfan II	21.84	0	21.3	ug/kg	98				40	163	
	4,4'-DDD	21.84	0	24.3	ug/kg	111				47	163	
	Endosulfan sulfate	21.84	0	20.8	ug/kg	95				62	139	
	4,4'-DDT	21.84	0	17.0	ug/kg	78				51	146	
	Methoxychlor	21.84	0	16.8	ug/kg	77				54	136	
	Endrin ketone	21.84	0	21.3	ug/kg	98				60	129	
	Endrin aldehyde	21.84	0	20.9	ug/kg	96				59	132	
	alpha-Chlordane	21.84	0	21.9	ug/kg	100				39	166	
	gamma-Chlordane	21.84	0	22.0	ug/kg	101				44	175	
Client Sample ID: Q2100-04MS (Column 2)	TP-45MS											
	alpha-BHC	21.84	0	22.1	ug/kg	101				60	144	
	beta-BHC	21.84	0	22.2	ug/kg	102				54	143	
	delta-BHC	21.84	0	21.9	ug/kg	100				29	151	
	gamma-BHC (Lindane)	21.84	0	21.8	ug/kg	100				61	140	
	Heptachlor	21.84	0	20.8	ug/kg	95				63	135	
	Aldrin	21.84	0	21.8	ug/kg	100				49	139	
	Heptachlor epoxide	21.84	0	21.3	ug/kg	98				41	156	
	Endosulfan I	21.84	0	21.1	ug/kg	97				56	142	
	Dieldrin	21.84	0	21.1	ug/kg	97				47	161	
	4,4'-DDE	21.84	0	20.9	ug/kg	96				55	136	
	Endrin	21.84	0	20.3	ug/kg	93				57	139	
	Endosulfan II	21.84	0	20.6	ug/kg	94				40	163	
	4,4'-DDD	21.84	0	21.8	ug/kg	100				47	163	
	Endosulfan sulfate	21.84	0	20.1	ug/kg	92				62	139	
	4,4'-DDT	21.84	0	16.7	ug/kg	76				51	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2100</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD088727.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits	
			Result	Result							High	RPD
Q2100-04MS (Column 2)	Methoxychlor	21.84	0	16.9	ug/kg	77				54	136	
	Endrin ketone	21.84	0	20.2	ug/kg	92				60	129	
	Endrin aldehyde	21.84	0	19.9	ug/kg	91				59	132	
	alpha-Chlordane	21.84	0	21.3	ug/kg	98				39	166	
	gamma-Chlordane	21.84	0	21.3	ug/kg	98				44	175	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	Q2100	Analytical Method:	8081B
Client:	CDM Smith	DataFile :	PD088728.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2100-04MSD (Column 1)	TP-45MSD											
	alpha-BHC	21.86	0	23.0	ug/kg	105		2		60	144	20
	beta-BHC	21.86	0	22.2	ug/kg	102		3		54	143	20
	delta-BHC	21.86	0	24.7	ug/kg	113		3		29	151	20
	gamma-BHC (Lindane)	21.86	0	23.0	ug/kg	105		2		61	140	20
	Heptachlor	21.86	0	22.2	ug/kg	102		3		63	135	20
	Aldrin	21.86	0	23.0	ug/kg	105		2		49	139	20
	Heptachlor epoxide	21.86	0	22.6	ug/kg	103		2		41	156	20
	Endosulfan I	21.86	0	22.5	ug/kg	103		3		56	142	20
	Dieldrin	21.86	0	22.5	ug/kg	103		2		47	161	20
	4,4'-DDE	21.86	0	22.6	ug/kg	103		3		55	136	20
	Endrin	21.86	0	21.9	ug/kg	100		3		57	139	20
	Endosulfan II	21.86	0	22.0	ug/kg	101		3		40	163	20
	4,4'-DDD	21.86	0	24.8	ug/kg	113		2		47	163	20
	Endosulfan sulfate	21.86	0	21.9	ug/kg	100		5		62	139	20
	4,4'-DDT	21.86	0	18.4	ug/kg	84		7		51	146	20
	Methoxychlor	21.86	0	17.9	ug/kg	82		6		54	136	20
	Endrin ketone	21.86	0	21.9	ug/kg	100		2		60	129	20
	Endrin aldehyde	21.86	0	21.5	ug/kg	98		2		59	132	20
	alpha-Chlordane	21.86	0	22.5	ug/kg	103		3		39	166	20
	gamma-Chlordane	21.86	0	22.5	ug/kg	103		2		44	175	20
Client Sample ID: Q2100-04MSD (Column 2)	TP-45MSD											
	alpha-BHC	21.86	0	22.5	ug/kg	103		2		60	144	20
	beta-BHC	21.86	0	22.7	ug/kg	104		2		54	143	20
	delta-BHC	21.86	0	22.3	ug/kg	102		2		29	151	20
	gamma-BHC (Lindane)	21.86	0	22.3	ug/kg	102		2		61	140	20
	Heptachlor	21.86	0	21.3	ug/kg	97		2		63	135	20
	Aldrin	21.86	0	22.1	ug/kg	101		1		49	139	20
	Heptachlor epoxide	21.86	0	21.8	ug/kg	100		2		41	156	20
	Endosulfan I	21.86	0	21.5	ug/kg	98		1		56	142	20
	Dieldrin	21.86	0	21.7	ug/kg	99		2		47	161	20
	4,4'-DDE	21.86	0	21.2	ug/kg	97		1		55	136	20
	Endrin	21.86	0	20.9	ug/kg	96		3		57	139	20
	Endosulfan II	21.86	0	21.2	ug/kg	97		3		40	163	20
	4,4'-DDD	21.86	0	21.9	ug/kg	100		0		47	163	20
	Endosulfan sulfate	21.86	0	20.7	ug/kg	95		3		62	139	20
	4,4'-DDT	21.86	0	18.1	ug/kg	83		9		51	146	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2100</u>	Analytical Method:	<u>8081B</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PD088728.D</u>

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Q2100-04MSD (Column 2)	Methoxychlor	21.86	0	17.3	ug/kg	79		3		54	136	20
	Endrin ketone	21.86	0	22.9	ug/kg	105		13		60	129	20
	Endrin aldehyde	21.86	0	20.7	ug/kg	95		4		59	132	20
	alpha-Chlordane	21.86	0	21.7	ug/kg	99		1		39	166	20
	gamma-Chlordane	21.86	0	21.8	ug/kg	100		2		44	175	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	Q2100	Analytical Method:	8081B
Client:	CDM Smith	Datafile :	PD088722.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB168125BS (Column 1)	alpha-BHC	16.65	16.9	ug/kg	102				84	123	
	beta-BHC	16.65	16.6	ug/kg	100				82	123	
	delta-BHC	16.65	16.9	ug/kg	102				83	126	
	gamma-BHC (Lindane)	16.65	17.0	ug/kg	102				83	125	
	Heptachlor	16.65	16.8	ug/kg	101				83	122	
	Aldrin	16.65	17.3	ug/kg	104				82	124	
	Heptachlor epoxide	16.65	17.1	ug/kg	103				83	120	
	Endosulfan I	16.65	17.2	ug/kg	103				81	124	
	Dieldrin	16.65	17.3	ug/kg	104				85	121	
	4,4'-DDE	16.65	17.1	ug/kg	103				81	123	
	Endrin	16.65	16.8	ug/kg	101				76	130	
	Endosulfan II	16.65	17.0	ug/kg	102				80	125	
	4,4'-DDD	16.65	20.0	ug/kg	120				80	131	
	Endosulfan sulfate	16.65	16.5	ug/kg	99				81	122	
	4,4'-DDT	16.65	13.2	ug/kg	79				70	129	
	Methoxychlor	16.65	13.6	ug/kg	82				60	119	
	Endrin ketone	16.65	16.9	ug/kg	102				77	132	
	Endrin aldehyde	16.65	16.4	ug/kg	98				79	124	
	alpha-Chlordane	16.65	17.2	ug/kg	103				84	120	
	gamma-Chlordane	16.65	17.3	ug/kg	104				83	122	
PB168125BS (Column 2)	alpha-BHC	16.65	16.7	ug/kg	100				84	123	
	beta-BHC	16.65	16.6	ug/kg	100				82	123	
	delta-BHC	16.65	15.9	ug/kg	95				83	126	
	gamma-BHC (Lindane)	16.65	16.7	ug/kg	100				83	125	
	Heptachlor	16.65	16.1	ug/kg	97				83	122	
	Aldrin	16.65	16.7	ug/kg	100				82	124	
	Heptachlor epoxide	16.65	16.6	ug/kg	100				83	120	
	Endosulfan I	16.65	15.0	ug/kg	90				81	124	
	Dieldrin	16.65	16.6	ug/kg	100				85	121	
	4,4'-DDE	16.65	16.5	ug/kg	99				81	123	
	Endrin	16.65	16.0	ug/kg	96				76	130	
	Endosulfan II	16.65	16.3	ug/kg	98				80	125	
	4,4'-DDD	16.65	17.8	ug/kg	107				80	131	
	Endosulfan sulfate	16.65	15.7	ug/kg	94				81	122	
	4,4'-DDT	16.65	13.4	ug/kg	80				70	129	
	Methoxychlor	16.65	13.5	ug/kg	81				60	119	
	Endrin ketone	16.65	16.0	ug/kg	96				77	132	
	Endrin aldehyde	16.65	15.8	ug/kg	95				79	124	
	alpha-Chlordane	16.65	16.5	ug/kg	99				84	120	
	gamma-Chlordane	16.65	16.6	ug/kg	100				83	122	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168125BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: PB168125BL

Lab File ID: PD088721.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/22/2025

Date Analyzed (1): 05/22/2025

Date Analyzed (2): 05/22/2025

Time Analyzed (1): 13:48

Time Analyzed (2): 13:48

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB168125BS	PB168125BS	PD088722.D	05/22/2025	05/22/2025
TP-16	Q2100-01	PD088723.D	05/22/2025	05/22/2025
TP-22	Q2100-02	PD088724.D	05/22/2025	05/22/2025
TP-21	Q2100-03	PD088725.D	05/22/2025	05/22/2025
TP-45	Q2100-04	PD088726.D	05/22/2025	05/22/2025
TP-45MS	Q2100-04MS	PD088727.D	05/22/2025	05/22/2025
TP-45MSD	Q2100-04MSD	PD088728.D	05/22/2025	05/22/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168125BL	SDG No.:	Q2100
Lab Sample ID:	PB168125BL	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088721.D	1	05/22/25 08:30	05/22/25 13:48	PB168125

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	20.1		20 - 144	101%	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:	PB168125BL		SDG No.:	Q2100	
Lab Sample ID:	PB168125BL		Matrix:	SOIL	
Analytical Method:	8081B		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	Pesticide-TCL	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088721.D	1	05/22/25 08:30	05/22/25 13:48	PB168125

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:	05/19/25
Project:	South River WM Replacement	Date Received:	05/19/25
Client Sample ID:	PIBLK-PD088583.D	SDG No.:	Q2100
Lab Sample ID:	I.BLK-PD088583.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
PD088583.D	1		05/19/25	PD051925

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	18.4		43 - 140	92%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		77 - 126	84%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/19/25	
Project:	South River WM Replacement		Date Received:	05/19/25	
Client Sample ID:	PIBLK-PD088583.D		SDG No.:	Q2100	
Lab Sample ID:	I.BLK-PD088583.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
PD088583.D	1		05/19/25	PD051925

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:	05/22/25
Project:	South River WM Replacement	Date Received:	05/22/25
Client Sample ID:	PIBLK-PD088719.D	SDG No.:	Q2100
Lab Sample ID:	I.BLK-PD088719.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
PD088719.D	1		05/22/25	pd052325

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	19.7		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.8		77 - 126	99%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/22/25
Project:	South River WM Replacement	Date Received:	05/22/25
Client Sample ID:	PIBLK-PD088719.D	SDG No.:	Q2100
Lab Sample ID:	I.BLK-PD088719.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
PD088719.D	1		05/22/25	pd052325

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/22/25
Project:	South River WM Replacement	Date Received:	05/22/25
Client Sample ID:	PIBLK-PD088732.D	SDG No.:	Q2100
Lab Sample ID:	I.BLK-PD088732.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
PD088732.D	1		05/22/25	pd052325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0039	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.0049	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.011	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.0036	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.0031	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.0036	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.0037	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.0079	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.0071	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0037	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.0035	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0093	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.011	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0035	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0039	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.1		43 - 140	85%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		77 - 126	101%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:	05/22/25	
Project:	South River WM Replacement		Date Received:	05/22/25	
Client Sample ID:	PIBLK-PD088732.D		SDG No.:	Q2100	
Lab Sample ID:	I.BLK-PD088732.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
PD088732.D	1		05/22/25	pd052325

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

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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:	PB168125BS	SDG No.:	Q2100
Lab Sample ID:	PB168125BS	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
PD088722.D	1	05/22/25 08:30	05/22/25 14:23	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	16.9		0.13	1.70	ug/kg
319-85-7	beta-BHC	16.6		0.18	1.70	ug/kg
319-86-8	delta-BHC	16.9		0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.0		0.14	1.70	ug/kg
76-44-8	Heptachlor	16.8		0.12	1.70	ug/kg
309-00-2	Aldrin	17.3		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	17.1		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.2		0.14	1.70	ug/kg
60-57-1	Dieldrin	17.3		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.1		0.14	1.70	ug/kg
72-20-8	Endrin	16.8		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	17.0		0.29	1.70	ug/kg
72-54-8	4,4-DDD	20.0		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	13.4		0.14	1.70	ug/kg
72-43-5	Methoxychlor	13.6		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	16.9		0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	16.4		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.2		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	17.3		0.15	1.70	ug/kg
8001-35-2	Toxaphene	5.40	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		20 - 144	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.0		19 - 148	115%	SPK: 20

Report of Analysis

Client:	CDM Smith		Date Collected:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168125BS		SDG No.:	Q2100	
Lab Sample ID:	PB168125BS		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
PD088722.D	1	05/22/25 08:30	05/22/25 14:23	PB168125

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45MS	SDG No.:	Q2100
Lab Sample ID:	Q2100-04MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088727.D	1	05/22/25 08:30	05/22/25 15:46	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	22.6		0.17	2.20	ug/kg
319-85-7	beta-BHC	22.2		0.24	2.20	ug/kg
319-86-8	delta-BHC	24.1		0.51	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	22.4		0.18	2.20	ug/kg
76-44-8	Heptachlor	21.7		0.16	2.20	ug/kg
309-00-2	Aldrin	22.5		0.16	2.20	ug/kg
1024-57-3	Heptachlor epoxide	22.1		0.25	2.20	ug/kg
959-98-8	Endosulfan I	21.9		0.18	2.20	ug/kg
60-57-1	Dieldrin	22.0		0.18	2.20	ug/kg
72-55-9	4,4-DDE	21.9		0.18	2.20	ug/kg
72-20-8	Endrin	21.1		0.18	2.20	ug/kg
33213-65-9	Endosulfan II	21.3		0.38	2.20	ug/kg
72-54-8	4,4-DDD	24.3		0.20	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	20.8		0.17	2.20	ug/kg
50-29-3	4,4-DDT	17.0		0.18	2.20	ug/kg
72-43-5	Methoxychlor	16.9		0.48	2.20	ug/kg
53494-70-5	Endrin ketone	21.3		0.25	2.20	ug/kg
7421-93-4	Endrin aldehyde	20.9		0.48	2.20	ug/kg
5103-71-9	alpha-Chlordane	21.9		0.16	2.20	ug/kg
5103-74-2	gamma-Chlordane	22.0		0.20	2.20	ug/kg
8001-35-2	Toxaphene	7.10	U	7.10	43.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		20 - 144	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.4		19 - 148	107%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45MS	SDG No.:	Q2100
Lab Sample ID:	Q2100-04MS	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2
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
PD088727.D	1	05/22/25 08:30	05/22/25 15:46	PB168125

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

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45MSD	SDG No.:	Q2100
Lab Sample ID:	Q2100-04MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2 Decanted:
Sample Wt/Vol:	30.02 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
PD088728.D	1	05/22/25 08:30	05/22/25 15:59	PB168125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.0		0.17	2.20	ug/kg
319-85-7	beta-BHC	22.7		0.24	2.20	ug/kg
319-86-8	delta-BHC	24.7		0.51	2.20	ug/kg
58-89-9	gamma-BHC (Lindane)	23.0		0.18	2.20	ug/kg
76-44-8	Heptachlor	22.2		0.16	2.20	ug/kg
309-00-2	Aldrin	23.0		0.16	2.20	ug/kg
1024-57-3	Heptachlor epoxide	22.6		0.25	2.20	ug/kg
959-98-8	Endosulfan I	22.5		0.18	2.20	ug/kg
60-57-1	Dieldrin	22.5		0.18	2.20	ug/kg
72-55-9	4,4-DDE	22.6		0.18	2.20	ug/kg
72-20-8	Endrin	21.9		0.18	2.20	ug/kg
33213-65-9	Endosulfan II	22.0		0.38	2.20	ug/kg
72-54-8	4,4-DDD	24.8		0.20	2.20	ug/kg
1031-07-8	Endosulfan Sulfate	21.9		0.17	2.20	ug/kg
50-29-3	4,4-DDT	18.4		0.18	2.20	ug/kg
72-43-5	Methoxychlor	17.9		0.49	2.20	ug/kg
53494-70-5	Endrin ketone	22.9		0.25	2.20	ug/kg
7421-93-4	Endrin aldehyde	21.5		0.49	2.20	ug/kg
5103-71-9	alpha-Chlordane	22.5		0.16	2.20	ug/kg
5103-74-2	gamma-Chlordane	22.5		0.20	2.20	ug/kg
8001-35-2	Toxaphene	7.10	U	7.10	43.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.4		20 - 144	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		19 - 148	108%	SPK: 20

Report of Analysis

Client:	CDM Smith	Date Collected:	05/20/25
Project:	South River WM Replacement	Date Received:	05/20/25
Client Sample ID:	TP-45MSD	SDG No.:	Q2100
Lab Sample ID:	Q2100-04MSD	Matrix:	SOIL
Analytical Method:	8081B	% Solid:	76.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	Pesticide-TCL
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088728.D	1	05/22/25 08:30	05/22/25 15:59	PB168125

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

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CALIBRATION SUMMARY

A
B
C
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E
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Calibration Times: 11:31 12:25

LAB FILE ID:	RT 100 =	<u>PD088586.D</u>	RT 075 =	<u>PD088587.D</u>
	RT 050 =	PD088588.D	RT 025 =	PD088589.D
			RT 005 =	PD088590.D

[illegible]

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

Calibration Times: 11:31 12:25

LAB FILE ID:	RT 100 =	<u>PD088586.D</u>	RT 075 =	<u>PD088587.D</u>
	RT 050 =	PD088588.D	RT 025 =	PD088589.D
			RT 005 =	PD088590.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2100 **SAS No.:** Q2100 **SDG NO.:** Q2100

Instrument ID: ECD_D

Calibration Date(s): 05/19/2025 05/19/2025

Calibration Times: 11:31 12:25

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

LAB FILE ID:		CF 100 =	<u>PD088586.D</u>	CF 075 =	<u>PD088587.D</u>		
CF 050 =		<u>PD088588.D</u>	CF 025 =	<u>PD088589.D</u>	CF 005 =	<u>PD088590.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2914090000	2799000000	2779180000	2710870000	2722370000	2785100000	3
4,4'-DDE	3774980000	3611130000	3587930000	3472130000	3500730000	3589380000	3
4,4'-DDT	3259380000	3125810000	3123770000	3049470000	3051770000	3122040000	3
Aldrin	4596320000	4382320000	4371060000	4250500000	4372370000	4394520000	3
alpha-BHC	5243840000	4927900000	4847290000	4558490000	4305310000	4776570000	8
alpha-Chlordane	4076620000	3927960000	3953820000	3921900000	4151070000	4006270000	3
beta-BHC	1766090000	1717900000	1760360000	1812740000	1958690000	1803160000	5
Decachlorobiphenyl	3171750000	3154190000	3328750000	3504210000	3952750000	3422330000	10
delta-BHC	4581340000	4301280000	4227770000	4018060000	4002280000	4226150000	6
Dieldrin	4168640000	3995190000	3987890000	3911690000	3995230000	4011730000	2
Endosulfan I	3801350000	3677400000	3708760000	3706130000	3920970000	3762920000	3
Endosulfan II	3424800000	3321140000	3361490000	3381320000	3729210000	3443590000	5
Endosulfan sulfate	3185730000	3096410000	3144570000	3175940000	3412700000	3203070000	4
Endrin	3544350000	3400630000	3391880000	3322590000	3416420000	3415180000	2
Endrin aldehyde	2503120000	2458460000	2511530000	2573510000	2826400000	2574600000	6
Endrin ketone	3433620000	3341030000	3388420000	3397950000	3554790000	3423160000	2
gamma-BHC (Lindane)	4951240000	4675430000	4617130000	4438320000	4331460000	4602720000	5
gamma-Chlordane	4124290000	3949610000	3951400000	3878720000	4040730000	3988950000	2
Heptachlor	4681230000	4453430000	4445350000	4335710000	4440380000	4471220000	3
Heptachlor epoxide	4018350000	3865780000	3896760000	3892850000	4172720000	3969290000	3
Methoxychlor	1605530000	1584480000	1642420000	1697880000	1822460000	1670550000	6
Tetrachloro-m-xylene	2149340000	2072320000	2122010000	2161140000	2313950000	2163750000	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q2100 **SAS No.:** Q2100 **SDG NO.:** Q2100

Instrument ID: ECD_D **Calibration Date(s):** 05/19/2025 05/19/2025
Calibration Times: 11:31 12:25

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

LAB FILE ID:		CF 100 = <u>PD088586.D</u>		CF 075 = <u>PD088587.D</u>			
CF 050 = <u>PD088588.D</u>		CF 025 = <u>PD088589.D</u>		CF 005 = <u>PD088590.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	16063600000	16170400000	16726900000	17873500000	20127100000	17392300000	10
4,4'-DDE	19308600000	19422500000	20046800000	21437600000	24298000000	20902700000	10
4,4'-DDT	17279500000	17314500000	17782900000	18728300000	19581500000	18137300000	6
Aldrin	20429300000	20424000000	21187100000	22461000000	25147900000	21929900000	9
alpha-BHC	22814100000	22470400000	23262900000	24245000000	26726300000	23903700000	7
alpha-Chlordane	19049500000	19079200000	19770800000	21135500000	24089000000	20624800000	10
beta-BHC	8864520000	8872030000	9302460000	10011600000	11658900000	9741890000	12
Decachlorobiphenyl	16504300000	16618500000	17317300000	18707400000	22133900000	18256300000	13
delta-BHC	21126000000	20875000000	21573100000	22598000000	25298500000	22294100000	8
Dieldrin	19383000000	19454300000	20211700000	21634500000	24536100000	21043900000	10
Endosulfan I	17297300000	17455200000	18206500000	19567700000	22365500000	18978400000	11
Endosulfan II	16670500000	16849700000	17581300000	18878300000	21629100000	18321800000	11
Endosulfan sulfate	16098100000	16280100000	16999000000	18309500000	21092700000	17755900000	12
Endrin	17557800000	17708400000	18459500000	19851800000	22842600000	19284000000	11
Endrin aldehyde	12431500000	12681500000	13251800000	14445500000	16833500000	13928800000	13
Endrin ketone	17469300000	17778800000	18605700000	20062800000	22820400000	19347400000	11
gamma-BHC (Lindane)	21035300000	20781600000	21450400000	22534500000	25026800000	22165700000	8
gamma-Chlordane	19824600000	19800200000	20463700000	21793000000	24778500000	21332000000	10
Heptachlor	20762900000	20801500000	21647900000	23011300000	26050900000	22454900000	10
Heptachlor epoxide	18126800000	18251100000	19076900000	20442600000	23459100000	19871300000	11
Methoxychlor	8571980000	8801040000	9285240000	10058400000	11157300000	9574790000	11
Tetrachloro-m-xylene	14104900000	13970700000	14552300000	15457700000	17548700000	15126900000	10

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	6.24	6.14	6.34	26389700
		2	6.44	6.34	6.54	38119600
		3	7.15	7.05	7.25	72288300
		4	7.57	7.47	7.67	91412700
		5	7.93	7.83	8.03	52259600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Instrument ID: ECD_D Date(s) Analyzed: 05/19/2025 05/19/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Toxaphene	500	1	5.48	5.38	5.58	139231000
		2	5.65	5.55	5.75	94078800
		3	6.76	6.66	6.86	437083000
		4	7.20	7.10	7.30	311285000
		5	7.33	7.23	7.43	216975000

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 11:40 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 11:40 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.01
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PD088720.D Time Analyzed: 11:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.707	6.608	6.808	56.410	50.000	12.8
4,4'-DDE	6.198	6.098	6.298	50.920	50.000	1.8
4,4'-DDT	7.023	6.923	7.123	42.850	50.000	-14.3
Aldrin	5.273	5.173	5.373	53.560	50.000	7.1
alpha-BHC	4.001	3.900	4.100	55.320	50.000	10.6
alpha-Chlordane	6.029	5.930	6.130	51.970	50.000	3.9
beta-BHC	4.517	4.417	4.617	52.540	50.000	5.1
Decachlorobiphenyl	9.077	8.977	9.177	49.910	50.000	-0.2
delta-BHC	4.766	4.666	4.866	57.170	50.000	14.3
Dieldrin	6.349	6.250	6.450	51.790	50.000	3.6
Endosulfan I	6.076	5.977	6.177	51.680	50.000	3.4
Endosulfan II	6.789	6.688	6.888	50.870	50.000	1.7
Endosulfan sulfate	7.152	7.052	7.252	49.160	50.000	-1.7
Endrin	6.575	6.477	6.677	49.640	50.000	-0.7
Endrin aldehyde	6.916	6.817	7.017	46.320	50.000	-7.4
Endrin ketone	7.632	7.533	7.733	49.560	50.000	-0.9
gamma-BHC (Lindane)	4.332	4.232	4.432	54.390	50.000	8.8
gamma-Chlordane	5.948	5.848	6.048	52.300	50.000	4.6
Heptachlor	4.931	4.832	5.032	52.660	50.000	5.3
Heptachlor epoxide	5.693	5.593	5.793	52.220	50.000	4.4
Methoxychlor	7.495	7.395	7.595	42.510	50.000	-15.0
Tetrachloro-m-xylene	3.551	3.451	3.651	54.790	50.000	9.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL01 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PD088720.D Time Analyzed: 11:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.931	5.833	6.033	50.560	50.000	1.1
4,4'-DDE	5.375	5.278	5.478	48.410	50.000	-3.2
4,4'-DDT	6.185	6.087	6.287	41.670	50.000	-16.7
Aldrin	4.369	4.271	4.471	51.080	50.000	2.2
alpha-BHC	3.394	3.294	3.494	52.800	50.000	5.6
alpha-Chlordane	5.192	5.094	5.294	49.090	50.000	-1.8
beta-BHC	4.026	3.927	4.127	50.280	50.000	0.6
Decachlorobiphenyl	8.074	7.977	8.177	45.050	50.000	-9.9
delta-BHC	4.263	4.164	4.364	51.650	50.000	3.3
Dieldrin	5.514	5.416	5.616	49.050	50.000	-1.9
Endosulfan I	5.248	5.150	5.350	44.660	50.000	-10.7
Endosulfan II	6.082	5.984	6.184	47.290	50.000	-5.4
Endosulfan sulfate	6.484	6.386	6.586	46.140	50.000	-7.7
Endrin	5.790	5.692	5.892	48.040	50.000	-3.9
Endrin aldehyde	6.260	6.162	6.362	44.580	50.000	-10.8
Endrin ketone	6.993	6.895	7.095	45.570	50.000	-8.9
gamma-BHC (Lindane)	3.731	3.631	3.831	51.950	50.000	3.9
gamma-Chlordane	5.127	5.029	5.229	49.630	50.000	-0.7
Heptachlor	4.084	3.985	4.185	49.830	50.000	-0.3
Heptachlor epoxide	4.874	4.775	4.975	49.900	50.000	-0.2
Methoxychlor	6.756	6.658	6.858	40.980	50.000	-18.0
Tetrachloro-m-xylene	2.882	2.782	2.982	53.980	50.000	8.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 17:39 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.77	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Continuing Calib Date: 05/22/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 17:39 Initial Calibration Time(s): 11:31 12:25

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.39	3.39	3.29	3.49	0.00
beta-BHC	4.03	4.03	3.93	4.13	0.00
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	4.09	3.99	4.19	0.01
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.51	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PD088733.D Time Analyzed: 17:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	6.707	6.608	6.808	56.660	50.000	13.3
4,4'-DDE	6.198	6.098	6.298	50.690	50.000	1.4
4,4'-DDT	7.023	6.923	7.123	42.780	50.000	-14.4
Aldrin	5.273	5.173	5.373	57.200	50.000	14.4
alpha-BHC	3.999	3.900	4.100	59.800	50.000	19.6
alpha-Chlordane	6.029	5.930	6.130	53.120	50.000	6.2
beta-BHC	4.516	4.417	4.617	56.100	50.000	12.2
Decachlorobiphenyl	9.078	8.977	9.177	51.560	50.000	3.1
delta-BHC	4.765	4.666	4.866	61.300	50.000	22.6
Dieldrin	6.349	6.250	6.450	52.170	50.000	4.3
Endosulfan I	6.076	5.977	6.177	52.930	50.000	5.9
Endosulfan II	6.788	6.688	6.888	50.260	50.000	0.5
Endosulfan sulfate	7.152	7.052	7.252	47.820	50.000	-4.4
Endrin	6.575	6.477	6.677	51.430	50.000	2.9
Endrin aldehyde	6.917	6.817	7.017	48.240	50.000	-3.5
Endrin ketone	7.632	7.533	7.733	49.160	50.000	-1.7
gamma-BHC (Lindane)	4.331	4.232	4.432	58.430	50.000	16.9
gamma-Chlordane	5.947	5.848	6.048	53.490	50.000	7.0
Heptachlor	4.931	4.832	5.032	56.620	50.000	13.2
Heptachlor epoxide	5.692	5.593	5.793	54.000	50.000	8.0
Methoxychlor	7.496	7.395	7.595	42.370	50.000	-15.3
Tetrachloro-m-xylene	3.551	3.451	3.651	58.280	50.000	16.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No.: CCAL02 Date Analyzed: 05/22/2025

Lab Sample No.: PSTDCCC050 Data File : PD088733.D Time Analyzed: 17:39

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
4,4'-DDD	5.931	5.833	6.033	51.260	50.000	2.5
4,4'-DDE	5.375	5.278	5.478	50.960	50.000	1.9
4,4'-DDT	6.186	6.087	6.287	41.630	50.000	-16.7
Aldrin	4.368	4.271	4.471	54.460	50.000	8.9
alpha-BHC	3.394	3.294	3.494	56.540	50.000	13.1
alpha-Chlordane	5.191	5.094	5.294	51.670	50.000	3.3
beta-BHC	4.026	3.927	4.127	52.610	50.000	5.2
Decachlorobiphenyl	8.074	7.977	8.177	40.400	50.000	-19.2
delta-BHC	4.263	4.164	4.364	54.610	50.000	9.2
Dieldrin	5.514	5.416	5.616	50.340	50.000	0.7
Endosulfan I	5.247	5.150	5.350	44.260	50.000	-11.5
Endosulfan II	6.081	5.984	6.184	48.550	50.000	-2.9
Endosulfan sulfate	6.484	6.386	6.586	46.280	50.000	-7.4
Endrin	5.791	5.692	5.892	51.630	50.000	3.3
Endrin aldehyde	6.260	6.162	6.362	45.820	50.000	-8.4
Endrin ketone	6.992	6.895	7.095	45.000	50.000	-10.0
gamma-BHC (Lindane)	3.730	3.631	3.831	55.800	50.000	11.6
gamma-Chlordane	5.127	5.029	5.229	52.540	50.000	5.1
Heptachlor	4.084	3.985	4.185	53.360	50.000	6.7
Heptachlor epoxide	4.873	4.775	4.975	52.690	50.000	5.4
Methoxychlor	6.756	6.658	6.858	40.340	50.000	-19.3
Tetrachloro-m-xylene	2.881	2.782	2.982	56.290	50.000	12.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088584.D Date Analyzed: 05/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.076	8.980	9.180	21.510	20.000	7.6
Tetrachloro-m-xylene	3.550	3.500	3.600	19.960	20.000	-0.2
alpha-BHC	3.999	3.950	4.050	9.120	10.000	-8.8
beta-BHC	4.516	4.470	4.570	10.260	10.000	2.6
gamma-BHC (Lindane)	4.331	4.280	4.380	9.460	10.000	-5.4
Endrin	6.576	6.510	6.650	50.860	50.000	1.7
4,4'-DDT	7.023	6.950	7.090	101.210	100.000	1.2
Methoxychlor	7.495	7.420	7.570	234.710	250.000	-6.1

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088584.D Date Analyzed: 05/19/2025

Lab Sample No.(PEM): PEM Time Analyzed: 11:04

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.076	7.980	8.180	20.960	20.000	4.8
Tetrachloro-m-xylene	2.881	2.830	2.930	20.340	20.000	1.7
alpha-BHC	3.394	3.340	3.440	10.570	10.000	5.7
beta-BHC	4.027	3.980	4.080	10.990	10.000	9.9
gamma-BHC (Lindane)	3.731	3.680	3.780	10.670	10.000	6.7
Endrin	5.792	5.720	5.860	48.470	50.000	-3.1
4,4'-DDT	6.186	6.120	6.260	95.100	100.000	-4.9
Methoxychlor	6.757	6.690	6.830	195.630	250.000	-21.7

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088716.D Date Analyzed: 05/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:12

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.082	8.980	9.180	21.750	20.000	8.8
Tetrachloro-m-xylene	3.556	3.510	3.610	21.790	20.000	9.0
alpha-BHC	4.005	3.950	4.060	9.940	10.000	-0.6
beta-BHC	4.521	4.470	4.570	11.330	10.000	13.3
gamma-BHC (Lindane)	4.336	4.290	4.390	10.140	10.000	1.4
Endrin	6.581	6.510	6.650	50.640	50.000	1.3
4,4'-DDT	7.029	6.960	7.100	83.460	100.000	-16.5
Methoxychlor	7.500	7.430	7.570	198.300	250.000	-20.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 05/19/2025 05/19/2025

Client Sample No. (PEM): PEM - PD088716.D Date Analyzed: 05/22/2025

Lab Sample No.(PEM): PEM Time Analyzed: 10:12

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.076	7.980	8.180	20.130	20.000	0.7
Tetrachloro-m-xylene	2.881	2.830	2.930	22.240	20.000	11.2
alpha-BHC	3.394	3.340	3.440	11.420	10.000	14.2
beta-BHC	4.026	3.980	4.080	11.630	10.000	16.3
gamma-BHC (Lindane)	3.731	3.680	3.780	11.410	10.000	14.1
Endrin	5.791	5.720	5.860	48.230	50.000	-3.5
4,4'-DDT	6.187	6.120	6.260	79.120	100.000	-20.9
Methoxychlor	6.758	6.690	6.830	166.080	250.000	-33.6

Analytical Sequence

Client: CDM Smith	SDG No.: Q2100
Project: South River WM Replacement	Instrument ID: ECD_D
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 05/19/2025 05/19/2025

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 #
LBLK	LBLK	05/19/2025	10:50	PD088583.D	9.08	3.55
PEM	PEM	05/19/2025	11:04	PD088584.D	9.08	3.55
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	9.08	3.55
PSTDICC100	PSTDICC100	05/19/2025	11:31	PD088586.D	9.08	3.55
PSTDICC075	PSTDICC075	05/19/2025	11:45	PD088587.D	9.08	3.55
PSTDICC050	PSTDICC050	05/19/2025	11:58	PD088588.D	9.08	3.55
PSTDICC025	PSTDICC025	05/19/2025	12:12	PD088589.D	9.08	3.55
PSTDICC005	PSTDICC005	05/19/2025	12:25	PD088590.D	9.08	3.55
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	9.08	3.55
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	9.08	3.55
PEM	PEM	05/22/2025	10:12	PD088716.D	9.08	3.56
LBLK	LBLK	05/22/2025	11:26	PD088719.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/22/2025	11:40	PD088720.D	9.08	3.55
PB168125BL	PB168125BL	05/22/2025	13:48	PD088721.D	9.09	3.56
PB168125BS	PB168125BS	05/22/2025	14:23	PD088722.D	9.09	3.56
TP-16	Q2100-01	05/22/2025	14:51	PD088723.D	9.09	3.56
TP-22	Q2100-02	05/22/2025	15:05	PD088724.D	9.08	3.55
TP-21	Q2100-03	05/22/2025	15:18	PD088725.D	9.08	3.55
TP-45	Q2100-04	05/22/2025	15:32	PD088726.D	9.08	3.55
TP-45MS	Q2100-04MS	05/22/2025	15:46	PD088727.D	9.08	3.55
TP-45MSD	Q2100-04MSD	05/22/2025	15:59	PD088728.D	9.08	3.55
LBLK	LBLK	05/22/2025	16:54	PD088732.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/22/2025	17:39	PD088733.D	9.08	3.55

Analytical Sequence

Client: CDM Smith	SDG No.: Q2100
Project: South River WM Replacement	Instrument ID: ECD_D
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 05/19/2025 05/19/2025

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 #
LBLK	LBLK	05/19/2025	10:50	PD088583.D	8.08	2.88
PEM	PEM	05/19/2025	11:04	PD088584.D	8.08	2.88
RESCHK	RESCHK	05/19/2025	11:17	PD088585.D	8.08	2.88
PSTDICC100	PSTDICC100	05/19/2025	11:31	PD088586.D	8.08	2.88
PSTDICC075	PSTDICC075	05/19/2025	11:45	PD088587.D	8.08	2.88
PSTDICC050	PSTDICC050	05/19/2025	11:58	PD088588.D	8.08	2.88
PSTDICC025	PSTDICC025	05/19/2025	12:12	PD088589.D	8.08	2.88
PSTDICC005	PSTDICC005	05/19/2025	12:25	PD088590.D	8.08	2.88
PCHLORICC500	PCHLORICC500	05/19/2025	13:06	PD088593.D	8.08	2.88
PTOXICC500	PTOXICC500	05/19/2025	14:14	PD088598.D	8.08	2.88
PEM	PEM	05/22/2025	10:12	PD088716.D	8.08	2.88
LBLK	LBLK	05/22/2025	11:26	PD088719.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/22/2025	11:40	PD088720.D	8.07	2.88
PB168125BL	PB168125BL	05/22/2025	13:48	PD088721.D	8.08	2.88
PB168125BS	PB168125BS	05/22/2025	14:23	PD088722.D	8.08	2.88
TP-16	Q2100-01	05/22/2025	14:51	PD088723.D	8.08	2.88
TP-22	Q2100-02	05/22/2025	15:05	PD088724.D	8.07	2.88
TP-21	Q2100-03	05/22/2025	15:18	PD088725.D	8.08	2.88
TP-45	Q2100-04	05/22/2025	15:32	PD088726.D	8.08	2.88
TP-45MS	Q2100-04MS	05/22/2025	15:46	PD088727.D	8.08	2.88
TP-45MSD	Q2100-04MSD	05/22/2025	15:59	PD088728.D	8.08	2.88
LBLK	LBLK	05/22/2025	16:54	PD088732.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/22/2025	17:39	PD088733.D	8.07	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168125BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2100

SAS No.: Q2100

SDG NO.: Q2100

Lab Sample ID: PB168125BS

Date(s) Analyzed: 05/22/2025

05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.80	6.75	6.85	17.0	4.2
	2	6.08	6.03	6.13	16.3	
4,4'-DDD	1	6.71	6.66	6.76	20.0	11.6
	2	5.93	5.88	5.98	17.8	
4,4'-DDT	1	7.03	6.98	7.08	13.2	1.5
	2	6.19	6.14	6.24	13.4	
Endrin aldehyde	1	6.92	6.87	6.97	16.4	3.7
	2	6.26	6.21	6.31	15.8	
Endosulfan sulfate	1	7.16	7.11	7.21	16.5	5
	2	6.49	6.44	6.54	15.7	
Methoxychlor	1	7.50	7.45	7.55	13.6	0.7
	2	6.76	6.71	6.81	13.5	
Endrin ketone	1	7.64	7.59	7.69	16.9	5.5
	2	6.99	6.94	7.04	16.0	
alpha-BHC	1	4.01	3.96	4.06	16.9	1.2
	2	3.39	3.34	3.44	16.7	
gamma-BHC (Lindane)	1	4.34	4.29	4.39	17.0	1.8
	2	3.73	3.68	3.78	16.7	
Heptachlor	1	4.94	4.89	4.99	16.8	4.3
	2	4.08	4.03	4.13	16.1	
Aldrin	1	5.28	5.23	5.33	17.3	3.5
	2	4.37	4.32	4.42	16.7	
beta-BHC	1	4.52	4.47	4.57	16.6	0
	2	4.03	3.98	4.08	16.6	
delta-BHC	1	4.77	4.72	4.82	16.9	6.1
	2	4.26	4.21	4.31	15.9	
Heptachlor epoxide	1	5.70	5.65	5.75	17.1	3
	2	4.88	4.83	4.93	16.6	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB168125BS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2100

SAS No.: Q2100

SDG NO.: Q2100

Lab Sample ID: PB168125BS

Date(s) Analyzed: 05/22/2025

05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.08	6.03	6.13	17.2	13.7
	2	5.25	5.20	5.30	15.0	
gamma-Chlordane	1	5.96	5.91	6.01	17.3	4.1
	2	5.13	5.08	5.18	16.6	
alpha-Chlordane	1	6.04	5.99	6.09	17.2	4.2
	2	5.19	5.14	5.24	16.5	
4,4'-DDE	1	6.21	6.16	6.26	17.1	3.6
	2	5.38	5.33	5.43	16.5	
Dieldrin	1	6.36	6.31	6.41	17.3	4.1
	2	5.52	5.47	5.57	16.6	
Endrin	1	6.59	6.54	6.64	16.8	4.9
	2	5.79	5.74	5.84	16.0	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-21

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100 SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-03 Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_D Instrument ID (2): ECD_D

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		
alpha-Chlordane	1	6.03	5.98	6.08	0.34	48.8
	2	5.19	5.14	5.24	0.20	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-45MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-04MS

Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.79	6.74	6.84	21.3	3.3
	2	6.08	6.03	6.13	20.6	
4,4'-DDD	1	6.71	6.66	6.76	24.3	10.8
	2	5.93	5.88	5.98	21.8	
4,4'-DDT	1	7.02	6.97	7.07	17.0	1.8
	2	6.19	6.14	6.24	16.7	
Endrin aldehyde	1	6.92	6.87	6.97	20.9	4.9
	2	6.26	6.21	6.31	19.9	
Endosulfan sulfate	1	7.15	7.10	7.20	20.8	3.4
	2	6.48	6.43	6.53	20.1	
Methoxychlor	1	7.50	7.45	7.55	16.8	0.6
	2	6.76	6.71	6.81	16.9	
Endrin ketone	1	7.63	7.58	7.68	21.3	5.3
	2	6.99	6.94	7.04	20.2	
alpha-BHC	1	4.00	3.95	4.05	22.6	2.2
	2	3.39	3.34	3.44	22.1	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	22.4	2.7
	2	3.73	3.68	3.78	21.8	
Heptachlor	1	4.93	4.88	4.98	21.7	4.2
	2	4.08	4.03	4.13	20.8	
Aldrin	1	5.27	5.22	5.32	22.5	3.2
	2	4.37	4.32	4.42	21.8	
beta-BHC	1	4.52	4.47	4.57	21.6	2.7
	2	4.03	3.98	4.08	22.2	
delta-BHC	1	4.77	4.72	4.82	24.1	9.6
	2	4.26	4.21	4.31	21.9	
Heptachlor epoxide	1	5.69	5.64	5.74	22.1	3.7
	2	4.87	4.82	4.92	21.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-45MS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-04MS

Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.08	6.03	6.13	21.9	3.7
	2	5.25	5.20	5.30	21.1	
gamma-Chlordane	1	5.95	5.90	6.00	22.0	3.2
	2	5.13	5.08	5.18	21.3	
alpha-Chlordane	1	6.03	5.98	6.08	21.9	2.8
	2	5.19	5.14	5.24	21.3	
4,4'-DDE	1	6.20	6.15	6.25	21.9	4.7
	2	5.38	5.33	5.43	20.9	
Dieldrin	1	6.35	6.30	6.40	22.0	4.2
	2	5.51	5.46	5.56	21.1	
Endrin	1	6.58	6.53	6.63	21.1	3.9
	2	5.79	5.74	5.84	20.3	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-45MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-04MSD

Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.79	6.74	6.84	22.0	3.7
	2	6.08	6.03	6.13	21.2	
4,4'-DDD	1	6.71	6.66	6.76	24.8	12.4
	2	5.93	5.88	5.98	21.9	
4,4'-DDT	1	7.02	6.97	7.07	18.4	1.6
	2	6.19	6.14	6.24	18.1	
Endrin aldehyde	1	6.92	6.87	6.97	21.5	3.8
	2	6.26	6.21	6.31	20.7	
Endosulfan sulfate	1	7.15	7.10	7.20	21.9	5.6
	2	6.48	6.43	6.53	20.7	
Methoxychlor	1	7.50	7.45	7.55	17.9	3.4
	2	6.76	6.71	6.81	17.3	
Endrin ketone	1	7.63	7.58	7.68	21.9	4.5
	2	6.99	6.94	7.04	22.9	
alpha-BHC	1	4.00	3.95	4.05	23.0	2.2
	2	3.39	3.34	3.44	22.5	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	23.0	3.1
	2	3.73	3.68	3.78	22.3	
Heptachlor	1	4.93	4.88	4.98	22.2	4.1
	2	4.08	4.03	4.13	21.3	
Aldrin	1	5.27	5.22	5.32	23.0	4
	2	4.37	4.32	4.42	22.1	
beta-BHC	1	4.52	4.47	4.57	22.2	2.2
	2	4.03	3.98	4.08	22.7	
delta-BHC	1	4.77	4.72	4.82	24.7	10.2
	2	4.26	4.21	4.31	22.3	
Heptachlor epoxide	1	5.69	5.64	5.74	22.6	3.6
	2	4.87	4.82	4.92	21.8	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TP-45MSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2100

SAS No.: Q2100 SDG NO.: Q2100

Lab Sample ID: Q2100-04MSD

Date(s) Analyzed: 05/22/2025 05/22/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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	6.08	6.03	6.13	22.5	4.5
	2	5.25	5.20	5.30	21.5	
gamma-Chlordane	1	5.95	5.90	6.00	22.5	3.2
	2	5.13	5.08	5.18	21.8	
alpha-Chlordane	1	6.03	5.98	6.08	22.5	3.6
	2	5.19	5.14	5.24	21.7	
4,4'-DDE	1	6.20	6.15	6.25	22.6	6.4
	2	5.38	5.33	5.43	21.2	
Dieldrin	1	6.35	6.30	6.40	22.5	3.6
	2	5.51	5.46	5.56	21.7	
Endrin	1	6.58	6.53	6.63	21.9	4.7
	2	5.79	5.74	5.84	20.9	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088723.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 14:51
 Operator : AR\AJ
 Sample : Q2100-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-16

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:43:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.558	2.880	37488939	266.6E6	17.326	17.623
28) SA Decachlor...	9.087	8.078	44815911	221.2E6	13.095	12.117

Target Compounds

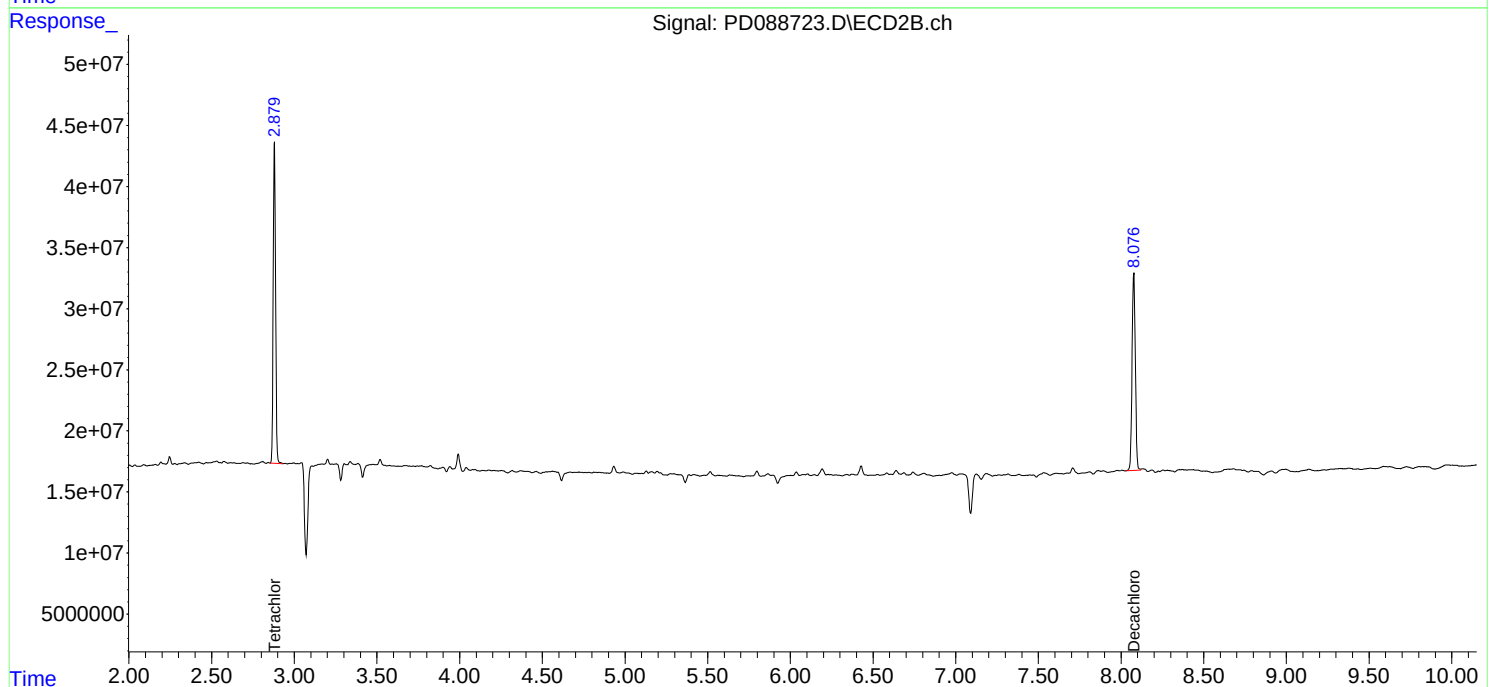
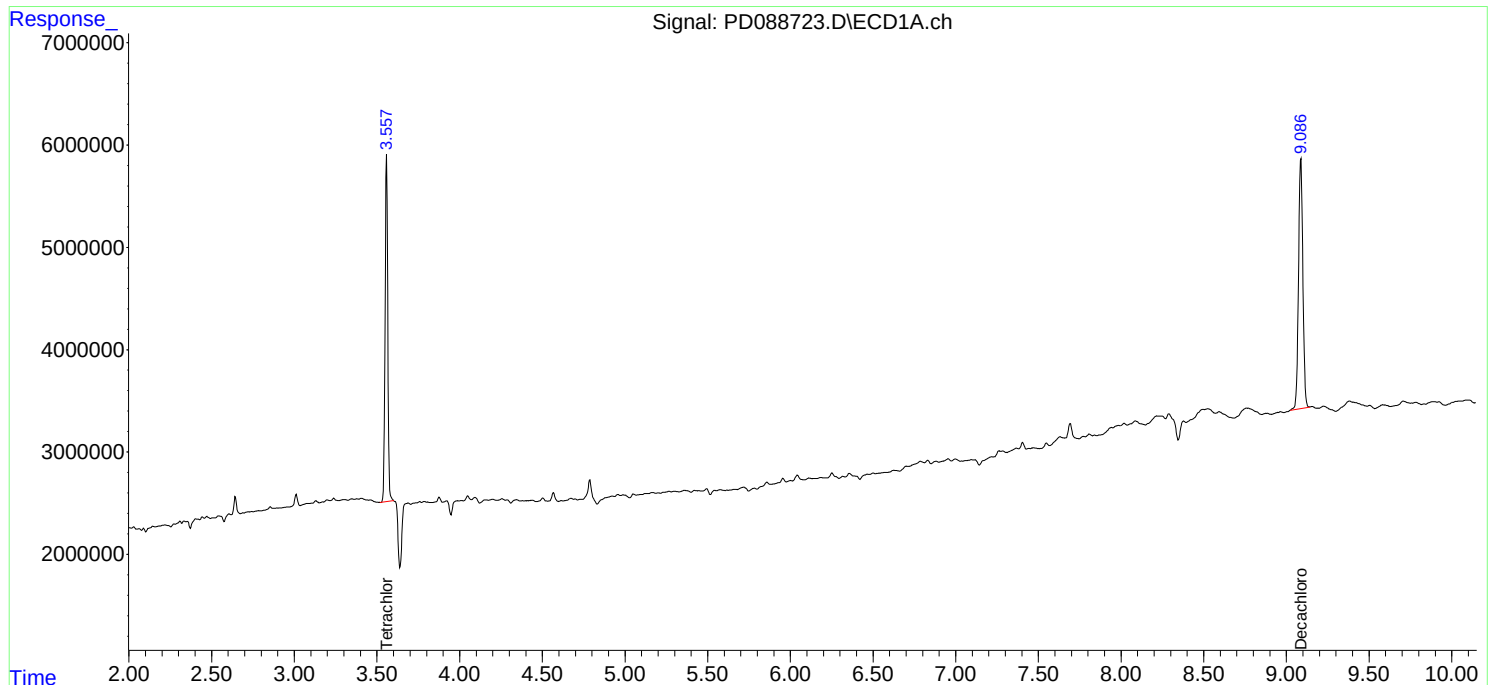
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

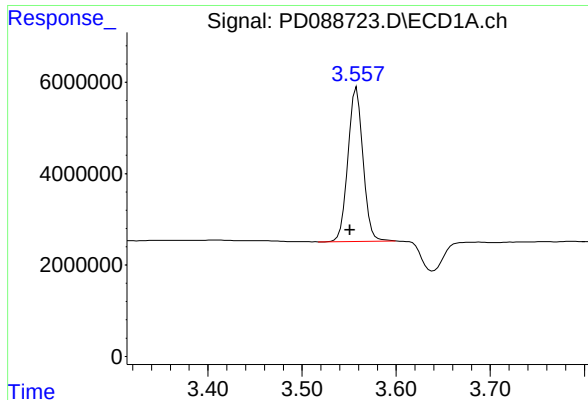
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088723.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 14:51
Operator : AR\AJ
Sample : Q2100-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-16

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:43:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

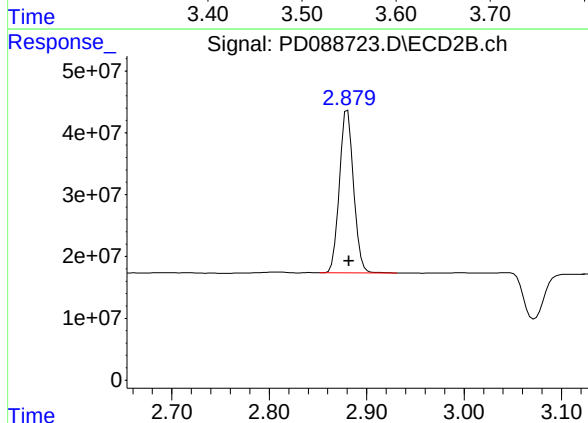




#1 Tetrachloro-m-xylene

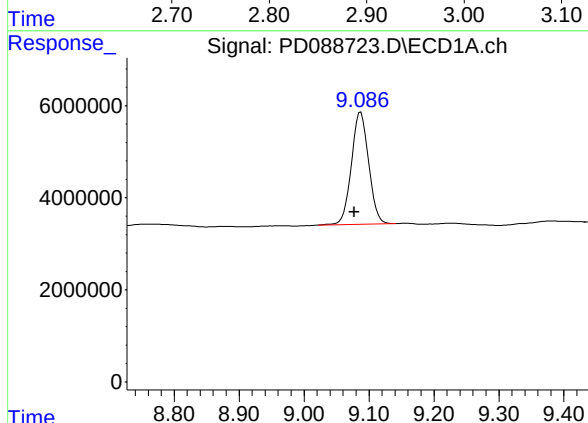
R.T.: 3.558 min
Delta R.T.: 0.007 min
Response: 37488939
Conc: 17.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-16



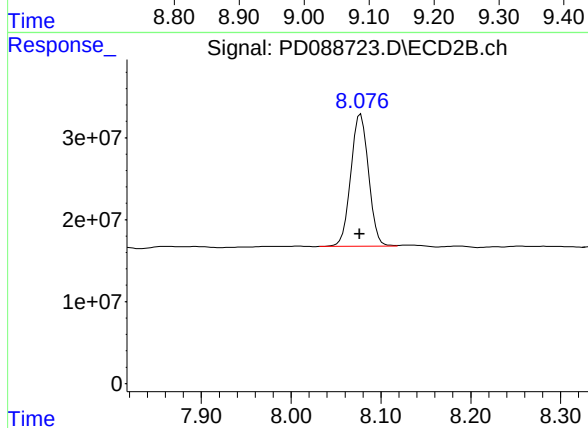
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 266583135
Conc: 17.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.010 min
Response: 44815911
Conc: 13.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: 0.001 min
Response: 221219629
Conc: 12.12 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088724.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:05
 Operator : AR\AJ
 Sample : Q2100-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-22

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:44:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.881	38371043	275.6E6	17.734	18.219
28) SA Decachlor...	9.079	8.074	53079721	258.0E6	15.510	14.130

Target Compounds

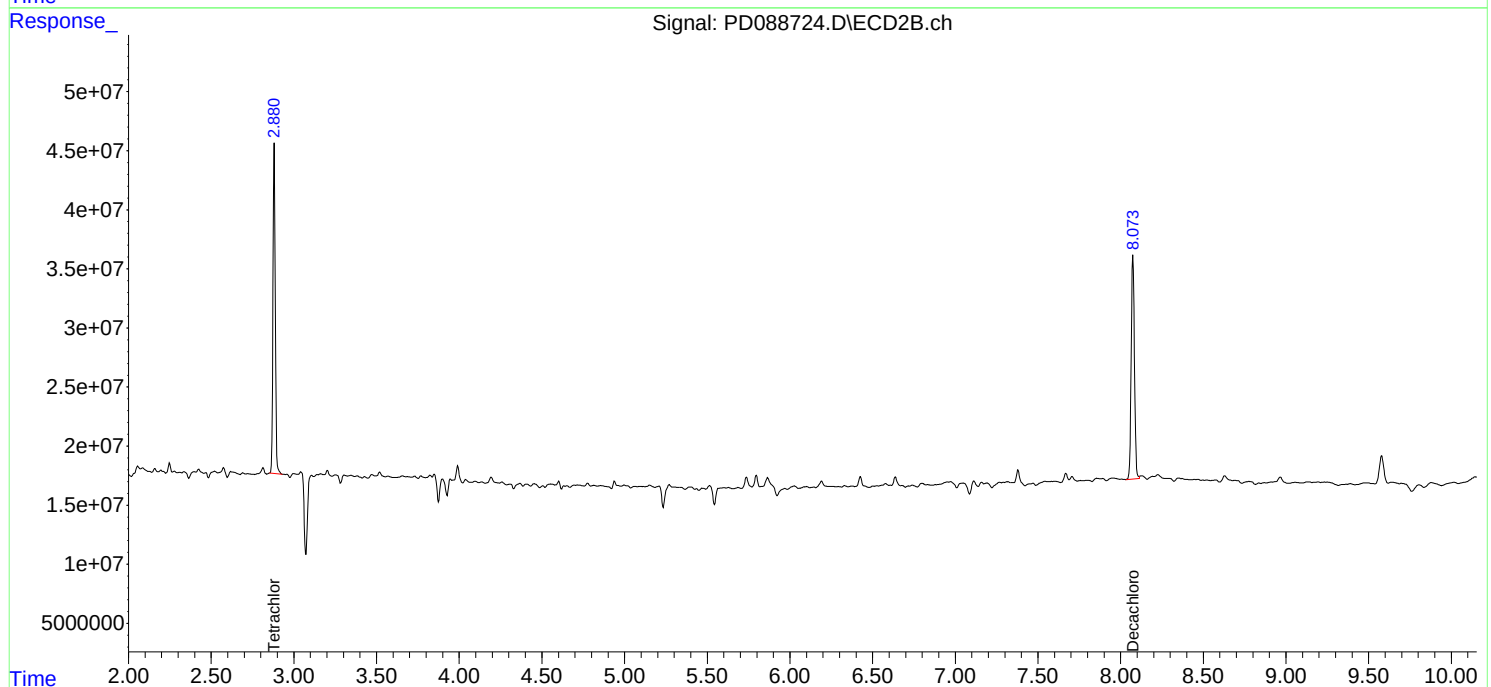
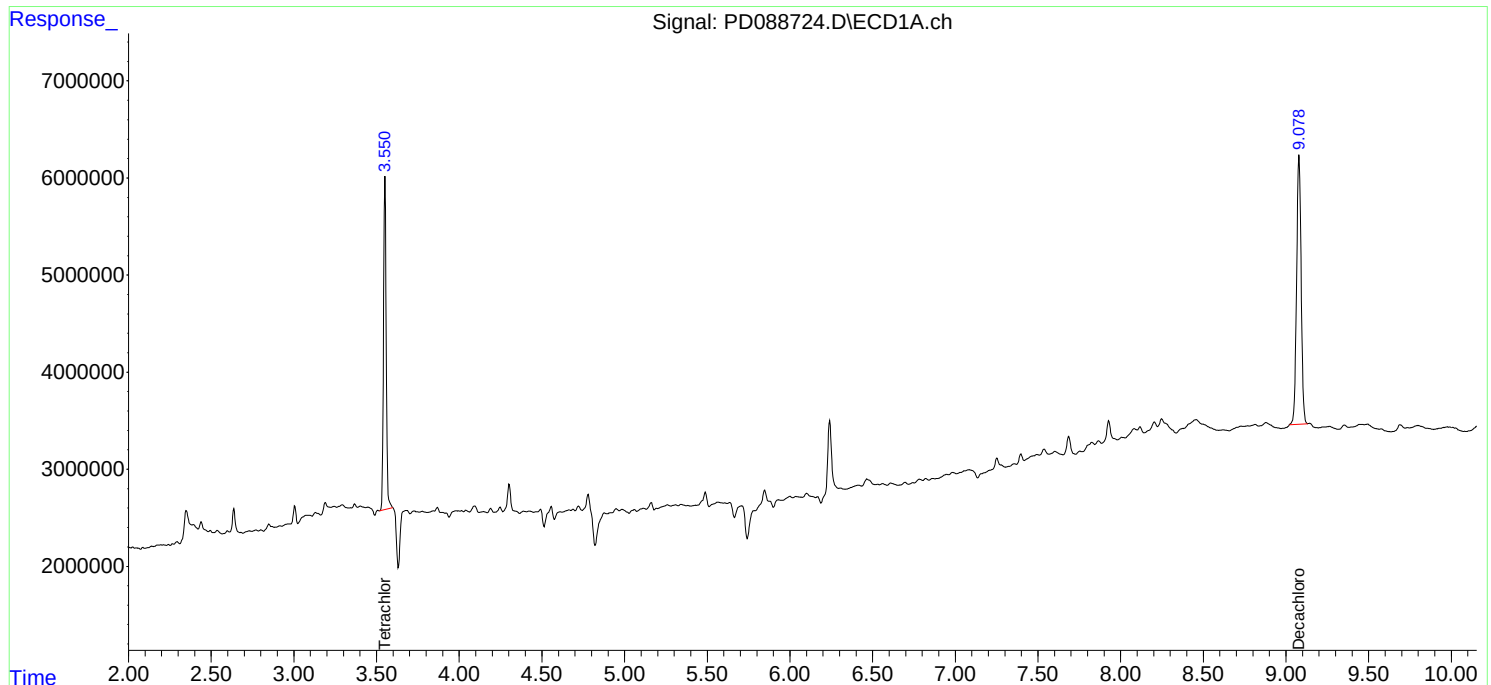
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

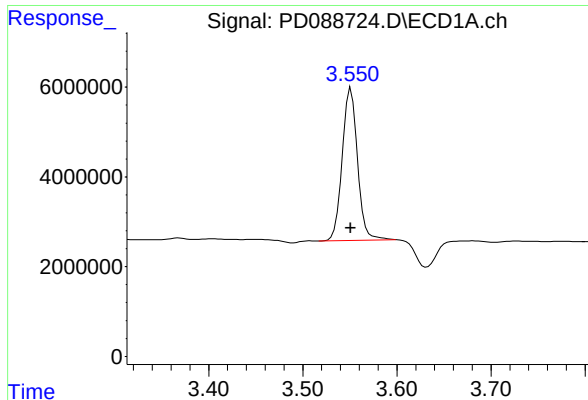
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088724.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:05
Operator : AR\AJ
Sample : Q2100-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-22

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:44:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

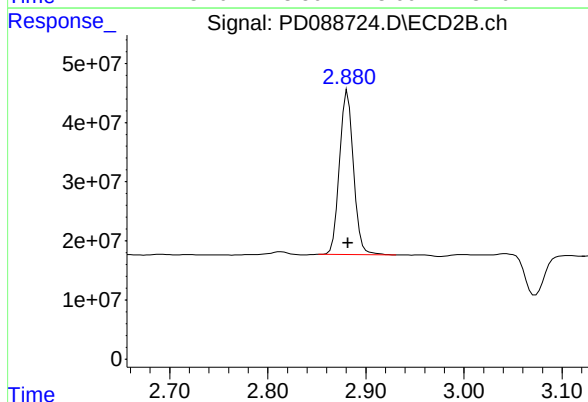




#1 Tetrachloro-m-xylene

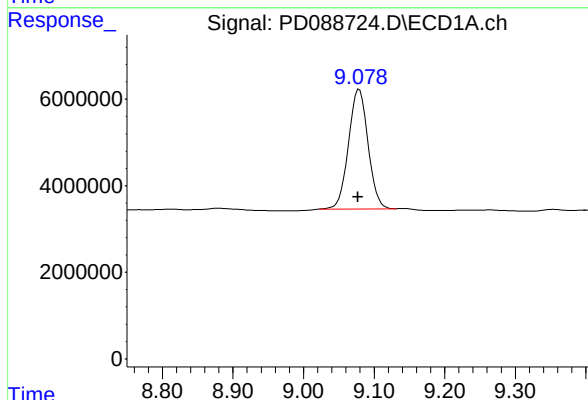
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38371043
Conc: 17.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-22



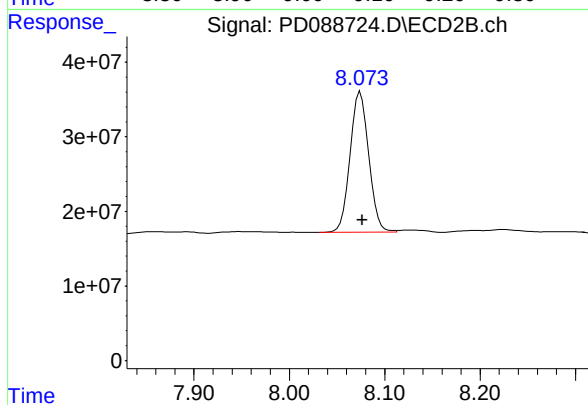
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 275601497
Conc: 18.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.002 min
Response: 53079721
Conc: 15.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 257963432
Conc: 14.13 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088725.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:18
 Operator : AR\AJ
 Sample : Q2100-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-21

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/23/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:44:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.881	27947734	202.5E6	12.916	13.389
28) SA Decachlor...	9.078	8.075	41809763	201.3E6	12.217	11.025
Target Compounds						
10) B gamma-Chl...	5.946	5.126	1674123	8352104	0.420m	0.392m
11) B alpha-Chl...	6.031	5.190	3149090	9853152	0.786m	0.478m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088725.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:18
Operator : AR\AJ
Sample : Q2100-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-21

Manual Integrations

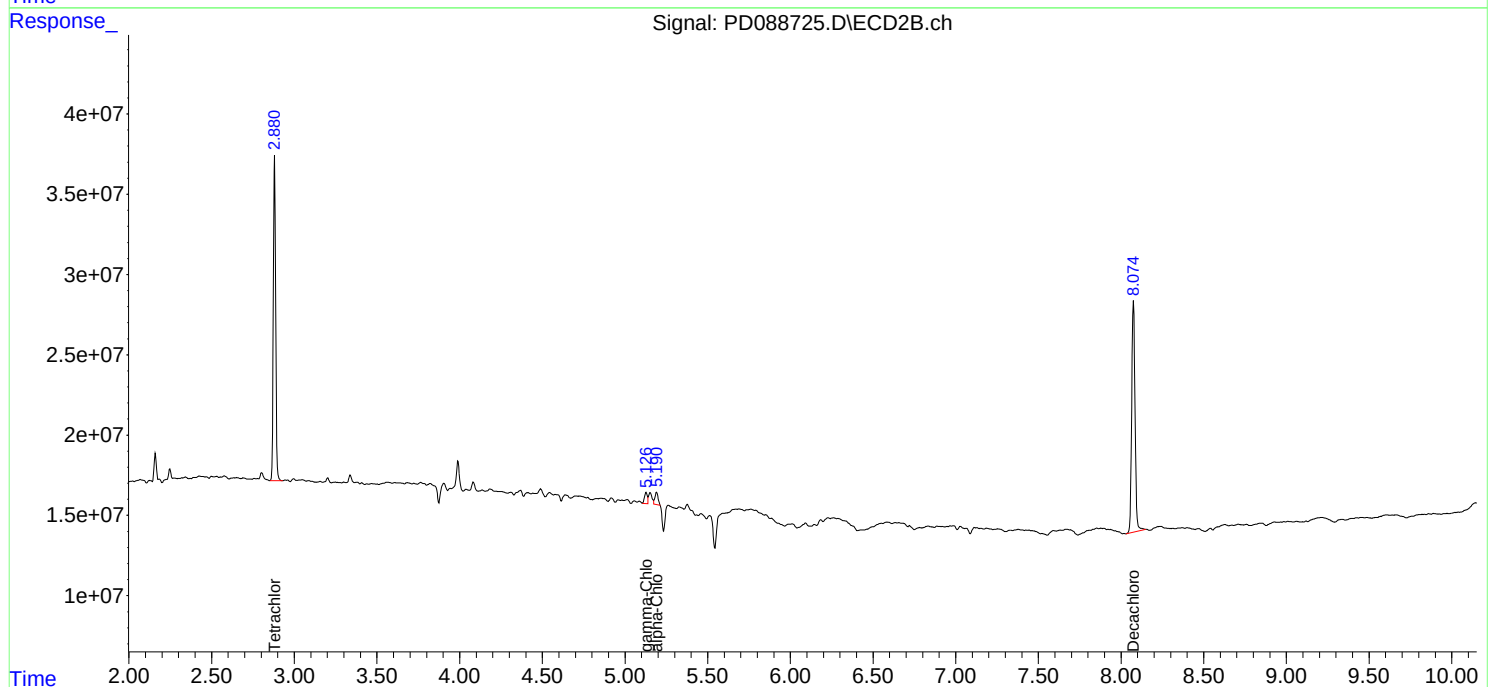
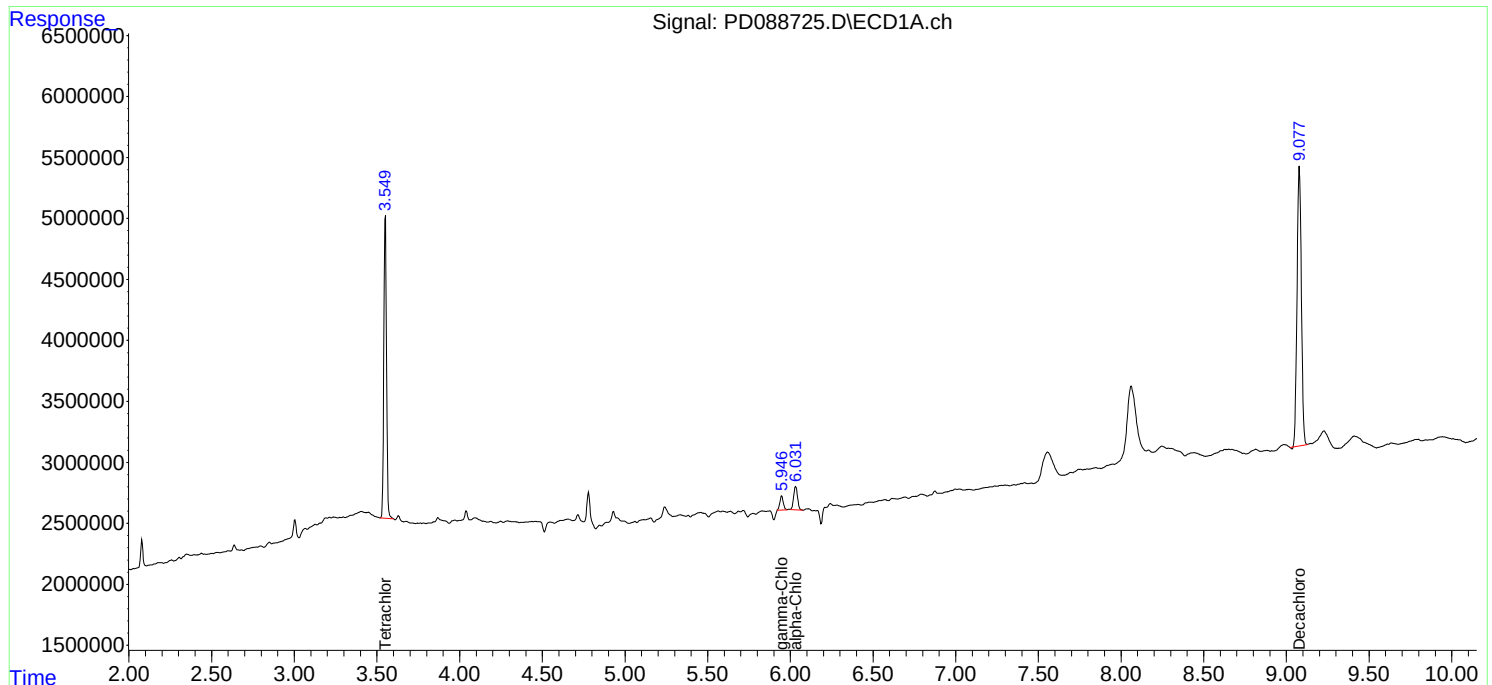
APPROVED

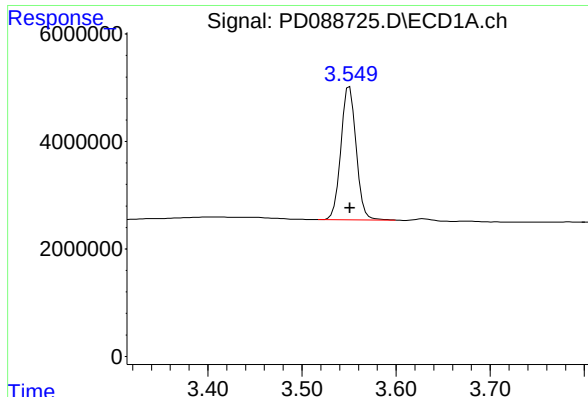
Reviewed By :Abdul Mirza 05/23/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:44:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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





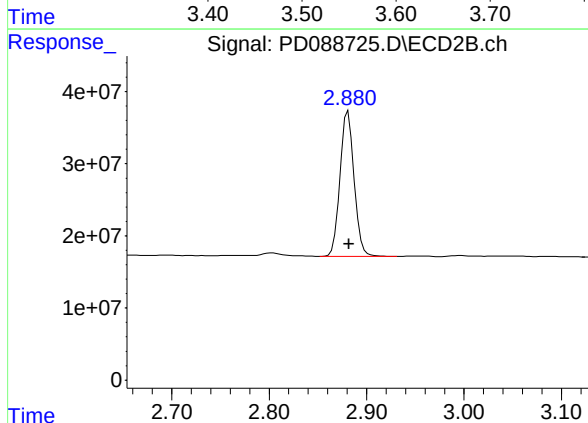
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 27947734
Conc: 12.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-21

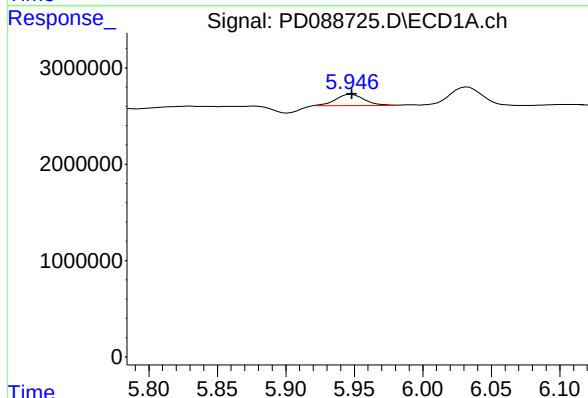
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/28/2025



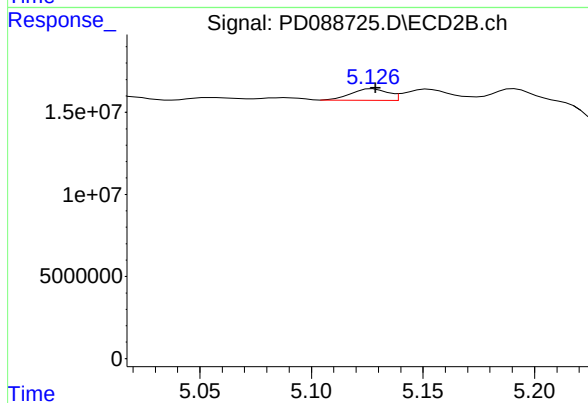
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 202534889
Conc: 13.39 ng/ml



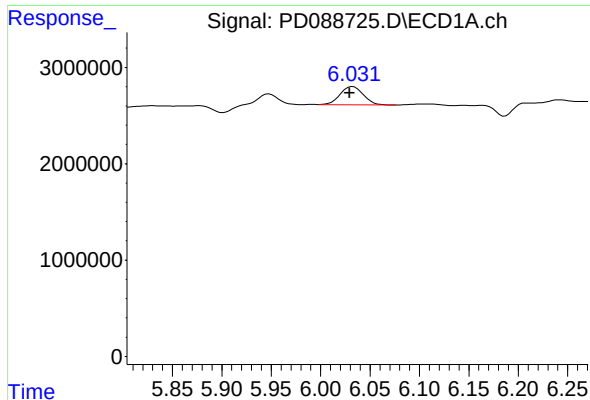
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 1674123
Conc: 0.42 ng/ml m



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: -0.002 min
Response: 8352104
Conc: 0.39 ng/ml m



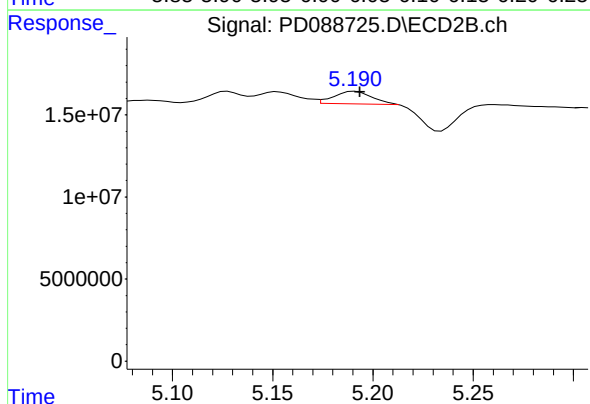
#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.001 min
Response: 3149090
Conc: 0.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-21

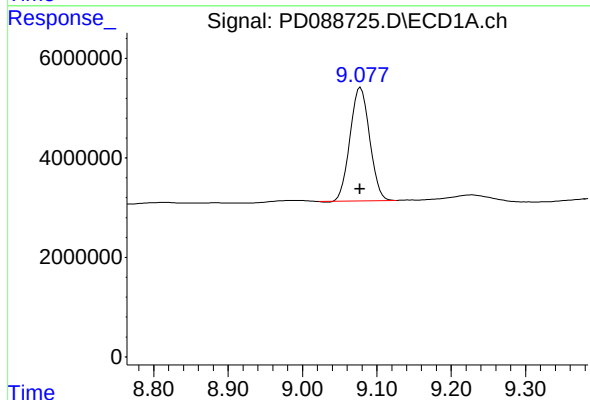
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/23/2025
Supervised By :mohammad ahmed 05/28/2025



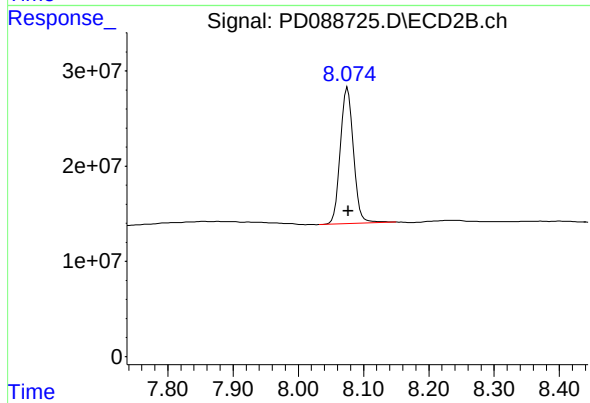
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 9853152
Conc: 0.48 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.000 min
Response: 41809763
Conc: 12.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 201279229
Conc: 11.03 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088726.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:32
 Operator : AR\AJ
 Sample : Q2100-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-45

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:44:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	37530654	269.9E6	17.345	17.843
28) SA Decachlor...	9.077	8.075	53692905	255.9E6	15.689	14.019

Target Compounds

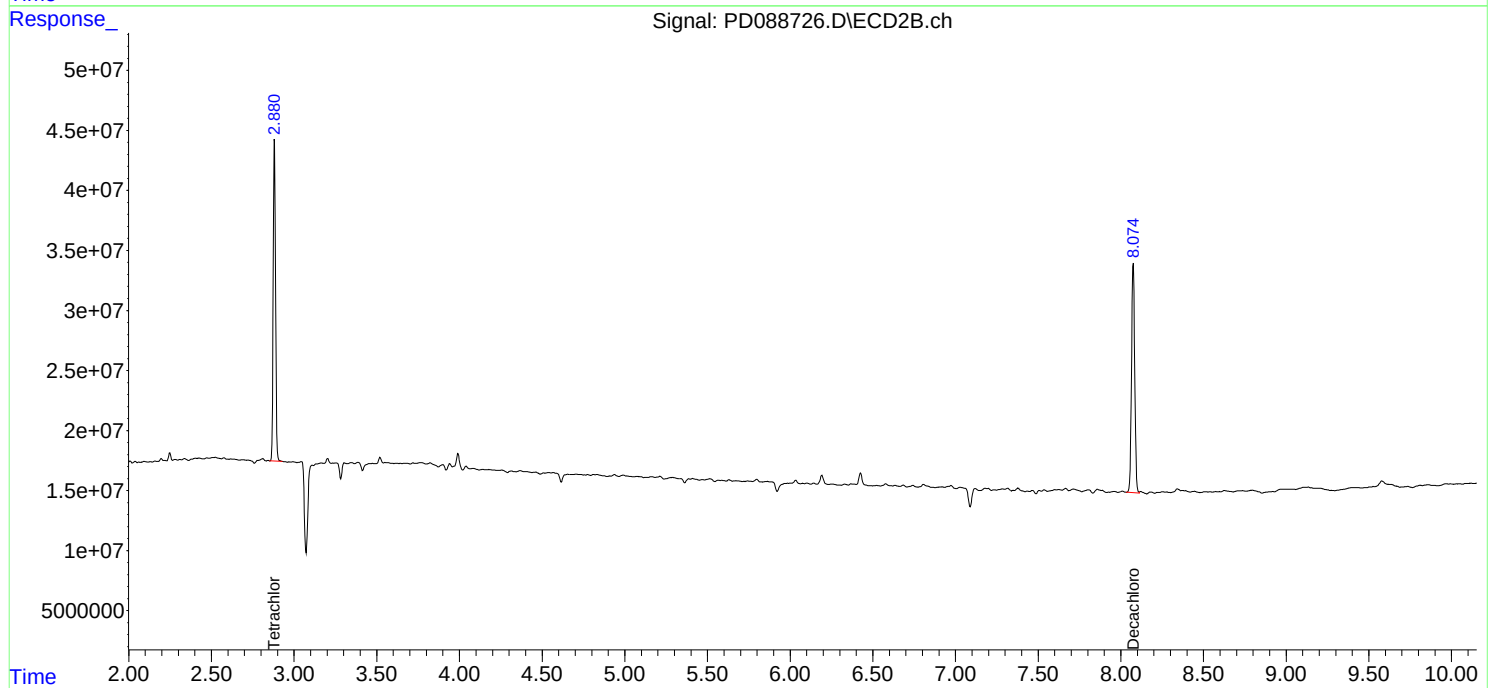
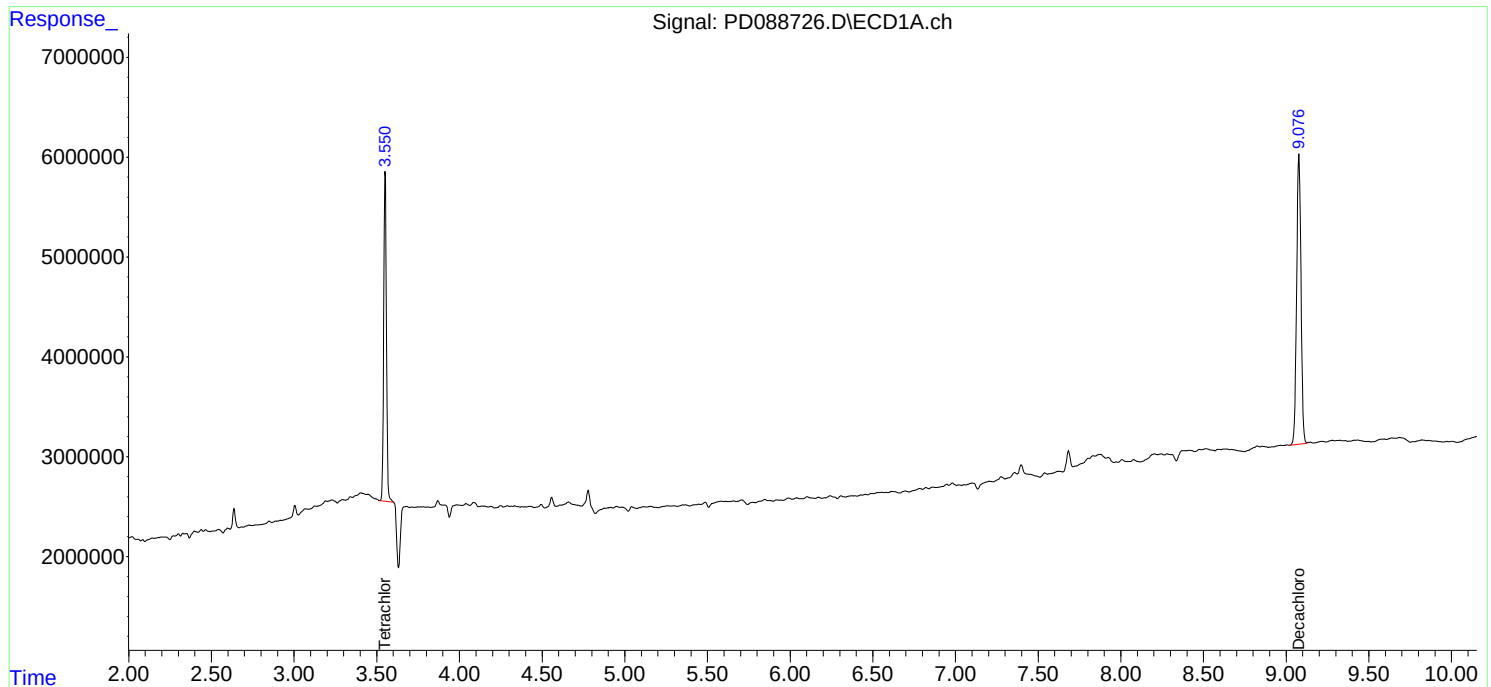
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

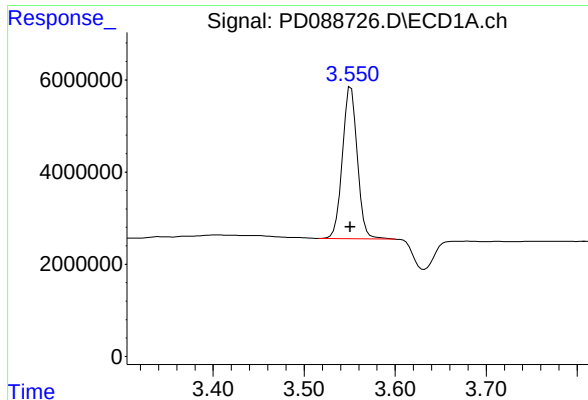
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088726.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:32
Operator : AR\AJ
Sample : Q2100-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-45

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:44:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

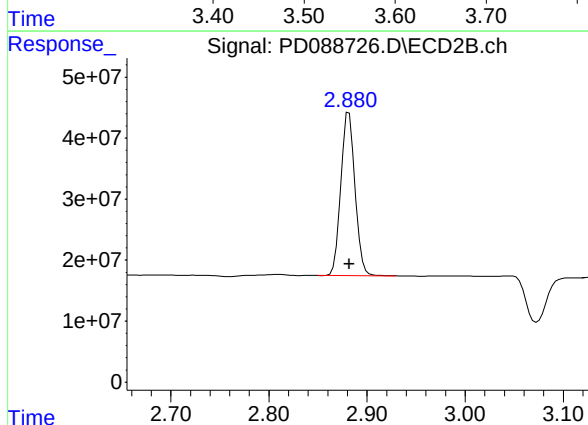




#1 Tetrachloro-m-xylene

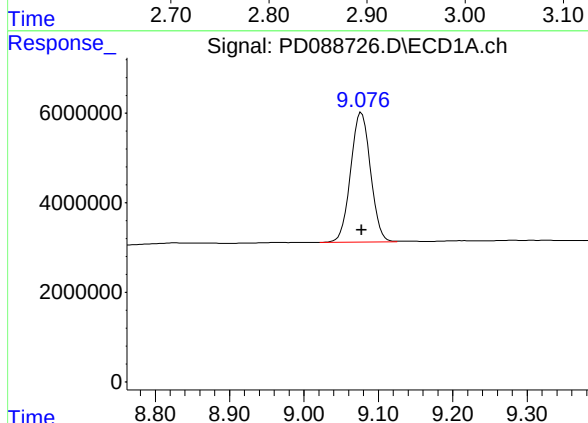
R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 37530654
Conc: 17.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45



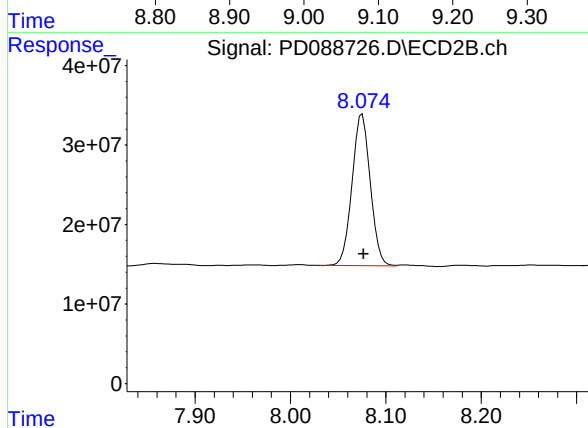
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 269906482
Conc: 17.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.000 min
Response: 53692905
Conc: 15.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.001 min
Response: 255926617
Conc: 14.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088721.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 13:48
 Operator : AR\AJ
 Sample : PB168125BL
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168125BL

A
B
C
D
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F
G
H
I
J
K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:42:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.559	2.880	41949500	314.4E6	19.387	20.787
28) SA Decachlor...	9.088	8.078	68889836	324.1E6	20.130	17.750

Target Compounds

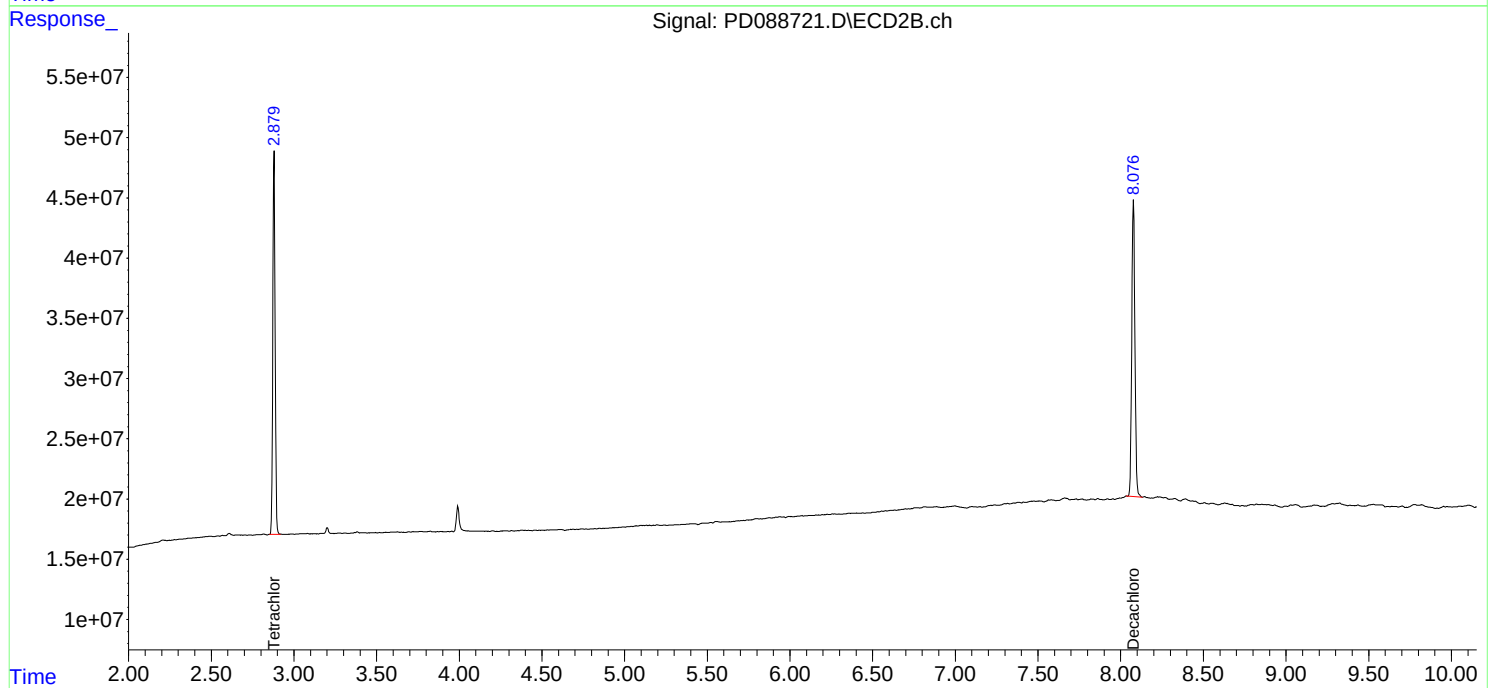
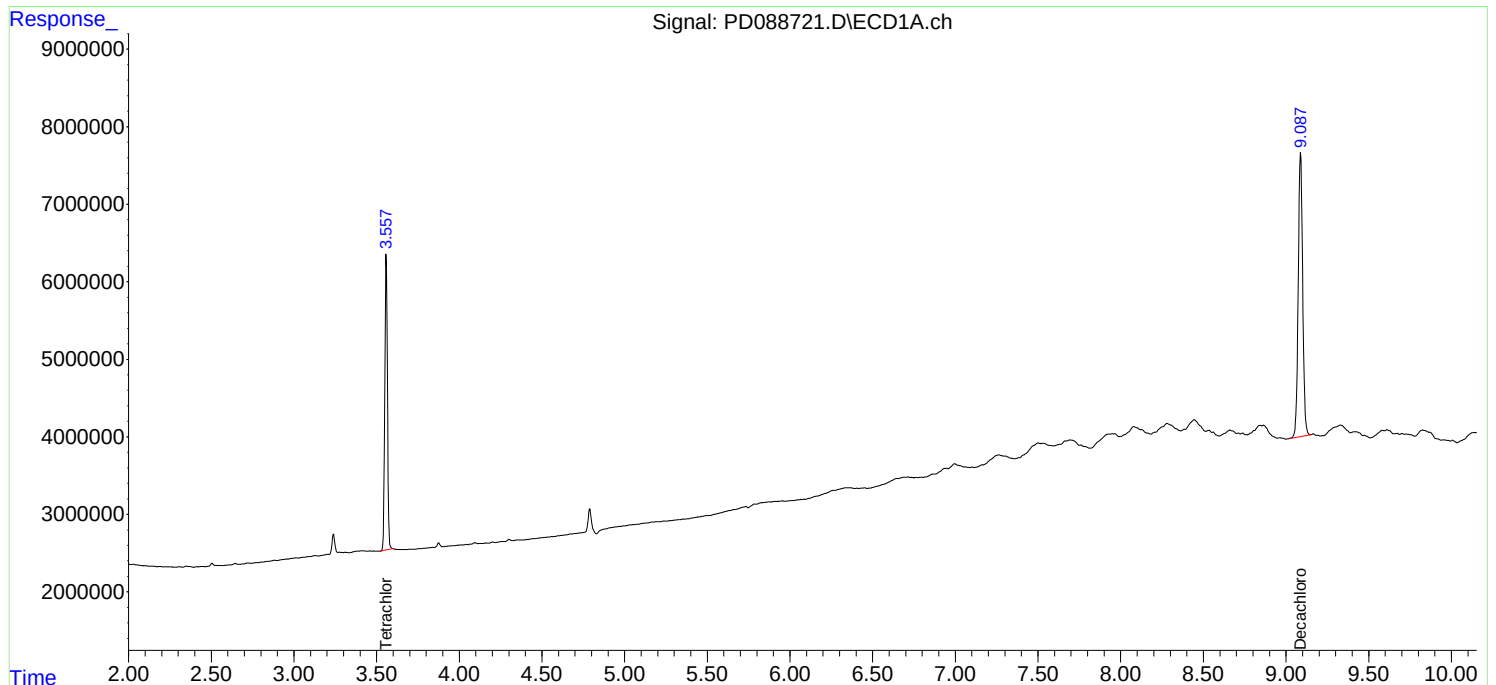
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

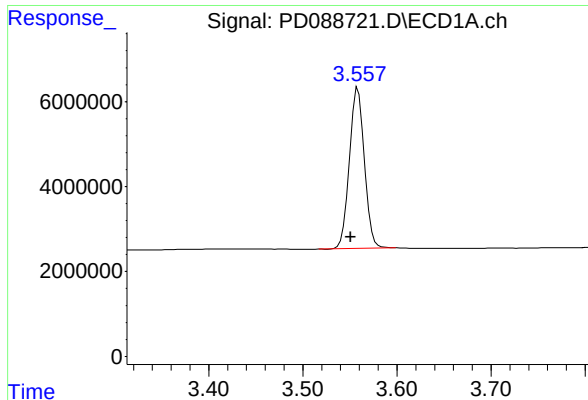
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088721.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 13:48
Operator : AR\AJ
Sample : PB168125BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB168125BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:42:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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

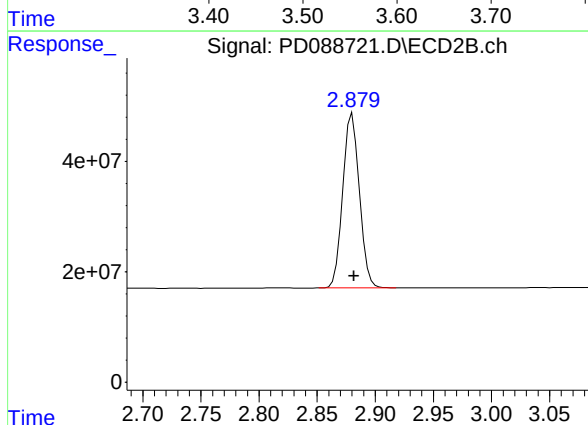




#1 Tetrachloro-m-xylene

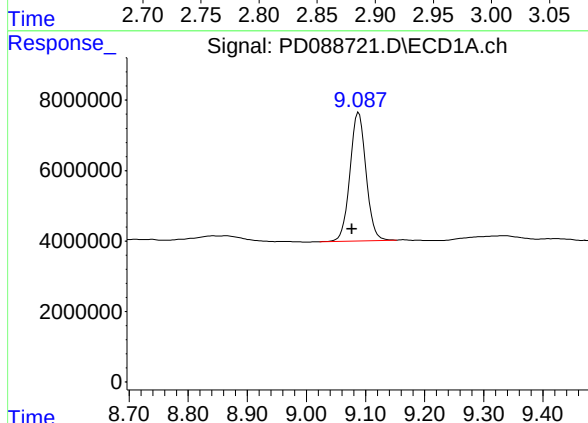
R.T.: 3.559 min
Delta R.T.: 0.008 min
Response: 41949500
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168125BL



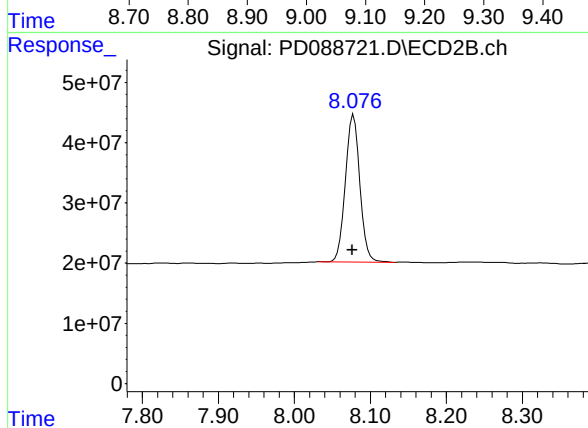
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 314434601
Conc: 20.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.088 min
Delta R.T.: 0.011 min
Response: 68889836
Conc: 20.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: 0.001 min
Response: 324056836
Conc: 17.75 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088722.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 14:23
 Operator : AR\AJ
 Sample : PB168125BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168125BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:43:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.557	2.881	47839578	347.8E6	22.110	22.991
28)	SA Decachlor...	9.087	8.076	75610958	384.1E6	22.093	21.038
Target Compounds							
2)	A alpha-BHC	4.008	3.394	243.0E6	1199.2E6	50.869	50.168
3)	MA gamma-BHC...	4.339	3.731	234.9E6	1113.7E6	51.029	50.245
4)	MA Heptachlor	4.939	4.084	225.0E6	1084.2E6	50.319	48.284
5)	MB Aldrin	5.281	4.369	228.4E6	1102.5E6	51.985	50.273m
6)	B beta-BHC	4.524	4.027	89891747	486.2E6	49.852	49.912
7)	B delta-BHC	4.772	4.264	215.0E6	1063.4E6	50.875	47.700
8)	B Heptachlo...	5.700	4.875	203.9E6	990.4E6	51.379	49.839
9)	A Endosulfan I	6.083	5.249	194.1E6	853.1E6	51.582	44.949
10)	B gamma-Chl...	5.955	5.128	207.0E6	1066.3E6	51.887	49.987
11)	B alpha-Chl...	6.037	5.193	206.5E6	1021.0E6	51.542	49.502
12)	B 4,4'-DDE	6.205	5.376	184.2E6	1034.1E6	51.314	49.473m
13)	MA Dieldrin	6.357	5.515	208.1E6	1047.4E6	51.868	49.771
14)	MA Endrin	6.585	5.792	172.8E6	928.8E6	50.592	48.164
15)	B Endosulfa...	6.795	6.082	175.5E6	899.5E6	50.970	49.093m
16)	A 4,4'-DDD	6.714	5.932	167.3E6	927.2E6	60.065	53.311
17)	MA 4,4'-DDT	7.031	6.186	124.2E6	731.2E6	39.784	40.317
18)	B Endrin al...	6.924	6.261	126.7E6	660.7E6	49.227	47.435
19)	B Endosulfa...	7.159	6.485	158.4E6	838.9E6	49.450	47.246
20)	A Methoxychlor	7.502	6.758	68294814	387.5E6	40.882	40.466
21)	B Endrin ke...	7.640	6.994	174.2E6	929.8E6	50.881	48.056
22)	Mirex	8.124	7.189	122.0E6	695.0E6	46.965	45.715

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088722.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 14:23
Operator : AR\AJ
Sample : PB168125BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168125BS

Manual Integrations

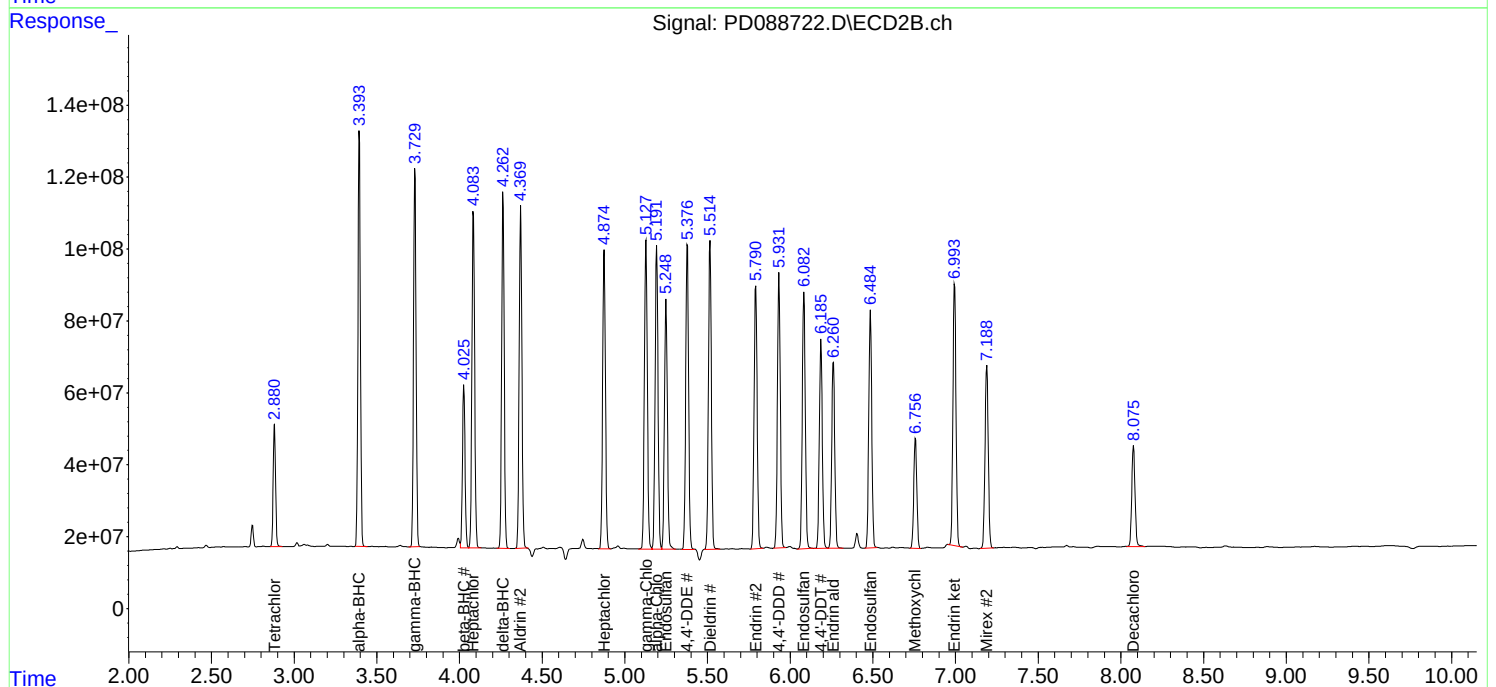
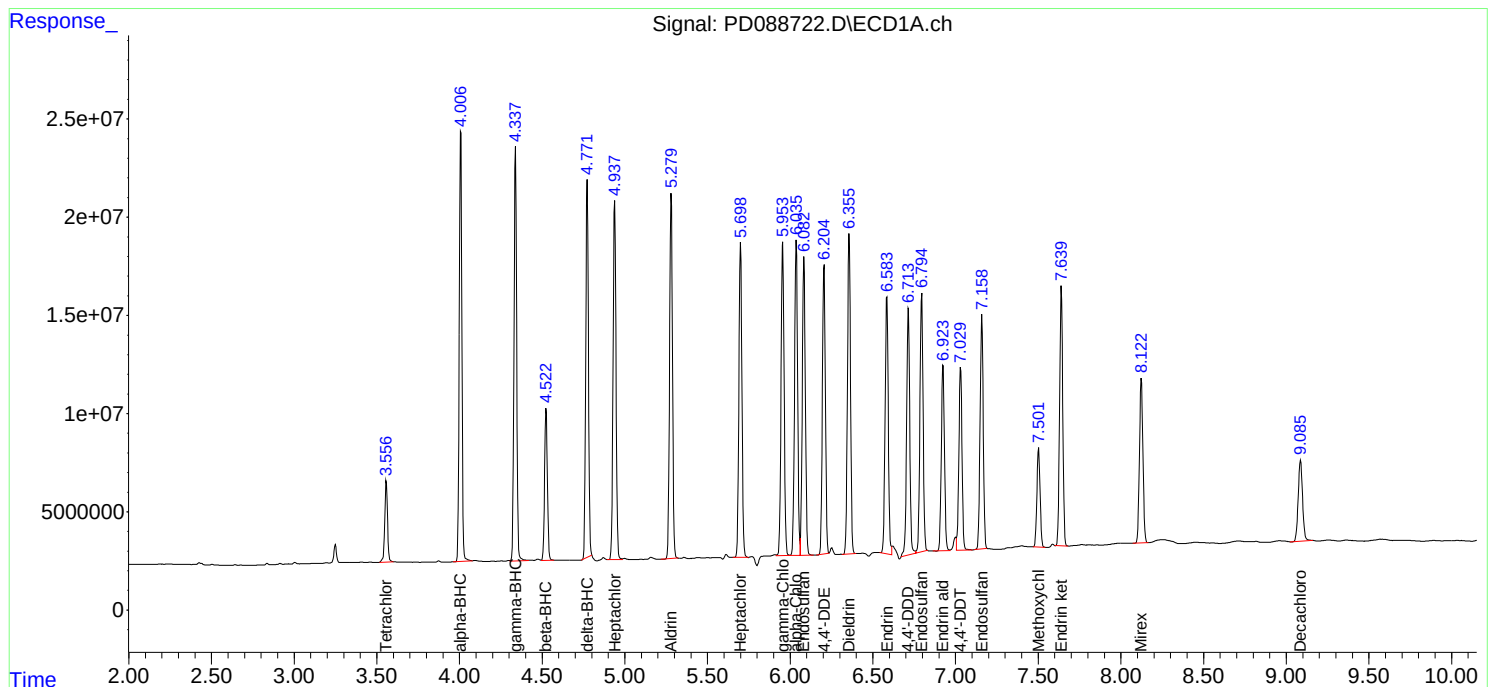
APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:43:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088727.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:46
 Operator : AR\AJ
 Sample : Q2100-04MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-45MS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:45:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.881	43352733	323.6E6	20.036	21.390
28)	SA Decachlor...	9.077	8.075	69748129	338.2E6	20.380	18.527
Target Compounds							
2)	A alpha-BHC	4.000	3.394	246.8E6	1211.3E6	51.666	50.673
3)	MA gamma-BHC...	4.332	3.730	236.3E6	1107.4E6	51.336	49.958
4)	MA Heptachlor	4.931	4.084	221.8E6	1071.2E6	49.610	47.702
5)	MB Aldrin	5.273	4.370	226.0E6	1093.8E6	51.434	49.876
6)	B beta-BHC	4.516	4.026	89179264	495.1E6	49.457	50.818
7)	B delta-BHC	4.766	4.263	232.7E6	1115.1E6	55.066	50.017
8)	B Heptachlo...	5.693	4.874	200.6E6	968.4E6	50.531	48.736
9)	A Endosulfan I	6.077	5.248	188.5E6	918.5E6	50.084	48.396
10)	B gamma-Chl...	5.948	5.127	201.1E6	1042.0E6	50.404	48.848
11)	B alpha-Chl...	6.029	5.192	200.7E6	1005.1E6	50.106	48.733
12)	B 4,4'-DDE	6.198	5.377	180.2E6	998.4E6	50.204	47.766
13)	MA Dieldrin	6.349	5.514	201.7E6	1014.3E6	50.276	48.198
14)	MA Endrin	6.576	5.790	164.6E6	895.7E6	48.187	46.446
15)	B Endosulfa...	6.788	6.083	167.7E6	862.8E6	48.699	47.090
16)	A 4,4'-DDD	6.708	5.932	154.8E6	868.4E6	55.596	49.929
17)	MA 4,4'-DDT	7.023	6.186	121.4E6	694.3E6	38.889	38.278
18)	B Endrin al...	6.917	6.261	123.2E6	635.1E6	47.842	45.593
19)	B Endosulfa...	7.152	6.484	152.6E6	816.1E6	47.628	45.964
20)	A Methoxychlor	7.496	6.757	64094090	371.1E6	38.367	38.754
21)	B Endrin ke...	7.633	6.994	166.8E6	896.8E6	48.719	46.354
22)	Mirex	8.116	7.188	118.9E6	658.8E6	45.742	43.334

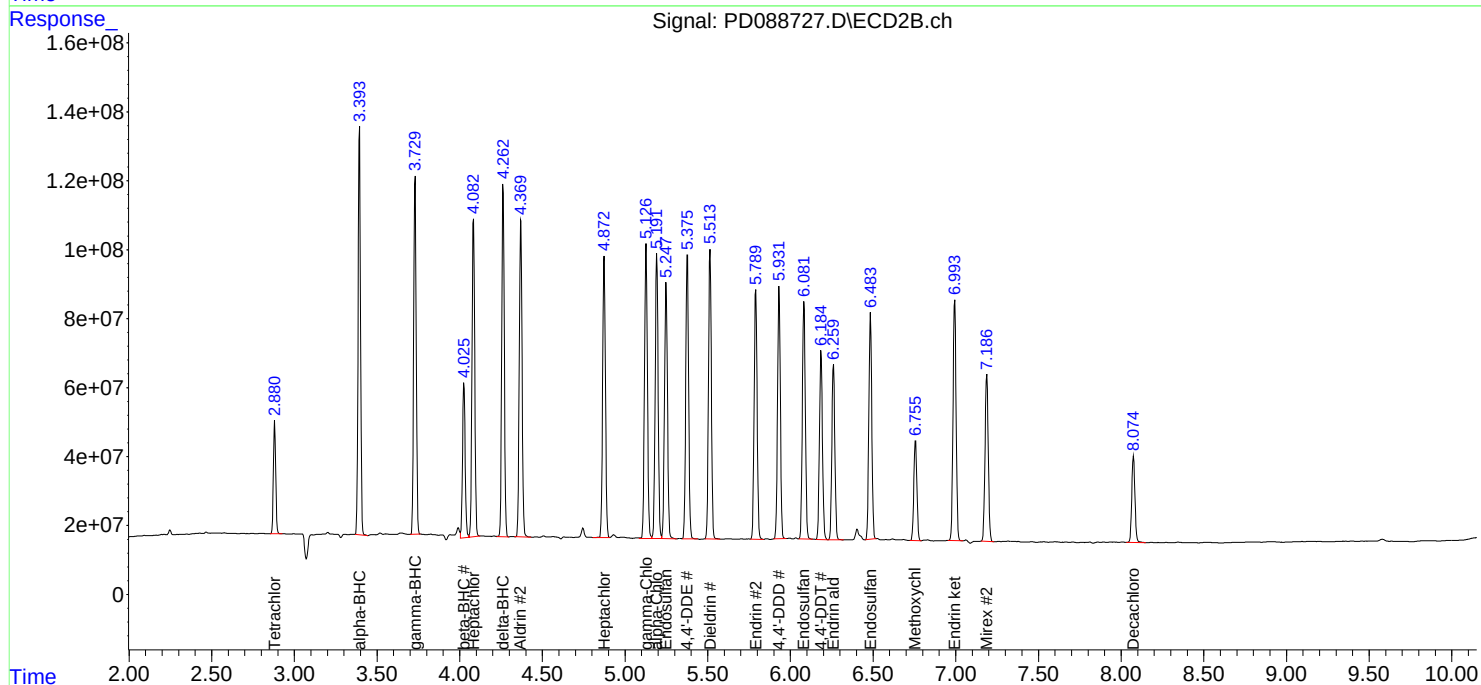
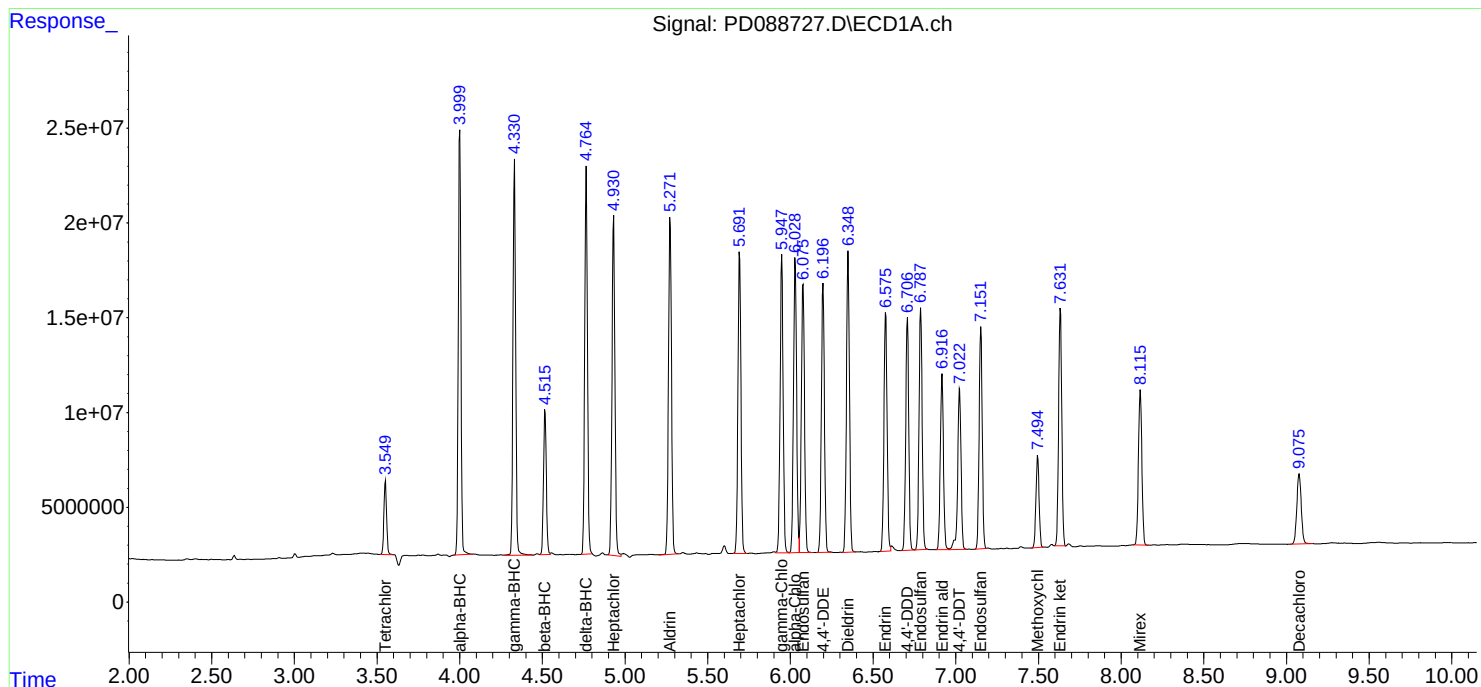
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088727.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:46
Operator : AR\AJ
Sample : Q2100-04MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
TP-45MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:45:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088728.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:59
 Operator : AR\AJ
 Sample : Q2100-04MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-45MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:45:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.881	44023026	327.6E6	20.346	21.654
28) SA Decachlor...	9.076	8.075	69953443	347.5E6	20.440	19.035
Target Compounds						
2) A alpha-BHC	4.000	3.394	251.7E6	1232.0E6	52.685	51.541
3) MA gamma-BHC...	4.331	3.731	242.3E6	1130.1E6	52.644	50.982
4) MA Heptachlor	4.931	4.084	227.5E6	1096.6E6	50.877	48.834
5) MB Aldrin	5.273	4.370	231.0E6	1110.4E6	52.569	50.632
6) B beta-BHC	4.516	4.027	91506258	505.6E6	50.748	51.898
7) B delta-BHC	4.765	4.263	238.7E6	1137.7E6	56.485	51.033
8) B Heptachlo...	5.692	4.874	205.5E6	989.5E6	51.767	49.797
9) A Endosulfan I	6.076	5.248	193.6E6	934.7E6	51.447	49.249
10) B gamma-Chl...	5.948	5.127	204.9E6	1065.4E6	51.377	49.943
11) B alpha-Chl...	6.029	5.192	206.0E6	1025.8E6	51.423	49.737
12) B 4,4'-DDE	6.197	5.377	185.9E6	1015.0E6	51.790	48.560
13) MA Dieldrin	6.349	5.514	206.7E6	1042.2E6	51.526	49.525
14) MA Endrin	6.576	5.791	170.9E6	924.1E6	50.041	47.922
15) B Endosulfa...	6.788	6.080	173.0E6	890.3E6	50.246	48.591m
16) A 4,4'-DDD	6.707	5.931	157.9E6	871.1E6	56.686	50.088
17) MA 4,4'-DDT	7.023	6.185	131.4E6	752.3E6	42.077	41.478
18) B Endrin al...	6.917	6.260	126.9E6	660.6E6	49.276	47.428
19) B Endosulfa...	7.151	6.483	160.7E6	840.5E6	50.161	47.335
20) A Methoxychlor	7.495	6.756	68592962	378.8E6	41.060	39.567
21) B Endrin ke...	7.632	6.993	171.4E6	1015.6E6	50.073	52.494
22) Mirex	8.117	7.187	123.6E6	689.3E6	47.554	45.339

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
Data File : PD088728.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2025 15:59
Operator : AR\AJ
Sample : Q2100-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-45MSD

Manual Integrations

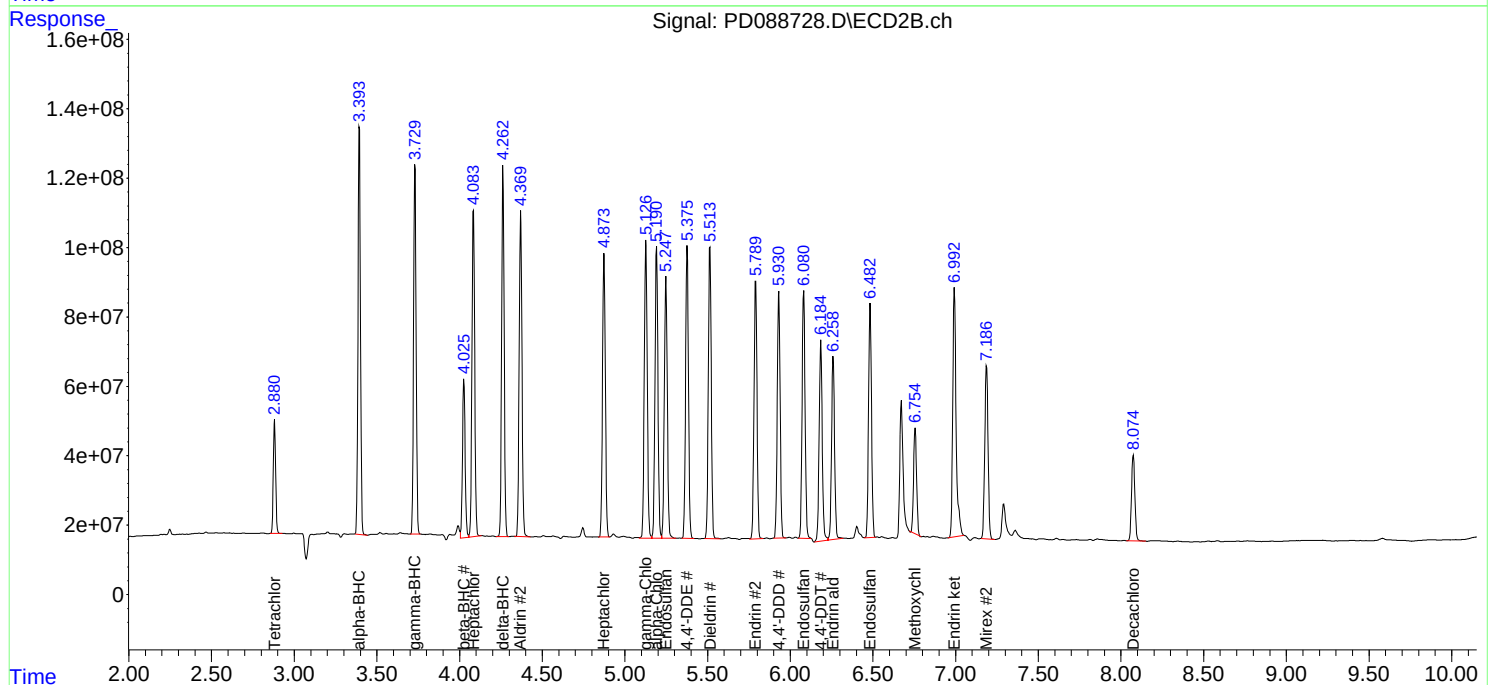
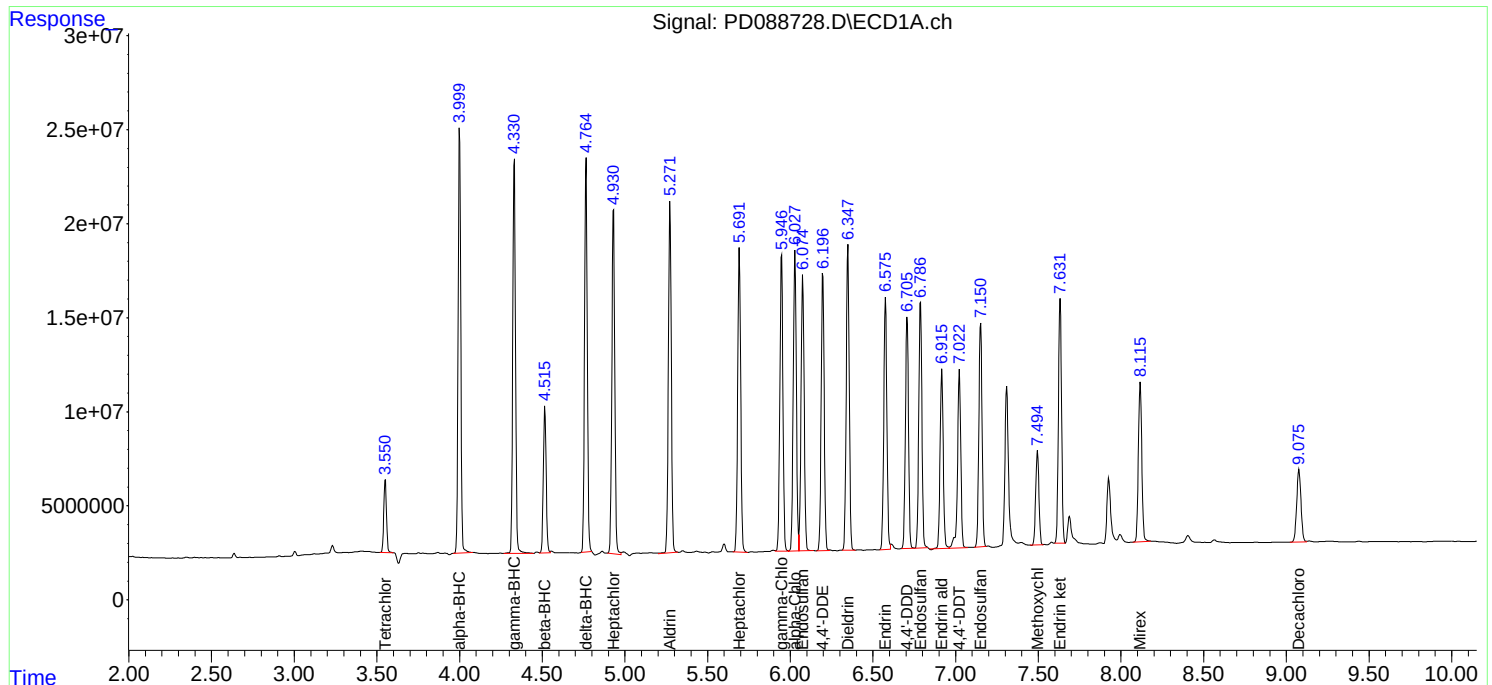
APPROVED

Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:45:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 2025
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PD051925	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088584.D	4,4"-DDD	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088584.D	Endrin ketone #2	Abdul	5/20/2025 9:03:15 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDICC005	PD088590.D	Heptachlor epoxide	Abdul	5/20/2025 9:03:19 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PCHLORICV500	PD088602.D	Chlordane-1	Abdul	5/20/2025 9:03:30 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	4,4"-DDD #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin aldehyde #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PEM	PD088605.D	Endrin ketone	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:

PD051925

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088605.D	Endrin ketone #2	Abdul	5/20/2025 9:03:34 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
I.BLK	PD088613.D	Decachlorobiphenyl	Abdul	5/20/2025 9:03:54 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software
PSTDCCC050	PD088614.D	4,4"-DDE #2	Abdul	5/20/2025 9:03:58 AM	mohammad	5/21/2025 5:34:48	Peak Integrated by Software

Manual Integration Report

Sequence:	pd052325	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088716.D	4,4"-DDE	Abdul	5/23/2025 8:19:08 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PEM	PD088716.D	4,4"-DDE #2	Abdul	5/23/2025 8:19:08 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PEM	PD088716.D	Endrin ketone	Abdul	5/23/2025 8:19:08 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088717.D	4,4"-DDE #2	Abdul	5/27/2025 8:09:44 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088717.D	Aldrin #2	Abdul	5/27/2025 8:09:44 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088720.D	4,4"-DDE #2	Abdul	5/27/2025 8:09:47 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088720.D	Aldrin #2	Abdul	5/27/2025 8:09:47 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088720.D	Endrin	Abdul	5/27/2025 8:09:47 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088720.D	Endrin aldehyde	Abdul	5/27/2025 8:09:47 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PB168125BS	PD088722.D	4,4"-DDE #2	Abdul	5/27/2025 8:09:51 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PB168125BS	PD088722.D	Aldrin #2	Abdul	5/27/2025 8:09:51 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PB168125BS	PD088722.D	Endosulfan II #2	Abdul	5/27/2025 8:09:51 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
Q2100-03	PD088725.D	alpha-Chlordane	Abdul	5/23/2025 8:19:17 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software

Manual Integration Report

Sequence:	pd052325	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2100-03	PD088725.D	alpha-Chlordane #2	Abdul	5/23/2025 8:19:17 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
Q2100-03	PD088725.D	gamma-Chlordane	Abdul	5/23/2025 8:19:17 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
Q2100-03	PD088725.D	gamma-Chlordane #2	Abdul	5/23/2025 8:19:17 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
Q2100-04MSD	PD088728.D	Endosulfan II #2	Abdul	5/27/2025 8:09:56 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	4,4"-DDE #2	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	Aldrin #2	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	alpha-BHC	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	Decachlorobiphenyl #2	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	Endosulfan II #2	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	Endrin	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	Endrin ketone #2	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software
PSTDCCC050	PD088733.D	gamma-Chlordane	Abdul	5/27/2025 8:10:00 AM	mohammad	5/28/2025 1:45:35	Peak Integrated by Software



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

Manual Integration Report

Sequence:	pd052325	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088582.D	19 May 2025 10:36	AR\AJ	Ok
2	I.BLK	PD088583.D	19 May 2025 10:50	AR\AJ	Ok
3	PEM	PD088584.D	19 May 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PD088585.D	19 May 2025 11:17	AR\AJ	Ok
5	PSTDICC100	PD088586.D	19 May 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PD088587.D	19 May 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PD088588.D	19 May 2025 11:58	AR\AJ	Ok
8	PSTDICC025	PD088589.D	19 May 2025 12:12	AR\AJ	Ok
9	PSTDICC005	PD088590.D	19 May 2025 12:25	AR\AJ	Ok,M
10	PCHLORICC1000	PD088591.D	19 May 2025 12:39	AR\AJ	Ok
11	PCHLORICC750	PD088592.D	19 May 2025 12:52	AR\AJ	Ok
12	PCHLORICC500	PD088593.D	19 May 2025 13:06	AR\AJ	Ok
13	PCHLORICC250	PD088594.D	19 May 2025 13:19	AR\AJ	Ok
14	PCHLORICC050	PD088595.D	19 May 2025 13:33	AR\AJ	Ok
15	PTOXICC1000	PD088596.D	19 May 2025 13:47	AR\AJ	Ok
16	PTOXICC750	PD088597.D	19 May 2025 14:00	AR\AJ	Ok
17	PTOXICC500	PD088598.D	19 May 2025 14:14	AR\AJ	Ok
18	PTOXICC250	PD088599.D	19 May 2025 14:27	AR\AJ	Ok,M
19	PTOXICC100	PD088600.D	19 May 2025 14:41	AR\AJ	Ok
20	PSTDICV050	PD088601.D	19 May 2025 14:55	AR\AJ	Ok
21	PCHLORICV500	PD088602.D	19 May 2025 15:08	AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088603.D	19 May 2025 15:22	AR\AJ	Ok
23	I.BLK	PD088604.D	19 May 2025 15:35	AR\AJ	Ok
24	PEM	PD088605.D	19 May 2025 15:49	AR\AJ	Ok,M
25	PSTDCCC050	PD088606.D	19 May 2025 16:02	AR\AJ	Ok
26	PTOXCCC500	PD088607.D	19 May 2025 16:16	AR\AJ	Ok
27	PB167959BS	PD088608.D	19 May 2025 16:32	AR\AJ	Ok
28	Q1984-09RE	PD088609.D	19 May 2025 16:50	AR\AJ	Confirms
29	Q1984-11RE	PD088610.D	19 May 2025 17:04	AR\AJ	Confirms
30	Q1984-13RE	PD088611.D	19 May 2025 17:18	AR\AJ	Confirms
31	Q1984-15RE	PD088612.D	19 May 2025 17:31	AR\AJ	Confirms
32	I.BLK	PD088613.D	19 May 2025 17:45	AR\AJ	Ok,M
33	PSTDCCC050	PD088614.D	19 May 2025 18:45	AR\AJ	Ok,M
34	PTOXCCC500	PD088615.D	19 May 2025 19:32	AR\AJ	Ok
35	PB168066BL	PD088616.D	19 May 2025 20:26	AR\AJ	Ok
36	PB168066BS	PD088617.D	19 May 2025 20:40	AR\AJ	Not Ok
37	PB167994TB	PD088618.D	19 May 2025 20:54	AR\AJ	Ok
38	Q2014-05	PD088619.D	19 May 2025 21:08	AR\AJ	Not Ok
39	Q2027-03	PD088620.D	19 May 2025 21:21	AR\AJ	Ok,M
40	Q2027-03MS	PD088621.D	19 May 2025 21:35	AR\AJ	Ok,M
41	Q2027-03MSD	PD088622.D	19 May 2025 21:49	AR\AJ	Ok,M
42	Q2027-04	PD088623.D	19 May 2025 22:02	AR\AJ	Ok
43	Q2032-09	PD088624.D	19 May 2025 22:16	AR\AJ	Ok
44	I.BLK	PD088625.D	19 May 2025 22:30	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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			

45	PSTDCCC050	PD088626.D	19 May 2025 22:43	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_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD052325

Review By	Abdul	Review On	5/23/2025 8:19:47 AM
Supervise By	mohammad	Supervise On	5/28/2025 1:45:35 AM
SubDirectory	PD052325	HP Acquire Method	HP Processing Method pd051925 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#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088714.D	22 May 2025 09:27	AR\AJ	Ok
2	I.BLK	PD088715.D	22 May 2025 09:41	AR\AJ	Ok
3	PEM	PD088716.D	22 May 2025 10:12	AR\AJ	Ok,M
4	PSTDCCC050	PD088717.D	22 May 2025 10:59	AR\AJ	Ok,M
5	Q2068-03	PD088718.D	22 May 2025 11:13	AR\AJ	Not Ok
6	I.BLK	PD088719.D	22 May 2025 11:26	AR\AJ	Ok
7	PSTDCCC050	PD088720.D	22 May 2025 11:40	AR\AJ	Ok,M
8	PB168125BL	PD088721.D	22 May 2025 13:48	AR\AJ	Ok
9	PB168125BS	PD088722.D	22 May 2025 14:23	AR\AJ	Ok,M
10	Q2100-01	PD088723.D	22 May 2025 14:51	AR\AJ	Ok
11	Q2100-02	PD088724.D	22 May 2025 15:05	AR\AJ	Ok
12	Q2100-03	PD088725.D	22 May 2025 15:18	AR\AJ	Ok,M
13	Q2100-04	PD088726.D	22 May 2025 15:32	AR\AJ	Ok
14	Q2100-04MS	PD088727.D	22 May 2025 15:46	AR\AJ	Ok
15	Q2100-04MSD	PD088728.D	22 May 2025 15:59	AR\AJ	Ok,M
16	Q2101-01	PD088729.D	22 May 2025 16:13	AR\AJ	Ok
17	Q2102-01	PD088730.D	22 May 2025 16:27	AR\AJ	Not Ok
18	Q2104-01	PD088731.D	22 May 2025 16:40	AR\AJ	Ok
19	I.BLK	PD088732.D	22 May 2025 16:54	AR\AJ	Ok
20	PSTDCCC050	PD088733.D	22 May 2025 17:39	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088582.D	19 May 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PD088583.D	19 May 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PD088584.D	19 May 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088585.D	19 May 2025 11:17		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088586.D	19 May 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PD088587.D	19 May 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088588.D	19 May 2025 11:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088589.D	19 May 2025 12:12		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088590.D	19 May 2025 12:25		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088591.D	19 May 2025 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088592.D	19 May 2025 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088593.D	19 May 2025 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088594.D	19 May 2025 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088595.D	19 May 2025 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PD088596.D	19 May 2025 13:47		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PD088597.D	19 May 2025 14:00		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088598.D	19 May 2025 14:14		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088599.D	19 May 2025 14:27		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method pd0519 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	PD088600.D	19 May 2025 14:41		AR\AJ	Ok
20	PSTDICV050	ICVPD051925	PD088601.D	19 May 2025 14:55		AR\AJ	Ok
21	PCHLORICV500	ICVPD051925CHLOR	PD088602.D	19 May 2025 15:08		AR\AJ	Ok,M
22	PTOXICV500	ICVPD051925TOX	PD088603.D	19 May 2025 15:22		AR\AJ	Ok
23	I.BLK	I.BLK	PD088604.D	19 May 2025 15:35		AR\AJ	Ok
24	PEM	PEM	PD088605.D	19 May 2025 15:49		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088606.D	19 May 2025 16:02		AR\AJ	Ok
26	PTOXCCC500	PTOXCCC500	PD088607.D	19 May 2025 16:16		AR\AJ	Ok
27	PB167959BS	PB167959BS	PD088608.D	19 May 2025 16:32	TOX BS	AR\AJ	Ok
28	Q1984-09RE	OU4-TS-25-050725RE	PD088609.D	19 May 2025 16:50	DCB Low in both column	AR\AJ	Confirms
29	Q1984-11RE	OU4-TS-26-050725RE	PD088610.D	19 May 2025 17:04	DCB Low in both column	AR\AJ	Confirms
30	Q1984-13RE	OU4-TS-27-050725RE	PD088611.D	19 May 2025 17:18	DCB Low in both column	AR\AJ	Confirms
31	Q1984-15RE	OU4-TS-28-050725RE	PD088612.D	19 May 2025 17:31	DCB Low in both column	AR\AJ	Confirms
32	I.BLK	I.BLK	PD088613.D	19 May 2025 17:45		AR\AJ	Ok,M
33	PSTDCCC050	PSTDCCC050	PD088614.D	19 May 2025 18:45		AR\AJ	Ok,M
34	PTOXCCC500	PTOXCCC500	PD088615.D	19 May 2025 19:32		AR\AJ	Ok
35	PB168066BL	PB168066BL	PD088616.D	19 May 2025 20:26		AR\AJ	Ok
36	PB168066BS	PB168066BS	PD088617.D	19 May 2025 20:40	Recovery fail for comp # 17 & 20	AR\AJ	Not Ok
37	PB167994TB	PB167994TB	PD088618.D	19 May 2025 20:54		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD051925

Review By	Abdul	Review On	5/20/2025 9:04:34 AM
Supervise By	mohammad	Supervise On	5/21/2025 5:34:48 AM
SubDirectory	PD051925	HP Acquire Method	HP Processing Method
			pd0519 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			

38	Q2014-05	MOO-25-0148	PD088619.D	19 May 2025 21:08	TCMX having F flag in both column, already run	AR\AJ	Not Ok
39	Q2027-03	B27-SOIL-SAMPLE	PD088620.D	19 May 2025 21:21		AR\AJ	Ok,M
40	Q2027-03MS	B27-SOIL-SAMPLEMS	PD088621.D	19 May 2025 21:35		AR\AJ	Ok,M
41	Q2027-03MSD	B27-SOIL-SAMPLEMS	PD088622.D	19 May 2025 21:49		AR\AJ	Ok,M
42	Q2027-04	B28-SOIL-SAMPLE	PD088623.D	19 May 2025 22:02		AR\AJ	Ok
43	Q2032-09	COMP-1	PD088624.D	19 May 2025 22:16		AR\AJ	Ok
44	I.BLK	I.BLK	PD088625.D	19 May 2025 22:30		AR\AJ	Ok
45	PSTDCCC050	PSTDCCC050	PD088626.D	19 May 2025 22:43		AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD052325

Review By	Abdul	Review On	5/23/2025 8:19:47 AM
Supervise By	mohammad	Supervise On	5/28/2025 1:45:35 AM
SubDirectory	PD052325	HP Acquire Method	HP Processing Method pd051925 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	PD088714.D	22 May 2025 09:27		AR\AJ	Ok
2	I.BLK	I.BLK	PD088715.D	22 May 2025 09:41		AR\AJ	Ok
3	PEM	PEM	PD088716.D	22 May 2025 10:12		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088717.D	22 May 2025 10:59		AR\AJ	Ok,M
5	Q2068-03	LAW-25-0074	PD088718.D	22 May 2025 11:13	TCMX low in 2nd column , already run	AR\AJ	Not Ok
6	I.BLK	I.BLK	PD088719.D	22 May 2025 11:26		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PD088720.D	22 May 2025 11:40		AR\AJ	Ok,M
8	PB168125BL	PB168125BL	PD088721.D	22 May 2025 13:48		AR\AJ	Ok
9	PB168125BS	PB168125BS	PD088722.D	22 May 2025 14:23		AR\AJ	Ok,M
10	Q2100-01	TP-16	PD088723.D	22 May 2025 14:51		AR\AJ	Ok
11	Q2100-02	TP-22	PD088724.D	22 May 2025 15:05		AR\AJ	Ok
12	Q2100-03	TP-21	PD088725.D	22 May 2025 15:18		AR\AJ	Ok,M
13	Q2100-04	TP-45	PD088726.D	22 May 2025 15:32		AR\AJ	Ok
14	Q2100-04MS	TP-45MS	PD088727.D	22 May 2025 15:46		AR\AJ	Ok
15	Q2100-04MSD	TP-45MSD	PD088728.D	22 May 2025 15:59		AR\AJ	Ok,M
16	Q2101-01	TP-1-MHE	PD088729.D	22 May 2025 16:13		AR\AJ	Ok
17	Q2102-01	LAW-25-0077	PD088730.D	22 May 2025 16:27	TCMX having F Flag in 2nd column	AR\AJ	Not Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD052325

Review By	Abdul	Review On	5/23/2025 8:19:47 AM
Supervise By	mohammad	Supervise On	5/28/2025 1:45:35 AM
SubDirectory	PD052325	HP Acquire Method	HP Processing Method
			pd051925 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	

18	Q2104-01	TR-06-052125	PD088731.D	22 May 2025 16:40		AR\AJ	Ok
19	I.BLK	I.BLK	PD088732.D	22 May 2025 16:54		AR\AJ	Ok
20	PSTDCCC050	PSTDCCC050	PD088733.D	22 May 2025 17:39	Comp#7 high in 1st column	AR\AJ	Ok,M

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Florisil	Extraction Start Date :	05/22/2025
Matrix :	Solid	Extraction Start Time :	08:30
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Extraction End Date :	05/22/2025
Balance ID:	EX-SC-2	Filter By:	RJ
pH Strip Lot#:	N/A	Extraction End Time :	11:30
		Concentration By:	EH
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3934
Florisil	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

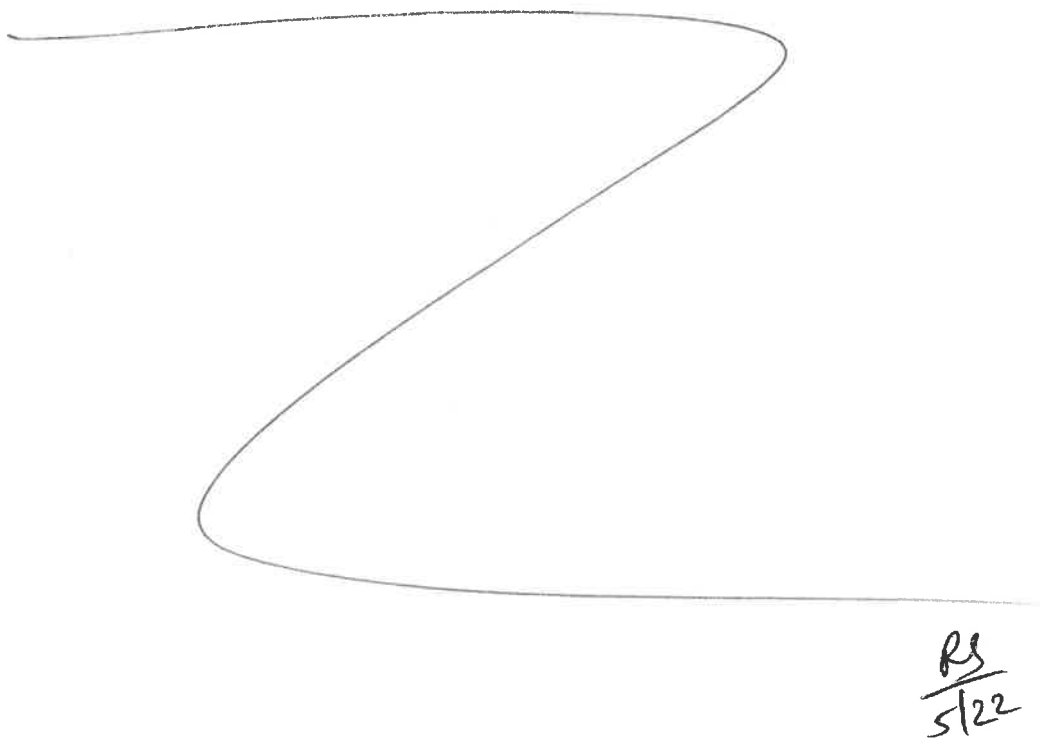
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/22/25	RS (Ext Lab)	Y.P. Pest/PCB
11:35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/22/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/ Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168125BL	PBLK125	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U1-1
PB168125BS	PLCS125	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q2100-01	TP-16	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		3
Q2100-02	TP-22	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	E		4
Q2100-03	TP-21	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		5
Q2100-04	TP-45	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	E		6
Q2100-04MS	TP-45MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		U2-1
Q2100-04MS D	TP-45MSD	Pesticide-TCL	30.02	N/A	ritesh	Evelyn	10	E		2
Q2101-01	TP-1-MHE	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	C		3
Q2102-01	LAW-25-0077	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E	Small Partical	4
Q2104-01	TR-06-052125	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		5



RS
5/22

160125 8:25:48

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2100 WorkList ID : 189696 Department : Extraction Date : 05-22-2025 08:24:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2100-01	TP-16	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/20/2025	8081B
Q2100-02	TP-22	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/20/2025	8081B
Q2100-03	TP-21	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/20/2025	8081B
Q2100-04	TP-45	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L41	05/20/2025	8081B
Q2101-01	TP-1-MHE	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L41	05/19/2025	8081B
Q2102-01	LAW-25-0077	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L21	05/21/2025	8081B
Q2104-01	TR-06-052125	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L31	05/21/2025	8081B

Date/Time 05/22/25 8:25
Raw Sample Received by: RJ (Left-Lab)
Raw Sample Relinquished by: CP

Date/Time 05/22/25 8:55
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Left-Lab)

LAB CHRONICLE

OrderID:	Q2100	OrderDate:	5/20/2025 3:22:00 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
Q2100-01	TP-16	SOIL			05/19/25			05/20/25
			Diesel Range Organics	8015D		05/23/25	05/23/25	
			Gasoline Range Organics	8015D			05/21/25	
			Pesticide-TCL	8081B		05/22/25	05/22/25	
			PCB	8082A		05/22/25	05/22/25	
Q2100-02	TP-22	SOIL			05/19/25			05/20/25
			Diesel Range Organics	8015D		05/23/25	05/23/25	
			Gasoline Range Organics	8015D			05/21/25	
			Pesticide-TCL	8081B		05/22/25	05/22/25	
			PCB	8082A		05/22/25	05/22/25	
Q2100-03	TP-21	SOIL			05/20/25			05/20/25
			Diesel Range Organics	8015D		05/23/25	05/23/25	
			Gasoline Range Organics	8015D			05/21/25	
			PCB	8082A		05/22/25	05/22/25	
			Pesticide-TCL	8081B		05/22/25	05/22/25	
Q2100-04	TP-45	SOIL			05/20/25			05/20/25
			Diesel Range Organics	8015D		05/23/25	05/23/25	
			Gasoline Range Organics	8015D			05/21/25	
			PCB	8082A		05/22/25	05/22/25	
			Pesticide-TCL	8081B		05/22/25	05/22/25	