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Hit Summary Sheet
SW-846

SDG No.:	Q2150	Order ID:	Q2150					
Client:	CDM Smith	Project ID:	South River WM Replacement					
Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
Total Concentration:				0.000				



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-44	SDG No.:	Q2150
Lab Sample ID:	Q2150-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	78.9
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072468.D	1	05/30/25 08:50	05/30/25 13:32	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.00	U	5.00	21.5	ug/kg
11104-28-2	Aroclor-1221	5.10	U	5.10	21.5	ug/kg
11141-16-5	Aroclor-1232	4.70	U	4.70	21.5	ug/kg
53469-21-9	Aroclor-1242	5.10	U	5.10	21.5	ug/kg
12672-29-6	Aroclor-1248	7.50	U	7.50	21.5	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	21.5	ug/kg
37324-23-5	Aroclor-1262	6.40	U	6.40	21.5	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	21.5	ug/kg
11096-82-5	Aroclor-1260	4.10	U	4.10	21.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	SPK: 20

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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42	SDG No.:	Q2150
Lab Sample ID:	Q2150-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072469.D	1	05/30/25 08:50	05/30/25 13:48	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	3.70	U	3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.9		32 - 175	75%	SPK: 20

Comments:

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-39	SDG No.:	Q2150
Lab Sample ID:	Q2150-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.7
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072472.D	1	05/30/25 08:50	05/30/25 14:37	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.3	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.3	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.3	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.3	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.3	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.3	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.3	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.0		32 - 175	60%	SPK: 20

Comments:

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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* = 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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-48	SDG No.:	Q2150
Lab Sample ID:	Q2150-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072473.D	1	05/30/25 08:50	05/30/25 14:53	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.5		32 - 144	88%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.3		32 - 175	81%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-47	SDG No.:	Q2150
Lab Sample ID:	Q2150-05	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	81
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072474.D	1	05/30/25 08:50	05/30/25 15:10	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	4.90	U	4.90	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.40	U	4.40	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.0		32 - 175	70%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-50	SDG No.:	Q2150
Lab Sample ID:	Q2150-06	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072475.D	1	05/30/25 08:50	05/30/25 15:26	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		32 - 175	89%	SPK: 20

Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-51	SDG No.:	Q2150
Lab Sample ID:	Q2150-07	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.7
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072481.D	1	05/30/25 08:50	05/30/25 17:37	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.3	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.3	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.3	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.3	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.3	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.3	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.3	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.1		32 - 175	70%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-52	SDG No.:	Q2150
Lab Sample ID:	Q2150-08	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.7
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072482.D	1	05/30/25 08:50	05/30/25 17:53	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.8	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.8	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.8	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.8	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.8	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.8	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.8	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.8	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	14.7		32 - 175	74%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-54	SDG No.:	Q2150
Lab Sample ID:	Q2150-09	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	83.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072483.D	1	05/30/25 08:50	05/30/25 18:09	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.3	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.3	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.3	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.3	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.3	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.3	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.3	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.3	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		32 - 144	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.7		32 - 175	69%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/28/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-53	SDG No.:	Q2150
Lab Sample ID:	Q2150-10	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	85.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072484.D	1	05/30/25 08:50	05/30/25 18:26	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.60	U	4.60	19.9	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.9	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.9	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.9	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.9	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	19.9	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	19.9	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.9	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	19.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 175	80%	SPK: 20

Comments:

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **Q2150**

Client: **CDM Smith**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP072163.D	PIBLK-PP072163.D	Tetrachloro-m-xylene	1	20	16.3	82		60	140
		Decachlorobiphenyl	1	20	16.7	84		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	17.0	85		60	140
I.BLK-PP072465.D	PIBLK-PP072465.D	Tetrachloro-m-xylene	1	20	18.1	91		60	140
		Decachlorobiphenyl	1	20	19.5	98		60	140
		Tetrachloro-m-xylene	2	20	20.0	100		60	140
		Decachlorobiphenyl	2	20	21.7	108		60	140
PB168208BL	PB168208BL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	21.6	108		32	144
		Decachlorobiphenyl	2	20	24.3	122		32	175
PB168208BS	PB168208BS	Tetrachloro-m-xylene	1	20	20.2	101		32	144
		Decachlorobiphenyl	1	20	21.4	107		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	23.6	118		32	175
Q2150-01	TP-44	Tetrachloro-m-xylene	1	20	17.1	85		32	144
		Decachlorobiphenyl	1	20	14.5	72		32	175
		Tetrachloro-m-xylene	2	20	19.8	99		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
Q2150-02	TP-42	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	12.6	63		32	175
		Tetrachloro-m-xylene	2	20	20.4	102		32	144
		Decachlorobiphenyl	2	20	14.9	75		32	175
Q2150-02MS	TP-42MS	Tetrachloro-m-xylene	1	20	18.1	90		32	144
		Decachlorobiphenyl	1	20	14.3	72		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	16.1	81		32	175
Q2150-02MSD	TP-42MSD	Tetrachloro-m-xylene	1	20	18.9	94		32	144
		Decachlorobiphenyl	1	20	15.2	76		32	175
		Tetrachloro-m-xylene	2	20	19.8	99		32	144
		Decachlorobiphenyl	2	20	16.8	84		32	175
Q2150-03	TP-39	Tetrachloro-m-xylene	1	20	16.4	82		32	144
		Decachlorobiphenyl	1	20	10.9	55		32	175
		Tetrachloro-m-xylene	2	20	18.7	94		32	144
		Decachlorobiphenyl	2	20	12.0	60		32	175
Q2150-04	TP-48	Tetrachloro-m-xylene	1	20	16.1	81		32	144
		Decachlorobiphenyl	1	20	14.3	71		32	175
		Tetrachloro-m-xylene	2	20	17.5	88		32	144
		Decachlorobiphenyl	2	20	16.3	81		32	175
Q2150-05	TP-47	Tetrachloro-m-xylene	1	20	17.7	88		32	144

Surrogate Summary

SDG No.: **Q2150**

Client: **CDM Smith**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q2150-05	TP-47	Decachlorobiphenyl	1	20	13.1	66		32	175
		Tetrachloro-m-xylene	2	20	20.3	102		32	144
Q2150-06	TP-50	Decachlorobiphenyl	2	20	14.0	70		32	175
		Tetrachloro-m-xylene	1	20	18.0	90		32	144
		Decachlorobiphenyl	1	20	16.9	85		32	175
		Tetrachloro-m-xylene	2	20	20.3	101		32	144
		Decachlorobiphenyl	2	20	17.8	89		32	175
		Tetrachloro-m-xylene	1	20	18.7	93		60	140
I.BLK-PP072480.D	PIBLK-PP072480.D	Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	20.1	100		60	140
		Decachlorobiphenyl	2	20	21.4	107		60	140
		Tetrachloro-m-xylene	1	20	18.1	91		32	144
Q2150-07	TP-51	Decachlorobiphenyl	1	20	11.8	59		32	175
		Tetrachloro-m-xylene	2	20	20.6	103		32	144
		Decachlorobiphenyl	2	20	14.1	70		32	175
		Tetrachloro-m-xylene	1	20	17.7	89		32	144
Q2150-08	TP-52	Decachlorobiphenyl	1	20	11.9	60		32	175
		Tetrachloro-m-xylene	2	20	20.1	101		32	144
		Decachlorobiphenyl	2	20	14.7	74		32	175
		Tetrachloro-m-xylene	1	20	15.8	79		32	144
Q2150-09	TP-54	Decachlorobiphenyl	1	20	12.2	61		32	175
		Tetrachloro-m-xylene	2	20	17.1	86		32	144
		Decachlorobiphenyl	2	20	13.7	69		32	175
		Tetrachloro-m-xylene	1	20	18.4	92		32	144
Q2150-10	TP-53	Decachlorobiphenyl	1	20	14.1	70		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	16.0	80		32	175
		Tetrachloro-m-xylene	1	20	18.4	92		60	140
I.BLK-PP072495.D	PIBLK-PP072495.D	Decachlorobiphenyl	1	20	19.5	98		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	21.1	105		60	140
		Tetrachloro-m-xylene	1	20	18.4	92		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP072470.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2150-02MS (Column 1)	TP-42MS AR1016	193.3	0	72.6	ug/kg	38	*			55	146	
	AR1260	193.3	0	64.4	ug/kg	33				31	146	
Client Sample ID: Q2150-02MS (Column 2)	TP-42MS AR1016	193.3	0	85.6	ug/kg	44	*			55	146	
	AR1260	193.3	0	77.2	ug/kg	40				31	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	DataFile :	<u>PP072471.D</u>

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2150-02MSD (Column 1)	TP-42MSD AR1016	193.2	0	74.5	ug/kg	39	*	3		55	146	20
	AR1260	193.2	0	67.3	ug/kg	35		6		31	146	20
Client Sample ID: Q2150-02MSD (Column 2)	TP-42MSD AR1016	193.2	0	86.5	ug/kg	45	*	2		55	146	20
	AR1260	193.2	0	79.3	ug/kg	41		2		31	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2150</u>	Analytical Method:	<u>8082A</u>
Client:	<u>CDM Smith</u>	Datafile :	<u>PP072467.D</u>

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB168208BS (Column 1)	AR1016	166.5	121	ug/kg	73				71	120		
	AR1260	166.5	123	ug/kg	74				65	130		
PB168208BS (Column 2)	AR1016	166.5	129	ug/kg	77				71	120		
	AR1260	166.5	134	ug/kg	80				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168208BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2150

SAS No.: Q2150 SDG NO.: Q2150

Lab Sample ID: PB168208BL

Lab File ID: PP072466.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/30/2025

Date Analyzed (1): 05/30/2025

Date Analyzed (2): 05/30/2025

Time Analyzed (1): 12:59

Time Analyzed (2): 12:59

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
PB168208BS	PB168208BS	PP072467.D	05/30/2025	05/30/2025
TP-44	Q2150-01	PP072468.D	05/30/2025	05/30/2025
TP-42	Q2150-02	PP072469.D	05/30/2025	05/30/2025
TP-42MS	Q2150-02MS	PP072470.D	05/30/2025	05/30/2025
TP-42MSD	Q2150-02MSD	PP072471.D	05/30/2025	05/30/2025
TP-39	Q2150-03	PP072472.D	05/30/2025	05/30/2025
TP-48	Q2150-04	PP072473.D	05/30/2025	05/30/2025
TP-47	Q2150-05	PP072474.D	05/30/2025	05/30/2025
TP-50	Q2150-06	PP072475.D	05/30/2025	05/30/2025
TP-51	Q2150-07	PP072481.D	05/30/2025	05/30/2025
TP-52	Q2150-08	PP072482.D	05/30/2025	05/30/2025
TP-54	Q2150-09	PP072483.D	05/30/2025	05/30/2025
TP-53	Q2150-10	PP072484.D	05/30/2025	05/30/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB168208BL	SDG No.:	Q2150
Lab Sample ID:	PB168208BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072466.D	1	05/30/25 08:50	05/30/25 12:59	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.6		32 - 144	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	122%	SPK: 20

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-PP072163.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072163.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072163.D	1		05/19/25	PP051925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	82%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		60 - 140	84%	SPK: 20

Comments:

U = Not Detected

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072465.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072465.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072465.D	1		05/30/25	pp053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		60 - 140	98%	SPK: 20

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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072480.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072480.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072480.D	1		05/30/25	pp053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		60 - 140	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 140	97%	SPK: 20

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:	05/30/25
Project:	South River WM Replacement	Date Received:	05/30/25
Client Sample ID:	PIBLK-PP072495.D	SDG No.:	Q2150
Lab Sample ID:	I.BLK-PP072495.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072495.D	1		05/30/25	pp053025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		60 - 140	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		60 - 140	98%	SPK: 20

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

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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:		
Project:	South River WM Replacement		Date Received:		
Client Sample ID:	PB168208BS		SDG No.:	Q2150	
Lab Sample ID:	PB168208BS		Matrix:	SOIL	
Analytical Method:	8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072467.D	1	05/30/25 08:50	05/30/25 13:15	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	129		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	134		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.6		32 - 175	118%	SPK: 20

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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42MS	SDG No.:	Q2150
Lab Sample ID:	Q2150-02MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072470.D	1	05/30/25 08:50	05/30/25 14:04	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	85.6		4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	77.2		3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.1		32 - 175	81%	SPK: 20

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:	05/27/25
Project:	South River WM Replacement	Date Received:	05/28/25
Client Sample ID:	TP-42MSD	SDG No.:	Q2150
Lab Sample ID:	Q2150-02MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	86.2
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072471.D	1	05/30/25 08:50	05/30/25 14:20	PB168208

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	86.5		4.60	19.7	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	19.7	ug/kg
11141-16-5	Aroclor-1232	4.30	U	4.30	19.7	ug/kg
53469-21-9	Aroclor-1242	4.60	U	4.60	19.7	ug/kg
12672-29-6	Aroclor-1248	6.90	U	6.90	19.7	ug/kg
11097-69-1	Aroclor-1254	3.70	U	3.70	19.7	ug/kg
37324-23-5	Aroclor-1262	5.80	U	5.80	19.7	ug/kg
11100-14-4	Aroclor-1268	4.20	U	4.20	19.7	ug/kg
11096-82-5	Aroclor-1260	79.3		3.70	19.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.8		32 - 175	84%	SPK: 20

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



CALIBRATION SUMMARY

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

Calibration Times: 09:42 18:25

LAB FILE ID: RT 1000 = PP072164.D RT 750 = PP072165.D
RT 500 = PP072166.D RT 250 = PP072167.D RT 050 = PP072168.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.22	10.22	10.22	10.22	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene	4.50	4.50	4.50	4.50	4.50	4.50	4.40	4.60
Aroclor-1268-1 (1)	8.72	8.72	8.72	8.72	8.72	8.72	8.62	8.82
Aroclor-1268-2 (2)	8.81	8.82	8.81	8.81	8.81	8.81	8.71	8.91
Aroclor-1268-3 (3)	9.04	9.05	9.04	9.04	9.05	9.04	8.94	9.14
Aroclor-1268-4 (4)	9.46	9.46	9.46	9.46	9.46	9.46	9.36	9.56
Aroclor-1268-5 (5)	9.88	9.88	9.88	9.88	9.88	9.88	9.78	9.98
Decachlorobiphenyl	10.22	10.22	10.22	10.21	10.22	10.22	10.12	10.32
Tetrachloro-m-xylene	4.50	4.51	4.50	4.50	4.50	4.50	4.40	4.60

A
B
C
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L

Calibration Times: 09:42 18:25

ID: 0.32 (mm)

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90
Aroclor-1268-1 (1)	7.70	7.70	7.70	7.70	7.70	7.70	7.60	7.80
Aroclor-1268-2 (2)	7.77	7.77	7.77	7.77	7.77	7.77	7.67	7.87
Aroclor-1268-3 (3)	7.97	7.97	7.97	7.97	7.97	7.97	7.87	8.07
Aroclor-1268-4 (4)	8.27	8.27	8.27	8.27	8.27	8.27	8.17	8.37
Aroclor-1268-5 (5)	8.57	8.57	8.57	8.57	8.57	8.57	8.47	8.67
Decachlorobiphenyl	8.83	8.83	8.83	8.82	8.82	8.83	8.73	8.93
Tetrachloro-m-xylene	3.80	3.80	3.80	3.80	3.80	3.80	3.70	3.90

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

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

Instrument ID: ECD_P

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

Calibration Times: 09:42 18:25

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

LAB FILE ID:		CF 1000 = <u>PP072164.D</u>		CF 750 = <u>PP072165.D</u>			
CF 500 = <u>PP072166.D</u>		CF 250 = <u>PP072167.D</u>		CF 050 = <u>PP072168.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	66878491	69828851	76010044	83211968	79488900	75083651
Aroclor-1016-2	(2)	99468528	104467549	110518222	118579572	101924480	106991670
Aroclor-1016-3	(3)	61412187	64234915	67714060	73550892	60912680	65564947
Aroclor-1016-4	(4)	50363803	53404009	55311866	58220708	49049560	53269989
Aroclor-1016-5	(5)	45437165	47941741	49914606	51189784	50062640	48909187
Aroclor-1260-1	(1)	85553757	90346417	93957158	98060904	100055640	93594775
Aroclor-1260-2	(2)	135650987	137755076	143609204	149400496	151032820	143489717
Aroclor-1260-3	(3)	109042220	112821207	117388622	121236852	108865120	113870804
Aroclor-1260-4	(4)	102101329	107107725	110940768	114591832	101771400	107302611
Aroclor-1260-5	(5)	228876095	233706888	240834266	249937120	229956720	236662218
Decachlorobiphenyl		1538266220	1617591187	1654764640	1712186920	1622812600	1629124313
Tetrachloro-m-xylene		1944699760	2026562000	2072807240	2135906680	1874026800	2010800496
Aroclor-1232-1	(1)	44075653	45896815	48002922	48247276	49319600	47108453
Aroclor-1232-2	(2)	21717379	22928696	23244388	23029808	25495660	23283186
Aroclor-1232-3	(3)	46772523	50148184	51844656	54382920	47167260	50063109
Aroclor-1232-4	(4)	23238504	24146713	24804390	26183196	27122440	25099049
Aroclor-1232-5	(5)	15752983	16470224	16442412	18109320	20822780	17519544
Decachlorobiphenyl		1545279190	1600827560	1672901480	1703701720	1499866000	1604515190
Tetrachloro-m-xylene		1886122400	2000973440	2054641840	2122290120	1923172600	1997440080
Aroclor-1242-1	(1)	56211553	57323072	62083360	65843868	71524840	62597339
Aroclor-1242-2	(2)	82973080	85971496	91883334	97584776	75486540	86779845
Aroclor-1242-3	(3)	51559127	52121972	55496172	57080948	59071260	55065896
Aroclor-1242-4	(4)	41207603	43030657	45948576	46781836	44776460	44349026
Aroclor-1242-5	(5)	47977894	48696228	50879554	52435600	54934800	50984815
Decachlorobiphenyl		1526214180	1567133680	1645977640	1728993240	1487418400	1591147428
Tetrachloro-m-xylene		1827808490	1928927520	1991275140	2114690400	1713029600	1915146230
Aroclor-1248-1	(1)	44038397	47472432	47912646	51445364	51108500	48395468
Aroclor-1248-2	(2)	56984732	59400859	61165396	63476680	62172680	60640069
Aroclor-1248-3	(3)	64677132	65813748	68767932	70638012	61003720	66180109
Aroclor-1248-4	(4)	81606824	85304428	88412180	92196600	89440360	87392078
Aroclor-1248-5	(5)	77587697	81003728	83211240	86851844	86474060	83025714
Decachlorobiphenyl		1573368300	1599269360	1663196880	1714969280	1478724200	1605905604
Tetrachloro-m-xylene		1880240370	1909383627	1990709860	2112434560	1856348600	1949823403
Aroclor-1254-1	(1)	79792123	82783284	86922424	91684028	88834440	86003260

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	120142096	124850076	131105324	134547092	142741880	130677294	7
Aroclor-1254-3	(3)	124307316	127832729	133782854	136984312	137108200	132003082	4
Aroclor-1254-4	(4)	116304358	118550812	124418220	136069712	157210520	130510724	13
Aroclor-1254-5	(5)	107938622	112056604	116315218	117138120	102784720	111246657	5
Decachlorobiphenyl		1576500070	1614032093	1688035380	1708021160	1475084400	1612334621	6
Tetrachloro-m-xylene		1869066560	1948875347	2032435420	2069900400	1617536400	1907562825	9
Aroclor-1268-1	(1)	315692357	322966827	337626016	351356792	338115380	333151474	4
Aroclor-1268-2	(2)	265886956	272371317	285215132	296487980	279979560	279988189	4
Aroclor-1268-3	(3)	227961300	235081659	247250176	255747588	241284760	241465097	4
Aroclor-1268-4	(4)	101392203	104765767	107968348	108360296	102254740	104948271	3
Aroclor-1268-5	(5)	651541042	667177075	686960040	706355632	672967440	677000246	3
Decachlorobiphenyl		2733685450	2815599213	2937966700	3038738360	2636754200	2832548785	6
Tetrachloro-m-xylene		1849618000	1900065360	1995699220	2054630680	1744336400	1908869932	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

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

Instrument ID: ECD_P

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

Calibration Times: 09:42 18:25

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

LAB FILE ID:		CF 1000 = <u>PP072164.D</u>		CF 750 = <u>PP072165.D</u>			
CF 500 = <u>PP072166.D</u>		CF 250 = <u>PP072167.D</u>		CF 050 = <u>PP072168.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	54525663	58849481	59632288	64515432	69624760	61429525
Aroclor-1016-2	(2)	79772717	86154421	85288758	92453296	95277560	87789350
Aroclor-1016-3	(3)	42641318	46352395	47330430	50989192	50959120	47654491
Aroclor-1016-4	(4)	33654246	36754908	37811202	41521120	40485160	38045327
Aroclor-1016-5	(5)	43791070	47744144	49105368	53701332	54780200	49824423
Aroclor-1260-1	(1)	72244144	75307759	80373306	84844232	85999160	79753720
Aroclor-1260-2	(2)	87664004	90365408	98490088	104924488	125666920	101422182
Aroclor-1260-3	(3)	79909091	81326363	88937536	92494016	91844780	86902357
Aroclor-1260-4	(4)	64349922	67685321	72647720	77711116	78060640	72090944
Aroclor-1260-5	(5)	161315528	166937577	177635780	187517596	174713540	173624004
Decachlorobiphenyl		920208980	1044964960	1093136160	1163579000	1071118200	1058601460
Tetrachloro-m-xylene		1547649930	1584243107	1593704220	1639561360	1626633000	1598358323
Aroclor-1232-1	(1)	37616932	40592059	45290150	47667724	45555860	43344545
Aroclor-1232-2	(2)	39358353	42024527	44532022	47402620	47585980	44180700
Aroclor-1232-3	(3)	20796080	22347549	23808552	25172964	24790340	23383097
Aroclor-1232-4	(4)	17897124	19415229	20680720	21689292	23918420	20720157
Aroclor-1232-5	(5)	19472370	21237964	22534450	24219412	28307940	23154427
Decachlorobiphenyl		991061470	1069964400	1120483020	1147415120	1151969600	1096178722
Tetrachloro-m-xylene		1503650850	1560846907	1685979140	1671096560	1578260800	1599966851
Aroclor-1242-1	(1)	46123670	49902476	52843000	57237560	54435320	52108405
Aroclor-1242-2	(2)	66003789	71039361	75471286	80940564	74026140	73496228
Aroclor-1242-3	(3)	34394227	38777200	41064482	44714476	36677280	39125533
Aroclor-1242-4	(4)	32146418	36854119	38826456	43192656	36894340	37582798
Aroclor-1242-5	(5)	41776015	46613400	48754570	54226988	49917340	48257663
Decachlorobiphenyl		967171680	1074707920	1046164720	1163123680	1078294400	1065892480
Tetrachloro-m-xylene		1545621850	1670448987	1600956100	1623877080	1377345600	1563649923
Aroclor-1248-1	(1)	38942472	38080832	42980810	46736940	49867020	43321615
Aroclor-1248-2	(2)	50685144	49386624	55814958	61079164	65420760	56477330
Aroclor-1248-3	(3)	53612101	51937139	58301874	64007240	67677000	59107071
Aroclor-1248-4	(4)	63542852	61081784	68799052	75621092	79219440	69652844
Aroclor-1248-5	(5)	63751699	62374025	69241268	74501112	78829180	69739457
Decachlorobiphenyl		1077930460	1066864453	1129616840	1218519160	1187538600	1136093903
Tetrachloro-m-xylene		1585370290	1544149787	1686359520	1807980440	1717995000	1668371007
Aroclor-1254-1	(1)	88394708	92134828	103452628	109580892	106208260	99954263

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	75158218	78808232	90151838	93786952	93629340	86306916	10
Aroclor-1254-3	(3)	118588697	123091027	137573488	140955076	122895140	128620686	8
Aroclor-1254-4	(4)	76184182	79817879	90049888	92363636	88066400	85296397	8
Aroclor-1254-5	(5)	103321222	111630831	120507404	120857332	110441220	113351602	7
Decachlorobiphenyl		1048618240	1081081133	1110321040	1211638680	1138223000	1117976419	6
Tetrachloro-m-xylene		1515554540	1677026120	1758978840	1703246040	1394379800	1609837068	9
Aroclor-1268-1	(1)	212587803	222334836	235771254	243664628	256729280	234217560	7
Aroclor-1268-2	(2)	188526781	196925783	208389682	217661736	222594360	206819668	7
Aroclor-1268-3	(3)	155195263	161035703	174669460	176674312	179279020	169370752	6
Aroclor-1268-4	(4)	67370219	71019111	74855072	76562592	74977520	72956903	5
Aroclor-1268-5	(5)	431064337	442819956	457037218	461770552	492119380	456962289	5
Decachlorobiphenyl		1753973260	1820277787	1902401960	1966032280	2130248600	1914586777	8
Tetrachloro-m-xylene		1581658390	1604094987	1649636500	1662342440	1498230000	1599192463	4

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

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

Instrument ID: ECD_P 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	
Aroclor-1221	500	1	4.70	4.60	4.80	25133000
		2	4.79	4.69	4.89	17981400
		3	4.86	4.76	4.96	58509600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.09	7.99	8.19	133245000
		2	8.41	8.31	8.51	272386000
		3	8.72	8.62	8.82	185530000
		4	8.81	8.71	8.91	134281000
		5	9.46	9.36	9.56	92460600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

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

Instrument ID: ECD_P 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	
Aroclor-1221	500	1	4.01	3.91	4.11	23124400
		2	4.09	3.99	4.19	17698400
		3	4.17	4.07	4.27	52270400
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.92	6.82	7.02	113028000
		2	7.18	7.08	7.28	97127000
		3	7.70	7.60	7.80	81531200
		4	7.77	7.67	7.87	140624000
		5	8.27	8.17	8.37	65083800

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:21 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 10:21 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.11	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.17	7.18	7.08	7.28	0.01
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.01
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

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

Lab Sample No.: AR1660CCC500 Data File : PP072461.D Time Analyzed: 10:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.655	5.552	5.752	422.630	500.000	-15.5
Aroclor-1016-2	5.676	5.574	5.774	470.170	500.000	-6.0
Aroclor-1016-3	5.738	5.636	5.836	468.320	500.000	-6.3
Aroclor-1016-4	5.836	5.734	5.934	488.430	500.000	-2.3
Aroclor-1016-5	6.128	6.027	6.227	478.290	500.000	-4.3
Aroclor-1260-1	7.247	7.147	7.347	455.460	500.000	-8.9
Aroclor-1260-2	7.501	7.401	7.601	471.800	500.000	-5.6
Aroclor-1260-3	7.859	7.760	7.960	493.710	500.000	-1.3
Aroclor-1260-4	8.083	7.985	8.185	484.210	500.000	-3.2
Aroclor-1260-5	8.402	8.303	8.503	506.790	500.000	1.4
Decachlorobiphenyl	10.210	10.113	10.313	52.720	50.000	5.4
Tetrachloro-m-xylene	4.502	4.396	4.596	47.950	50.000	-4.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

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

Lab Sample No.: AR1660CCC500 Data File : PP072461.D Time Analyzed: 10:21

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.878	4.777	4.977	498.390	500.000	-0.3
Aroclor-1016-2	4.896	4.795	4.995	499.930	500.000	0.0
Aroclor-1016-3	5.073	4.973	5.173	502.840	500.000	0.6
Aroclor-1016-4	5.114	5.015	5.215	506.060	500.000	1.2
Aroclor-1016-5	5.329	5.229	5.429	496.780	500.000	-0.6
Aroclor-1260-1	6.361	6.264	6.464	523.800	500.000	4.8
Aroclor-1260-2	6.550	6.453	6.653	499.500	500.000	-0.1
Aroclor-1260-3	6.702	6.606	6.806	530.710	500.000	6.1
Aroclor-1260-4	7.173	7.077	7.277	518.770	500.000	3.8
Aroclor-1260-5	7.415	7.319	7.519	517.690	500.000	3.5
Decachlorobiphenyl	8.816	8.723	8.923	55.760	50.000	11.5
Tetrachloro-m-xylene	3.796	3.691	3.891	49.680	50.000	-0.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 16:15 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 16:15 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.01
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.70	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

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

Lab Sample No.: AR1660CCC500 Data File : PP072476.D Time Analyzed: 16:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.655	5.552	5.752	416.340	500.000	-16.7
Aroclor-1016-2	5.677	5.574	5.774	449.250	500.000	-10.2
Aroclor-1016-3	5.739	5.636	5.836	436.950	500.000	-12.6
Aroclor-1016-4	5.837	5.734	5.934	456.260	500.000	-8.7
Aroclor-1016-5	6.129	6.027	6.227	446.620	500.000	-10.7
Aroclor-1260-1	7.248	7.147	7.347	438.650	500.000	-12.3
Aroclor-1260-2	7.501	7.401	7.601	447.180	500.000	-10.6
Aroclor-1260-3	7.860	7.760	7.960	462.100	500.000	-7.6
Aroclor-1260-4	8.084	7.985	8.185	456.590	500.000	-8.7
Aroclor-1260-5	8.403	8.303	8.503	467.390	500.000	-6.5
Decachlorobiphenyl	10.211	10.113	10.313	48.580	50.000	-2.8
Tetrachloro-m-xylene	4.503	4.396	4.596	46.790	50.000	-6.4

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

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

Lab Sample No.: AR1660CCC500 Data File : PP072476.D Time Analyzed: 16:15

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.878	4.777	4.977	482.170	500.000	-3.6
Aroclor-1016-2	4.896	4.795	4.995	495.180	500.000	-1.0
Aroclor-1016-3	5.074	4.973	5.173	495.170	500.000	-1.0
Aroclor-1016-4	5.115	5.015	5.215	501.040	500.000	0.2
Aroclor-1016-5	5.330	5.229	5.429	493.810	500.000	-1.2
Aroclor-1260-1	6.362	6.264	6.464	516.350	500.000	3.3
Aroclor-1260-2	6.551	6.453	6.653	491.560	500.000	-1.7
Aroclor-1260-3	6.704	6.606	6.806	527.110	500.000	5.4
Aroclor-1260-4	7.175	7.077	7.277	515.270	500.000	3.1
Aroclor-1260-5	7.416	7.319	7.519	509.650	500.000	1.9
Decachlorobiphenyl	8.819	8.723	8.923	51.310	50.000	2.6
Tetrachloro-m-xylene	3.796	3.691	3.891	50.540	50.000	1.1

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 21:09 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.66	5.65	5.55	5.75	-0.01
Aroclor-1016-2	(2)	5.68	5.67	5.57	5.77	-0.01
Aroclor-1016-3	(3)	5.74	5.74	5.64	5.84	0.00
Aroclor-1016-4	(4)	5.84	5.83	5.73	5.93	-0.01
Aroclor-1016-5	(5)	6.13	6.13	6.03	6.23	0.00
Aroclor-1260-1	(1)	7.25	7.25	7.15	7.35	0.00
Aroclor-1260-2	(2)	7.50	7.50	7.40	7.60	0.00
Aroclor-1260-3	(3)	7.86	7.86	7.76	7.96	0.00
Aroclor-1260-4	(4)	8.08	8.09	7.99	8.19	0.01
Aroclor-1260-5	(5)	8.40	8.40	8.30	8.50	0.00
Tetrachloro-m-xylene		4.50	4.50	4.40	4.60	0.00
Decachlorobiphenyl		10.21	10.21	10.11	10.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

Continuing Calib Date: 05/30/2025 Initial Calibration Date(s): 05/19/2025 05/19/2025

Continuing Calib Time: 21:09 Initial Calibration Time(s): 09:42 18:25

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.88	4.88	4.78	4.98	0.00
Aroclor-1016-2	(2)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-3	(3)	5.07	5.07	4.97	5.17	0.00
Aroclor-1016-4	(4)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-5	(5)	5.33	5.33	5.23	5.43	0.00
Aroclor-1260-1	(1)	6.36	6.36	6.26	6.46	0.00
Aroclor-1260-2	(2)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-3	(3)	6.71	6.71	6.61	6.81	0.01
Aroclor-1260-4	(4)	7.18	7.18	7.08	7.28	0.00
Aroclor-1260-5	(5)	7.42	7.42	7.32	7.52	0.00
Tetrachloro-m-xylene		3.80	3.79	3.69	3.89	-0.01
Decachlorobiphenyl		8.82	8.82	8.72	8.92	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

Client Sample No.: CCAL03 Date Analyzed: 05/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP072491.D Time Analyzed: 21:09

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.552	5.752	414.050	500.000	-17.2
Aroclor-1016-2	5.677	5.574	5.774	443.170	500.000	-11.4
Aroclor-1016-3	5.739	5.636	5.836	435.990	500.000	-12.8
Aroclor-1016-4	5.837	5.734	5.934	447.390	500.000	-10.5
Aroclor-1016-5	6.129	6.027	6.227	438.220	500.000	-12.4
Aroclor-1260-1	7.248	7.147	7.347	426.950	500.000	-14.6
Aroclor-1260-2	7.501	7.401	7.601	419.840	500.000	-16.0
Aroclor-1260-3	7.860	7.760	7.960	435.350	500.000	-12.9
Aroclor-1260-4	8.084	7.985	8.185	424.930	500.000	-15.0
Aroclor-1260-5	8.403	8.303	8.503	444.970	500.000	-11.0
Decachlorobiphenyl	10.211	10.113	10.313	46.890	50.000	-6.2
Tetrachloro-m-xylene	4.503	4.396	4.596	46.710	50.000	-6.6

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

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

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

Client Sample No.: CCAL03 Date Analyzed: 05/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP072491.D Time Analyzed: 21:09

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.880	4.777	4.977	500.510	500.000	0.1
Aroclor-1016-2	4.897	4.795	4.995	505.890	500.000	1.2
Aroclor-1016-3	5.074	4.973	5.173	512.590	500.000	2.5
Aroclor-1016-4	5.116	5.015	5.215	515.110	500.000	3.0
Aroclor-1016-5	5.330	5.229	5.429	506.240	500.000	1.2
Aroclor-1260-1	6.363	6.264	6.464	499.960	500.000	0.0
Aroclor-1260-2	6.552	6.453	6.653	476.940	500.000	-4.6
Aroclor-1260-3	6.705	6.606	6.806	508.980	500.000	1.8
Aroclor-1260-4	7.175	7.077	7.277	507.230	500.000	1.4
Aroclor-1260-5	7.417	7.319	7.519	506.090	500.000	1.2
Decachlorobiphenyl	8.819	8.723	8.923	52.090	50.000	4.2
Tetrachloro-m-xylene	3.797	3.691	3.891	50.530	50.000	1.1

Analytical Sequence

Client: CDM Smith	SDG No.: Q2150	
Project: South River WM Replacement	Instrument ID: ECD_P	
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 #
IBLK	IBLK	05/19/2025	09:26	PP072163.D	10.21	4.50
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	10.21	4.50
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	10.21	4.50
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	10.21	4.50
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	10.21	4.50
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	10.21	4.50
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	10.21	4.50
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	10.21	4.50
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	10.22	4.50
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	10.21	4.50
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	10.22	4.50
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	10.21	4.50
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	10.22	4.50
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	10.22	4.50
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	10.22	4.51
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	10.21	4.50
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	10.22	4.50
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	10.22	4.51
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	10.21	4.50
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	10.22	4.50
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	10.22	4.50
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	10.21	4.50
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	10.22	4.50
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	10.22	4.50
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	10.22	4.50
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	10.22	4.50
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	10.22	4.50
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	10.22	4.50
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	10.22	4.50
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	10.22	4.51
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	10.22	4.50
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	10.21	4.50
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	10.22	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	10:21	PP072461.D	10.21	4.50
IBLK	IBLK	05/30/2025	11:29	PP072465.D	10.21	4.50
PB168208BL	PB168208BL	05/30/2025	12:59	PP072466.D	10.21	4.51
PB168208BS	PB168208BS	05/30/2025	13:15	PP072467.D	10.21	4.50
TP-44	Q2150-01	05/30/2025	13:32	PP072468.D	10.21	4.50
TP-42	Q2150-02	05/30/2025	13:48	PP072469.D	10.21	4.50
TP-42MS	Q2150-02MS	05/30/2025	14:04	PP072470.D	10.21	4.50
TP-42MSD	Q2150-02MSD	05/30/2025	14:20	PP072471.D	10.21	4.50
TP-39	Q2150-03	05/30/2025	14:37	PP072472.D	10.21	4.50

Analytical Sequence

TP-48	Q2150-04	05/30/2025	14:53	PP072473.D	10.21	4.50
TP-47	Q2150-05	05/30/2025	15:10	PP072474.D	10.21	4.50
TP-50	Q2150-06	05/30/2025	15:26	PP072475.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	16:15	PP072476.D	10.21	4.50
LBLK	LBLK	05/30/2025	17:20	PP072480.D	10.21	4.50
TP-51	Q2150-07	05/30/2025	17:37	PP072481.D	10.21	4.50
TP-52	Q2150-08	05/30/2025	17:53	PP072482.D	10.21	4.50
TP-54	Q2150-09	05/30/2025	18:09	PP072483.D	10.21	4.50
TP-53	Q2150-10	05/30/2025	18:26	PP072484.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/30/2025	21:09	PP072491.D	10.21	4.50
LBLK	LBLK	05/30/2025	22:31	PP072495.D	10.21	4.50

Analytical Sequence

Client: CDM Smith	SDG No.: Q2150	
Project: South River WM Replacement	Instrument ID: ECD_P	
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 #
1.BLK	1.BLK	05/19/2025	09:26	PP072163.D	8.82	3.79
AR1660ICC1000	AR1660ICC1000	05/19/2025	09:42	PP072164.D	8.82	3.79
AR1660ICC750	AR1660ICC750	05/19/2025	09:59	PP072165.D	8.82	3.79
AR1660ICC500	AR1660ICC500	05/19/2025	10:15	PP072166.D	8.82	3.79
AR1660ICC250	AR1660ICC250	05/19/2025	10:32	PP072167.D	8.82	3.79
AR1660ICC050	AR1660ICC050	05/19/2025	10:48	PP072168.D	8.82	3.79
AR1221ICC500	AR1221ICC500	05/19/2025	11:05	PP072169.D	8.82	3.79
AR1232ICC1000	AR1232ICC1000	05/19/2025	11:21	PP072170.D	8.82	3.80
AR1232ICC750	AR1232ICC750	05/19/2025	11:38	PP072171.D	8.82	3.80
AR1232ICC500	AR1232ICC500	05/19/2025	11:54	PP072172.D	8.82	3.80
AR1232ICC250	AR1232ICC250	05/19/2025	12:10	PP072173.D	8.82	3.80
AR1232ICC050	AR1232ICC050	05/19/2025	12:27	PP072174.D	8.82	3.80
AR1242ICC1000	AR1242ICC1000	05/19/2025	12:43	PP072175.D	8.83	3.80
AR1242ICC750	AR1242ICC750	05/19/2025	12:59	PP072176.D	8.83	3.80
AR1242ICC500	AR1242ICC500	05/19/2025	13:15	PP072177.D	8.83	3.80
AR1242ICC250	AR1242ICC250	05/19/2025	13:32	PP072178.D	8.83	3.80
AR1242ICC050	AR1242ICC050	05/19/2025	13:48	PP072179.D	8.82	3.80
AR1248ICC1000	AR1248ICC1000	05/19/2025	14:04	PP072180.D	8.83	3.80
AR1248ICC750	AR1248ICC750	05/19/2025	14:20	PP072181.D	8.83	3.80
AR1248ICC500	AR1248ICC500	05/19/2025	14:37	PP072182.D	8.83	3.80
AR1248ICC250	AR1248ICC250	05/19/2025	14:53	PP072183.D	8.83	3.80
AR1248ICC050	AR1248ICC050	05/19/2025	15:25	PP072184.D	8.82	3.80
AR1254ICC1000	AR1254ICC1000	05/19/2025	15:42	PP072185.D	8.83	3.80
AR1254ICC750	AR1254ICC750	05/19/2025	15:58	PP072186.D	8.83	3.80
AR1254ICC500	AR1254ICC500	05/19/2025	16:14	PP072187.D	8.83	3.80
AR1254ICC250	AR1254ICC250	05/19/2025	16:31	PP072188.D	8.83	3.80
AR1254ICC050	AR1254ICC050	05/19/2025	16:47	PP072189.D	8.83	3.80
AR1262ICC500	AR1262ICC500	05/19/2025	17:03	PP072190.D	8.83	3.80
AR1268ICC1000	AR1268ICC1000	05/19/2025	17:20	PP072191.D	8.83	3.80
AR1268ICC750	AR1268ICC750	05/19/2025	17:36	PP072192.D	8.83	3.80
AR1268ICC500	AR1268ICC500	05/19/2025	17:53	PP072193.D	8.83	3.80
AR1268ICC250	AR1268ICC250	05/19/2025	18:09	PP072194.D	8.82	3.80
AR1268ICC050	AR1268ICC050	05/19/2025	18:25	PP072195.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	10:21	PP072461.D	8.82	3.80
1.BLK	1.BLK	05/30/2025	11:29	PP072465.D	8.82	3.80
PB168208BL	PB168208BL	05/30/2025	12:59	PP072466.D	8.82	3.80
PB168208BS	PB168208BS	05/30/2025	13:15	PP072467.D	8.82	3.80
TP-44	Q2150-01	05/30/2025	13:32	PP072468.D	8.82	3.80
TP-42	Q2150-02	05/30/2025	13:48	PP072469.D	8.82	3.80
TP-42MS	Q2150-02MS	05/30/2025	14:04	PP072470.D	8.82	3.80
TP-42MSD	Q2150-02MSD	05/30/2025	14:20	PP072471.D	8.82	3.80
TP-39	Q2150-03	05/30/2025	14:37	PP072472.D	8.82	3.80

Analytical Sequence

TP-48	Q2150-04	05/30/2025	14:53	PP072473.D	8.82	3.80
TP-47	Q2150-05	05/30/2025	15:10	PP072474.D	8.82	3.80
TP-50	Q2150-06	05/30/2025	15:26	PP072475.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	16:15	PP072476.D	8.82	3.80
LBLK	LBLK	05/30/2025	17:20	PP072480.D	8.82	3.80
TP-51	Q2150-07	05/30/2025	17:37	PP072481.D	8.82	3.80
TP-52	Q2150-08	05/30/2025	17:53	PP072482.D	8.82	3.80
TP-54	Q2150-09	05/30/2025	18:09	PP072483.D	8.82	3.80
TP-53	Q2150-10	05/30/2025	18:26	PP072484.D	8.82	3.80
AR1660CCC500	AR1660CCC500	05/30/2025	21:09	PP072491.D	8.82	3.80
LBLK	LBLK	05/30/2025	22:31	PP072495.D	8.82	3.80

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB168208BS

Contract: CAMP02

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

Lab Sample ID: PB168208BS Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP072467.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.655	5.605	5.705	112	121	6.4
COLUMN 1	2	5.677	5.627	5.727	126		
	3	5.74	5.69	5.79	123		
	4	5.837	5.787	5.887	125		
	5	6.129	6.079	6.179	120		
	1	4.879	4.829	4.929	128		
COLUMN 2	2	4.897	4.847	4.947	131	129	
	3	5.074	5.024	5.124	131		
	4	5.115	5.065	5.165	130		
	5	5.329	5.279	5.379	128		
Aroclor-1260	1	7.248	7.198	7.298	131	123	8.56
COLUMN 1	2	7.501	7.451	7.551	129		
	3	7.86	7.81	7.91	115		
	4	8.084	8.034	8.134	121		
	5	8.404	8.354	8.454	120		
	1	6.362	6.312	6.412	140	134	
COLUMN 2	2	6.55	6.5	6.6	133		
	3	6.703	6.653	6.753	144		
	4	7.173	7.123	7.223	128		
	5	7.416	7.366	7.466	125		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-42MS

Contract: CAMP02

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

Lab Sample ID: Q2150-02MS Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP072470.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD	
			FROM	TO				
Aroclor-1016	1	5.654	5.604	5.704	70.2	72.6	16.43	
	2	5.676	5.626	5.726	73.6			
	3	5.737	5.687	5.787	72.1			
	4	5.835	5.785	5.885	76.2			
	5	6.128	6.078	6.178	70.6			
COLUMN 1								
	1	4.879	4.829	4.929	84.9	85.6		
	2	4.897	4.847	4.947	85.9			
	3	5.075	5.025	5.125	87.1			
	4	5.116	5.066	5.166	85.8			
5	5.33	5.28	5.38	84.5				
COLUMN 2								
	1	7.245	7.195	7.295	69.8	64.4	18.08	
	2	7.5	7.45	7.55	69.1			
	3	7.858	7.808	7.908	57.9			
	4	8.081	8.031	8.131	66.0			
5	8.4	8.35	8.45	59.4				
Aroclor-1260								
	1	6.363	6.313	6.413	87.7	77.2		
	2	6.552	6.502	6.602	77.8			
	3	6.704	6.654	6.754	82.5			
	4	7.175	7.125	7.225	70.2			
5	7.417	7.367	7.467	67.7				
COLUMN 1								
COLUMN 2								

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-42MSD

Contract: CAMP02

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

Lab Sample ID: Q2150-02MSD Date(s) Analyzed: 05/30/2025 05/30/2025

Instrument ID (1): ECD_P Instrument ID (2): ECD_P

GC Column: (1): ZB-MR1 ID: 0.32 (mm) GC Column: (2): ZB-MR2 ID: 0.32 (mm)

Data file PP072471.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.655	5.605	5.705	69.0	74.5	14.91
COLUMN 1	2	5.676	5.626	5.726	78.8		
	3	5.739	5.689	5.789	73.6		
	4	5.836	5.786	5.886	77.5		
	5	6.129	6.079	6.179	73.4		
	1	4.88	4.83	4.93	86.0		
COLUMN 2	2	4.898	4.848	4.948	85.7	86.5	
	3	5.075	5.025	5.125	87.7		
	4	5.116	5.066	5.166	87.5		
	5	5.331	5.281	5.381	85.7		
Aroclor-1260	1	7.246	7.196	7.296	73.3	67.3	16.37
COLUMN 1	2	7.501	7.451	7.551	71.1		
	3	7.859	7.809	7.909	60.9		
	4	8.084	8.034	8.134	69.5		
	5	8.404	8.354	8.454	61.5		
	1	6.363	6.313	6.413	89.3		
COLUMN 2	2	6.552	6.502	6.602	79.1	79.3	
	3	6.704	6.654	6.754	84.7		
	4	7.175	7.125	7.225	73.4		
	5	7.417	7.367	7.467	69.9		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072468.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 13:32
 Operator : YP\AJ
 Sample : Q2150-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-44

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 14:38:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.796	34341788	31646236	17.079m	19.799
2) SA Decachlor...	10.210	8.817	23560625	17224699	14.462	16.271

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072468.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:32
Operator : YP\AJ
Sample : Q2150-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

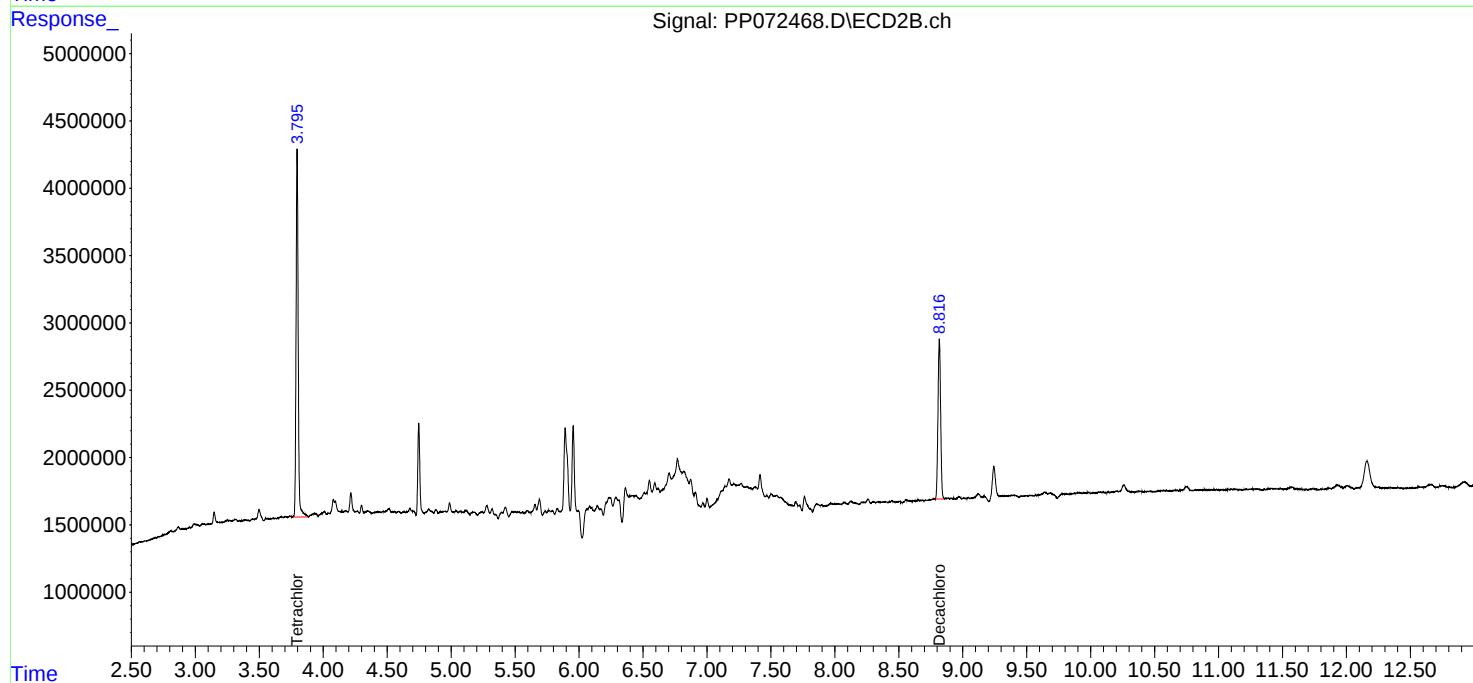
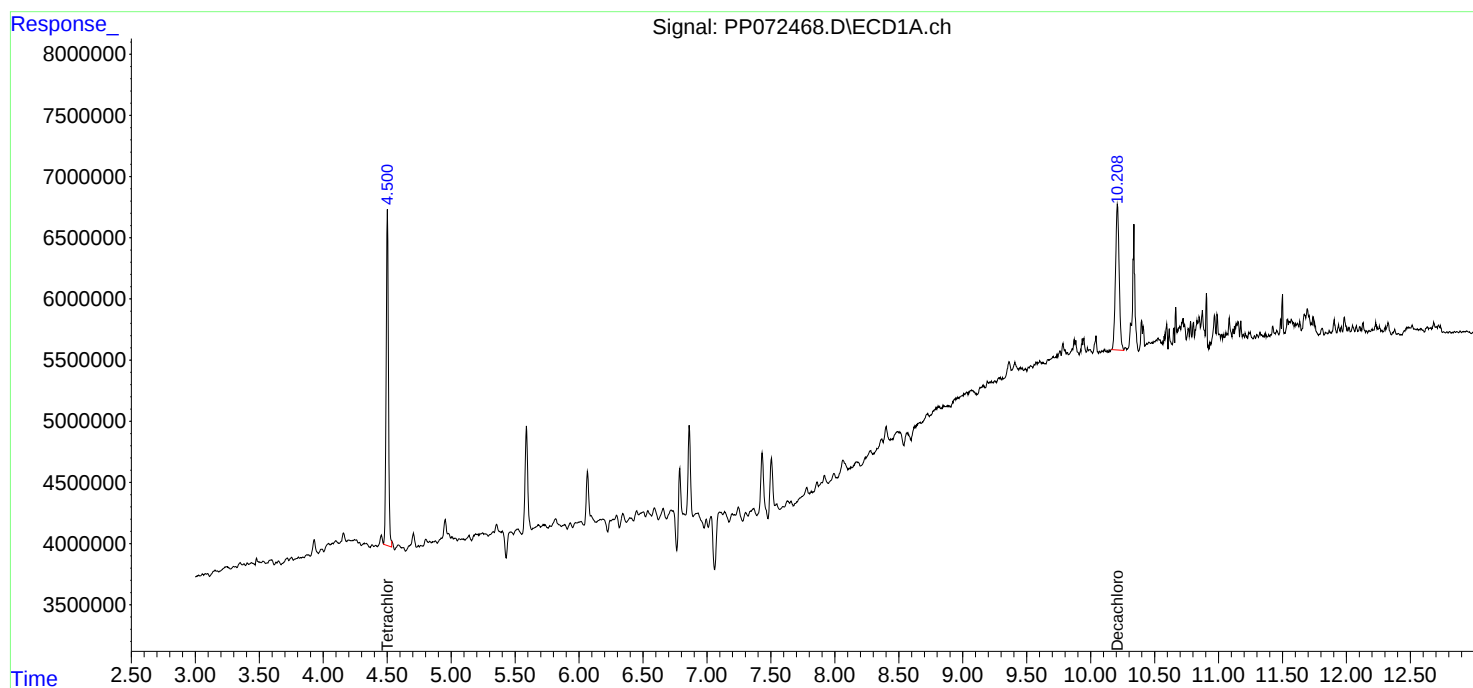
Instrument :
ECD_P
ClientSampleId :
TP-44

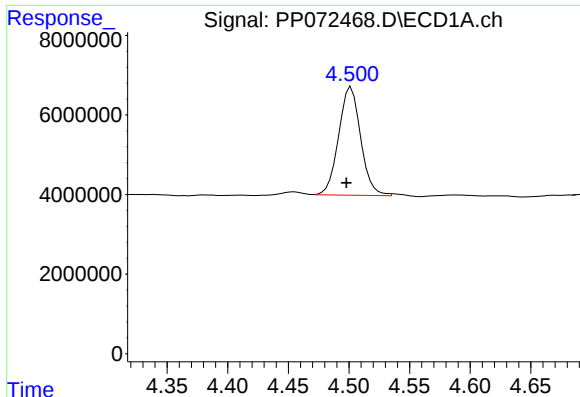
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





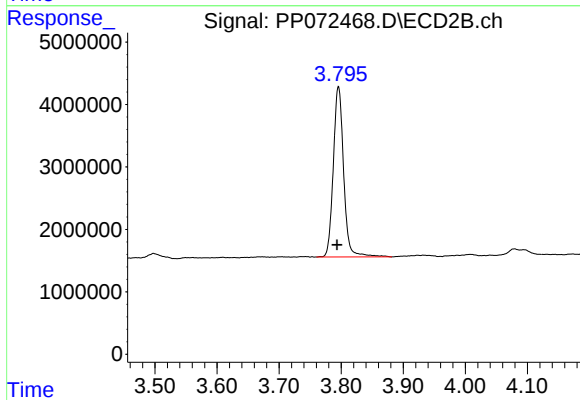
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 34341788
Conc: 17.08 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-44

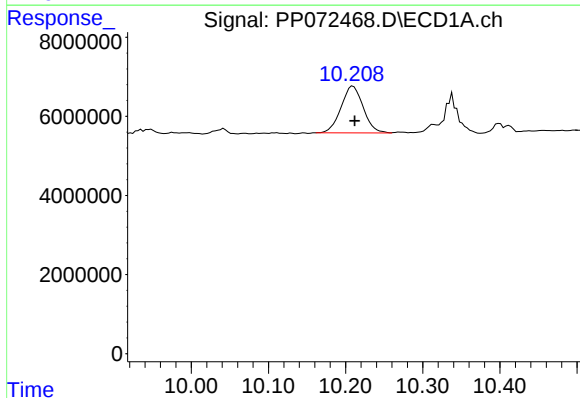
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



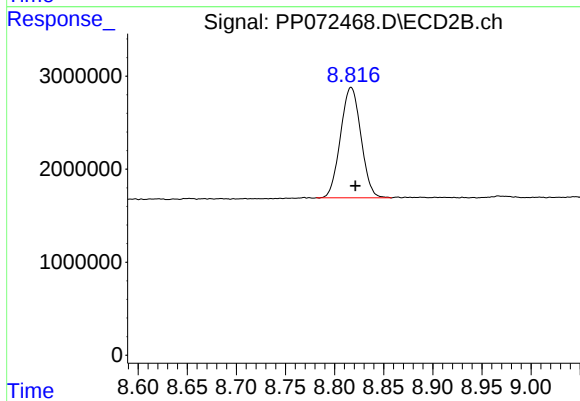
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.002 min
Response: 31646236
Conc: 19.80 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 23560625
Conc: 14.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 17224699
Conc: 16.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:48
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-42

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	35639212	32633005	17.724	20.417
2) SA Decachlor...	10.208	8.817	20572602	15817434	12.628	14.942

Target Compounds

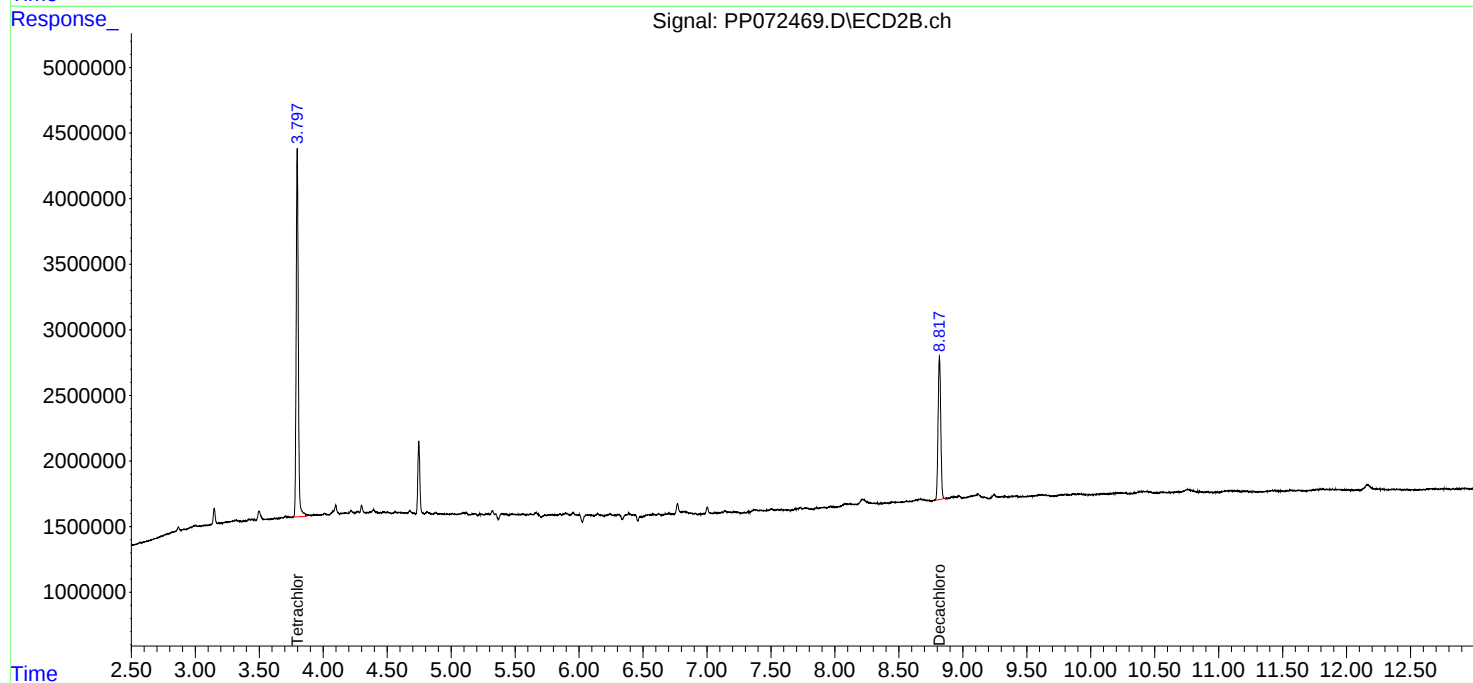
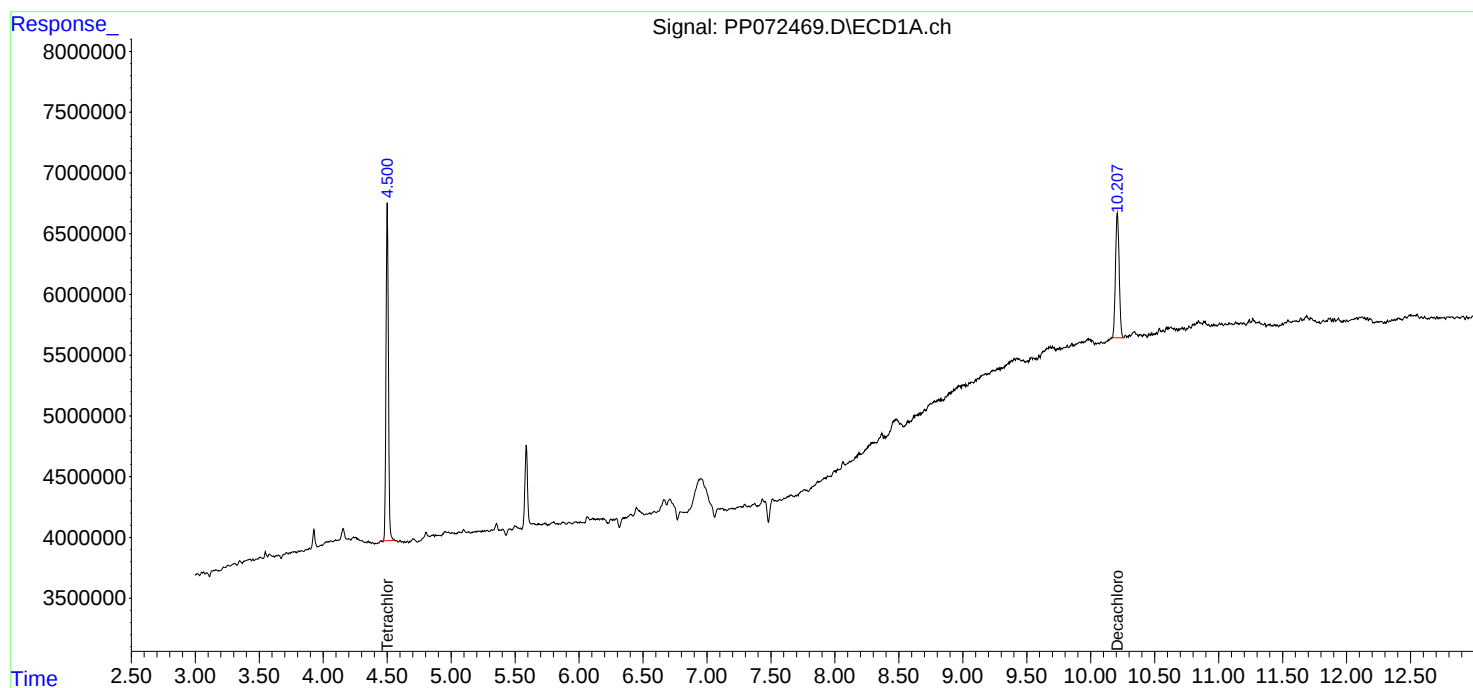
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

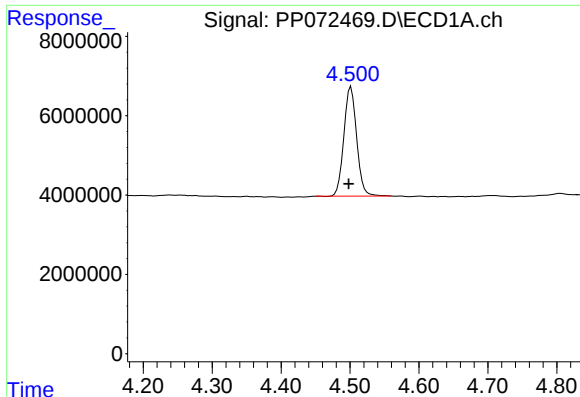
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072469.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:48
Operator : YP\AJ
Sample : Q2150-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-42

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:38:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

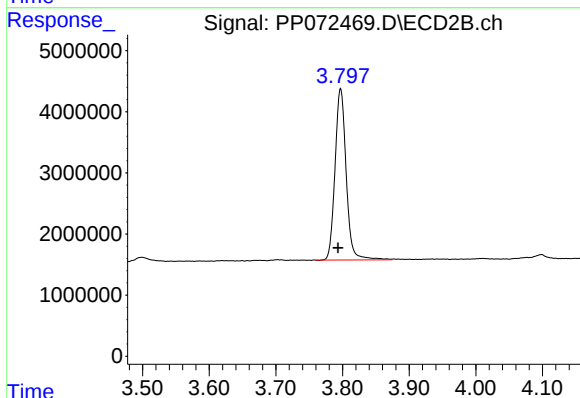




#1 Tetrachloro-m-xylene

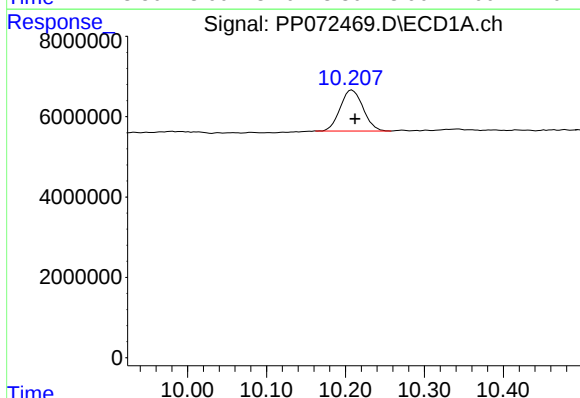
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 35639212
Conc: 17.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-42



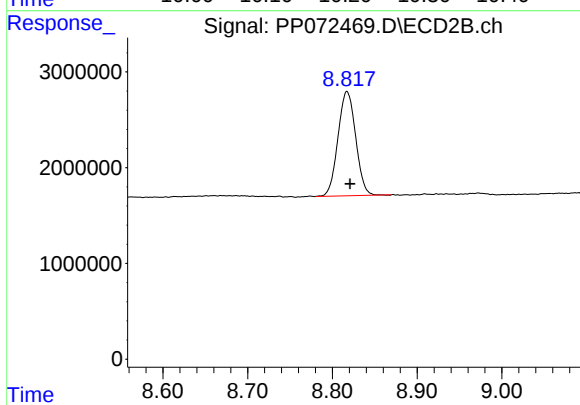
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32633005
Conc: 20.42 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.208 min
Delta R.T.: -0.004 min
Response: 20572602
Conc: 12.63 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 15817434
Conc: 14.94 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072472.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:37
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	32976165	29923480	16.400	18.721
2) SA Decachlor...	10.211	8.819	17833442	12678101	10.947	11.976

Target Compounds

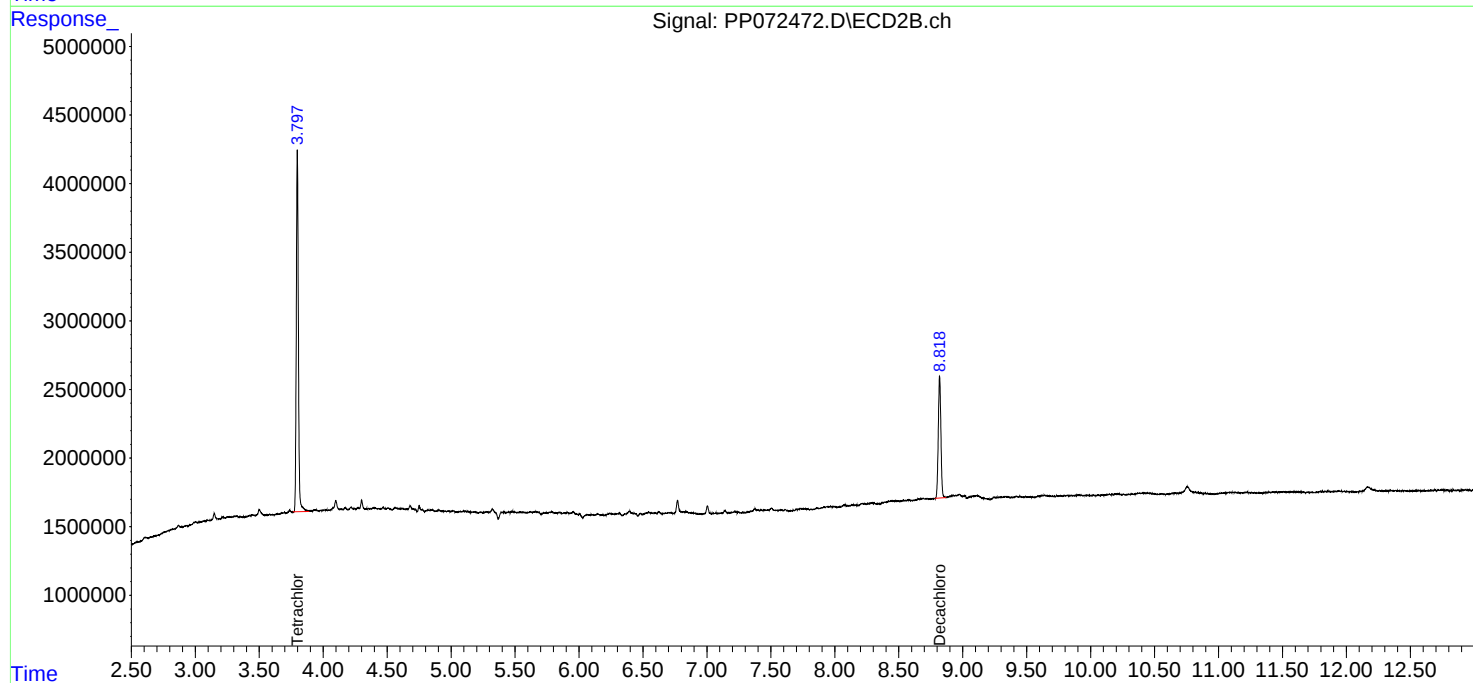
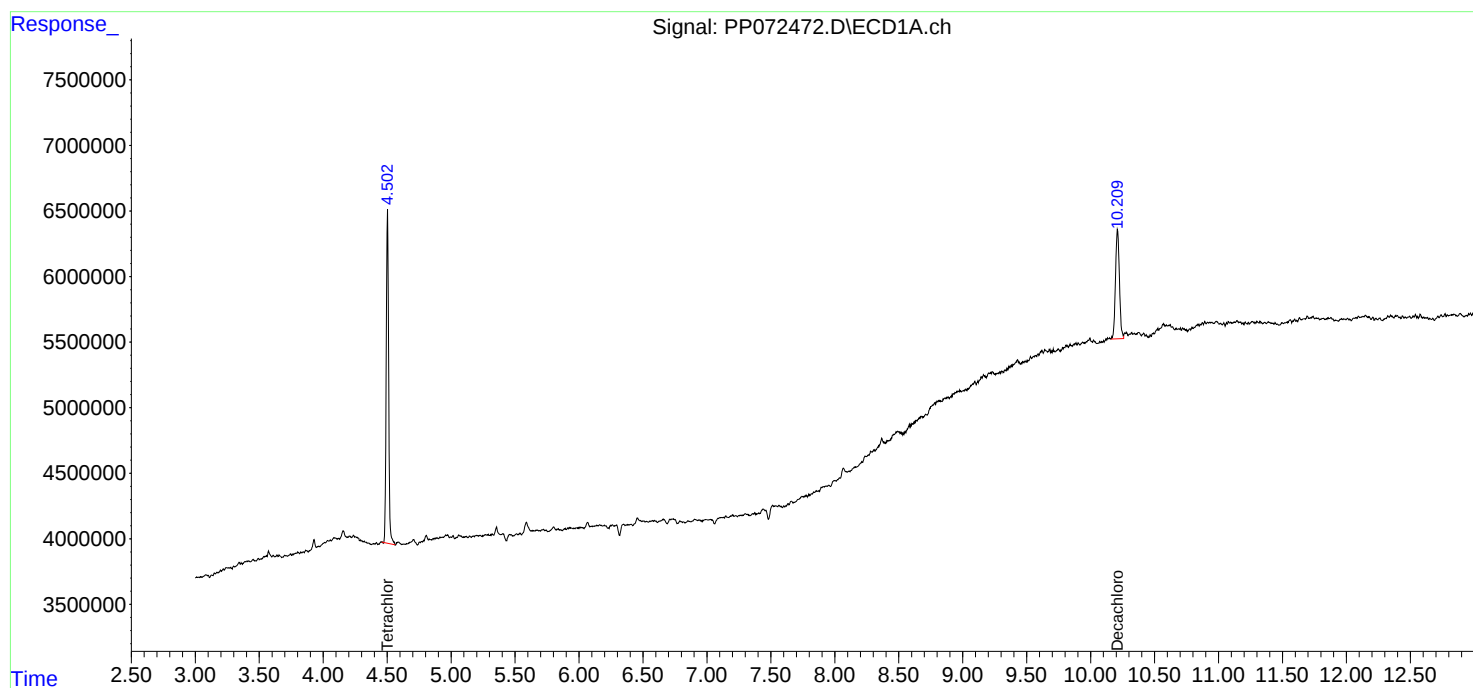
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072472.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:37
Operator : YP\AJ
Sample : Q2150-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

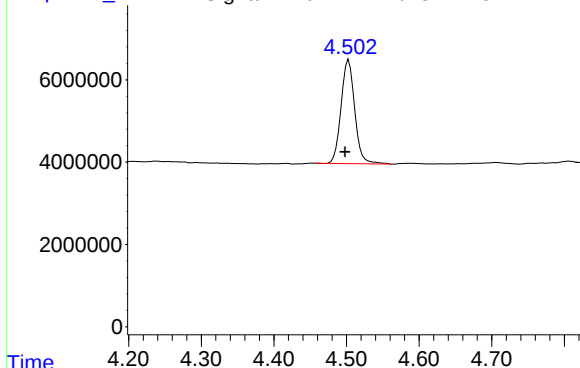
Instrument :
ECD_P
ClientSampleId :
TP-39

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PP072472.D\ECD1A.ch

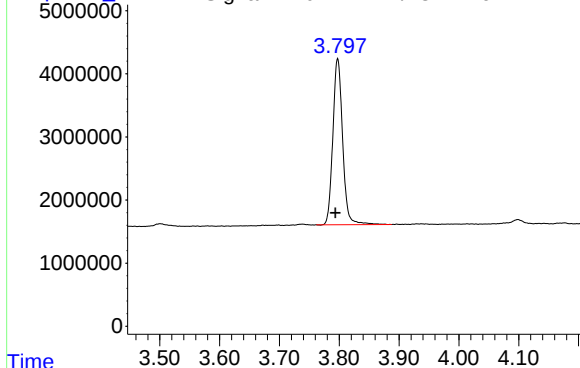


#1 Tetrachloro-m-xylene

R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 32976165
Conc: 16.40 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-39

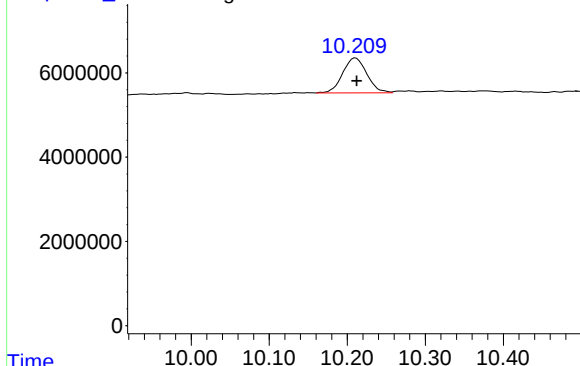
Response_ Signal: PP072472.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 29923480
Conc: 18.72 ng/ml

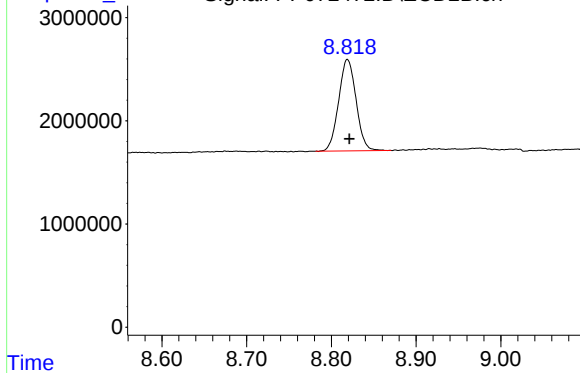
Response_ Signal: PP072472.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.001 min
Response: 17833442
Conc: 10.95 ng/ml

Response_ Signal: PP072472.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.819 min
Delta R.T.: -0.002 min
Response: 12678101
Conc: 11.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:53
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.504	3.797	32460405	28030465	16.143	17.537
2) SA Decachlor...	10.212	8.817	23231046	17205688	14.260	16.253

Target Compounds

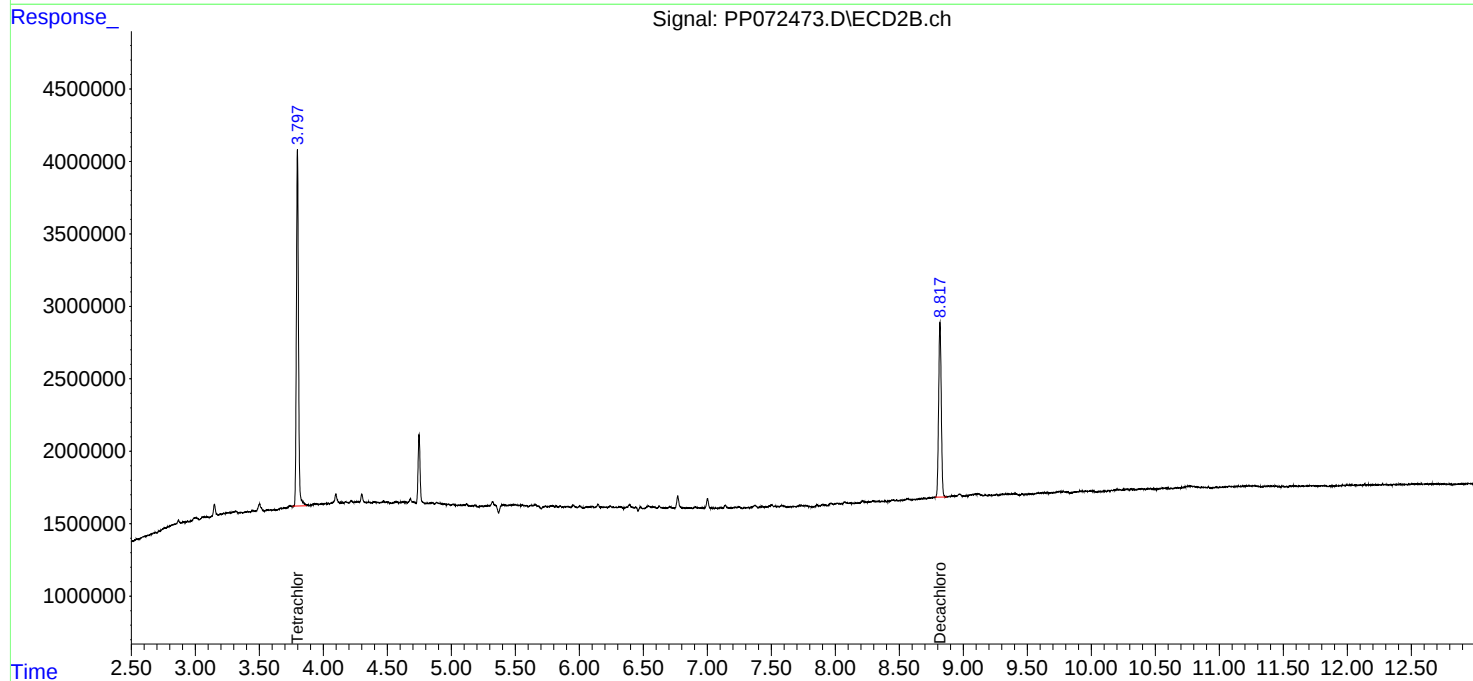
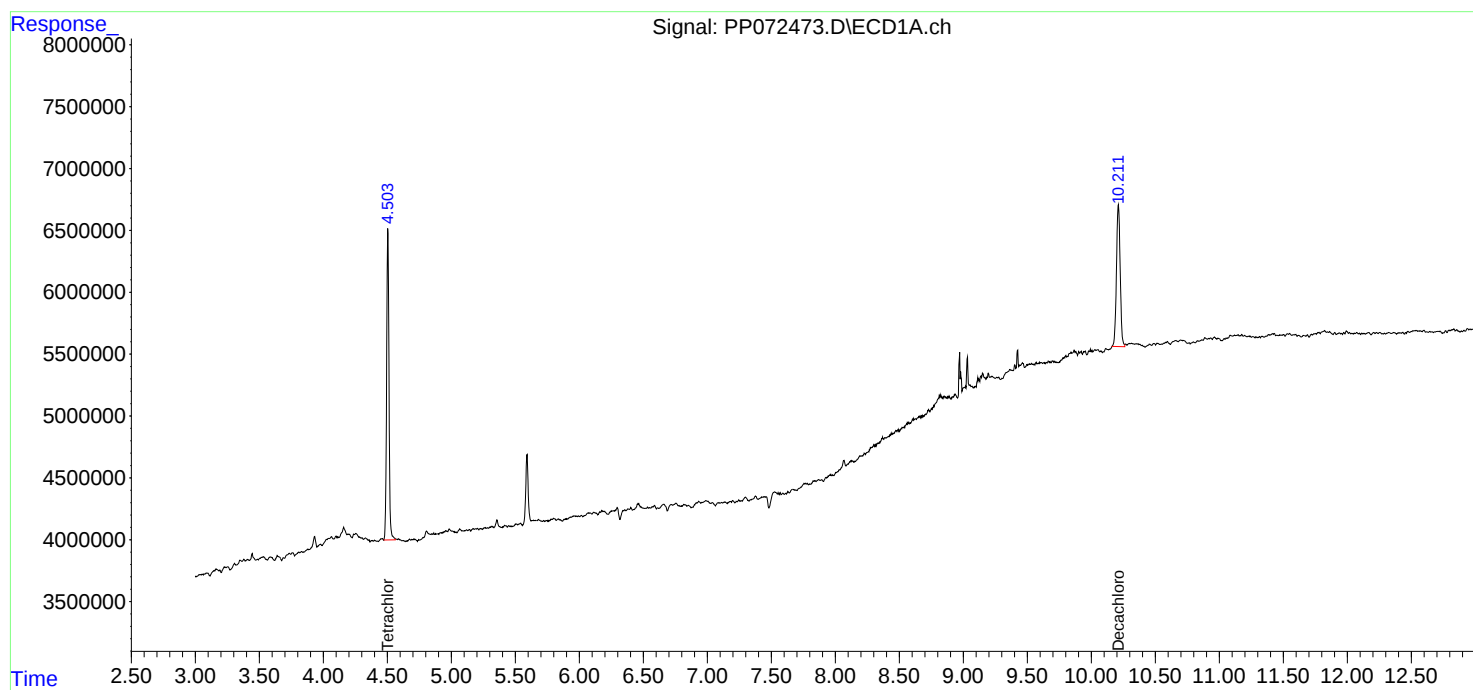
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072473.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:53
Operator : YP\AJ
Sample : Q2150-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

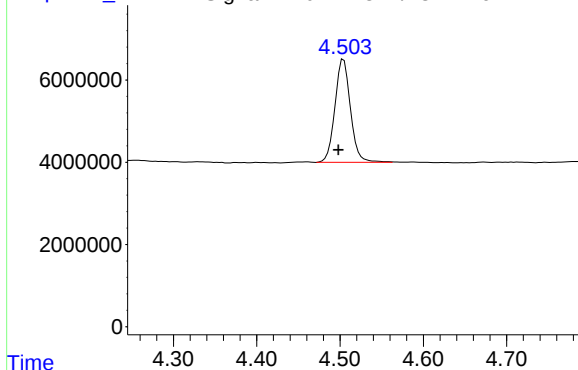
Instrument :
ECD_P
ClientSampleId :
TP-48

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Response_ Signal: PP072473.D\ECD1A.ch

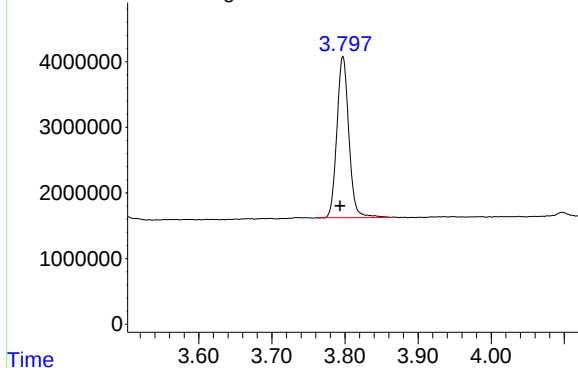


#1 Tetrachloro-m-xylene

R.T.: 4.504 min
Delta R.T.: 0.006 min
Response: 32460405
Conc: 16.14 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-48

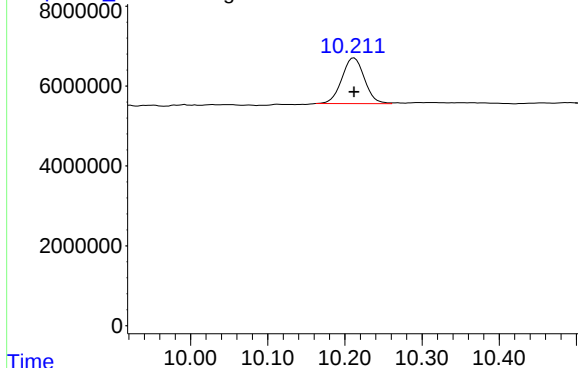
Time Response_ Signal: PP072473.D\ECD2B.ch



#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 28030465
Conc: 17.54 ng/ml

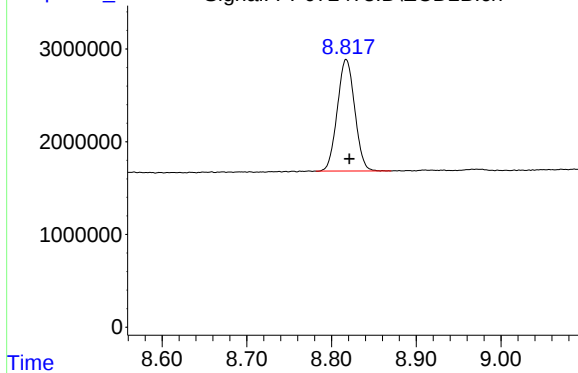
Time Response_ Signal: PP072473.D\ECD1A.ch



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: 0.000 min
Response: 23231046
Conc: 14.26 ng/ml

Time Response_ Signal: PP072473.D\ECD2B.ch



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 17205688
Conc: 16.25 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:10
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-47

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	35563776	32446850	17.686	20.300
2) SA Decachlor...	10.210	8.818	21411289	14804442	13.143	13.985

Target Compounds

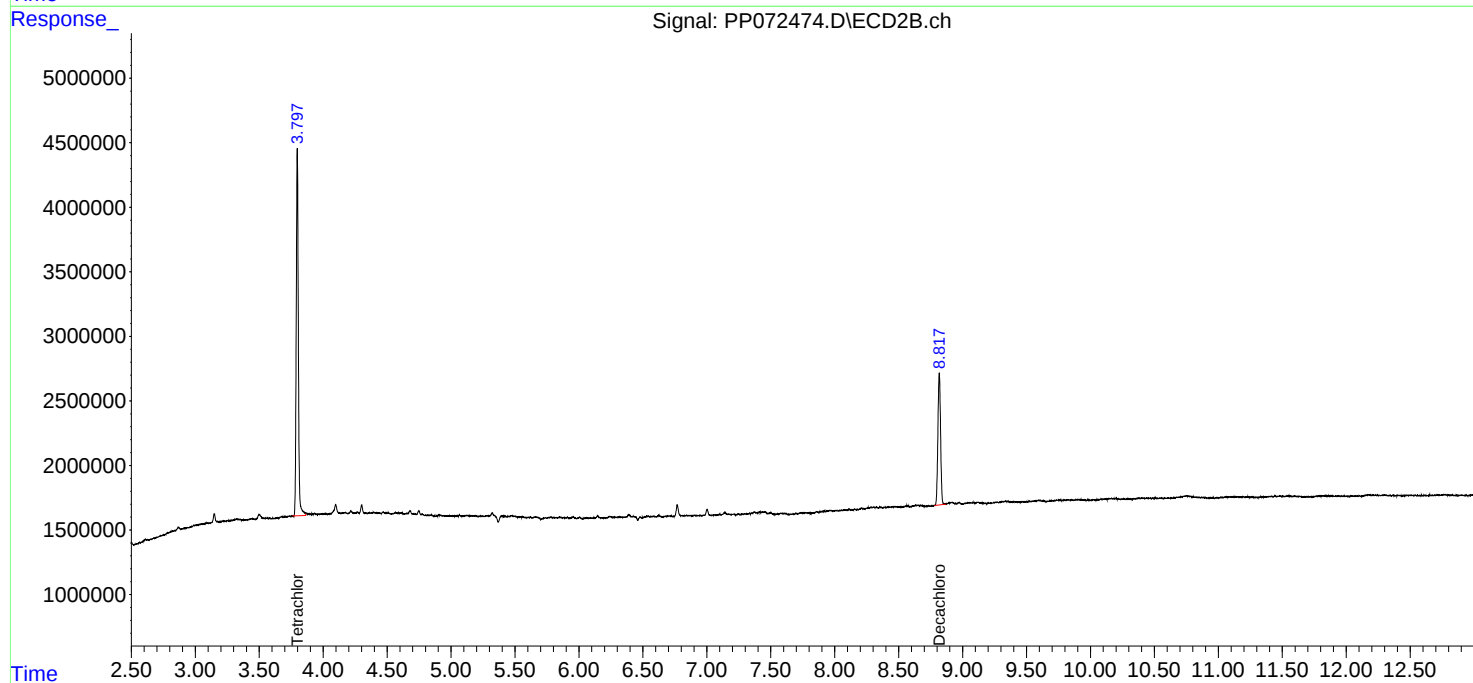
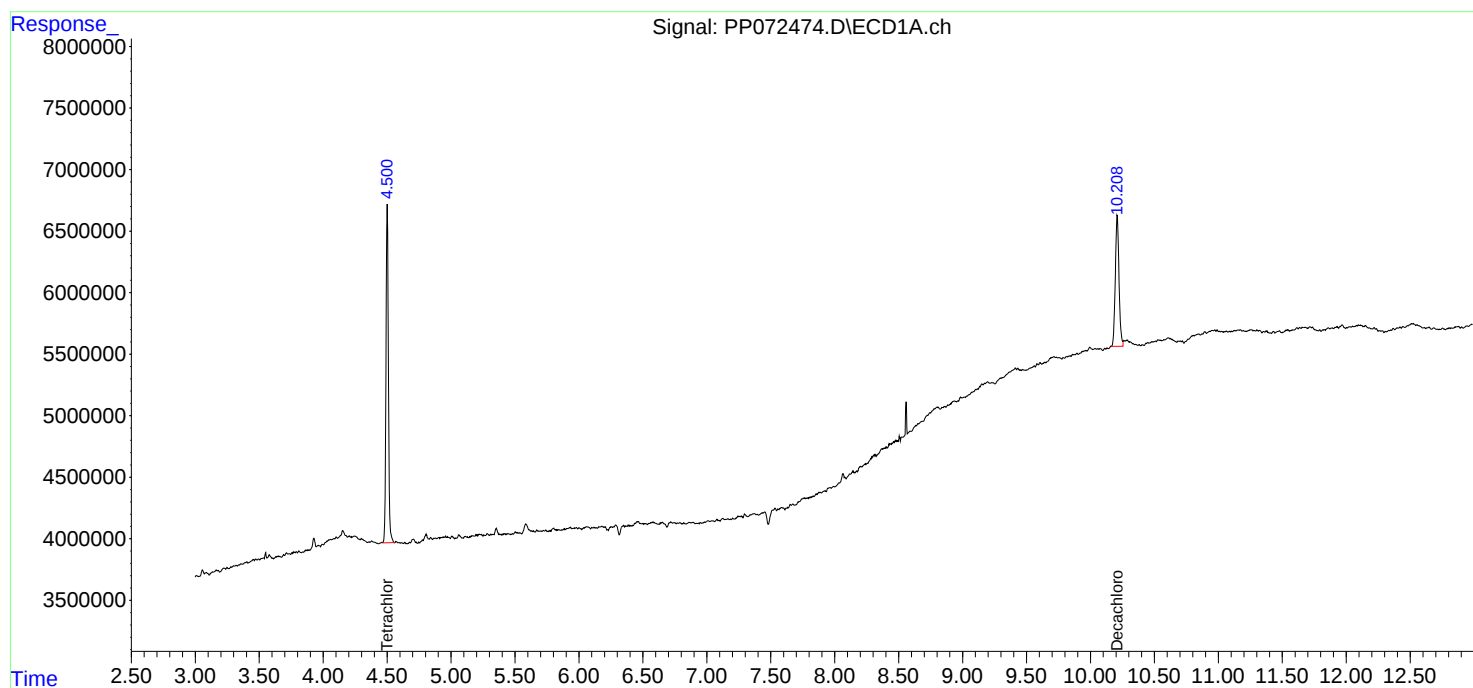
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

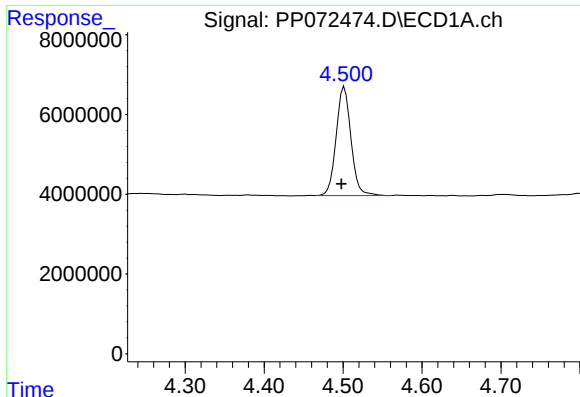
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072474.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:10
Operator : YP\AJ
Sample : Q2150-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-47

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

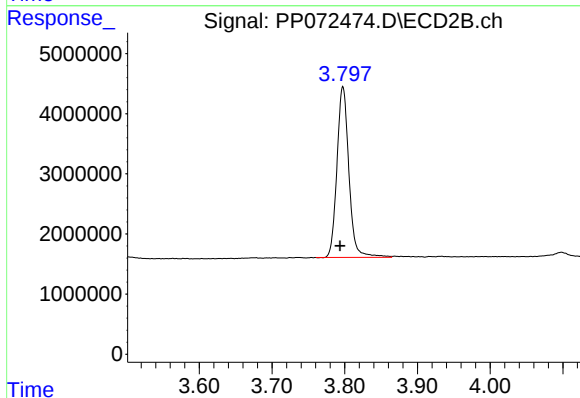




#1 Tetrachloro-m-xylene

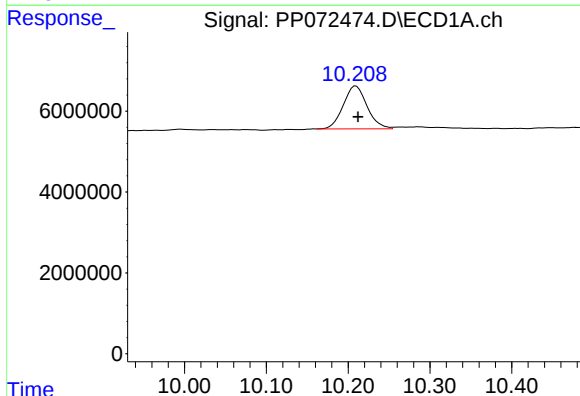
R.T.: 4.502 min
Delta R.T.: 0.004 min
Response: 35563776
Conc: 17.69 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-47



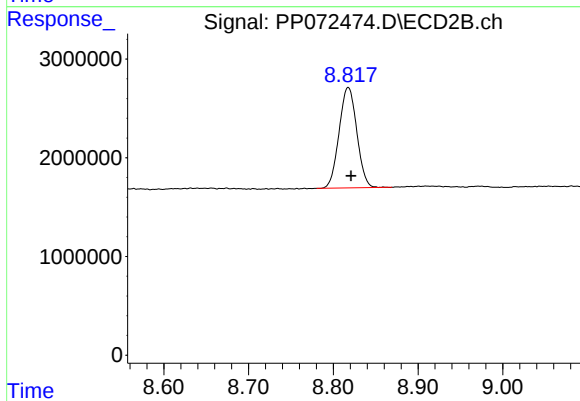
#1 Tetrachloro-m-xylene

R.T.: 3.798 min
Delta R.T.: 0.004 min
Response: 32446850
Conc: 20.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 21411289
Conc: 13.14 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 14804442
Conc: 13.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072475.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 15:26
 Operator : YP\AJ
 Sample : Q2150-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-50

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 16:54:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.500	3.797	36131864	32392944	17.969m	20.266
2) SA Decachlor...	10.209	8.817	27566306	18859144	16.921	17.815

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072475.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 15:26
Operator : YP\AJ
Sample : Q2150-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

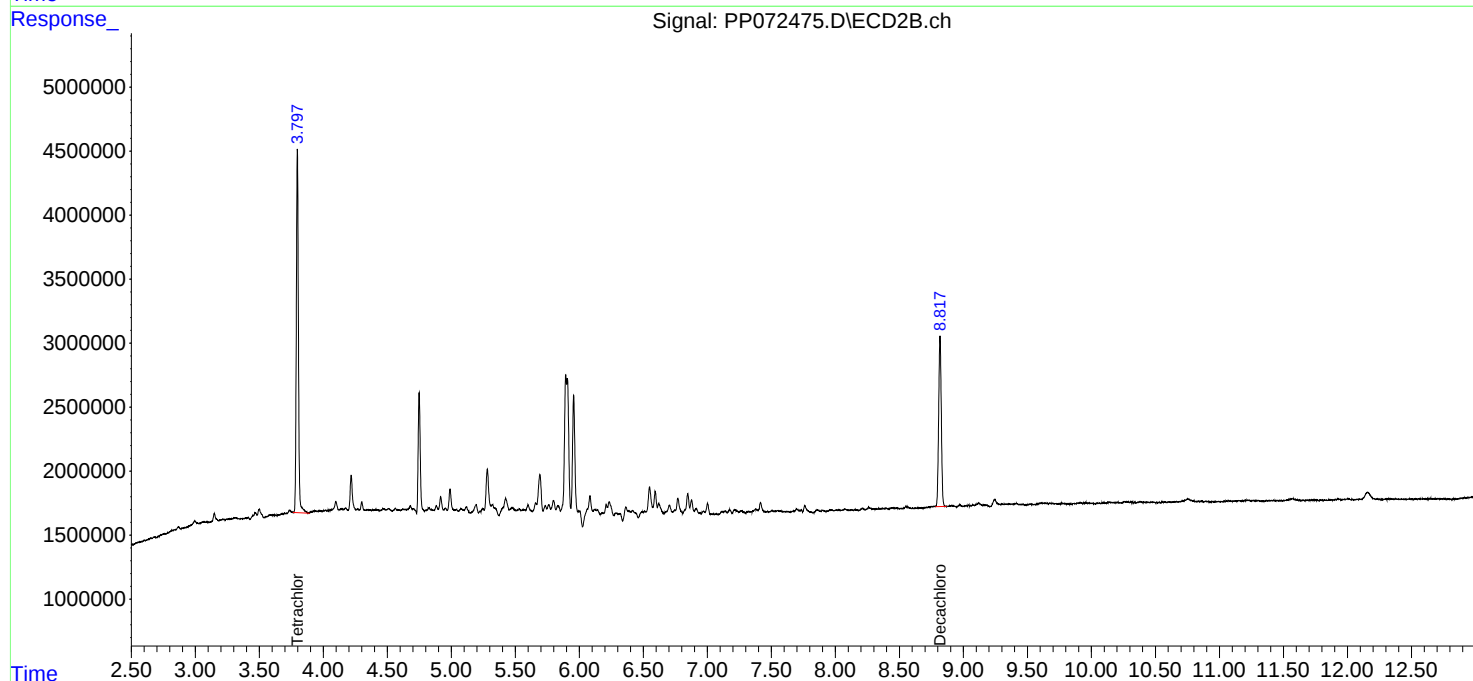
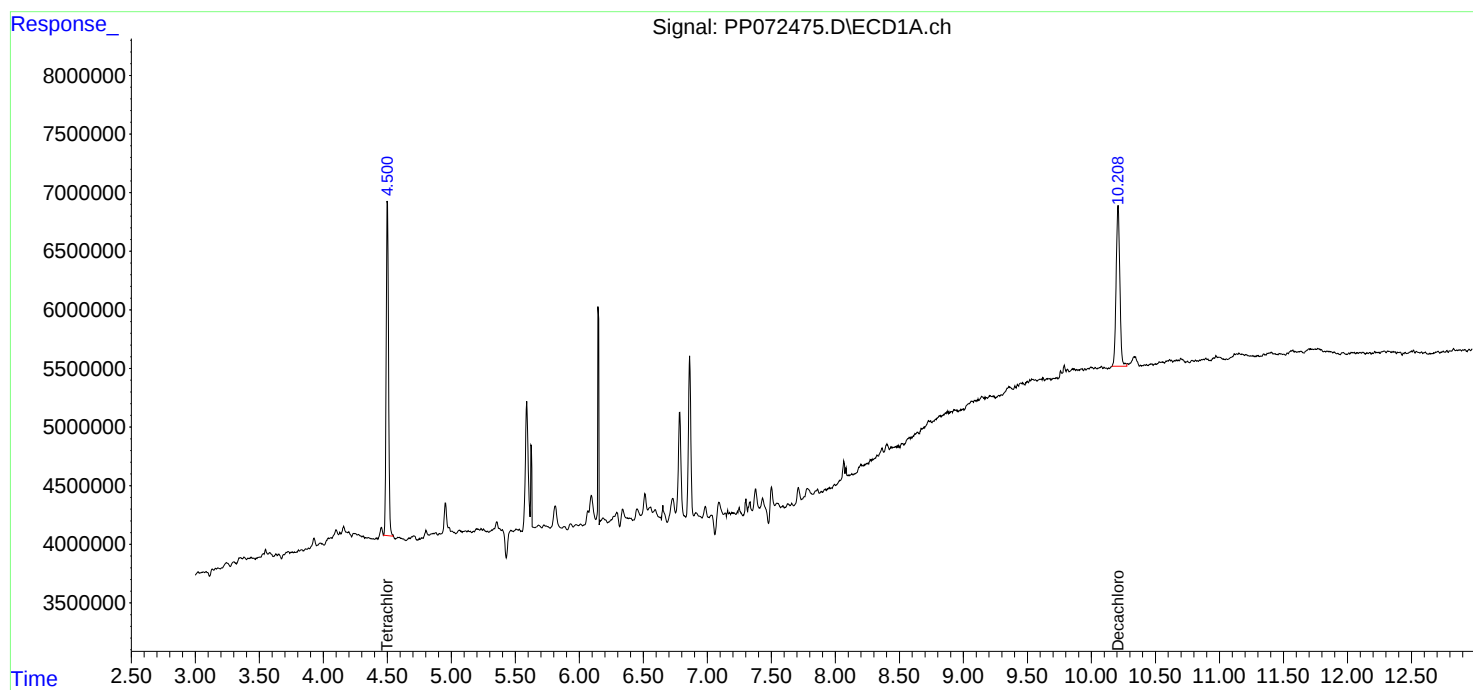
Instrument :
ECD_P
ClientSampleId :
TP-50

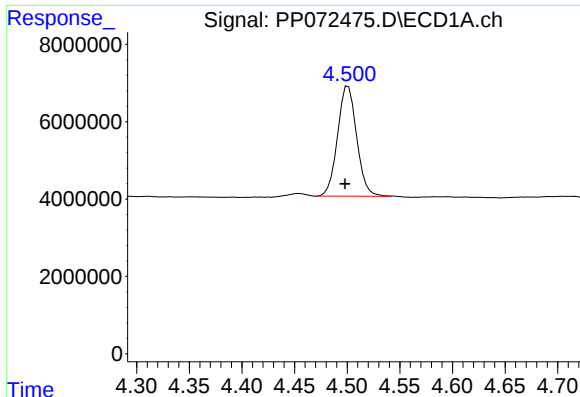
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 16:54:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





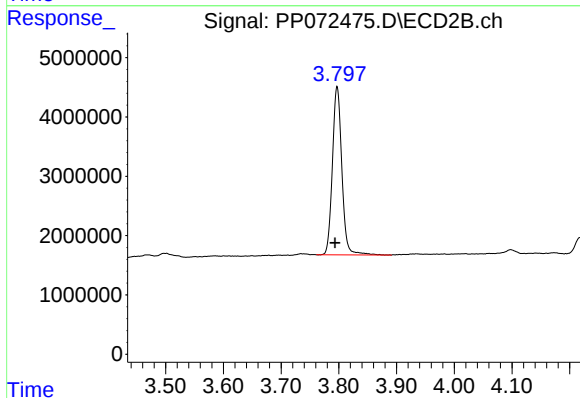
#1 Tetrachloro-m-xylene

R.T.: 4.500 min
Delta R.T.: 0.002 min
Response: 36131864
Conc: 17.97 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-50

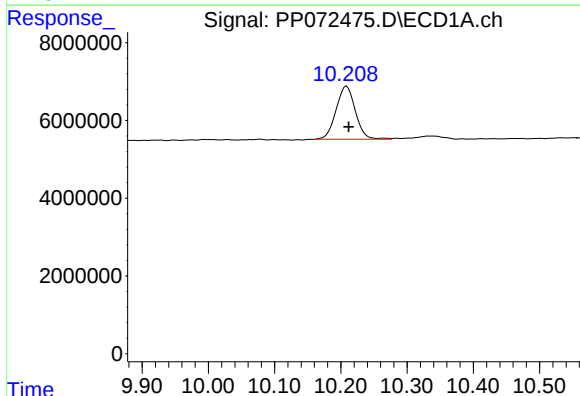
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



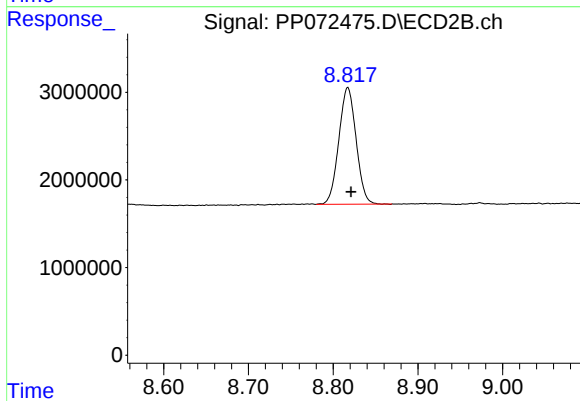
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32392944
Conc: 20.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 27566306
Conc: 16.92 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 18859144
Conc: 17.82 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072481.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 17:37
 Operator : YP\AJ
 Sample : Q2150-07
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-51

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:53:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.796	36425596	32880737	18.115	20.572
2) SA Decachlor...	10.210	8.817	19273907	14870776	11.831	14.048

Target Compounds

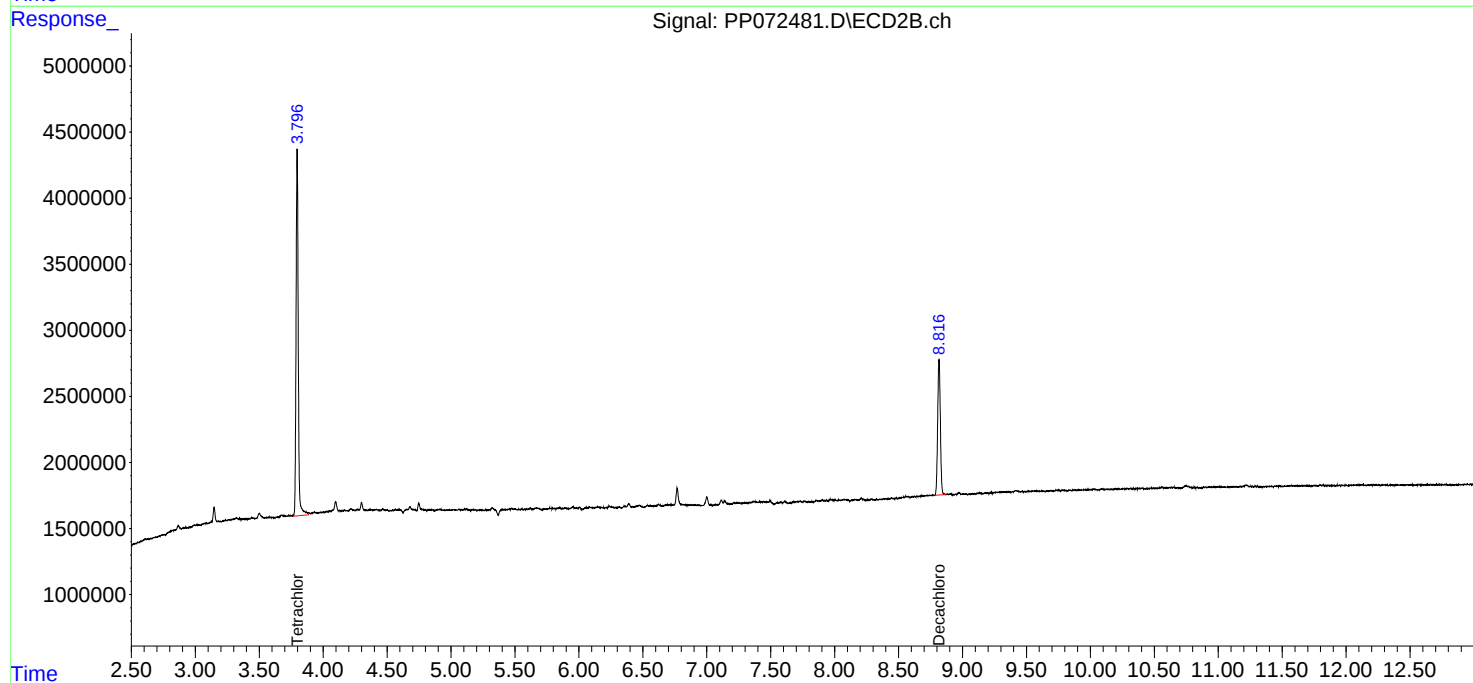
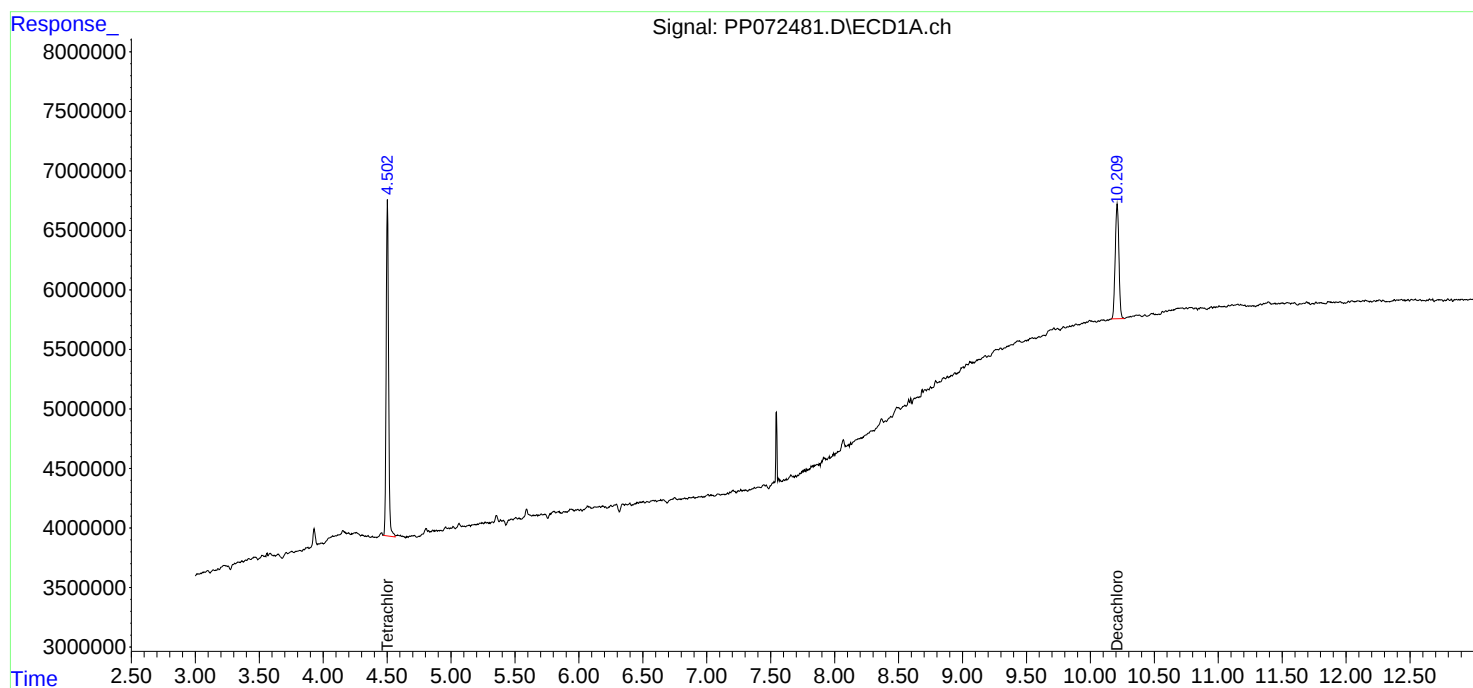
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

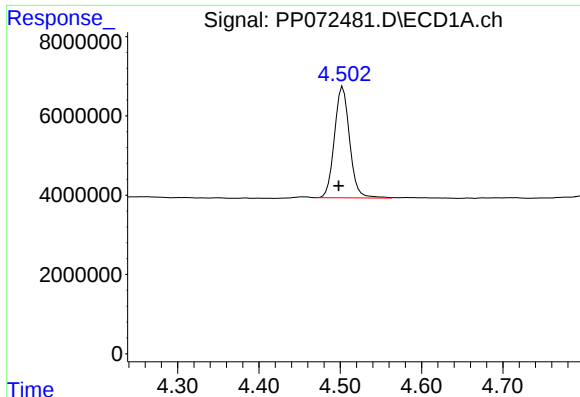
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072481.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:37
Operator : YP\AJ
Sample : Q2150-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-51

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:53:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

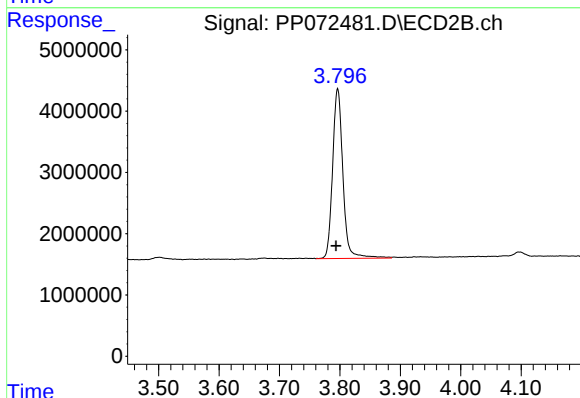




#1 Tetrachloro-m-xylene

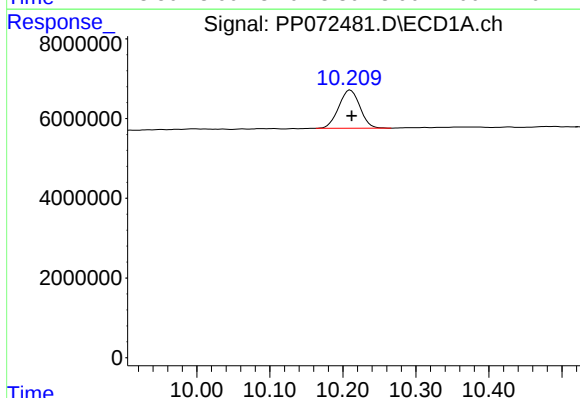
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 36425596
Conc: 18.11 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-51



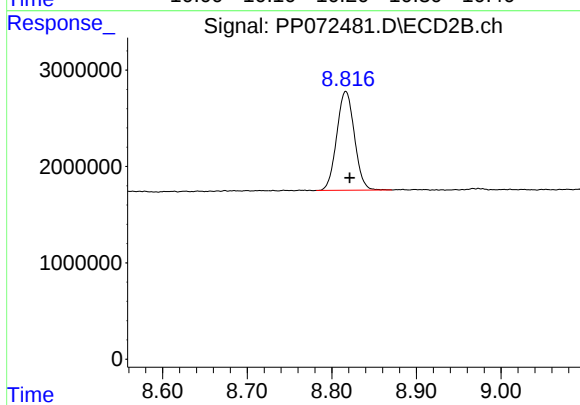
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 32880737
Conc: 20.57 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 19273907
Conc: 11.83 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.005 min
Response: 14870776
Conc: 14.05 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072482.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 17:53
 Operator : YP\AJ
 Sample : Q2150-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-52

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:54:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.498	3.797	35653212	32134261	17.731m	20.105
2) SA Decachlor...	10.207	8.817	19468810	15600392	11.950	14.737

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072482.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 17:53
Operator : YP\AJ
Sample : Q2150-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

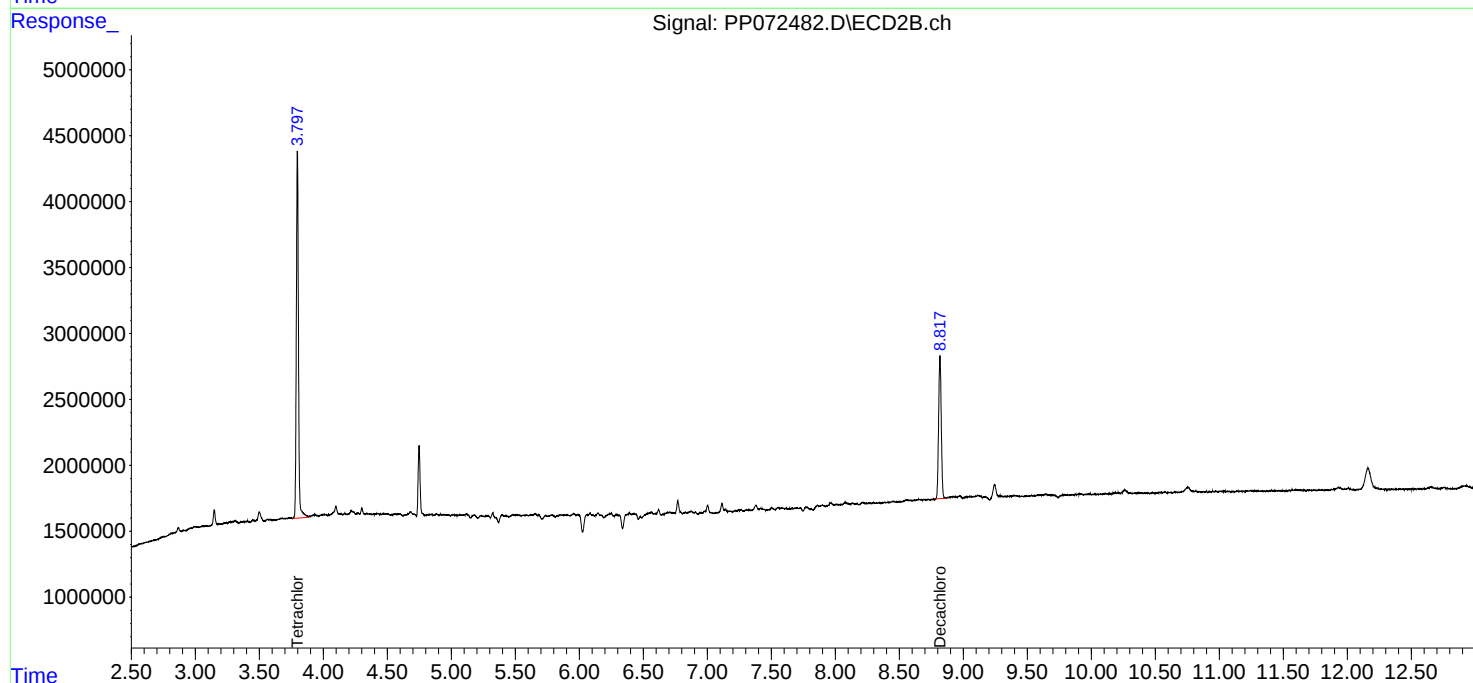
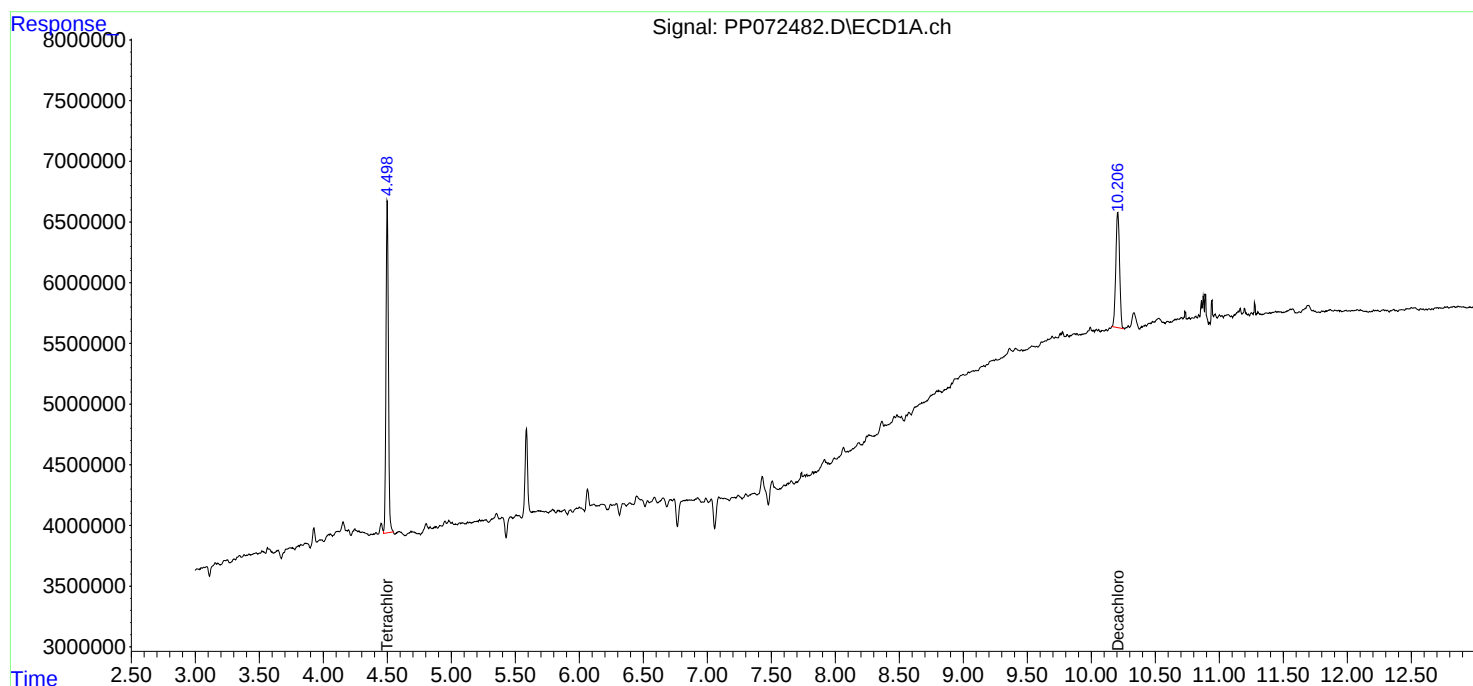
Instrument :
ECD_P
ClientSampleId :
TP-52

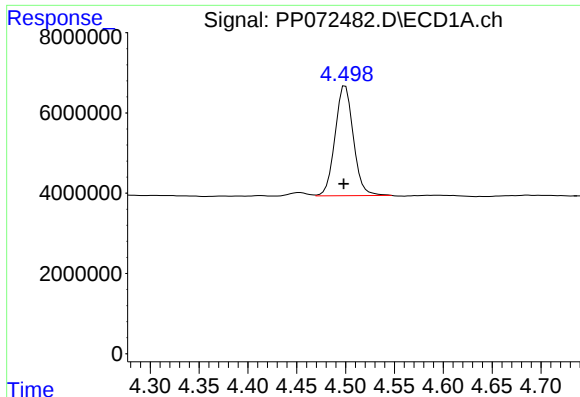
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





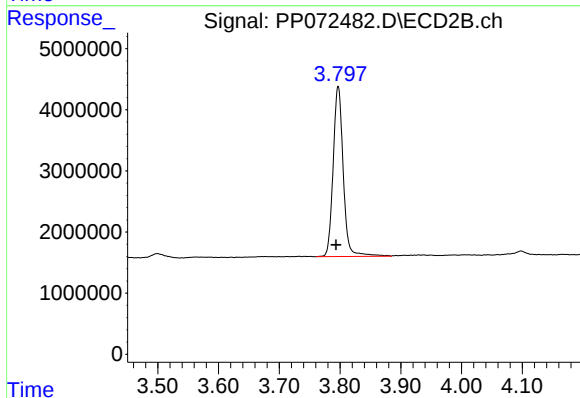
#1 Tetrachloro-m-xylene

R.T.: 4.498 min
Delta R.T.: 0.000 min
Response: 35653212
Conc: 17.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-52

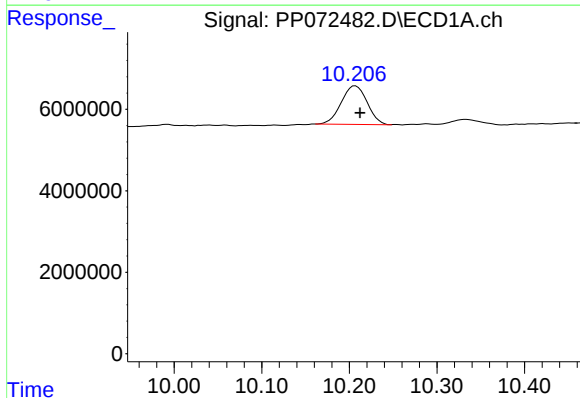
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



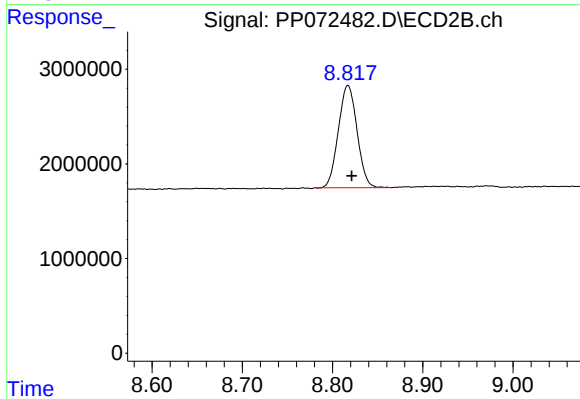
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32134261
Conc: 20.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.207 min
Delta R.T.: -0.005 min
Response: 19468810
Conc: 11.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 15600392
Conc: 14.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:09
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	31690463	27413314	15.760	17.151
2) SA Decachlor...	10.210	8.817	19942262	14543074	12.241	13.738

Target Compounds

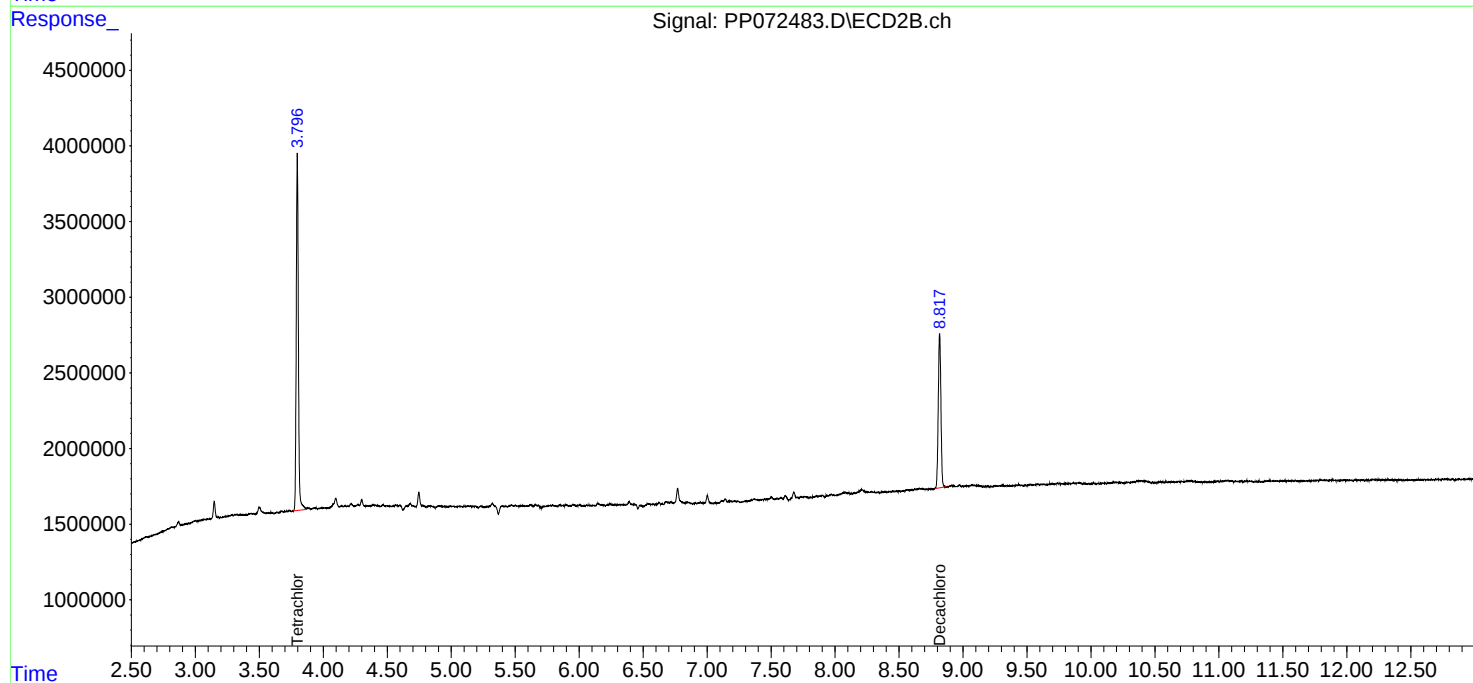
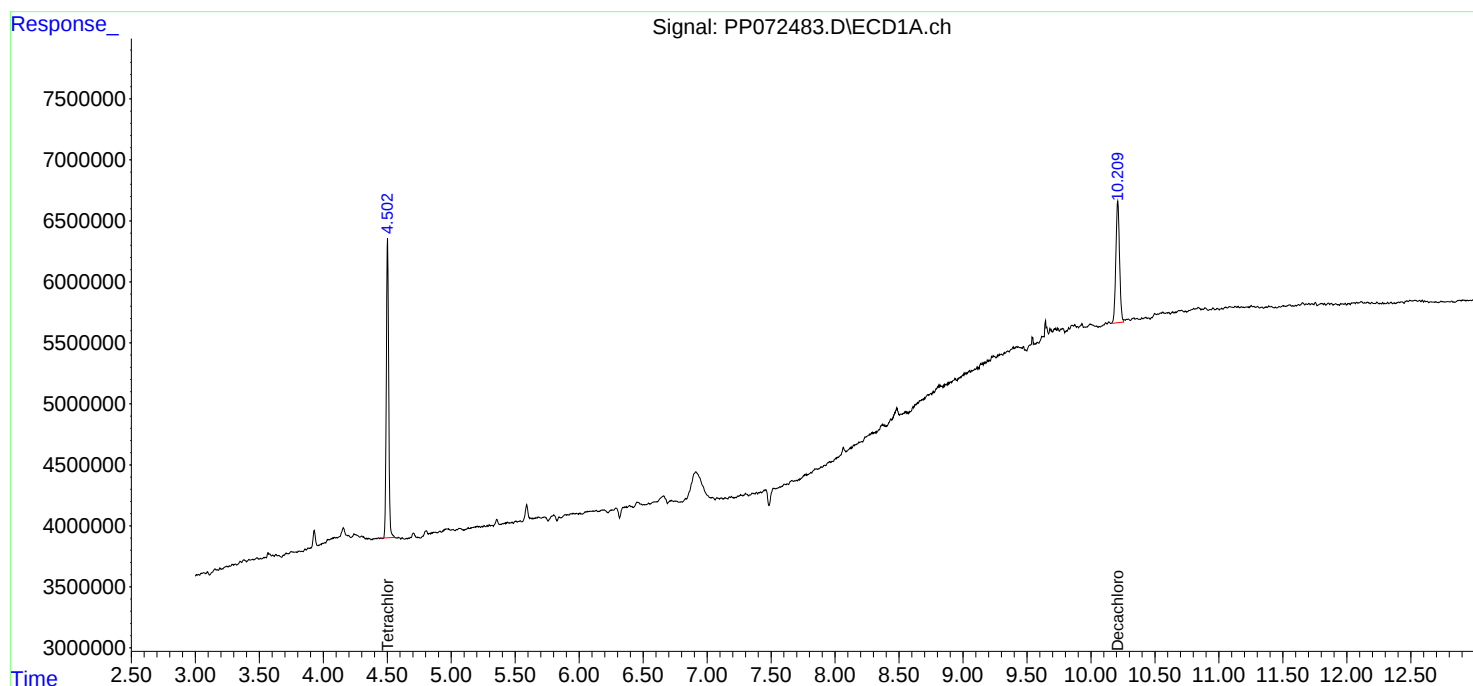
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

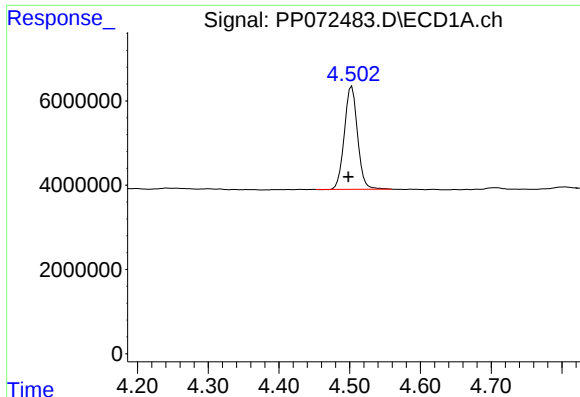
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072483.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:09
Operator : YP\AJ
Sample : Q2150-09
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-54

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:54:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

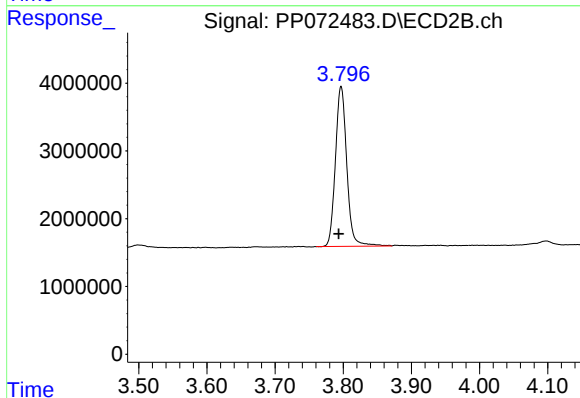




#1 Tetrachloro-m-xylene

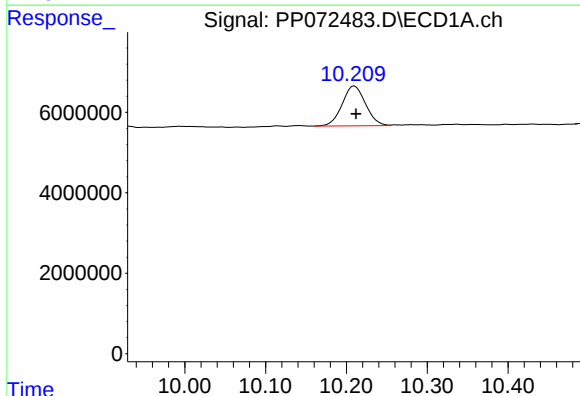
R.T.: 4.503 min
Delta R.T.: 0.005 min
Response: 31690463
Conc: 15.76 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-54



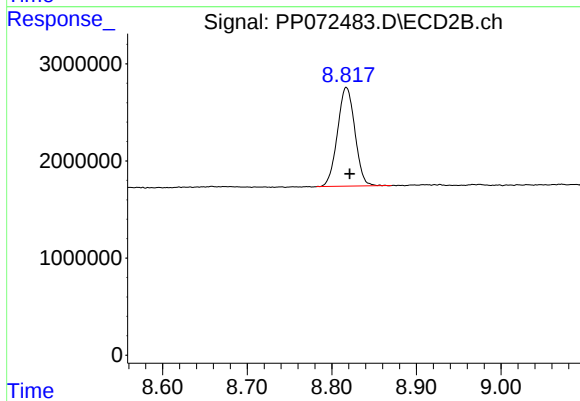
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 27413314
Conc: 17.15 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.002 min
Response: 19942262
Conc: 12.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.817 min
Delta R.T.: -0.004 min
Response: 14543074
Conc: 13.74 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072484.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 18:26
 Operator : YP\AJ
 Sample : Q2150-10
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-53

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:55:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.501	3.797	37059545	32282154	18.430	20.197
2) SA Decachlor...	10.209	8.818	22959967	16975587	14.093	16.036

Target Compounds

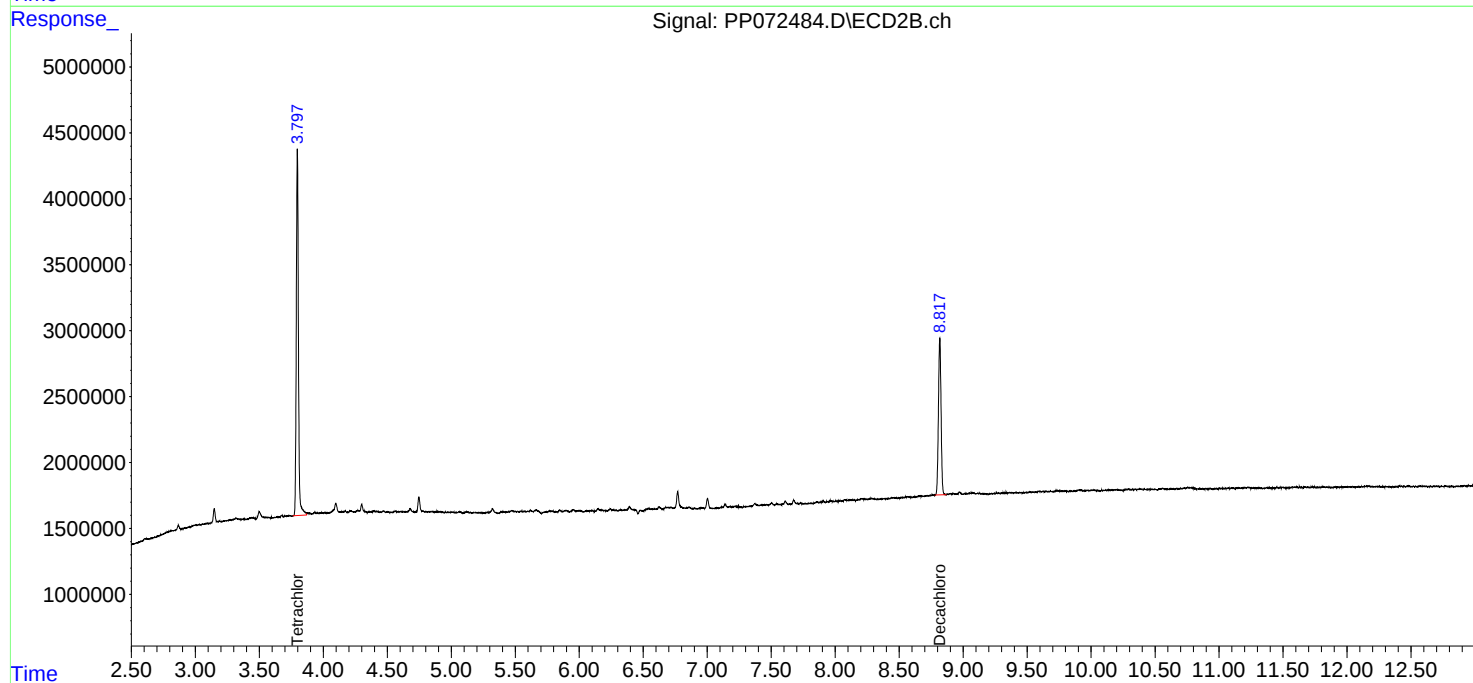
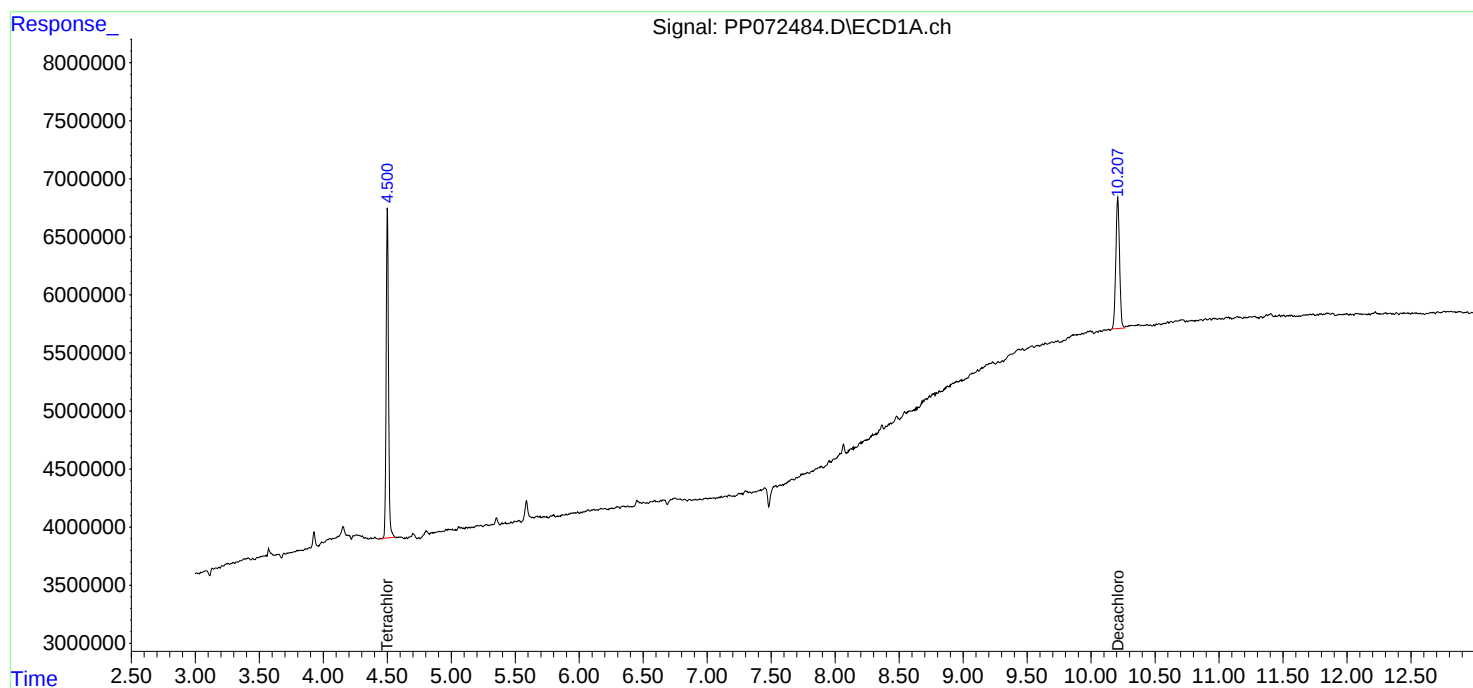
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

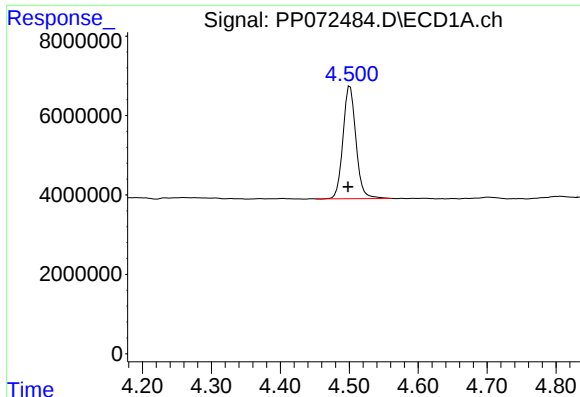
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072484.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 18:26
Operator : YP\AJ
Sample : Q2150-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
TP-53

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:55:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

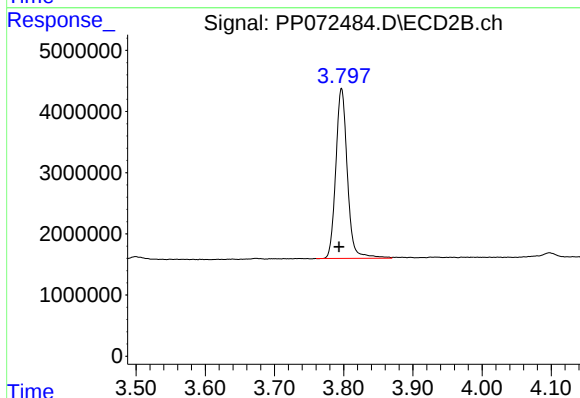




#1 Tetrachloro-m-xylene

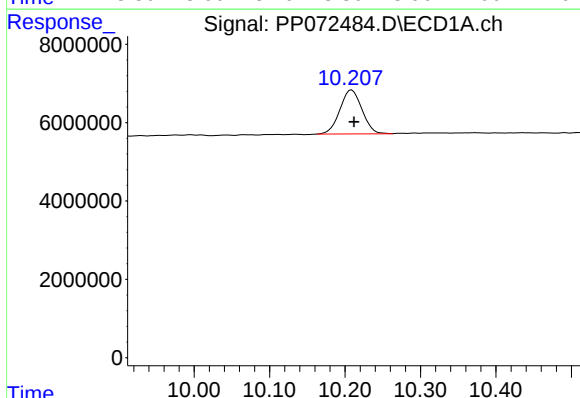
R.T.: 4.501 min
Delta R.T.: 0.003 min
Response: 37059545
Conc: 18.43 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-53



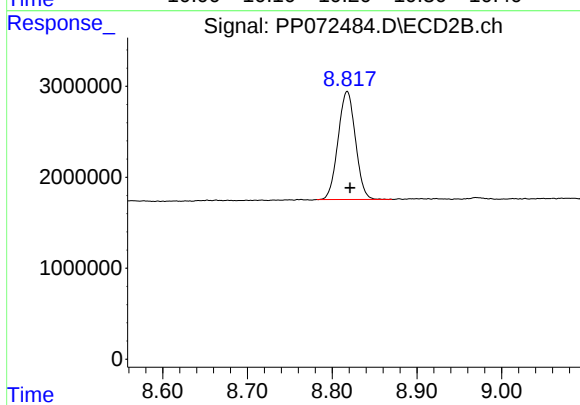
#1 Tetrachloro-m-xylene

R.T.: 3.797 min
Delta R.T.: 0.004 min
Response: 32282154
Conc: 20.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.209 min
Delta R.T.: -0.003 min
Response: 22959967
Conc: 14.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 16975587
Conc: 16.04 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072466.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 12:59
 Operator : YP\AJ
 Sample : PB168208BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168208BL

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 14:37:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.505	3.796	39897071	34561223	19.841	21.623
2) SA Decachlor...	10.214	8.818	34550231	25733695	21.208	24.309

Target Compounds

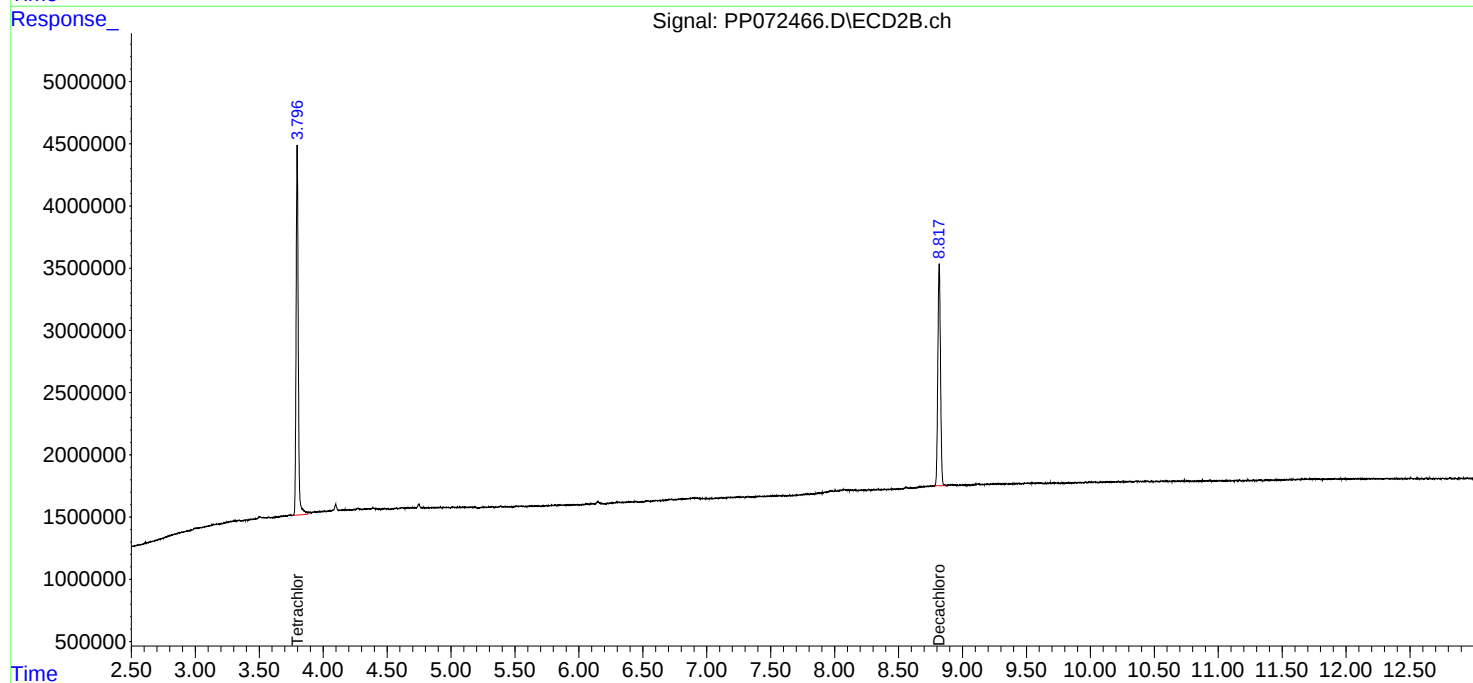
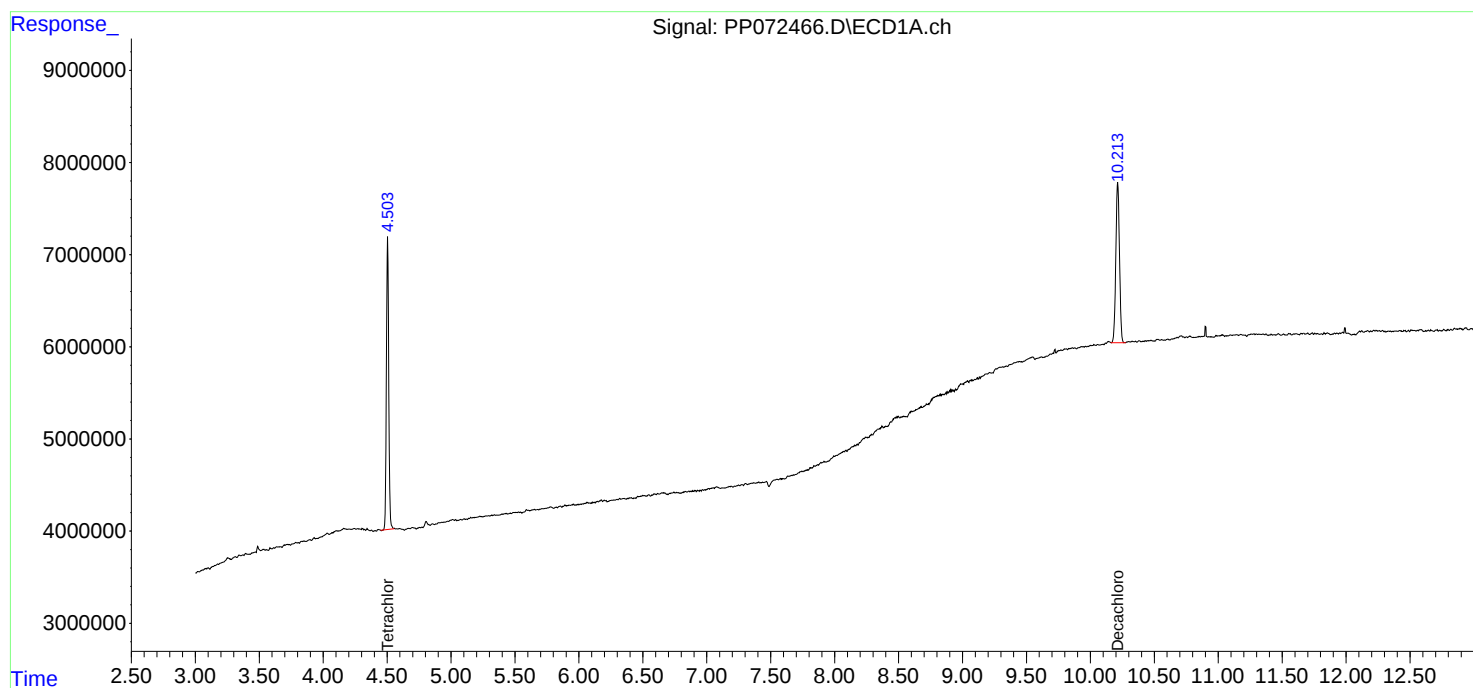
 (f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

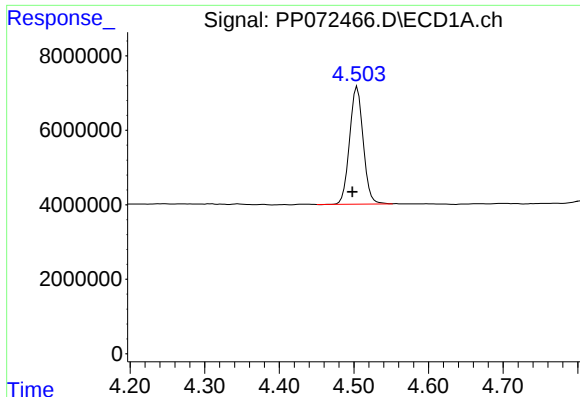
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072466.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 12:59
Operator : YP\AJ
Sample : PB168208BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168208BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

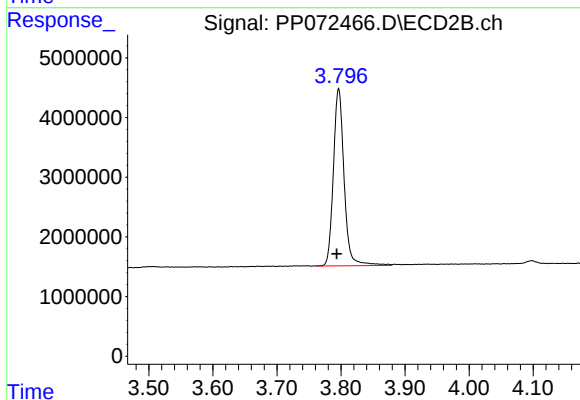




#1 Tetrachloro-m-xylene

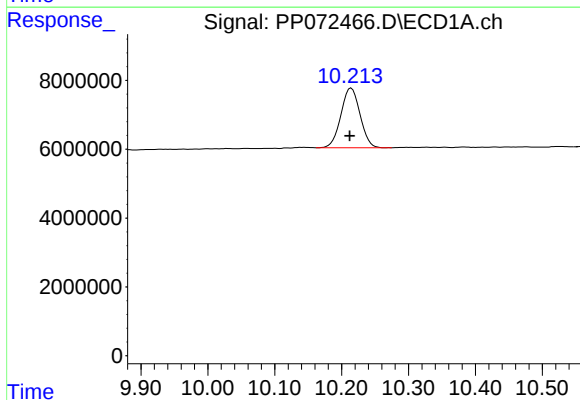
R.T.: 4.505 min
Delta R.T.: 0.007 min
Response: 39897071
Conc: 19.84 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB168208BL



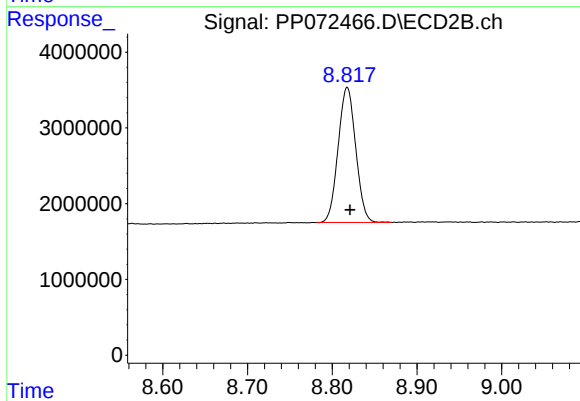
#1 Tetrachloro-m-xylene

R.T.: 3.796 min
Delta R.T.: 0.003 min
Response: 34561223
Conc: 21.62 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.214 min
Delta R.T.: 0.002 min
Response: 34550231
Conc: 21.21 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.818 min
Delta R.T.: -0.003 min
Response: 25733695
Conc: 24.31 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072467.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 13:15
 Operator : YP\AJ
 Sample : PB168208BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB168208BS

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 14:37:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.503	3.797	40600987	32347143	20.191	20.238
2) SA Decachlor...	10.211	8.817	34940595	24942907	21.447	23.562
Target Compounds						
3) L1 AR-1016-1	5.655	4.879	25342147	23593187	337.519	384.069
4) L1 AR-1016-2	5.677	4.897	40534084	34426586	378.853	392.150
5) L1 AR-1016-3	5.740	5.074	24252393	18689847	369.899	392.195
6) L1 AR-1016-4	5.837	5.115	19964068	14895177	374.771	391.511
7) L1 AR-1016-5	6.129	5.329	17606509	19107202	359.984	383.491
31) L7 AR-1260-1	7.248	6.362	36724421	33579849	392.377	421.044
32) L7 AR-1260-2	7.501	6.550	55483664	40642782	386.673	400.729
33) L7 AR-1260-3	7.860	6.703	39322171	37691790	345.323	433.726 #
34) L7 AR-1260-4	8.084	7.173	39129847	27783719	364.668	385.398
35) L7 AR-1260-5	8.404	7.416	85600897	65393382	361.701	376.638

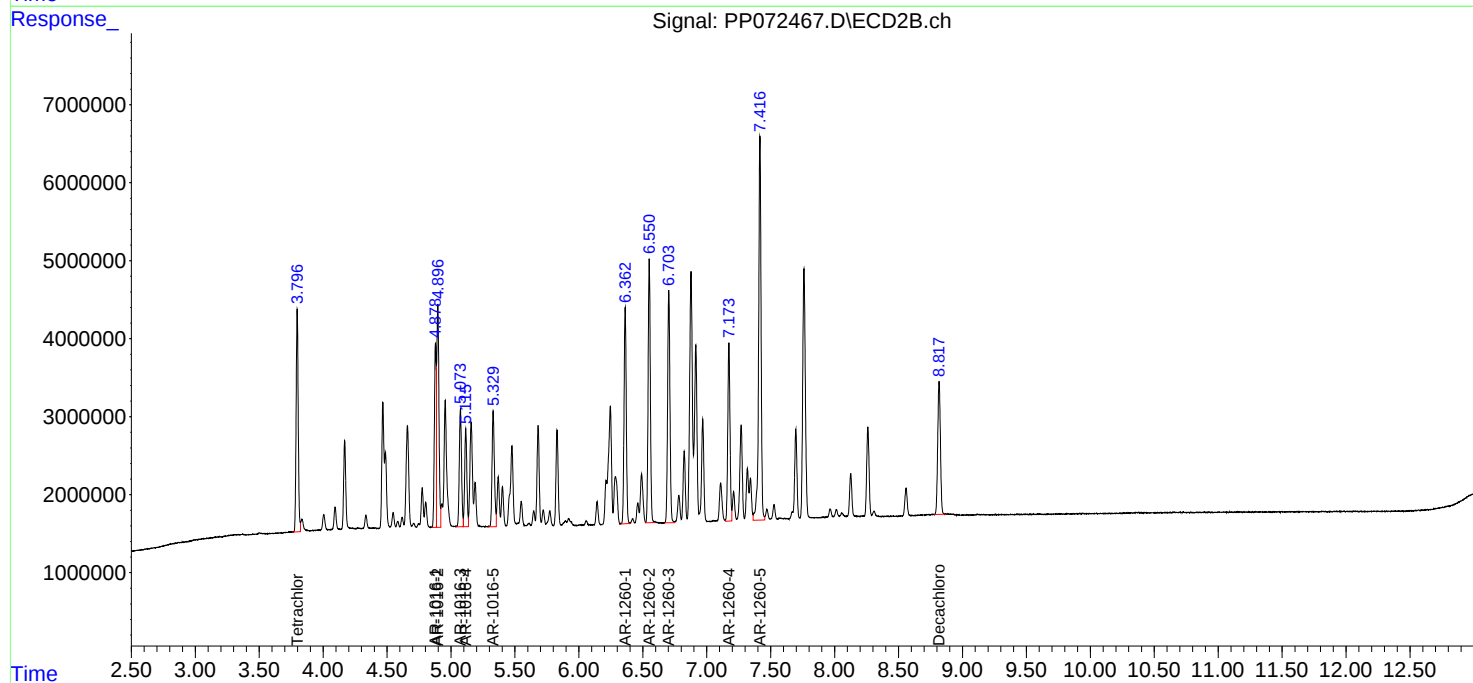
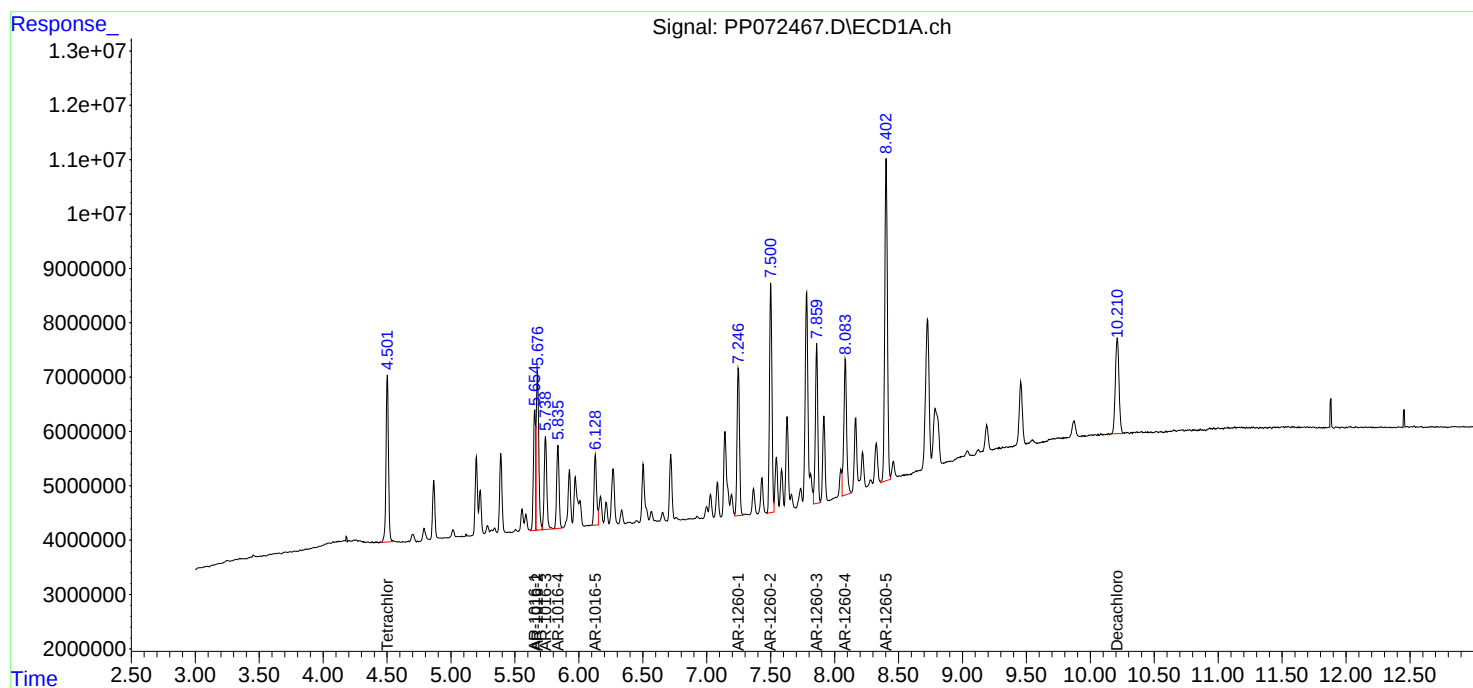
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072467.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 13:15
Operator : YP\AJ
Sample : PB168208BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB168208BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:37:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072470.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:04
 Operator : YP\AJ
 Sample : Q2150-02MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-42MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 14:39:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	36366117	29999123	18.085	18.769
2) SA Decachlor...	10.210	8.819	23299460	17086679	14.302	16.141
Target Compounds						
3) L1 AR-1016-1	5.654	4.879	13637863	13494876	181.636	219.681
4) L1 AR-1016-2	5.676	4.897	20368415	19497777	190.374	222.097
5) L1 AR-1016-3	5.737	5.075	12228267	10733005	186.506	225.225
6) L1 AR-1016-4	5.835	5.116	10502513	8443389	197.156	221.930
7) L1 AR-1016-5	6.128	5.330	8938075	10885976	182.748	218.487
31) L7 AR-1260-1	7.245	6.363	16893593	18100231	180.497m	226.952 #
32) L7 AR-1260-2	7.500	6.552	25645069	20404808	178.724	201.187
33) L7 AR-1260-3	7.858	6.704	17046078	18537355	149.697	213.312 #
34) L7 AR-1260-4	8.081	7.175	18326610	13096194	170.794m	181.662
35) L7 AR-1260-5	8.400	7.417	36349425	30393370	153.592m	175.053

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072470.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:04
Operator : YP\AJ
Sample : Q2150-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

TP-42MS

Manual Integrations

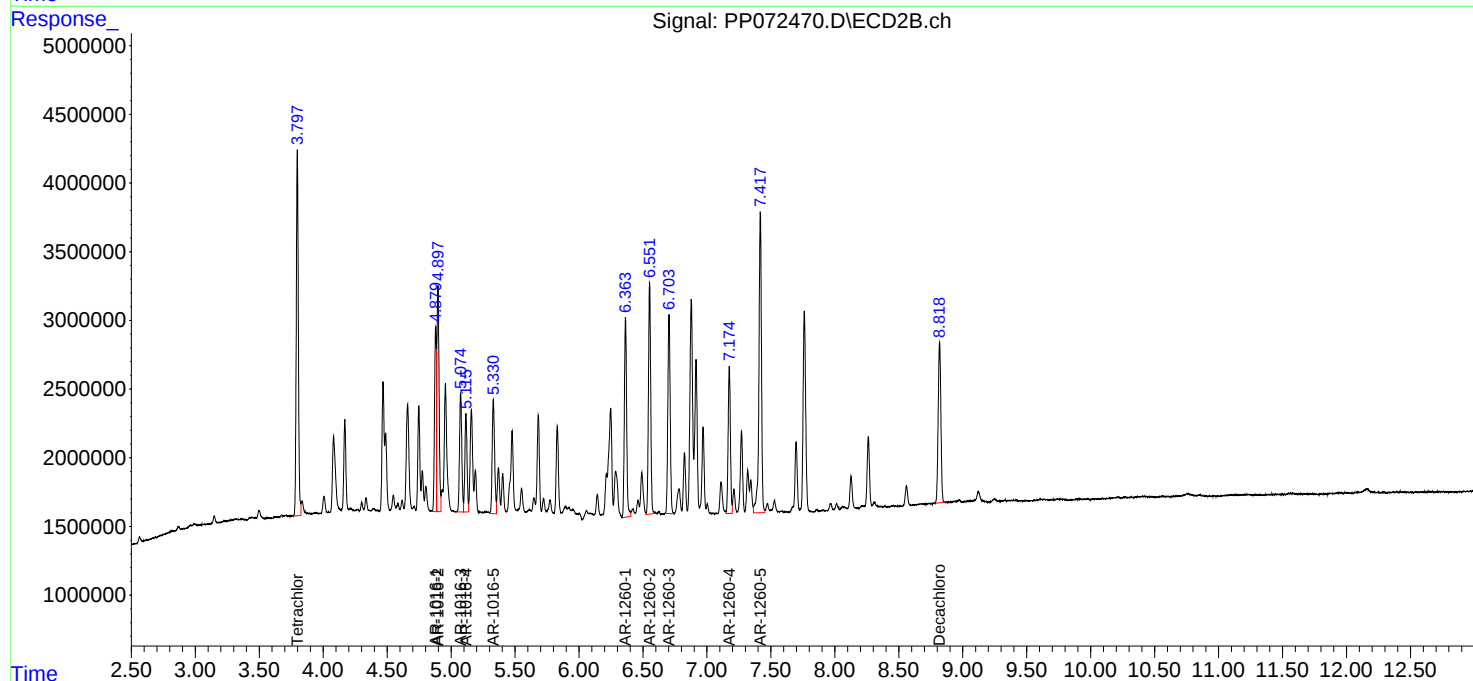
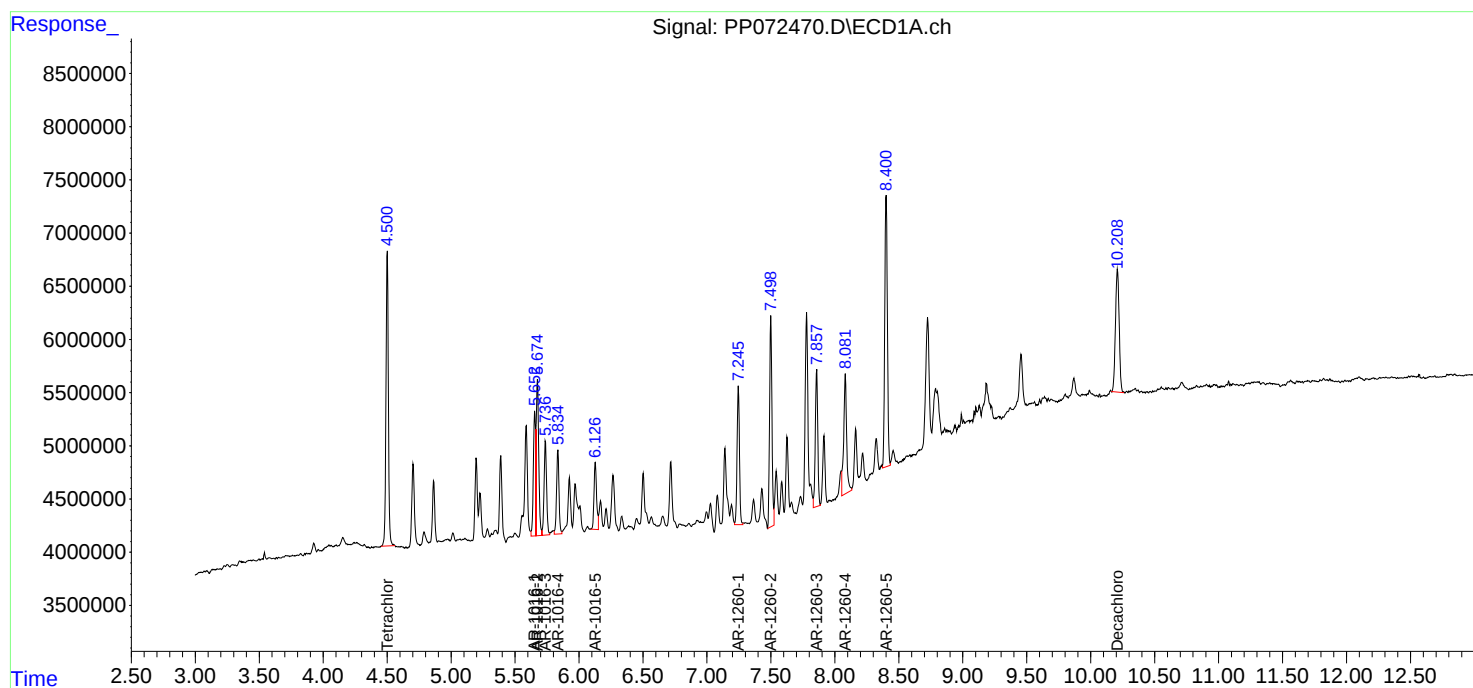
APPROVED

Reviewed By :Yogesh Patel 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
 Data File : PP072471.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 14:20
 Operator : YP\AJ
 Sample : Q2150-02MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-42MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 14:39:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat May 24 03:32:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	4.502	3.798	37967707	31693917	18.882	19.829
2) SA Decachlor...	10.212	8.819	24822927	17755240	15.237	16.772
Target Compounds						
3) L1 AR-1016-1	5.655	4.880	13407620	13664758	178.569	222.446
4) L1 AR-1016-2	5.676	4.898	21818116	19464055	203.923	221.713
5) L1 AR-1016-3	5.739	5.075	12494305	10814309	190.564	226.932
6) L1 AR-1016-4	5.836	5.116	10684673	8612907	200.576	226.385
7) L1 AR-1016-5	6.129	5.331	9286117	11044932	189.864	221.677
31) L7 AR-1260-1	7.246	6.363	17761827	18437406	189.774m	231.179
32) L7 AR-1260-2	7.501	6.552	26384208	20748512	183.875	204.576
33) L7 AR-1260-3	7.859	6.704	17953838	19051220	157.668	219.226 #
34) L7 AR-1260-4	8.084	7.175	19303720	13694219	179.900	189.958
35) L7 AR-1260-5	8.404	7.417	37692966	31398527	159.269	180.842

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP053025\
Data File : PP072471.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 14:20
Operator : YP\AJ
Sample : Q2150-02MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

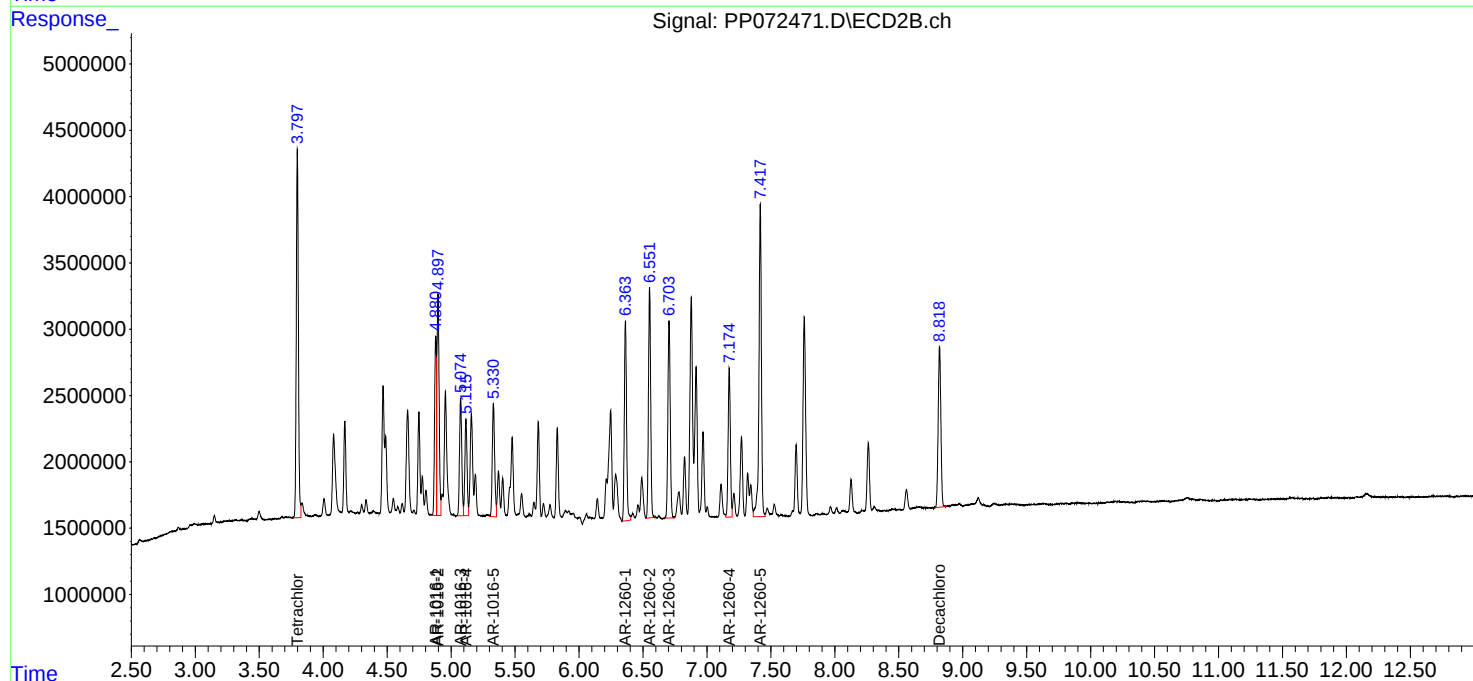
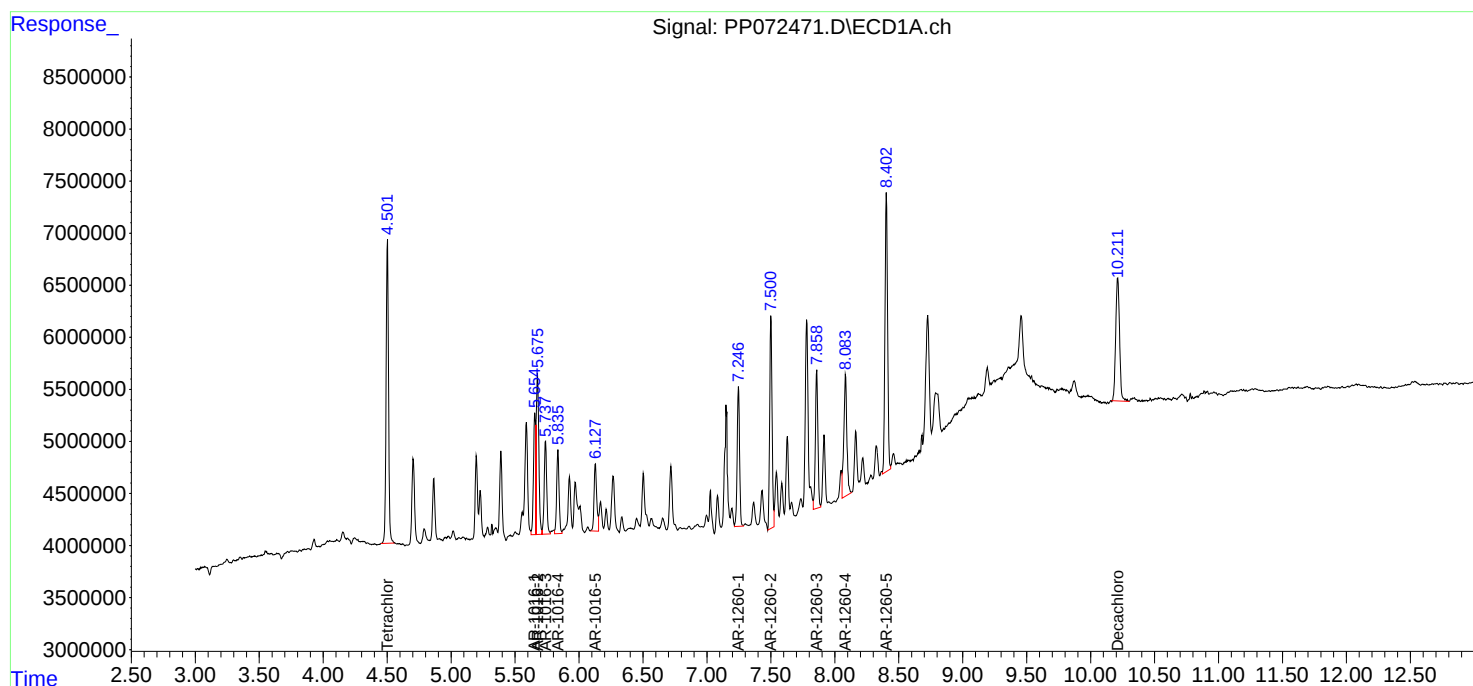
Instrument :
ECD_P
ClientSampleId :
TP-42MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 06/02/2025
Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 14:39:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP051925.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat May 24 03:32:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP072168.D	AR-1016-1	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-2	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-3	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1660ICC050	PP072168.D	AR-1016-4	yogesh	5/20/2025 7:28:08 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-3	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1232ICC050	PP072174.D	AR-1232-4	yogesh	5/21/2025 8:50:30 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-1	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-3	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-4	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1242ICC050	PP072179.D	AR-1242-5 #2	yogesh	5/20/2025 7:28:10 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1248ICC050	PP072184.D	AR-1248-1	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

Manual Integration Report

Sequence:	PP051925	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248ICC050	PP072184.D	AR-1248-4 #2	yogesh	5/20/2025 7:28:12 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-1	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	AR-1254-4 #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1254ICC050	PP072189.D	Tetrachloro-m-xylene #2	yogesh	5/20/2025 7:28:14 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	AR-1268-1	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software
AR1268ICC050	PP072195.D	Tetrachloro-m-xylene	yogesh	5/20/2025 7:28:15 AM	mohammad	5/22/2025 6:37:35	Peak Integrated by Software

Manual Integration Report

Sequence:	pp053025	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2150-01	PP072468.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:13 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-1	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-4	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MS	PP072470.D	AR-1260-5	yogesh	6/2/2025 7:25:15 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-02MSD	PP072471.D	AR-1260-1	yogesh	6/2/2025 7:25:17 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-06	PP072475.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:18 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software
Q2150-08	PP072482.D	Tetrachloro-m-xylene	yogesh	6/2/2025 7:25:20 AM	mohammad	6/3/2025 2:03:46	Peak Integrated by Software

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344, PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359, PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072162.D	19 May 2025 09:09	YP\AJ	Ok
2	I.BLK	PP072163.D	19 May 2025 09:26	YP\AJ	Ok
3	AR1660ICC1000	PP072164.D	19 May 2025 09:42	YP\AJ	Ok
4	AR1660ICC750	PP072165.D	19 May 2025 09:59	YP\AJ	Ok
5	AR1660ICC500	PP072166.D	19 May 2025 10:15	YP\AJ	Ok
6	AR1660ICC250	PP072167.D	19 May 2025 10:32	YP\AJ	Ok
7	AR1660ICC050	PP072168.D	19 May 2025 10:48	YP\AJ	Ok,M
8	AR1221ICC500	PP072169.D	19 May 2025 11:05	YP\AJ	Ok
9	AR1232ICC1000	PP072170.D	19 May 2025 11:21	YP\AJ	Ok
10	AR1232ICC750	PP072171.D	19 May 2025 11:38	YP\AJ	Ok
11	AR1232ICC500	PP072172.D	19 May 2025 11:54	YP\AJ	Ok
12	AR1232ICC250	PP072173.D	19 May 2025 12:10	YP\AJ	Ok
13	AR1232ICC050	PP072174.D	19 May 2025 12:27	YP\AJ	Ok,M
14	AR1242ICC1000	PP072175.D	19 May 2025 12:43	YP\AJ	Ok
15	AR1242ICC750	PP072176.D	19 May 2025 12:59	YP\AJ	Ok
16	AR1242ICC500	PP072177.D	19 May 2025 13:15	YP\AJ	Ok
17	AR1242ICC250	PP072178.D	19 May 2025 13:32	YP\AJ	Ok
18	AR1242ICC050	PP072179.D	19 May 2025 13:48	YP\AJ	Ok,M
19	AR1248ICC1000	PP072180.D	19 May 2025 14:04	YP\AJ	Ok
20	AR1248ICC750	PP072181.D	19 May 2025 14:20	YP\AJ	Ok
21	AR1248ICC500	PP072182.D	19 May 2025 14:37	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1248ICC250	PP072183.D	19 May 2025 14:53	YP\AJ	Ok
23	AR1248ICC050	PP072184.D	19 May 2025 15:25	YP\AJ	Ok,M
24	AR1254ICC1000	PP072185.D	19 May 2025 15:42	YP\AJ	Ok
25	AR1254ICC750	PP072186.D	19 May 2025 15:58	YP\AJ	Ok
26	AR1254ICC500	PP072187.D	19 May 2025 16:14	YP\AJ	Ok
27	AR1254ICC250	PP072188.D	19 May 2025 16:31	YP\AJ	Ok
28	AR1254ICC050	PP072189.D	19 May 2025 16:47	YP\AJ	Ok,M
29	AR1262ICC500	PP072190.D	19 May 2025 17:03	YP\AJ	Ok
30	AR1268ICC1000	PP072191.D	19 May 2025 17:20	YP\AJ	Ok
31	AR1268ICC750	PP072192.D	19 May 2025 17:36	YP\AJ	Ok
32	AR1268ICC500	PP072193.D	19 May 2025 17:53	YP\AJ	Ok
33	AR1268ICC250	PP072194.D	19 May 2025 18:09	YP\AJ	Ok
34	AR1268ICC050	PP072195.D	19 May 2025 18:25	YP\AJ	Ok,M
35	PP051925ICV500	PP072196.D	19 May 2025 18:42	YP\AJ	Ok
36	AR1232ICV500	PP072197.D	19 May 2025 19:14	YP\AJ	Ok
37	AR1242ICV500	PP072198.D	19 May 2025 19:47	YP\AJ	Ok
38	AR1248ICV500	PP072199.D	19 May 2025 20:19	YP\AJ	Ok
39	AR1254ICV500	PP072200.D	19 May 2025 20:52	YP\AJ	Ok
40	AR1268ICV500	PP072201.D	19 May 2025 21:25	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM
SubDirectory	PP053025	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP072460.D	30 May 2025 10:05	YP\AJ	Ok
2	AR1660CCC500	PP072461.D	30 May 2025 10:21	YP\AJ	Ok
3	AR1242CCC500	PP072462.D	30 May 2025 10:40	YP\AJ	Ok
4	AR1248CCC500	PP072463.D	30 May 2025 10:57	YP\AJ	Ok
5	AR1254CCC500	PP072464.D	30 May 2025 11:13	YP\AJ	Ok
6	I.BLK	PP072465.D	30 May 2025 11:29	YP\AJ	Ok
7	PB168208BL	PP072466.D	30 May 2025 12:59	YP\AJ	Ok
8	PB168208BS	PP072467.D	30 May 2025 13:15	YP\AJ	Ok
9	Q2150-01	PP072468.D	30 May 2025 13:32	YP\AJ	Ok,M
10	Q2150-02	PP072469.D	30 May 2025 13:48	YP\AJ	Ok
11	Q2150-02MS	PP072470.D	30 May 2025 14:04	YP\AJ	Ok,M
12	Q2150-02MSD	PP072471.D	30 May 2025 14:20	YP\AJ	Ok,M
13	Q2150-03	PP072472.D	30 May 2025 14:37	YP\AJ	Ok
14	Q2150-04	PP072473.D	30 May 2025 14:53	YP\AJ	Ok
15	Q2150-05	PP072474.D	30 May 2025 15:10	YP\AJ	Ok
16	Q2150-06	PP072475.D	30 May 2025 15:26	YP\AJ	Ok,M
17	AR1660CCC500	PP072476.D	30 May 2025 16:15	YP\AJ	Ok
18	AR1242CCC500	PP072477.D	30 May 2025 16:31	YP\AJ	Ok
19	AR1248CCC500	PP072478.D	30 May 2025 16:48	YP\AJ	Ok
20	AR1254CCC500	PP072479.D	30 May 2025 17:04	YP\AJ	Ok
21	I.BLK	PP072480.D	30 May 2025 17:20	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM
SubDirectory	PP053025	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q2150-07	PP072481.D	30 May 2025 17:37	YP\AJ	Ok
23	Q2150-08	PP072482.D	30 May 2025 17:53	YP\AJ	Ok,M
24	Q2150-09	PP072483.D	30 May 2025 18:09	YP\AJ	Ok
25	Q2150-10	PP072484.D	30 May 2025 18:26	YP\AJ	Ok
26	Q2151-01	PP072485.D	30 May 2025 18:42	YP\AJ	Ok
27	Q2152-01	PP072486.D	30 May 2025 18:58	YP\AJ	Ok,M
28	Q2153-01	PP072487.D	30 May 2025 19:15	YP\AJ	Ok,M
29	Q2155-01	PP072488.D	30 May 2025 19:31	YP\AJ	Ok,M
30	Q2155-02	PP072489.D	30 May 2025 19:48	YP\AJ	Ok,M
31	Q2157-01	PP072490.D	30 May 2025 20:04	YP\AJ	Ok
32	AR1660CCC500	PP072491.D	30 May 2025 21:09	YP\AJ	Ok
33	AR1242CCC500	PP072492.D	30 May 2025 21:42	YP\AJ	Ok
34	AR1248CCC500	PP072493.D	30 May 2025 21:59	YP\AJ	Ok
35	AR1254CCC500	PP072494.D	30 May 2025 22:15	YP\AJ	Ok
36	I.BLK	PP072495.D	30 May 2025 22:31	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC			
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072162.D	19 May 2025 09:09		YP\AJ	Ok
2	I.BLK	I.BLK	PP072163.D	19 May 2025 09:26		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP072164.D	19 May 2025 09:42		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP072165.D	19 May 2025 09:59		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP072166.D	19 May 2025 10:15		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP072167.D	19 May 2025 10:32		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP072168.D	19 May 2025 10:48		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP072169.D	19 May 2025 11:05		YP\AJ	Ok
9	AR1232ICC1000	AR1232ICC1000	PP072170.D	19 May 2025 11:21		YP\AJ	Ok
10	AR1232ICC750	AR1232ICC750	PP072171.D	19 May 2025 11:38		YP\AJ	Ok
11	AR1232ICC500	AR1232ICC500	PP072172.D	19 May 2025 11:54		YP\AJ	Ok
12	AR1232ICC250	AR1232ICC250	PP072173.D	19 May 2025 12:10		YP\AJ	Ok
13	AR1232ICC050	AR1232ICC050	PP072174.D	19 May 2025 12:27		YP\AJ	Ok,M
14	AR1242ICC1000	AR1242ICC1000	PP072175.D	19 May 2025 12:43		YP\AJ	Ok
15	AR1242ICC750	AR1242ICC750	PP072176.D	19 May 2025 12:59		YP\AJ	Ok
16	AR1242ICC500	AR1242ICC500	PP072177.D	19 May 2025 13:15		YP\AJ	Ok
17	AR1242ICC250	AR1242ICC250	PP072178.D	19 May 2025 13:32		YP\AJ	Ok
18	AR1242ICC050	AR1242ICC050	PP072179.D	19 May 2025 13:48		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM
SubDirectory	PP051925	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		

19	AR1248ICC1000	AR1248ICC1000	PP072180.D	19 May 2025 14:04		YPIAJ	Ok
20	AR1248ICC750	AR1248ICC750	PP072181.D	19 May 2025 14:20		YPIAJ	Ok
21	AR1248ICC500	AR1248ICC500	PP072182.D	19 May 2025 14:37		YPIAJ	Ok
22	AR1248ICC250	AR1248ICC250	PP072183.D	19 May 2025 14:53		YPIAJ	Ok
23	AR1248ICC050	AR1248ICC050	PP072184.D	19 May 2025 15:25		YPIAJ	Ok,M
24	AR1254ICC1000	AR1254ICC1000	PP072185.D	19 May 2025 15:42		YPIAJ	Ok
25	AR1254ICC750	AR1254ICC750	PP072186.D	19 May 2025 15:58		YPIAJ	Ok
26	AR1254ICC500	AR1254ICC500	PP072187.D	19 May 2025 16:14		YPIAJ	Ok
27	AR1254ICC250	AR1254ICC250	PP072188.D	19 May 2025 16:31		YPIAJ	Ok
28	AR1254ICC050	AR1254ICC050	PP072189.D	19 May 2025 16:47		YPIAJ	Ok,M
29	AR1262ICC500	AR1262ICC500	PP072190.D	19 May 2025 17:03		YPIAJ	Ok
30	AR1268ICC1000	AR1268ICC1000	PP072191.D	19 May 2025 17:20		YPIAJ	Ok
31	AR1268ICC750	AR1268ICC750	PP072192.D	19 May 2025 17:36		YPIAJ	Ok
32	AR1268ICC500	AR1268ICC500	PP072193.D	19 May 2025 17:53		YPIAJ	Ok
33	AR1268ICC250	AR1268ICC250	PP072194.D	19 May 2025 18:09		YPIAJ	Ok
34	AR1268ICC050	AR1268ICC050	PP072195.D	19 May 2025 18:25		YPIAJ	Ok,M
35	PP051925ICV500	ICVPP051925	PP072196.D	19 May 2025 18:42		YPIAJ	Ok
36	AR1232ICV500	ICVPP051925AR1232	PP072197.D	19 May 2025 19:14		YPIAJ	Ok
37	AR1242ICV500	ICVPP051925AR1242	PP072198.D	19 May 2025 19:47		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051925

Review By	yogesh	Review On	5/19/2025 12:22:08 PM				
Supervise By	mohammad	Supervise On	5/22/2025 6:37:35 AM				
SubDirectory	PP051925	HP Acquire Method	HP Processing Method		PP051925		
STD. NAME		STD REF.#					
Tune/Reschk		PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard							
LCS Standard		PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387					

38	AR1248ICV500	ICVPP051925AR1248	PP072199.D	19 May 2025 20:19		YP\AJ	Ok
39	AR1254ICV500	ICVPP051925AR1254	PP072200.D	19 May 2025 20:52		YP\AJ	Ok
40	AR1268ICV500	ICVPP051925AR1268	PP072201.D	19 May 2025 21:25		YP\AJ	Ok

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM
SubDirectory	PP053025	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP072460.D	30 May 2025 10:05		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072461.D	30 May 2025 10:21		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP072462.D	30 May 2025 10:40		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP072463.D	30 May 2025 10:57		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP072464.D	30 May 2025 11:13		YP\AJ	Ok
6	I.BLK	I.BLK	PP072465.D	30 May 2025 11:29		YP\AJ	Ok
7	PB168208BL	PB168208BL	PP072466.D	30 May 2025 12:59		YP\AJ	Ok
8	PB168208BS	PB168208BS	PP072467.D	30 May 2025 13:15		YP\AJ	Ok
9	Q2150-01	TP-44	PP072468.D	30 May 2025 13:32		YP\AJ	Ok,M
10	Q2150-02	TP-42	PP072469.D	30 May 2025 13:48		YP\AJ	Ok
11	Q2150-02MS	TP-42MS	PP072470.D	30 May 2025 14:04	AR1016 recovery fail	YP\AJ	Ok,M
12	Q2150-02MSD	TP-42MSD	PP072471.D	30 May 2025 14:20	AR1016 recovery fail	YP\AJ	Ok,M
13	Q2150-03	TP-39	PP072472.D	30 May 2025 14:37		YP\AJ	Ok
14	Q2150-04	TP-48	PP072473.D	30 May 2025 14:53		YP\AJ	Ok
15	Q2150-05	TP-47	PP072474.D	30 May 2025 15:10		YP\AJ	Ok
16	Q2150-06	TP-50	PP072475.D	30 May 2025 15:26		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072476.D	30 May 2025 16:15		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP072477.D	30 May 2025 16:31		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP053025

Review By	yogesh	Review On	5/30/2025 1:38:04 PM
Supervise By	mohammad	Supervise On	6/3/2025 2:03:46 AM
SubDirectory	PP053025	HP Acquire Method	HP Processing Method PP051925
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP072478.D	30 May 2025 16:48		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP072479.D	30 May 2025 17:04		YPIAJ	Ok
21	I.BLK	I.BLK	PP072480.D	30 May 2025 17:20		YPIAJ	Ok
22	Q2150-07	TP-51	PP072481.D	30 May 2025 17:37		YPIAJ	Ok
23	Q2150-08	TP-52	PP072482.D	30 May 2025 17:53		YPIAJ	Ok,M
24	Q2150-09	TP-54	PP072483.D	30 May 2025 18:09		YPIAJ	Ok
25	Q2150-10	TP-53	PP072484.D	30 May 2025 18:26		YPIAJ	Ok
26	Q2151-01	WC-1	PP072485.D	30 May 2025 18:42		YPIAJ	Ok
27	Q2152-01	OK-02-05292025	PP072486.D	30 May 2025 18:58		YPIAJ	Ok,M
28	Q2153-01	TR-04-0592025	PP072487.D	30 May 2025 19:15		YPIAJ	Ok,M
29	Q2155-01	446	PP072488.D	30 May 2025 19:31	AR1260 Hit	YPIAJ	Ok,M
30	Q2155-02	447-SOLID	PP072489.D	30 May 2025 19:48		YPIAJ	Ok,M
31	Q2157-01	291	PP072490.D	30 May 2025 20:04		YPIAJ	Ok
32	AR1660CCC500	AR1660CCC500	PP072491.D	30 May 2025 21:09		YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PP072492.D	30 May 2025 21:42		YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PP072493.D	30 May 2025 21:59		YPIAJ	Ok
35	AR1254CCC500	AR1254CCC500	PP072494.D	30 May 2025 22:15		YPIAJ	Ok
36	I.BLK	I.BLK	PP072495.D	30 May 2025 22:31		YPIAJ	Ok

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	05/30/2025
Matrix :	Solid	Extraction Start Time :	08:50
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		
Extraction End Date :	05/30/2025		
Extraction End Time :	11:50		
Concentration By:	EH		
Supervisor By :	RUPESH		

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24597
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2613
Baked Na2SO4	N/A	EP2614
Sand	N/A	E2865
Hexane	N/A	E3938
H2SO4 1:1	N/A	EP2610
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
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723, Q2157-01 used Limited volume as sample is Oily Debris.

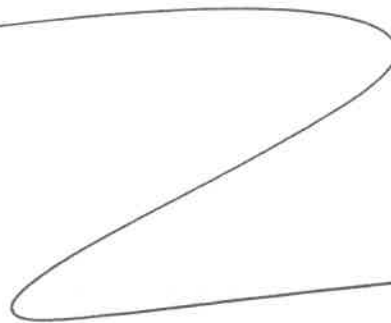
KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/30/25	RS (Ext Lab)	Y-P. prest HP
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/30/2025

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168208BL	ABLK208	PCB	30.02	N/A	ritesh	Evelyn	10			U1-1
PB168208BS	ALCS208	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q2150-01	TP-44	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q2150-02	TP-42	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2150-02MS	TP-42MS	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q2150-02MS D	TP-42MSD	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q2150-03	TP-39	PCB	30.08	N/A	ritesh	Evelyn	10	E		U2-1
Q2150-04	TP-48	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q2150-05	TP-47	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2150-06	TP-50	PCB	30.02	N/A	ritesh	Evelyn	10	E		4
Q2150-07	TP-51	PCB	30.07	N/A	ritesh	Evelyn	10	E		5
Q2150-08	TP-52	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q2150-09	TP-54	PCB	30.09	N/A	ritesh	Evelyn	10	E		U3-1
Q2150-10	TP-53	PCB	30.05	N/A	ritesh	Evelyn	10	E		2
Q2151-01	WC-1	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2152-01	OK-02-05292025	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q2153-01	TR-04-0592025	PCB	30.06	N/A	ritesh	Evelyn	10	E		5
Q2155-01	446	PCB	30.02	N/A	ritesh	Evelyn	10	E	Small Particles	6
Q2155-02	447-SOLID	PCB	30.01	N/A	ritesh	Evelyn	10	E	Small Particles	U7-1
Q2157-01	291	PCB	5.08	N/A	ritesh	Evelyn	10	E	Oily Debris	2



 Rs
 5/30

1682050

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2150 WorkList ID : 189836 Department : Extraction Date : 05-30-2025 08:28:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2150-01	TP-44	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-02	TP-42	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-03	TP-39	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-04	TP-48	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-05	TP-47	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-06	TP-50	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-07	TP-51	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-08	TP-52	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/27/2025	8082A
Q2150-09	TP-54	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2150-10	TP-53	Solid	PCB	Cool 4 deg C	CAMP02	L41	05/28/2025	8082A
Q2151-01	WC-1	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/28/2025	8082A
Q2152-01	OK-02-05292025	Solid	PCB	Cool 4 deg C	PSEG05	L21	05/29/2025	8082A
Q2153-01	TR-04-0592025	Solid	PCB	Cool 4 deg C	PSEG05	L31	05/29/2025	8082A
Q2155-01	446	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/29/2025	8082A
Q2155-02	447-SOLID	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/29/2025	8082A
Q2157-01	291	Solid	PCB	Cool 4 deg C	PSEG03	L31	05/29/2025	8082A

Date/Time 05/30/25 8:45
Raw Sample Received by: RJ (EFT-1060)
Raw Sample Relinquished by: (Signature) SM

Date/Time 05/30/25 9:10
Raw Sample Received by: (Signature) SM
Raw Sample Relinquished by: RJ (EFT-1060)



LAB CHRONICLE

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

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2150-01	TP-44	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-02	TP-42	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-03	TP-39	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-04	TP-48	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-05	TP-47	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-06	TP-50	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-07	TP-51	SOIL	PCB	8082A	05/27/25	05/30/25	05/30/25	05/28/25
Q2150-08	TP-52	SOIL	PCB	8082A	05/28/25	05/30/25	05/30/25	05/28/25
Q2150-09	TP-54	SOIL	PCB	8082A	05/28/25	05/30/25	05/30/25	05/28/25
Q2150-10	TP-53	SOIL	PCB	8082A	05/28/25	05/30/25	05/30/25	05/28/25