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Hit Summary Sheet
SW-846

SDG No.:

Q1415

Order ID:

Q1415

Client:

Portal Partners Tri-Venture

Project ID:

Amtrak Sawtooth Bridges 2025

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



SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-163-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.5
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
PP070037.D	1	02/25/25 09:02	02/25/25 12:55	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	19.2	ug/kg
11104-28-2	Aroclor-1221	7.20	U	7.20	19.2	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	19.2	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	19.2	ug/kg
12672-29-6	Aroclor-1248	8.90	U	8.90	19.2	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.2	ug/kg
37324-23-5	Aroclor-1262	5.20	U	5.20	19.2	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	19.2	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.9		30 (32) - 150 (144)	125%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.5		30 (32) - 150 (175)	112%	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:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB01	SDG No.:	Q1415
Lab Sample ID:	Q1415-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	86.6
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
PP070038.D	1	02/25/25 09:02	02/25/25 13:11	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	19.6	ug/kg
11104-28-2	Aroclor-1221	7.40	U	7.40	19.6	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	19.6	ug/kg
53469-21-9	Aroclor-1242	3.90	U	3.90	19.6	ug/kg
12672-29-6	Aroclor-1248	9.10	U	9.10	19.6	ug/kg
11097-69-1	Aroclor-1254	3.10	U	3.10	19.6	ug/kg
37324-23-5	Aroclor-1262	5.30	U	5.30	19.6	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.6	ug/kg
11096-82-5	Aroclor-1260	3.40	U	3.40	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.7		30 (32) - 150 (144)	134%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.0		30 (32) - 150 (175)	120%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-163-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	72.4
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
PP070039.D	1	02/25/25 09:02	02/25/25 13:28	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	23.4	ug/kg
11104-28-2	Aroclor-1221	8.80	U	8.80	23.4	ug/kg
11141-16-5	Aroclor-1232	4.70	U	4.70	23.4	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	23.4	ug/kg
12672-29-6	Aroclor-1248	10.9	U	10.9	23.4	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	23.4	ug/kg
37324-23-5	Aroclor-1262	6.30	U	6.30	23.4	ug/kg
11100-14-4	Aroclor-1268	4.70	U	4.70	23.4	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		30 (32) - 150 (175)	90%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	B-172-SB02	SDG No.:	Q1415
Lab Sample ID:	Q1415-04	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	89.7
Sample Wt/Vol:	30.02	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
PP070040.D	1	02/25/25 09:02	02/25/25 13:44	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.9	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	18.9	ug/kg
11141-16-5	Aroclor-1232	3.80	U	3.80	18.9	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	18.9	ug/kg
12672-29-6	Aroclor-1248	8.80	U	8.80	18.9	ug/kg
11097-69-1	Aroclor-1254	3.00	U	3.00	18.9	ug/kg
37324-23-5	Aroclor-1262	5.10	U	5.10	18.9	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	18.9	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.9		30 (32) - 150 (144)	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		30 (32) - 150 (175)	119%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	FB02222025	SDG No.:	Q1415
Lab Sample ID:	Q1415-05	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	480	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070055.D	1	02/25/25 08:49	02/25/25 18:10	PB166856

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.16	U	0.16	0.52	ug/L
11104-28-2	Aroclor-1221	0.24	U	0.24	0.52	ug/L
11141-16-5	Aroclor-1232	0.39	U	0.39	0.52	ug/L
53469-21-9	Aroclor-1242	0.17	U	0.17	0.52	ug/L
12672-29-6	Aroclor-1248	0.13	U	0.13	0.52	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.52	ug/L
37324-23-5	Aroclor-1262	0.15	U	0.15	0.52	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.52	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.6		30 (10) - 150 (157)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.2		30 (10) - 150 (173)	81%	SPK: 20

Comments:

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Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	02/22/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	02/24/25	
Client Sample ID:	B-173-GW01		SDG No.:	Q1415	
Lab Sample ID:	Q1415-06		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	900	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070056.D	1	02/25/25 08:49	02/25/25 18:26	PB166856

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.17	U	0.17	0.56	ug/L
11104-28-2	Aroclor-1221	0.26	U	0.26	0.56	ug/L
11141-16-5	Aroclor-1232	0.41	U	0.41	0.56	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.56	ug/L
12672-29-6	Aroclor-1248	0.13	U	0.13	0.56	ug/L
11097-69-1	Aroclor-1254	0.12	U	0.12	0.56	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.56	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.56	ug/L
11096-82-5	Aroclor-1260	0.17	U	0.17	0.56	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.9		30 (10) - 150 (157)	119%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.5		30 (10) - 150 (173)	88%	SPK: 20

Comments:

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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

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QC SUMMARY

Surrogate Summary

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP069995.D	PIBLK-PP069995.D	Tetrachloro-m-xylene	1	20	21.9	109		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.8	109		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.6	108		70 (60)	130 (140)
I.BLK-PP070034.D	PIBLK-PP070034.D	Tetrachloro-m-xylene	1	20	16.9	85		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.4	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.8	84		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.0	90		70 (60)	130 (140)
PB166854BL	PB166854BL	Tetrachloro-m-xylene	1	20	23.9	119		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	24.3	122		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.1	120		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	23.1	116		30 (32)	150 (175)
PB166854BS	PB166854BS	Tetrachloro-m-xylene	1	20	26.0	130		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	25.4	127		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.9	125		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.7	123		30 (32)	150 (175)
Q1415-01	B-163-SB01	Tetrachloro-m-xylene	1	20	24.4	122		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.2	106		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.9	125		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.5	112		30 (32)	150 (175)
Q1415-02	B-172-SB01	Tetrachloro-m-xylene	1	20	26.6	133		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.0	115		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	26.7	134		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	24.0	120		30 (32)	150 (175)
Q1415-03	B-163-SB02	Tetrachloro-m-xylene	1	20	23.9	119		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	18.0	90		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.5	88		30 (32)	150 (175)
Q1415-04	B-172-SB02	Tetrachloro-m-xylene	1	20	25.7	128		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	23.8	119		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	25.9	130		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.3	106		30 (32)	150 (175)
I.BLK-PP070046.D	PIBLK-PP070046.D	Tetrachloro-m-xylene	1	20	17.7	89		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.4	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.1	91		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.0	90		70 (60)	130 (140)
Q1421-02MS	P001-CLAY-CF01-01MS	Tetrachloro-m-xylene	1	20	28.0	140		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	25.6	128		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	27.5	137		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	25.2	126		30 (32)	150 (175)
Q1421-03MSD	P001-CLAY-CF01-01MSD	Tetrachloro-m-xylene	1	20	28.0	140		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1421-03MSD	P001-CLAY-CF01-01MSD	Decachlorobiphenyl	1	20	26.0	130		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	25.9	130		30 (32)	150 (144)
PB166856BL	PB166856BL	Decachlorobiphenyl	2	20	25.2	126		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	24.8	124		30 (10)	150 (157)
		Decachlorobiphenyl	1	20	24.2	121		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	24.2	121		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	25.5	128		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	24.9	124		30 (10)	150 (157)
PB166856BS	PB166856BS	Decachlorobiphenyl	1	20	23.8	119		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	23.5	117		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	23.7	118		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	25.2	126		30 (10)	150 (157)
PB166856BSD	PB166856BSD	Decachlorobiphenyl	1	20	24.0	120		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	24.5	123		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	24.9	125		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (10)	150 (157)
Q1415-05	FB02222025	Decachlorobiphenyl	1	20	16.2	81		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.6	98		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	15.6	78		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	23.9	119		30 (10)	150 (157)
Q1415-06	B-173-GW01	Decachlorobiphenyl	1	20	15.8	79		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	23.5	117		30 (10)	150 (157)
		Decachlorobiphenyl	2	20	17.5	88		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	17.8	89		70 (60)	130 (140)
I.BLK-PP070058.D	PIBLK-PP070058.D	Decachlorobiphenyl	1	20	17.8	89		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.6	93		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.8	99		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	19.8	99		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP070048.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-CLAY-CF01-01MS											
Q1421-02MS	AR1016	237	0	246	ug/kg	104				40 (55)	140 (146)	
	AR1260	237	0	224	ug/kg	95				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP070049.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	P001-CLAY-CF01-01MSD											
Q1421-03MSD	AR1016	236.8	0	249	ug/kg	105		1		40 (55)	140 (146)	30 (20)
	AR1260	236.8	0	226	ug/kg	95		0		40 (45)	140 (144)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP070036.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166854BS	AR1016	166.6	166	ug/kg	100				40 (71)	140 (120)		
	AR1260	166.6	158	ug/kg	95				40 (65)	140 (130)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: 8082A **Datafile :** PP070053.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166856BS	AR1016	5	4.90	ug/L	98				40 (61)	140 (112)		
	AR1260	5	4.60	ug/L	92				40 (66)	140 (113)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1415

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP070054.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB166856BSD	AR1016	5	5.00	ug/L	100	2			40 (61)	140 (112)	20 (20)
	AR1260	5	4.70	ug/L	94	2			40 (66)	140 (113)	20 (20)

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166854BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1415

SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: PB166854BL

Lab File ID: PP070035.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/25/2025

Date Analyzed (1): 02/25/2025

Date Analyzed (2): 02/25/2025

Time Analyzed (1): 12:23

Time Analyzed (2): 12:23

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
PB166854BS	PB166854BS	PP070036.D	02/25/2025	02/25/2025
B-163-SB01	Q1415-01	PP070037.D	02/25/2025	02/25/2025
B-172-SB01	Q1415-02	PP070038.D	02/25/2025	02/25/2025
B-163-SB02	Q1415-03	PP070039.D	02/25/2025	02/25/2025
B-172-SB02	Q1415-04	PP070040.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MS	Q1421-02MS	PP070048.D	02/25/2025	02/25/2025
P001-CLAY-CF01-01MSD	Q1421-03MSD	PP070049.D	02/25/2025	02/25/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166856BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1415

SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: PB166856BL

Lab File ID: PP070052.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 02/25/2025

Date Analyzed (1): 02/25/2025

Date Analyzed (2): 02/25/2025

Time Analyzed (1): 17:21

Time Analyzed (2): 17:21

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
PB166856BS	PB166856BS	PP070053.D	02/25/2025	02/25/2025
PB166856BSD	PB166856BSD	PP070054.D	02/25/2025	02/25/2025
FB02222025	Q1415-05	PP070055.D	02/25/2025	02/25/2025
B-173-GW01	Q1415-06	PP070056.D	02/25/2025	02/25/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB166854BL		SDG No.:	Q1415	
Lab Sample ID:	PB166854BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	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
PP070035.D	1	02/25/25 09:02	02/25/25 12:23	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		30 (32) - 150 (144)	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		30 (32) - 150 (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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166856BL	SDG No.:	Q1415
Lab Sample ID:	PB166856BL	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070052.D	1	02/25/25 08:49	02/25/25 17:21	PB166856

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.8		30 (10) - 150 (157)	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.5		30 (10) - 150 (173)	128%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	02/24/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/24/25
Client Sample ID:	PIBLK-PP069995.D	SDG No.:	Q1415
Lab Sample ID:	I.BLK-PP069995.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069995.D	1		02/24/25	PP022425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.9		70 (60) - 130 (140)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		70 (60) - 130 (140)	108%	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:	Portal Partners Tri-Venture		Date Collected:	02/25/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	02/25/25	
Client Sample ID:	PIBLK-PP070034.D		SDG No.:	Q1415	
Lab Sample ID:	I.BLK-PP070034.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070034.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		70 (60) - 130 (140)	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		70 (60) - 130 (140)	87%	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:	Portal Partners Tri-Venture		Date Collected:	02/25/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	02/25/25	
Client Sample ID:	PIBLK-PP070046.D		SDG No.:	Q1415	
Lab Sample ID:	I.BLK-PP070046.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070046.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		70 (60) - 130 (140)	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		70 (60) - 130 (140)	87%	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:	Portal Partners Tri-Venture	Date Collected:	02/25/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	02/25/25
Client Sample ID:	PIBLK-PP070058.D	SDG No.:	Q1415
Lab Sample ID:	I.BLK-PP070058.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	5030		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070058.D	1		02/25/25	PP022525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.8		70 (60) - 130 (140)	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.8		70 (60) - 130 (140)	89%	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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB166854BS		SDG No.:	Q1415	
Lab Sample ID:	PB166854BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	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
PP070036.D	1	02/25/25 09:02	02/25/25 12:39	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	166		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	158		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	26.0		30 (32) - 150 (144)	130%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.4		30 (32) - 150 (175)	127%	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:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB166856BS		SDG No.:	Q1415	
Lab Sample ID:	PB166856BS		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070053.D	1	02/25/25 08:49	02/25/25 17:37	PB166856

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.90		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.60		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.9		30 (10) - 150 (157)	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.8		30 (10) - 150 (173)	119%	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:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB166856BSD	SDG No.:	Q1415
Lab Sample ID:	PB166856BSD	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070054.D	1	02/25/25 08:49	02/25/25 17:53	PB166856

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	5.00		0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.15	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	25.2		30 (10) - 150 (157)	126%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.9		30 (10) - 150 (173)	125%	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:	Portal Partners Tri-Venture		Date Collected:	02/24/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	02/24/25	
Client Sample ID:	P001-CLAY-CF01-01MS		SDG No.:	Q1415	
Lab Sample ID:	Q1421-02MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	70.3	Decanted:
Sample Wt/Vol:	30.01	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
PP070048.D	1	02/25/25 09:02	02/25/25 16:16	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	246		4.80	24.2	ug/kg
11104-28-2	Aroclor-1221	9.10	U	9.10	24.2	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	24.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	24.2	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	24.2	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	24.2	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	24.2	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	24.2	ug/kg
11096-82-5	Aroclor-1260	224		4.10	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.0		30 (32) - 150 (144)	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.6		30 (32) - 150 (175)	128%	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:	Portal Partners Tri-Venture		Date Collected:	02/24/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	02/24/25	
Client Sample ID:	P001-CLAY-CF01-01MSD		SDG No.:	Q1415	
Lab Sample ID:	Q1421-03MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	70.3	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
PP070049.D	1	02/25/25 09:02	02/25/25 16:32	PB166854

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	249		4.80	24.2	ug/kg
11104-28-2	Aroclor-1221	9.10	U	9.10	24.2	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	24.2	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	24.2	ug/kg
12672-29-6	Aroclor-1248	11.2	U	11.2	24.2	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	24.2	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	24.2	ug/kg
11100-14-4	Aroclor-1268	4.90	U	4.90	24.2	ug/kg
11096-82-5	Aroclor-1260	226		4.10	24.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	28.0		30 (32) - 150 (144)	140%	SPK: 20
2051-24-3	Decachlorobiphenyl	26.0		30 (32) - 150 (175)	130%	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
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GC Column: ZB-MR1 ID: 0.32 (mm)

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.25	10.25	10.26	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene	4.52	4.53	4.53	4.52	4.53	4.53	4.43	4.63

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.89	8.89	8.89	8.89	8.89	8.89	8.79	8.99
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Instrument ID: ECD_P

Calibration Date(s): 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID:		CF 1000 = <u>PP069996.D</u>		CF 750 = <u>PP069997.D</u>			
CF 500 = <u>PP069998.D</u>		CF 250 = <u>PP069999.D</u>		CF 050 = <u>PP070000.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	45557625	47855512	49968516	54800208	50948980	49826168
Aroclor-1016-2	(2)	66706952	67781012	72991154	76640772	69769920	70777962
Aroclor-1016-3	(3)	40794671	44579197	45146958	47844192	41247180	43922440
Aroclor-1016-4	(4)	33978080	35043389	37559532	39668600	35057220	36261364
Aroclor-1016-5	(5)	31514906	31680175	34068042	35364724	35064900	33538549
Aroclor-1260-1	(1)	54823994	55486535	59388846	62695304	59405260	58359988
Aroclor-1260-2	(2)	73383444	75987972	80712800	85961116	92581060	81725278
Aroclor-1260-3	(3)	59489338	60560020	64011918	67792592	61951460	62761066
Aroclor-1260-4	(4)	58704582	59596489	63141360	67201512	68361020	63400993
Aroclor-1260-5	(5)	124764910	128178828	134805260	140592412	127581700	131184622
Decachlorobiphenyl		1071742430	1139629213	1165555660	1227723520	1090515400	1139033245
Tetrachloro-m-xylene		1433727050	1435859520	1533424440	1590932200	1344174400	1467623522
Aroclor-1242-1	(1)	38359202	40766156	41566668	47963164	43620760	42455190
Aroclor-1242-2	(2)	56757612	55666953	60328714	62664932	52294440	57542530
Aroclor-1242-3	(3)	34692482	36785992	38528310	46539712	33080140	37925327
Aroclor-1242-4	(4)	28738709	28291829	32018112	32372976	27652280	29814781
Aroclor-1242-5	(5)	32588629	32785485	35429746	39255208	36117200	35235254
Decachlorobiphenyl		1021050090	1049520227	1099648880	1125224680	979176800	1054924135
Tetrachloro-m-xylene		1392047690	1350066600	1467421460	1456806320	1242599600	1381788334
Aroclor-1248-1	(1)	29585124	31433301	32559076	36305496	33667780	32710155
Aroclor-1248-2	(2)	39473771	42013749	42864276	46958912	39450360	42152214
Aroclor-1248-3	(3)	43926772	44170904	46948106	50004072	40811360	45172243
Aroclor-1248-4	(4)	53918087	55655911	58640506	66304332	60297700	58963307
Aroclor-1248-5	(5)	51833391	52919351	56894804	67563228	56719440	57186043
Decachlorobiphenyl		1044729320	1067835560	1119982260	1186291160	1031748600	1090117380
Tetrachloro-m-xylene		1393266240	1426265507	1481945040	1527838200	1310175600	1427898117
Aroclor-1254-1	(1)	51156577	57570420	60622162	67008468	47144000	56700325
Aroclor-1254-2	(2)	78872042	81254612	86985854	93340172	97974740	87685484
Aroclor-1254-3	(3)	79973406	82322503	87641586	92940192	102754200	89126377
Aroclor-1254-4	(4)	66856800	68050653	73453394	76814612	87380160	74511124
Aroclor-1254-5	(5)	65315189	68448207	69620926	72356948	60070200	67162294
Decachlorobiphenyl		1075591380	1094765307	1221801800	1207489520	1097348200	1139399241
Tetrachloro-m-xylene		1443804100	1475957520	1555264320	1605313440	1392239200	1494515716
Aroclor-1268-1	(1)	188433469	184749517	193628348	206851508	186804180	192093404

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	162697797	159627413	168307400	177293676	160000200	165585297	4
Aroclor-1268-3	(3)	141621356	137143849	145386650	153273656	140094780	143504058	4
Aroclor-1268-4	(4)	63392961	60284985	64357574	66970196	60240320	63049207	5
Aroclor-1268-5	(5)	414016384	401287087	418333378	444189832	401775920	415920520	4
Decachlorobiphenyl		1839528480	1828279133	1916502300	2031355480	1847859400	1892704959	4
Tetrachloro-m-xylene		1501238100	1376017987	1532711540	1621137720	1417123400	1489645749	7

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Instrument ID: ECD_P

Calibration Date(s): 02/24/2025 02/24/2025

Calibration Times: 14:59 22:17

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

LAB FILE ID:		CF 1000 = <u>PP069996.D</u>		CF 750 = <u>PP069997.D</u>			
CF 500 = <u>PP069998.D</u>		CF 250 = <u>PP069999.D</u>		CF 050 = <u>PP070000.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	29885830	30191223	33586918	36186236	37142680	33398577
Aroclor-1016-2	(2)	42247324	42370143	46984138	50510676	50858960	46594248
Aroclor-1016-3	(3)	23325129	22666977	25816242	27757500	25596220	25032414
Aroclor-1016-4	(4)	18421261	17991491	20585360	22152124	21203180	20070683
Aroclor-1016-5	(5)	23822938	23028484	26536406	28616852	27728040	25946544
Aroclor-1260-1	(1)	44977992	45171227	49550340	56779968	51216800	49539265
Aroclor-1260-2	(2)	59688698	59926561	64720792	71640216	71124240	65420101
Aroclor-1260-3	(3)	52251359	51461445	57261004	62988144	77648420	60322074
Aroclor-1260-4	(4)	44361395	45109507	48615116	51524344	54726600	48867392
Aroclor-1260-5	(5)	111484150	113477796	119592622	125243744	126075940	119174850
Decachlorobiphenyl		984571270	1029317907	1118262220	1135932120	1152437600	1084104223
Tetrachloro-m-xylene		879784240	907640400	952717360	1058760600	981262000	956032920
Aroclor-1242-1	(1)	25489035	24475017	27848416	27117444	28407820	26667546
Aroclor-1242-2	(2)	35977820	35199769	38539928	39076044	37212540	37201220
Aroclor-1242-3	(3)	19863858	18273261	20997152	20082888	19211500	19685732
Aroclor-1242-4	(4)	18777771	17922656	19968364	21100536	20505160	19654897
Aroclor-1242-5	(5)	24360224	22407967	26366090	27368000	23855560	24871568
Decachlorobiphenyl		899284040	984619373	1017502000	1027377360	962336000	978223755
Tetrachloro-m-xylene		920809800	854904253	959106780	929536920	894966400	911864831
Aroclor-1248-1	(1)	19339318	20312839	22158310	22596092	21441940	21169700
Aroclor-1248-2	(2)	25841628	26874321	28982946	30984640	28578600	28252427
Aroclor-1248-3	(3)	26866525	28025000	30088164	32810700	30987640	29755606
Aroclor-1248-4	(4)	31739244	33065895	35285822	36808472	38827540	35145395
Aroclor-1248-5	(5)	32923317	34190145	36090288	38291344	39345240	36168067
Decachlorobiphenyl		999826530	1002616133	1003875200	1054961080	1165261200	1045308029
Tetrachloro-m-xylene		903111320	931293867	957405100	986258320	972075400	950028801
Aroclor-1254-1	(1)	50279933	51640439	55752488	60013056	55160920	54569367
Aroclor-1254-2	(2)	44271421	45567105	49578352	53549416	50761380	48745535
Aroclor-1254-3	(3)	70979950	72598121	78881282	84287020	72336540	75816583
Aroclor-1254-4	(4)	50771725	50149405	54249580	57298592	44830820	51460024
Aroclor-1254-5	(5)	64408865	66088107	72696700	75630908	59021560	67569228
Decachlorobiphenyl		963124600	1013018133	1145558760	1245512000	1148271200	1103096939
Tetrachloro-m-xylene		957176240	952284093	991535260	1081903280	978837400	992347255
Aroclor-1268-1	(1)	160284327	157759444	159569126	170516088	180615940	165748985

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	139528496	137224495	137304354	146542344	164608100	145041558	8
Aroclor-1268-3	(3)	118669811	115934707	120470364	129761704	127485360	122464389	5
Aroclor-1268-4	(4)	50956768	50155827	52914114	57814536	54084040	53185057	6
Aroclor-1268-5	(5)	345492428	353062379	344150492	366619864	366772500	355219533	3
Decachlorobiphenyl		1574839450	1670989493	1686779340	1791292760	1882315600	1721243329	7
Tetrachloro-m-xylene		969499550	855552893	995885280	1076293640	1034726400	986391553	8

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Instrument ID: ECD_P Date(s) Analyzed: 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.73	4.63	4.83	18915900
		2	4.81	4.71	4.91	14591600
		3	4.89	4.79	4.99	43158200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.89	4.79	4.99	32884000
		2	5.42	5.32	5.52	16260200
		3	5.70	5.60	5.80	34867200
		4	5.86	5.76	5.96	17799400
		5	5.95	5.85	6.05	12607200
Aroclor-1262	500	1	8.11	8.01	8.21	80729000
		2	8.43	8.33	8.53	161087000
		3	8.75	8.65	8.85	110612000
		4	8.84	8.74	8.94	83914000
		5	9.49	9.39	9.59	58804600

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Instrument ID: ECD_P Date(s) Analyzed: 02/24/2025 02/24/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.04	3.94	4.14	13421200
		2	4.13	4.03	4.23	10166200
		3	4.21	4.11	4.31	30359600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.21	4.11	4.31	22742000
		2	4.94	4.84	5.04	22833200
		3	5.12	5.02	5.22	12024000
		4	5.20	5.10	5.30	10865300
		5	5.37	5.27	5.47	11305400
Aroclor-1262	500	1	6.97	6.87	7.07	83475400
		2	7.23	7.13	7.33	66291000
		3	7.75	7.65	7.85	60580400
		4	7.81	7.71	7.91	105474000
		5	8.32	8.22	8.42	51930200

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 09:43 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.16	6.16	6.06	6.26	0.00
Aroclor-1260-1	(1)	7.28	7.28	7.18	7.38	0.00
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.88	7.89	7.79	7.99	0.01
Aroclor-1260-4	(4)	8.12	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.44	8.43	8.33	8.53	-0.01
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 09:43 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.76	6.75	6.65	6.85	-0.01
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL01 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070030.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.683	5.581	5.781	505.940	500.000	1.2
Aroclor-1016-2	5.704	5.602	5.802	520.740	500.000	4.1
Aroclor-1016-3	5.767	5.665	5.865	499.380	500.000	-0.1
Aroclor-1016-4	5.864	5.762	5.962	514.200	500.000	2.8
Aroclor-1016-5	6.157	6.056	6.256	514.170	500.000	2.8
Aroclor-1260-1	7.277	7.175	7.375	514.020	500.000	2.8
Aroclor-1260-2	7.530	7.429	7.629	496.310	500.000	-0.7
Aroclor-1260-3	7.884	7.788	7.988	585.370	500.000	17.1
Aroclor-1260-4	8.115	8.012	8.212	519.540	500.000	3.9
Aroclor-1260-5	8.435	8.333	8.533	515.640	500.000	3.1
Decachlorobiphenyl	10.262	10.156	10.356	51.550	50.000	3.1
Tetrachloro-m-xylene	4.529	4.427	4.627	53.390	50.000	6.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL01 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070030.D Time Analyzed: 09:43

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.920	4.820	5.020	511.860	500.000	2.4
Aroclor-1016-2	4.939	4.839	5.039	517.760	500.000	3.6
Aroclor-1016-3	5.117	5.017	5.217	535.770	500.000	7.2
Aroclor-1016-4	5.158	5.058	5.258	534.310	500.000	6.9
Aroclor-1016-5	5.374	5.273	5.473	527.970	500.000	5.6
Aroclor-1260-1	6.412	6.312	6.512	523.760	500.000	4.8
Aroclor-1260-2	6.599	6.500	6.700	520.310	500.000	4.1
Aroclor-1260-3	6.755	6.654	6.854	482.990	500.000	-3.4
Aroclor-1260-4	7.226	7.126	7.326	532.640	500.000	6.5
Aroclor-1260-5	7.467	7.367	7.567	503.450	500.000	0.7
Decachlorobiphenyl	8.889	8.788	8.988	48.530	50.000	-2.9
Tetrachloro-m-xylene	3.831	3.730	3.930	51.350	50.000	2.7

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 15:27 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.77	5.77	5.67	5.87	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.16	6.16	6.06	6.26	0.00
Aroclor-1260-1	(1)	7.28	7.28	7.18	7.38	0.00
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 15:27 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.38	5.37	5.27	5.47	-0.01
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.76	6.75	6.65	6.85	-0.01
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL02 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070045.D Time Analyzed: 15:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.682	5.581	5.781	493.070	500.000	-1.4
Aroclor-1016-2	5.703	5.602	5.802	488.280	500.000	-2.3
Aroclor-1016-3	5.766	5.665	5.865	485.740	500.000	-2.9
Aroclor-1016-4	5.863	5.762	5.962	479.880	500.000	-4.0
Aroclor-1016-5	6.156	6.056	6.256	494.780	500.000	-1.0
Aroclor-1260-1	7.276	7.175	7.375	470.130	500.000	-6.0
Aroclor-1260-2	7.529	7.429	7.629	457.880	500.000	-8.4
Aroclor-1260-3	7.888	7.788	7.988	484.630	500.000	-3.1
Aroclor-1260-4	8.113	8.012	8.212	477.180	500.000	-4.6
Aroclor-1260-5	8.433	8.333	8.533	494.540	500.000	-1.1
Decachlorobiphenyl	10.258	10.156	10.356	49.540	50.000	-0.9
Tetrachloro-m-xylene	4.528	4.427	4.627	50.690	50.000	1.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL02 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070045.D Time Analyzed: 15:27

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.922	4.820	5.020	474.050	500.000	-5.2
Aroclor-1016-2	4.941	4.839	5.039	475.050	500.000	-5.0
Aroclor-1016-3	5.118	5.017	5.217	482.530	500.000	-3.5
Aroclor-1016-4	5.160	5.058	5.258	484.710	500.000	-3.1
Aroclor-1016-5	5.375	5.273	5.473	481.080	500.000	-3.8
Aroclor-1260-1	6.413	6.312	6.512	468.300	500.000	-6.3
Aroclor-1260-2	6.601	6.500	6.700	476.360	500.000	-4.7
Aroclor-1260-3	6.755	6.654	6.854	428.530	500.000	-14.3
Aroclor-1260-4	7.228	7.126	7.326	444.280	500.000	-11.1
Aroclor-1260-5	7.468	7.367	7.567	467.420	500.000	-6.5
Decachlorobiphenyl	8.890	8.788	8.988	46.920	50.000	-6.2
Tetrachloro-m-xylene	3.832	3.730	3.930	48.180	50.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 19:04 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.77	5.67	5.87	0.01
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.16	6.06	6.26	0.01
Aroclor-1260-1	(1)	7.27	7.28	7.18	7.38	0.01
Aroclor-1260-2	(2)	7.53	7.53	7.43	7.63	0.00
Aroclor-1260-3	(3)	7.89	7.89	7.79	7.99	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.00
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.53	4.53	4.43	4.63	0.00
Decachlorobiphenyl		10.26	10.26	10.16	10.36	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Continuing Calib Date: 02/25/2025 Initial Calibration Date(s): 02/24/2025 02/24/2025

Continuing Calib Time: 19:04 Initial Calibration Time(s): 14:59 22:17

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-2	(2)	4.94	4.94	4.84	5.04	0.00
Aroclor-1016-3	(3)	5.12	5.12	5.02	5.22	0.00
Aroclor-1016-4	(4)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.00
Aroclor-1260-1	(1)	6.41	6.41	6.31	6.51	0.00
Aroclor-1260-2	(2)	6.60	6.60	6.50	6.70	0.00
Aroclor-1260-3	(3)	6.75	6.75	6.65	6.85	0.00
Aroclor-1260-4	(4)	7.23	7.23	7.13	7.33	0.00
Aroclor-1260-5	(5)	7.47	7.47	7.37	7.57	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.89	8.89	8.79	8.99	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL03 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070057.D Time Analyzed: 19:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.681	5.581	5.781	504.510	500.000	0.9
Aroclor-1016-2	5.702	5.602	5.802	518.780	500.000	3.8
Aroclor-1016-3	5.764	5.665	5.865	596.270	500.000	19.3
Aroclor-1016-4	5.862	5.762	5.962	533.560	500.000	6.7
Aroclor-1016-5	6.154	6.056	6.256	597.690	500.000	19.5
Aroclor-1260-1	7.274	7.175	7.375	546.230	500.000	9.2
Aroclor-1260-2	7.528	7.429	7.629	485.180	500.000	-3.0
Aroclor-1260-3	7.886	7.788	7.988	518.870	500.000	3.8
Aroclor-1260-4	8.111	8.012	8.212	508.370	500.000	1.7
Aroclor-1260-5	8.432	8.333	8.533	517.950	500.000	3.6
Decachlorobiphenyl	10.255	10.156	10.356	51.200	50.000	2.4
Tetrachloro-m-xylene	4.528	4.427	4.627	53.380	50.000	6.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/24/2025 02/24/2025

Client Sample No.: CCAL03 Date Analyzed: 02/25/2025

Lab Sample No.: AR1660CCC500 Data File : PP070057.D Time Analyzed: 19:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.920	4.820	5.020	505.210	500.000	1.0
Aroclor-1016-2	4.939	4.839	5.039	502.910	500.000	0.6
Aroclor-1016-3	5.117	5.017	5.217	516.640	500.000	3.3
Aroclor-1016-4	5.158	5.058	5.258	509.820	500.000	2.0
Aroclor-1016-5	5.373	5.273	5.473	534.740	500.000	6.9
Aroclor-1260-1	6.412	6.312	6.512	491.190	500.000	-1.8
Aroclor-1260-2	6.599	6.500	6.700	491.950	500.000	-1.6
Aroclor-1260-3	6.753	6.654	6.854	476.690	500.000	-4.7
Aroclor-1260-4	7.226	7.126	7.326	539.140	500.000	7.8
Aroclor-1260-5	7.467	7.367	7.567	529.100	500.000	5.8
Decachlorobiphenyl	8.888	8.788	8.988	53.790	50.000	7.6
Tetrachloro-m-xylene	3.831	3.730	3.930	50.160	50.000	0.3

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1415
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 02/24/2025 02/24/2025

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	02/24/2025	14:43	PP069995.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	10.25	4.52
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	10.26	4.53
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	10.26	4.53
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	10.25	4.52
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	10.26	4.53
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	10.25	4.52
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	10.26	4.53
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	10.25	4.52
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	10.26	4.53
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	10.25	4.53
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	10.26	4.53
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	10.26	4.53
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	10.26	4.53
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	10.26	4.53
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	10.26	4.53
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	10.26	4.53
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	10.25	4.52
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	10.26	4.53
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	10.26	4.53
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	10.26	4.52
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	10.25	4.53
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	10.25	4.52
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	10.25	4.53
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	10.26	4.53
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	10.25	4.52
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	09:43	PP070030.D	10.26	4.53
IBLK	IBLK	02/25/2025	10:48	PP070034.D	10.25	4.53
PB166854BL	PB166854BL	02/25/2025	12:23	PP070035.D	10.28	4.54
PB166854BS	PB166854BS	02/25/2025	12:39	PP070036.D	10.26	4.53
B-163-SB01	Q1415-01	02/25/2025	12:55	PP070037.D	10.26	4.53
B-172-SB01	Q1415-02	02/25/2025	13:11	PP070038.D	10.26	4.52
B-163-SB02	Q1415-03	02/25/2025	13:28	PP070039.D	10.26	4.53
B-172-SB02	Q1415-04	02/25/2025	13:44	PP070040.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	15:27	PP070045.D	10.26	4.53
IBLK	IBLK	02/25/2025	15:43	PP070046.D	10.26	4.53
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	16:16	PP070048.D	10.26	4.53
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	16:32	PP070049.D	10.26	4.53
PB166856BL	PB166856BL	02/25/2025	17:21	PP070052.D	10.26	4.53

Analytical Sequence

PB166856BS	PB166856BS	02/25/2025	17:37	PP070053.D	10.26	4.53
PB166856BSD	PB166856BSD	02/25/2025	17:53	PP070054.D	10.26	4.53
FB02222025	Q1415-05	02/25/2025	18:10	PP070055.D	10.26	4.53
B-173-GW01	Q1415-06	02/25/2025	18:26	PP070056.D	10.26	4.53
AR1660CCC500	AR1660CCC500	02/25/2025	19:04	PP070057.D	10.26	4.53
LBLK	LBLK	02/25/2025	19:20	PP070058.D	10.26	4.53

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1415	
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_P	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 02/24/2025 02/24/2025

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	02/24/2025	14:43	PP069995.D	8.89	3.83
AR1660ICC1000	AR1660ICC1000	02/24/2025	14:59	PP069996.D	8.89	3.83
AR1660ICC750	AR1660ICC750	02/24/2025	15:15	PP069997.D	8.89	3.83
AR1660ICC500	AR1660ICC500	02/24/2025	15:32	PP069998.D	8.89	3.83
AR1660ICC250	AR1660ICC250	02/24/2025	15:48	PP069999.D	8.89	3.83
AR1660ICC050	AR1660ICC050	02/24/2025	16:04	PP070000.D	8.89	3.83
AR1221ICC500	AR1221ICC500	02/24/2025	16:20	PP070001.D	8.89	3.83
AR1232ICC500	AR1232ICC500	02/24/2025	16:37	PP070002.D	8.89	3.83
AR1242ICC1000	AR1242ICC1000	02/24/2025	16:53	PP070003.D	8.89	3.83
AR1242ICC750	AR1242ICC750	02/24/2025	17:09	PP070004.D	8.89	3.83
AR1242ICC500	AR1242ICC500	02/24/2025	17:25	PP070005.D	8.89	3.83
AR1242ICC250	AR1242ICC250	02/24/2025	17:42	PP070006.D	8.89	3.83
AR1242ICC050	AR1242ICC050	02/24/2025	17:58	PP070007.D	8.89	3.83
AR1248ICC1000	AR1248ICC1000	02/24/2025	18:14	PP070008.D	8.89	3.83
AR1248ICC750	AR1248ICC750	02/24/2025	18:30	PP070009.D	8.89	3.83
AR1248ICC500	AR1248ICC500	02/24/2025	18:46	PP070010.D	8.89	3.83
AR1248ICC250	AR1248ICC250	02/24/2025	19:03	PP070011.D	8.89	3.83
AR1248ICC050	AR1248ICC050	02/24/2025	19:19	PP070012.D	8.89	3.83
AR1254ICC1000	AR1254ICC1000	02/24/2025	19:35	PP070013.D	8.89	3.83
AR1254ICC750	AR1254ICC750	02/24/2025	19:51	PP070014.D	8.89	3.83
AR1254ICC500	AR1254ICC500	02/24/2025	20:08	PP070015.D	8.89	3.83
AR1254ICC250	AR1254ICC250	02/24/2025	20:24	PP070016.D	8.89	3.83
AR1254ICC050	AR1254ICC050	02/24/2025	20:40	PP070017.D	8.89	3.83
AR1262ICC500	AR1262ICC500	02/24/2025	20:56	PP070018.D	8.89	3.83
AR1268ICC1000	AR1268ICC1000	02/24/2025	21:12	PP070019.D	8.89	3.83
AR1268ICC750	AR1268ICC750	02/24/2025	21:29	PP070020.D	8.89	3.83
AR1268ICC500	AR1268ICC500	02/24/2025	21:45	PP070021.D	8.89	3.83
AR1268ICC250	AR1268ICC250	02/24/2025	22:01	PP070022.D	8.89	3.83
AR1268ICC050	AR1268ICC050	02/24/2025	22:17	PP070023.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	09:43	PP070030.D	8.89	3.83
IBLK	IBLK	02/25/2025	10:48	PP070034.D	8.89	3.83
PB166854BL	PB166854BL	02/25/2025	12:23	PP070035.D	8.90	3.84
PB166854BS	PB166854BS	02/25/2025	12:39	PP070036.D	8.89	3.83
B-163-SB01	Q1415-01	02/25/2025	12:55	PP070037.D	8.89	3.83
B-172-SB01	Q1415-02	02/25/2025	13:11	PP070038.D	8.89	3.83
B-163-SB02	Q1415-03	02/25/2025	13:28	PP070039.D	8.89	3.83
B-172-SB02	Q1415-04	02/25/2025	13:44	PP070040.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	15:27	PP070045.D	8.89	3.83
IBLK	IBLK	02/25/2025	15:43	PP070046.D	8.89	3.83
P001-CLAY-CF01-01MS	Q1421-02MS	02/25/2025	16:16	PP070048.D	8.89	3.83
P001-CLAY-CF01-01MSD	Q1421-03MSD	02/25/2025	16:32	PP070049.D	8.89	3.83
PB166856BL	PB166856BL	02/25/2025	17:21	PP070052.D	8.89	3.83

Analytical Sequence

PB166856BS	PB166856BS	02/25/2025	17:37	PP070053.D	8.89	3.83
PB166856BSD	PB166856BSD	02/25/2025	17:53	PP070054.D	8.89	3.83
FB02222025	Q1415-05	02/25/2025	18:10	PP070055.D	8.89	3.83
B-173-GW01	Q1415-06	02/25/2025	18:26	PP070056.D	8.89	3.83
AR1660CCC500	AR1660CCC500	02/25/2025	19:04	PP070057.D	8.89	3.83
LBLK	LBLK	02/25/2025	19:20	PP070058.D	8.89	3.83

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166854BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: PB166854BS Date(s) Analyzed: 02/25/2025 02/25/2025

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 PP070036.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.683	5.633	5.733	161	164	1.21
COLUMN 1	2	5.704	5.654	5.754	170		
	3	5.767	5.717	5.817	163		
	4	5.864	5.814	5.914	166		
	5	6.158	6.108	6.208	162		
	1	4.921	4.871	4.971	164		
COLUMN 2	2	4.94	4.89	4.99	165	166	
	3	5.118	5.068	5.168	170		
	4	5.159	5.109	5.209	166		
	5	5.375	5.325	5.425	164		
Aroclor-1260	1	7.277	7.227	7.327	173	158	1.92
COLUMN 1	2	7.531	7.481	7.581	165		
	3	7.89	7.84	7.94	146		
	4	8.115	8.065	8.165	154		
	5	8.436	8.386	8.486	151		
	1	6.412	6.362	6.462	168		
COLUMN 2	2	6.6	6.55	6.65	167	155	
	3	6.755	6.705	6.805	156		
	4	7.228	7.178	7.278	141		
	5	7.469	7.419	7.519	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-CLAY-CF01-01MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: Q1421-02MS Date(s) Analyzed: 02/25/2025 02/25/2025

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 PP070048.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.68	5.63	5.73	242	243	1.23
COLUMN 1	2	5.702	5.652	5.752	250		
	3	5.764	5.714	5.814	241		
	4	5.861	5.811	5.911	246		
	5	6.155	6.105	6.205	236		
COLUMN 2	1	4.921	4.871	4.971	246	246	
	2	4.94	4.89	4.99	244		
	3	5.117	5.067	5.167	252		
	4	5.158	5.108	5.208	246		
	5	5.374	5.324	5.424	243		
Aroclor-1260	1	7.274	7.224	7.324	249	220	1.8
COLUMN 1	2	7.528	7.478	7.578	224		
	3	7.887	7.837	7.937	202		
	4	8.111	8.061	8.161	218		
	5	8.432	8.382	8.482	209		
COLUMN 2	1	6.412	6.362	6.462	240	224	
	2	6.6	6.55	6.65	239		
	3	6.754	6.704	6.804	229		
	4	7.227	7.177	7.277	205		
	5	7.468	7.418	7.518	207		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

P001-CLAY-CF01-01MSI

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: Q1421-03MSD Date(s) Analyzed: 02/25/2025 02/25/2025

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 PP070049.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.681	5.631	5.731	250	249	3.68
COLUMN 1	2	5.703	5.653	5.753	253		
	3	5.765	5.715	5.815	247		
	4	5.862	5.812	5.912	256		
	5	6.155	6.105	6.205	238		
	1	4.922	4.872	4.972	238		
COLUMN 2	2	4.941	4.891	4.991	240	240	
	3	5.118	5.068	5.168	245		
	4	5.159	5.109	5.209	240		
	5	5.375	5.325	5.425	237		
Aroclor-1260	1	7.274	7.224	7.324	250	221	2.24
COLUMN 1	2	7.529	7.479	7.579	226		
	3	7.888	7.838	7.938	202		
	4	8.111	8.061	8.161	214		
	5	8.434	8.384	8.484	211		
	1	6.413	6.363	6.463	239		
COLUMN 2	2	6.601	6.551	6.651	242	226	
	3	6.755	6.705	6.805	225		
	4	7.228	7.178	7.278	203		
	5	7.468	7.418	7.518	220		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166856BS

Contract: PORT06

Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG NO.: Q1415

Lab Sample ID: PB166856BS Date(s) Analyzed: 02/25/2025 02/25/2025

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 PP070053.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.681	5.631	5.731	4.89	4.90	0
COLUMN 1	2	5.703	5.653	5.753	5.03		
	3	5.765	5.715	5.815	4.93		
	4	5.862	5.812	5.912	4.98		
	5	6.156	6.106	6.206	4.86		
	1	4.921	4.871	4.971	4.81		
COLUMN 2	2	4.94	4.89	4.99	4.79	4.90	
	3	5.117	5.067	5.167	5.02		
	4	5.159	5.109	5.209	4.88		
	5	5.374	5.324	5.424	4.78		
Aroclor-1260	1	7.275	7.225	7.325	4.95	4.60	0
COLUMN 1	2	7.529	7.479	7.579	4.82		
	3	7.888	7.838	7.938	4.22		
	4	8.113	8.063	8.163	4.47		
	5	8.434	8.384	8.484	4.43		
	1	6.412	6.362	6.462	4.93		
COLUMN 2	2	6.6	6.55	6.65	4.91	4.60	
	3	6.754	6.704	6.804	4.67		
	4	7.227	7.177	7.277	4.25		
	5	7.468	7.418	7.518	4.38		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB166856BSD

Contract: PORT06

Lab Code: CHEM

Case No.: Q1415

SAS No.: Q1415

SDG NO.: Q1415

Lab Sample ID: PB166856BSD

Date(s) Analyzed: 02/25/2025

02/25/2025

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 PP070054.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.678	5.628	5.728	4.95	4.90	2.02
COLUMN 1	2	5.7	5.65	5.75	5.04		
	3	5.762	5.712	5.812	4.97		
	4	5.86	5.81	5.91	5.01		
	5	6.153	6.103	6.203	4.79		
	1	4.922	4.872	4.972	4.96		
COLUMN 2	2	4.941	4.891	4.991	4.94	5.00	
	3	5.118	5.068	5.168	5.09		
	4	5.159	5.109	5.209	4.95		
	5	5.375	5.325	5.425	4.91		
Aroclor-1260	1	7.273	7.223	7.323	5.30	4.70	2.15
COLUMN 1	2	7.526	7.476	7.576	4.89		
	3	7.885	7.835	7.935	4.42		
	4	8.109	8.059	8.159	4.57		
	5	8.43	8.38	8.48	4.45		
	1	6.413	6.363	6.463	4.97		
COLUMN 2	2	6.601	6.551	6.651	4.88	4.60	
	3	6.755	6.705	6.805	4.63		
	4	7.227	7.177	7.277	4.13		
	5	7.468	7.418	7.518	4.29		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070037.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 12:55
 Operator : YP\AJ
 Sample : Q1415-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-163-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:50:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.831	35729824	23848173	24.345	24.945
2) SA Decachlor...	10.260	8.889	24165308	24359431	21.216	22.470

Target Compounds

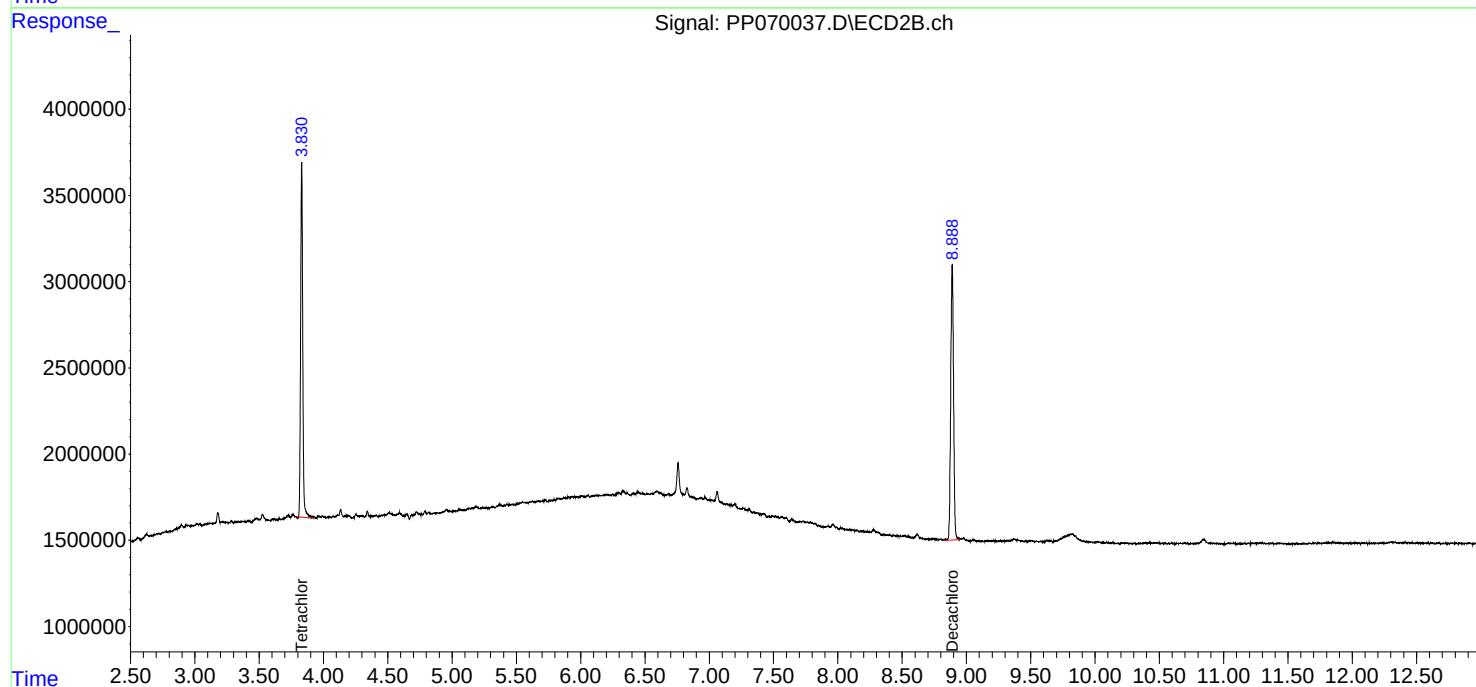
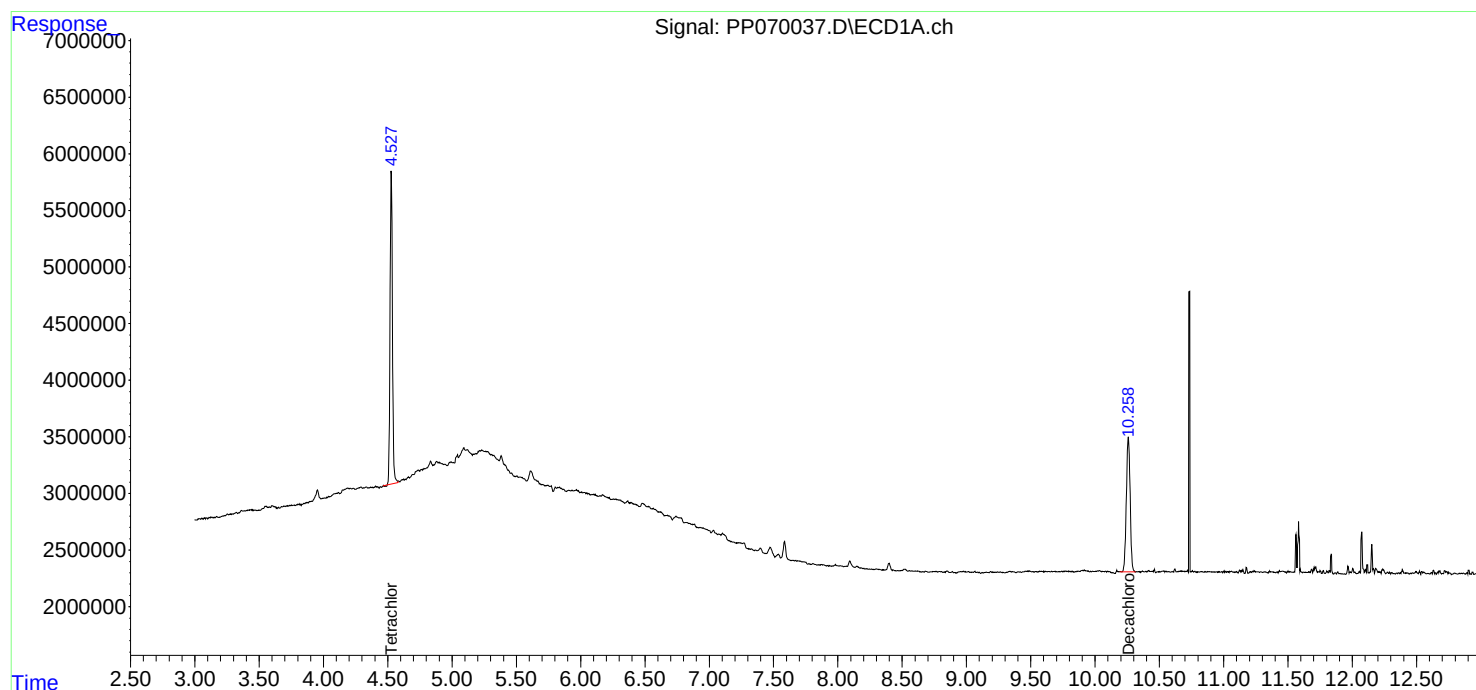
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

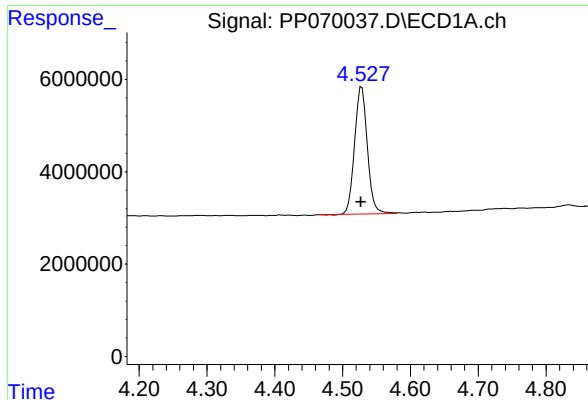
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070037.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:55
Operator : YP\AJ
Sample : Q1415-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-163-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:50:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

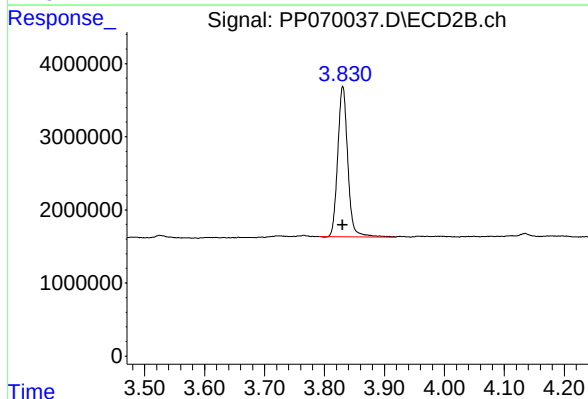




#1 Tetrachloro-m-xylene

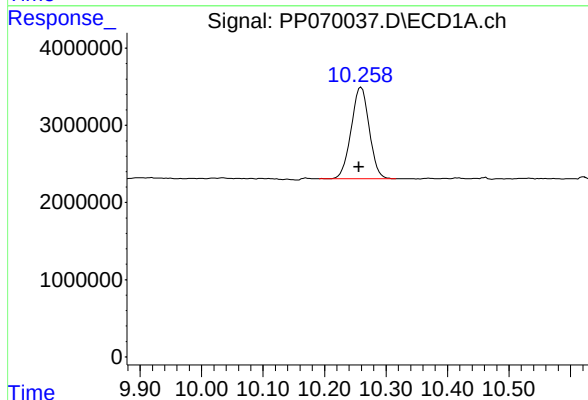
R.T.: 4.528 min
Delta R.T.: 0.001 min
Response: 35729824
Conc: 24.35 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-163-SB01



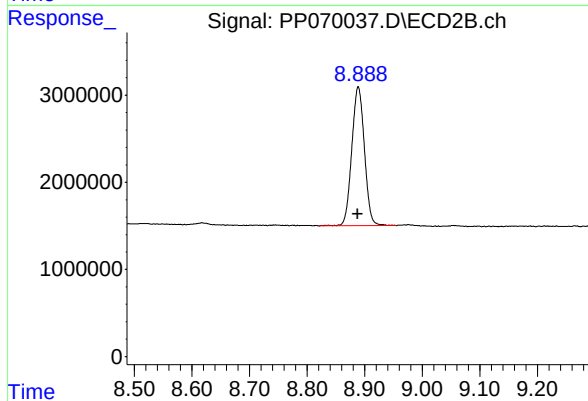
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.000 min
Response: 23848173
Conc: 24.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.260 min
Delta R.T.: 0.004 min
Response: 24165308
Conc: 21.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 24359431
Conc: 22.47 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 13:11
 Operator : YP\AJ
 Sample : Q1415-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-172-SB01

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:51:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.524	3.830	38962776	25564378	26.548	26.740
2) SA Decachlor...	10.255	8.888	26208857	26041840	23.010	24.022

Target Compounds

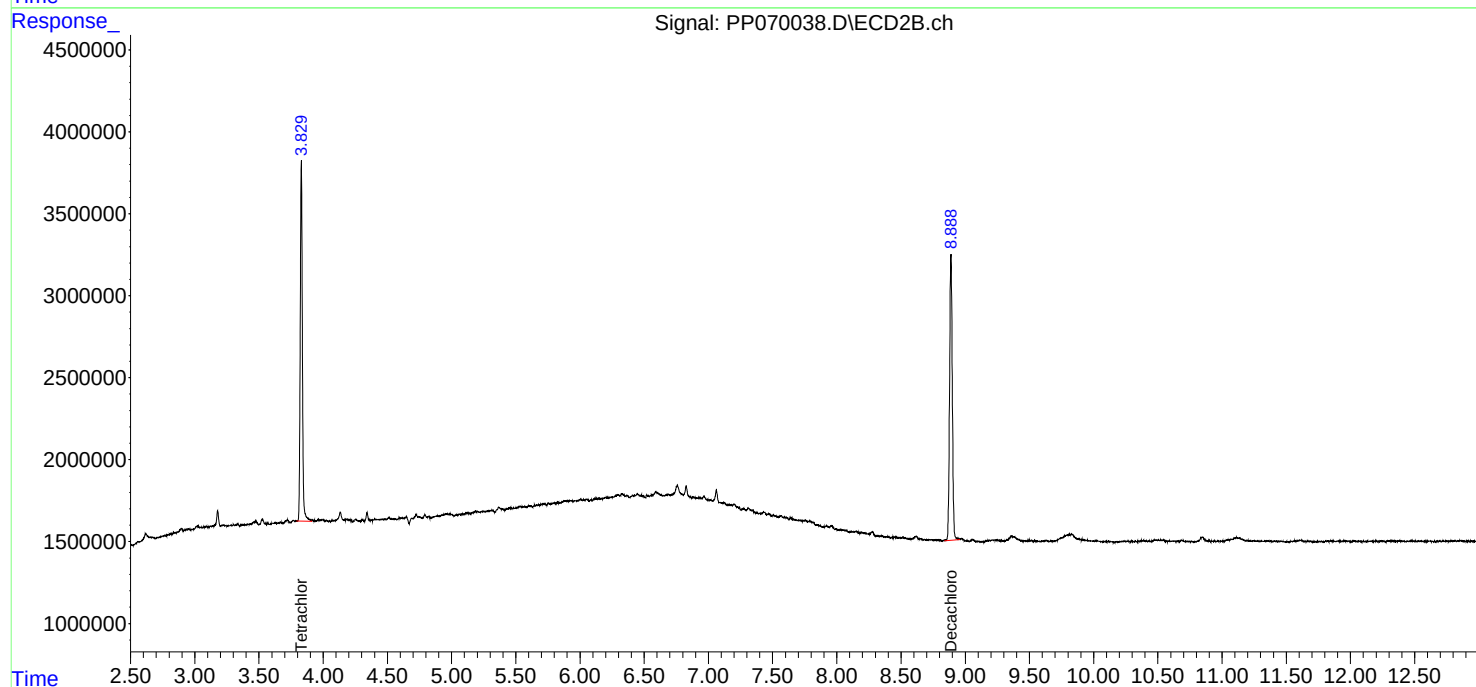
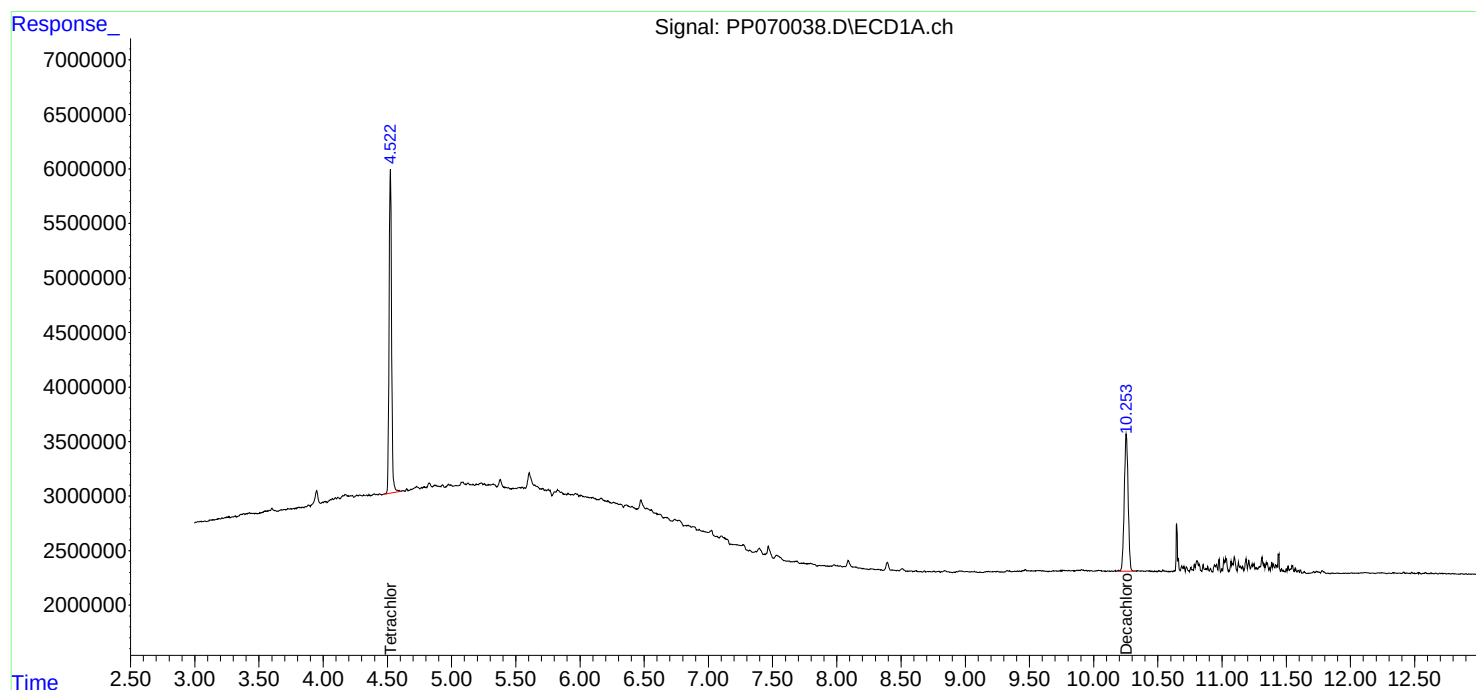
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

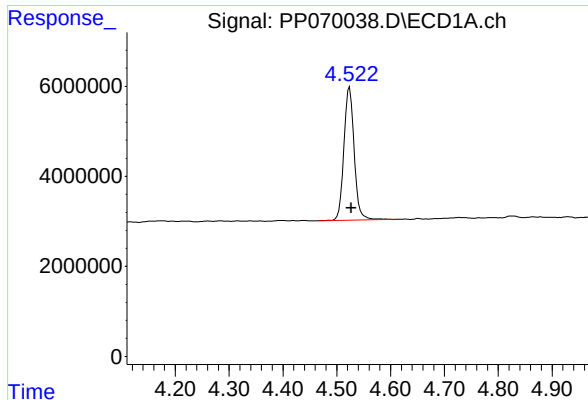
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:11
Operator : YP\AJ
Sample : Q1415-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-172-SB01

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:51:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

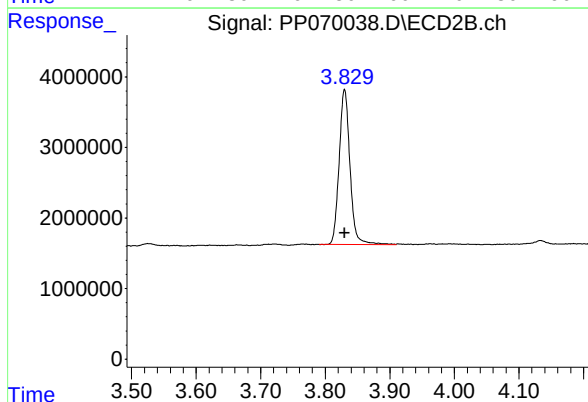




#1 Tetrachloro-m-xylene

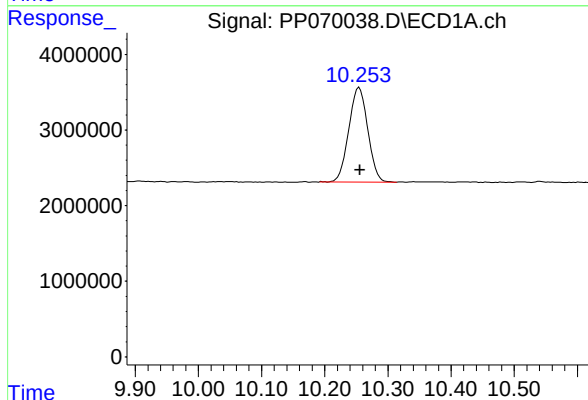
R.T.: 4.524 min
Delta R.T.: -0.003 min
Response: 38962776
Conc: 26.55 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-172-SB01



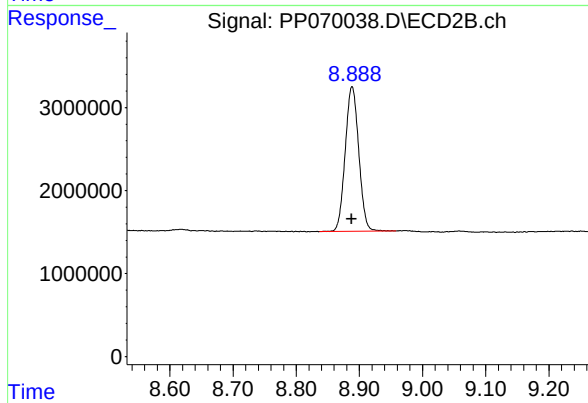
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 25564378
Conc: 26.74 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: -0.001 min
Response: 26208857
Conc: 23.01 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 26041840
Conc: 24.02 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 13:28
 Operator : YP\AJ
 Sample : Q1415-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-163-SB02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:52:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.830	35035987	23515727	23.873	24.597
2) SA Decachlor...	10.258	8.889	20467570	19007003	17.969m	17.532

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:28
Operator : YP\AJ
Sample : Q1415-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-163-SB02

Manual Integrations

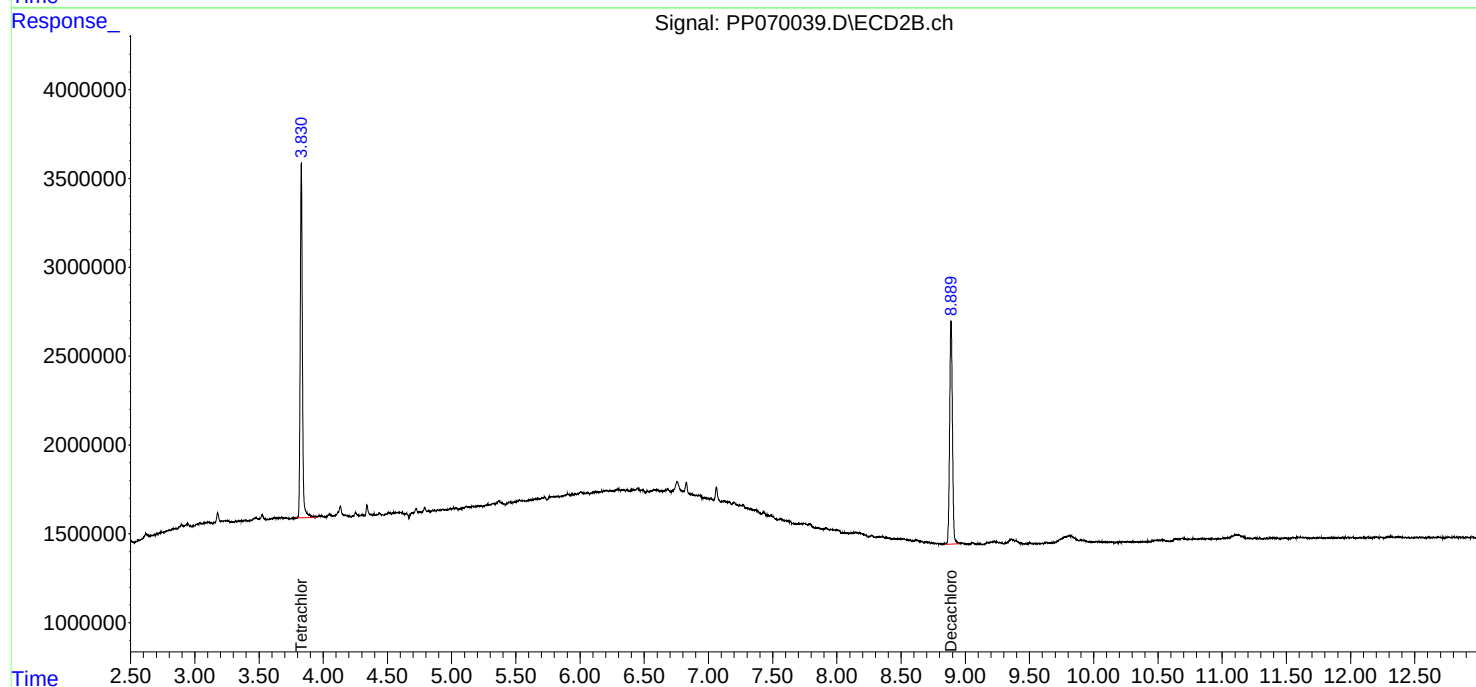
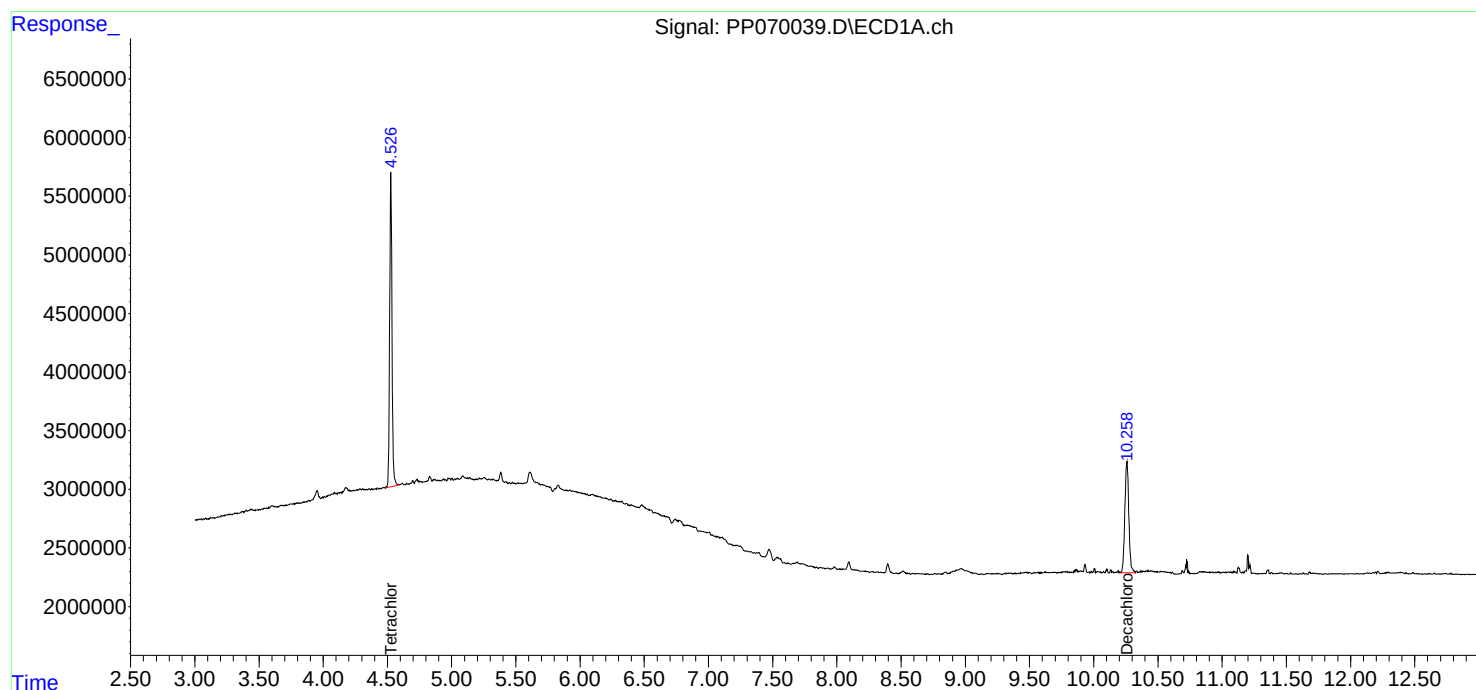
APPROVED

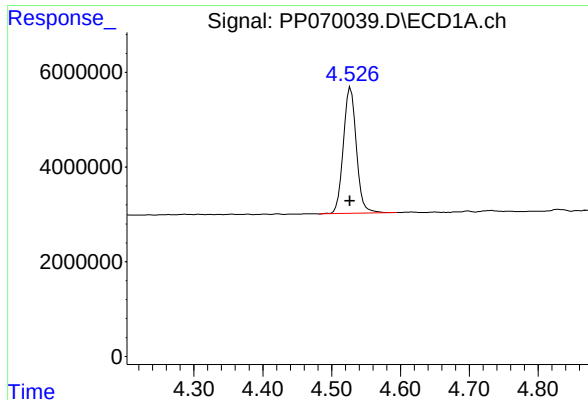
Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:52:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





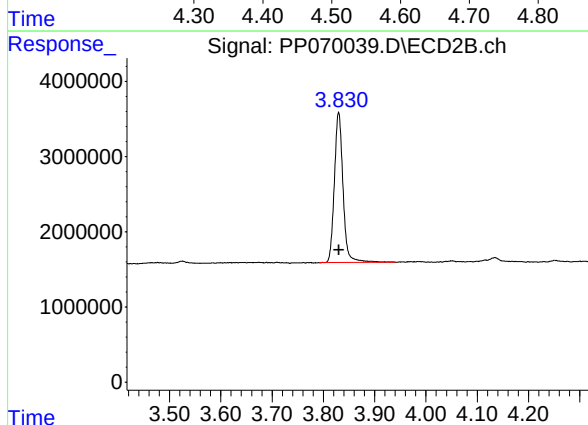
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 35035987
Conc: 23.87 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-163-SB02

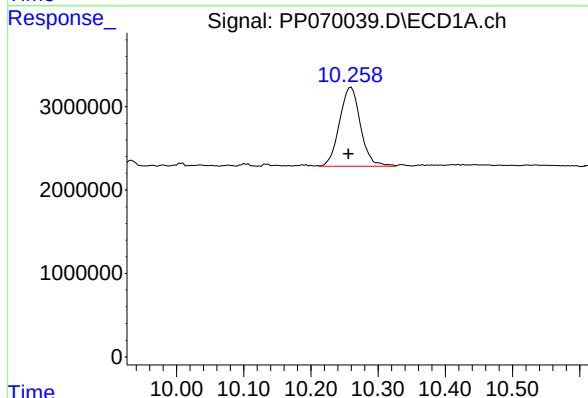
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



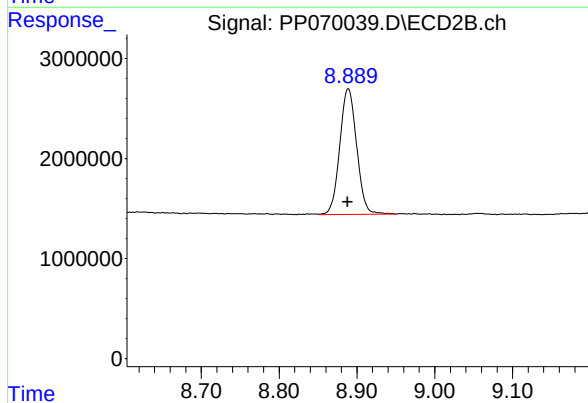
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 23515727
Conc: 24.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.258 min
Delta R.T.: 0.002 min
Response: 20467570
Conc: 17.97 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.001 min
Response: 19007003
Conc: 17.53 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 13:44
 Operator : YP\AJ
 Sample : Q1415-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-172-SB02

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:53:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.830	37679784	24769299	25.674	25.908
2) SA Decachlor...	10.256	8.889	27067998	23089432	23.764m	21.298

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 13:44
Operator : YP\AJ
Sample : Q1415-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-172-SB02

Manual Integrations

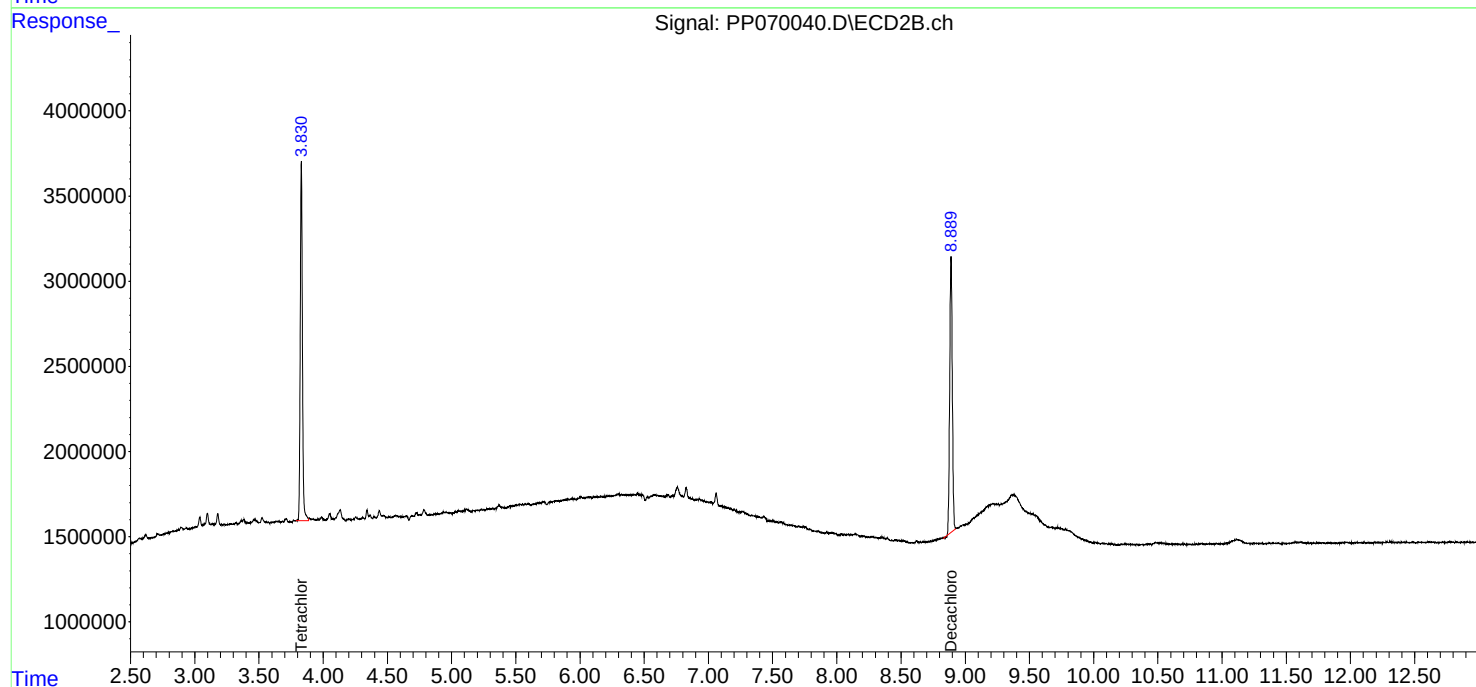
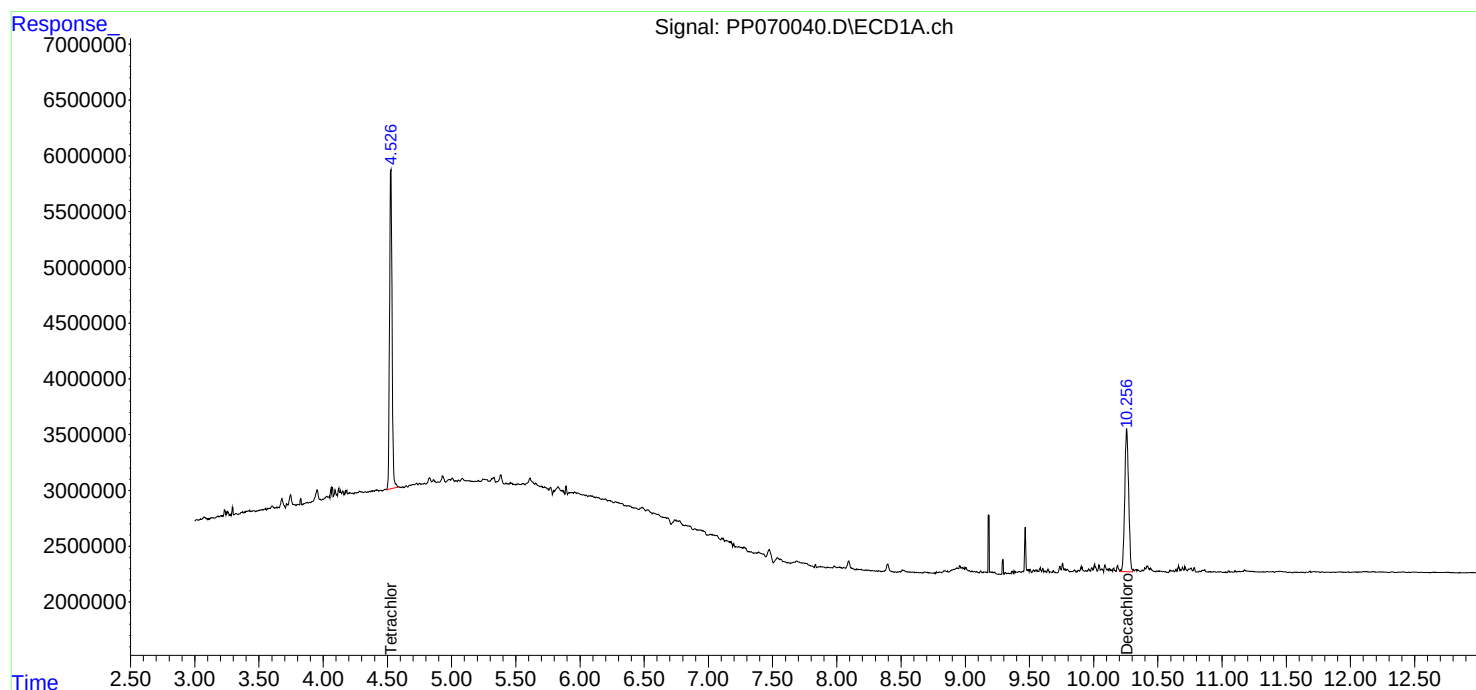
APPROVED

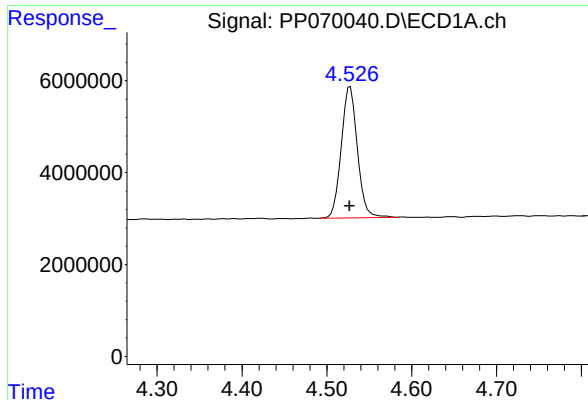
Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:53:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





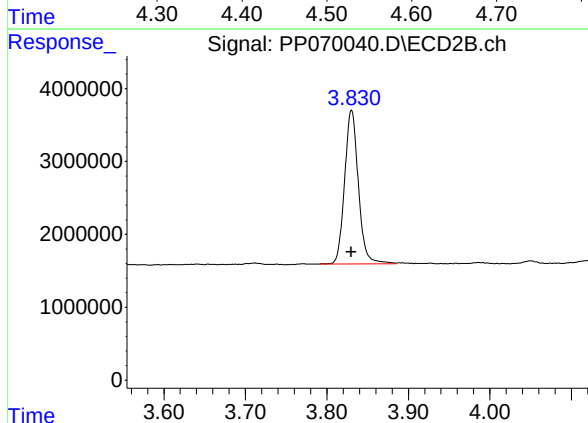
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 37679784
Conc: 25.67 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-172-SB02

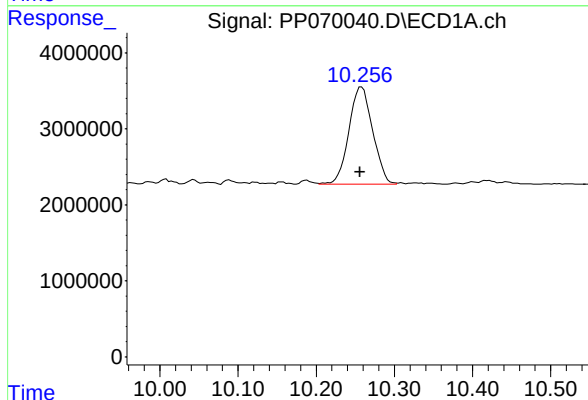
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



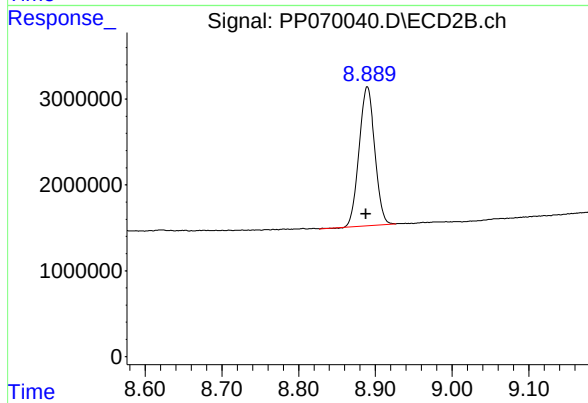
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 24769299
Conc: 25.91 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.256 min
Delta R.T.: 0.000 min
Response: 27067998
Conc: 23.76 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.001 min
Response: 23089432
Conc: 21.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070055.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 18:10
 Operator : YP\AJ
 Sample : Q1415-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 FB02222025

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:01:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.831	30177739	18686755	20.562	19.546m
2) SA Decachlor...	10.257	8.888	18435574	16929392	16.185	15.616

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 18:10
Operator : YP\AJ
Sample : Q1415-05
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

FB02222025

Manual Integrations

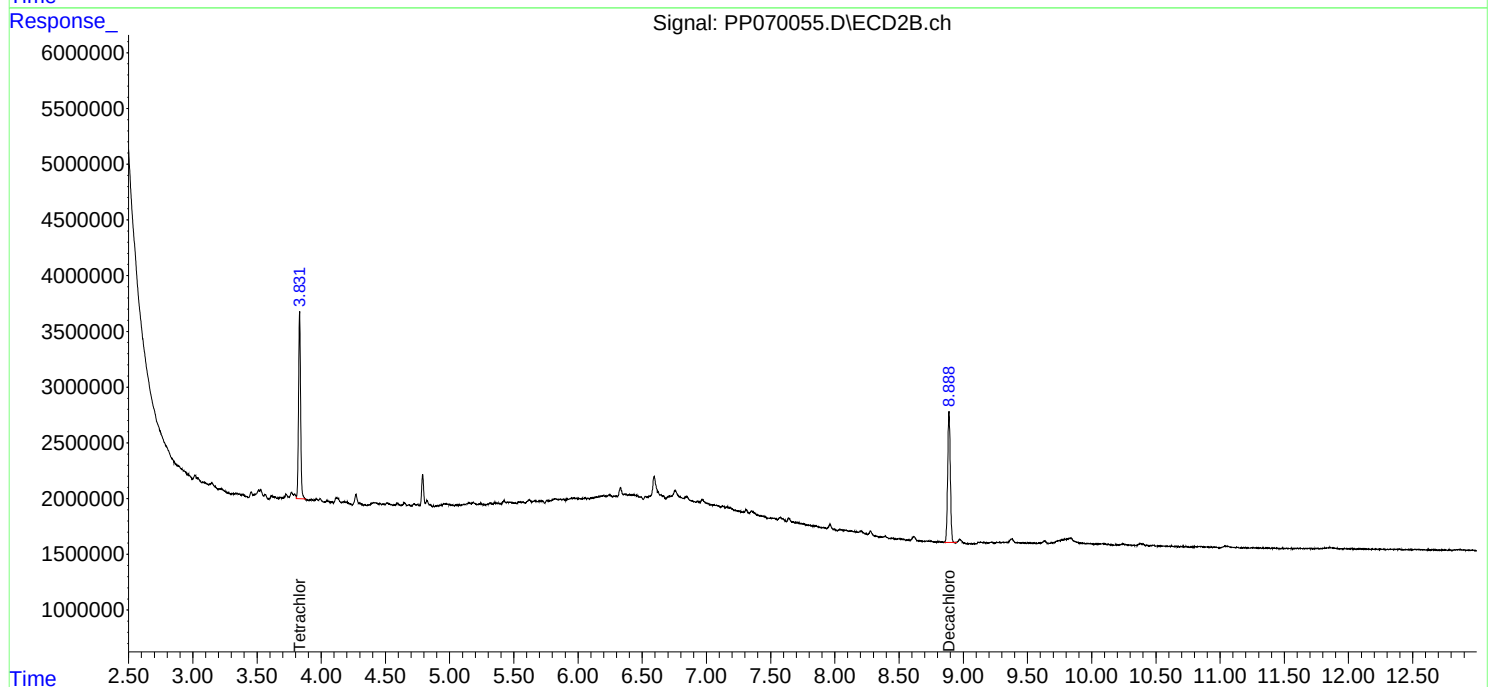
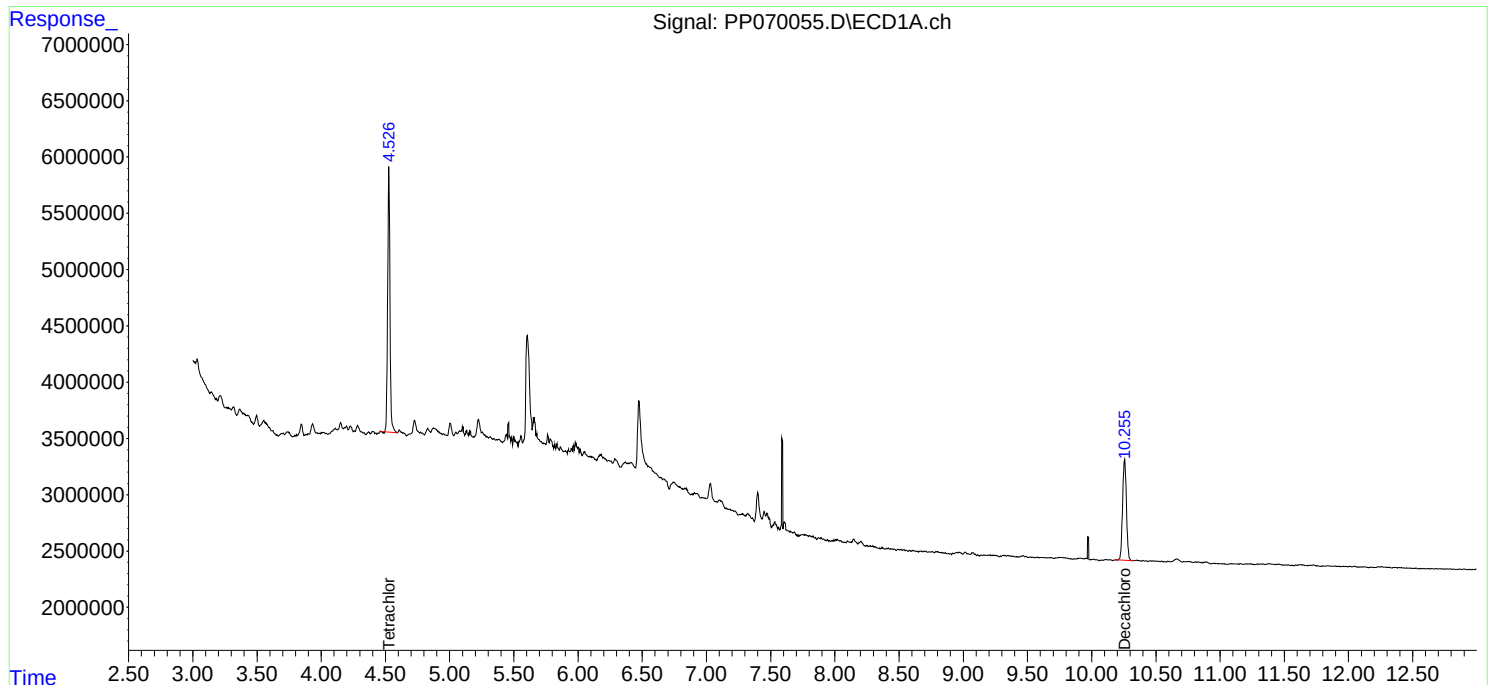
APPROVED

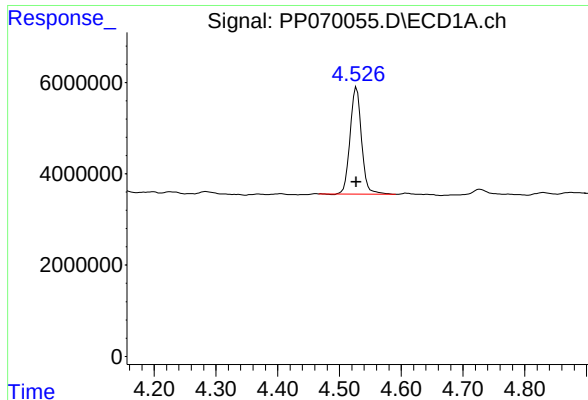
Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:01:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





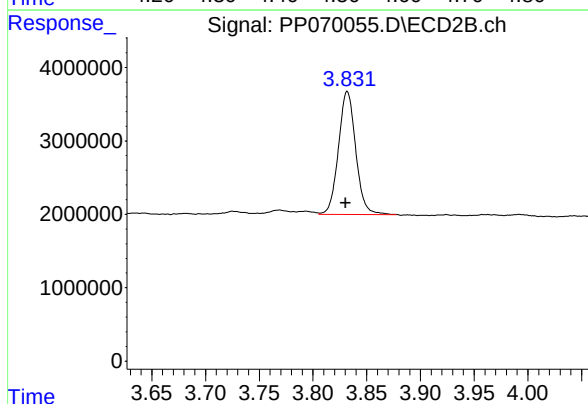
#1 Tetrachloro-m-xylene

R.T.: 4.528 min
Delta R.T.: 0.000 min
Response: 30177739
Conc: 20.56 ng/ml

Instrument :
ECD_P
ClientSampleId :
FB02222025

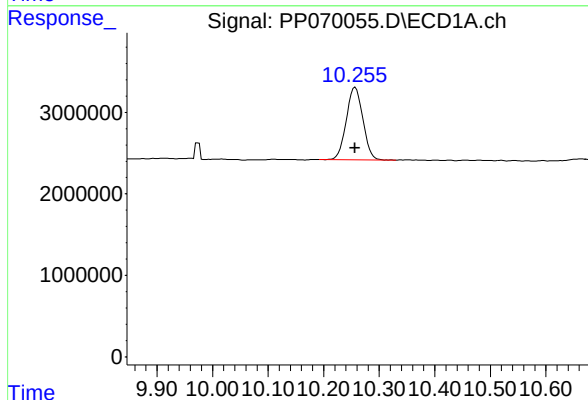
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



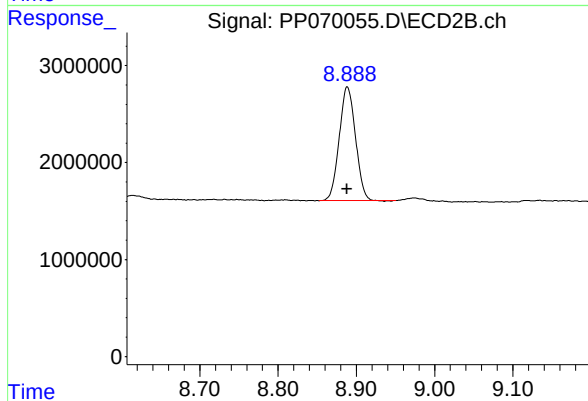
#1 Tetrachloro-m-xylene

R.T.: 3.831 min
Delta R.T.: 0.001 min
Response: 18686755
Conc: 19.55 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.257 min
Delta R.T.: 0.000 min
Response: 18435574
Conc: 16.19 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 16929392
Conc: 15.62 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070056.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 18:26
 Operator : YP\AJ
 Sample : Q1415-06
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-173-GW01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:02:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.525	3.830	35076419	22457499	23.900m	23.490m
2) SA Decachlor...	10.255	8.888	17970772	19016497	15.777	17.541

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 18:26
Operator : YP\AJ
Sample : Q1415-06
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-173-GW01

Manual Integrations

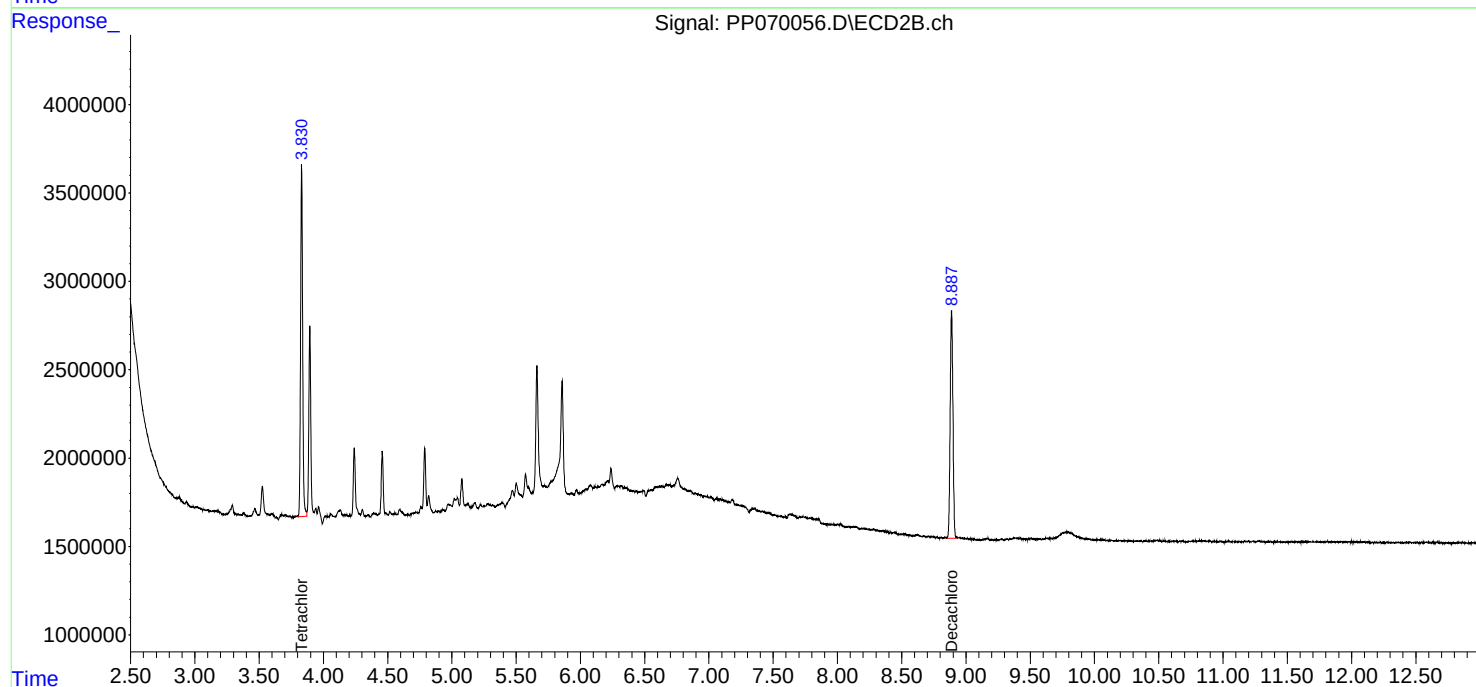
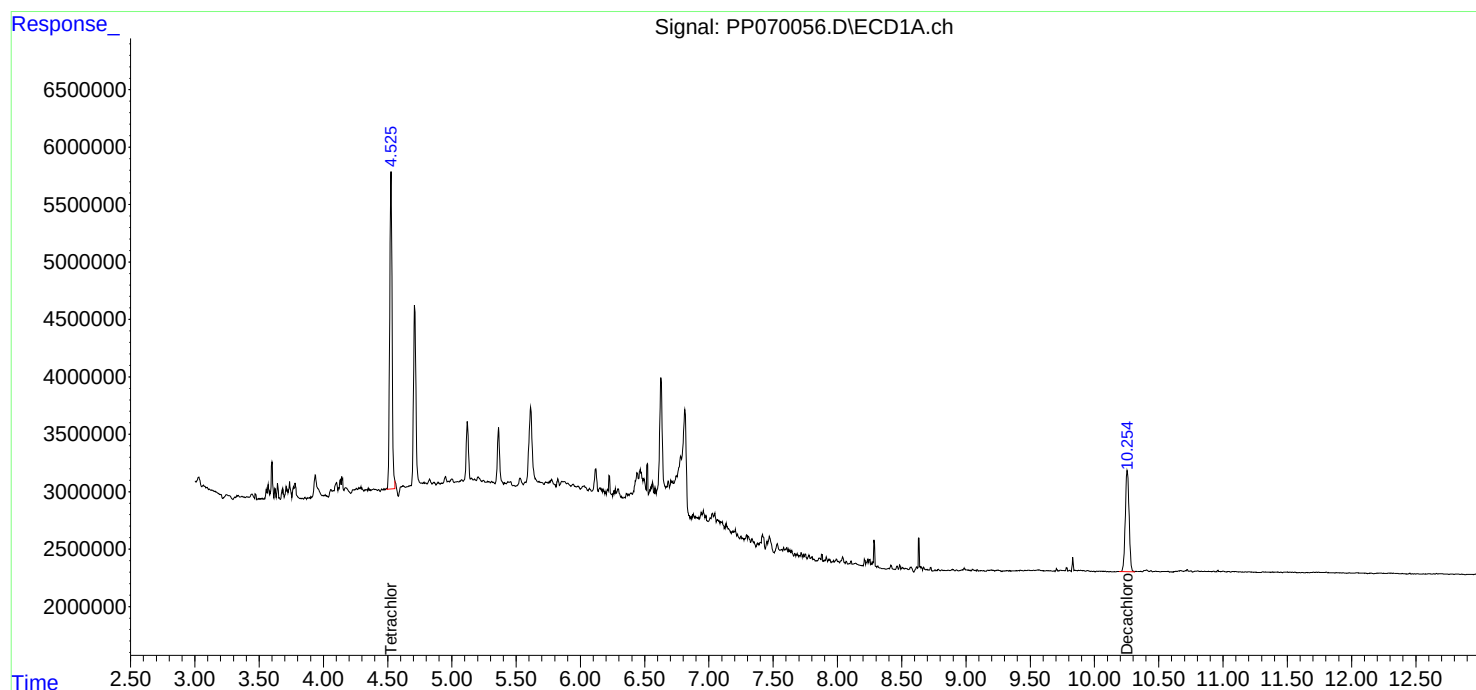
APPROVED

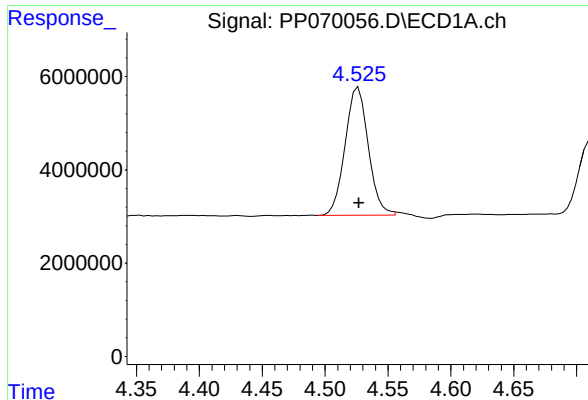
Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:02:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm





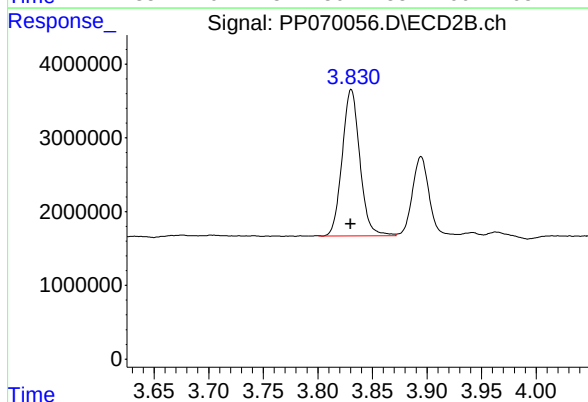
#1 Tetrachloro-m-xylene

R.T.: 4.525 min
Delta R.T.: -0.002 min
Response: 35076419
Conc: 23.90 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-173-GW01

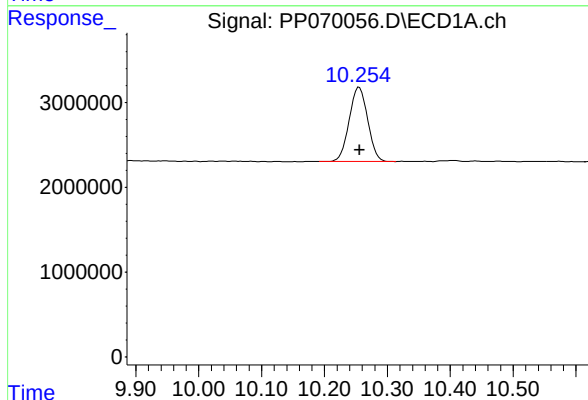
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025



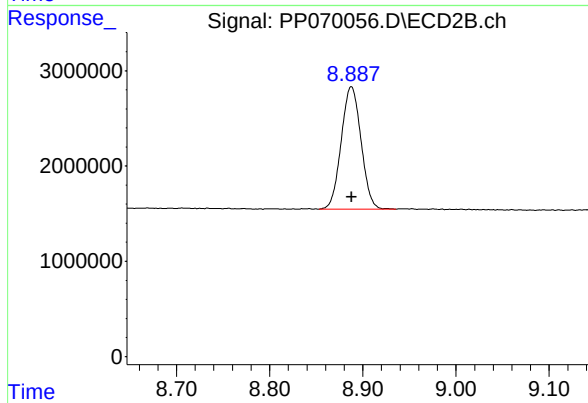
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 22457499
Conc: 23.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 17970772
Conc: 15.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.888 min
Delta R.T.: 0.000 min
Response: 19016497
Conc: 17.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070035.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 12:23
 Operator : YP\AJ
 Sample : PB166854BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB166854BL

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: Feb 26 03:49:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.540	3.835	35068513	23032905	23.895	24.092
2) SA Decachlor...	10.280	8.900	27689252	25046473	24.309	23.103

Target Compounds

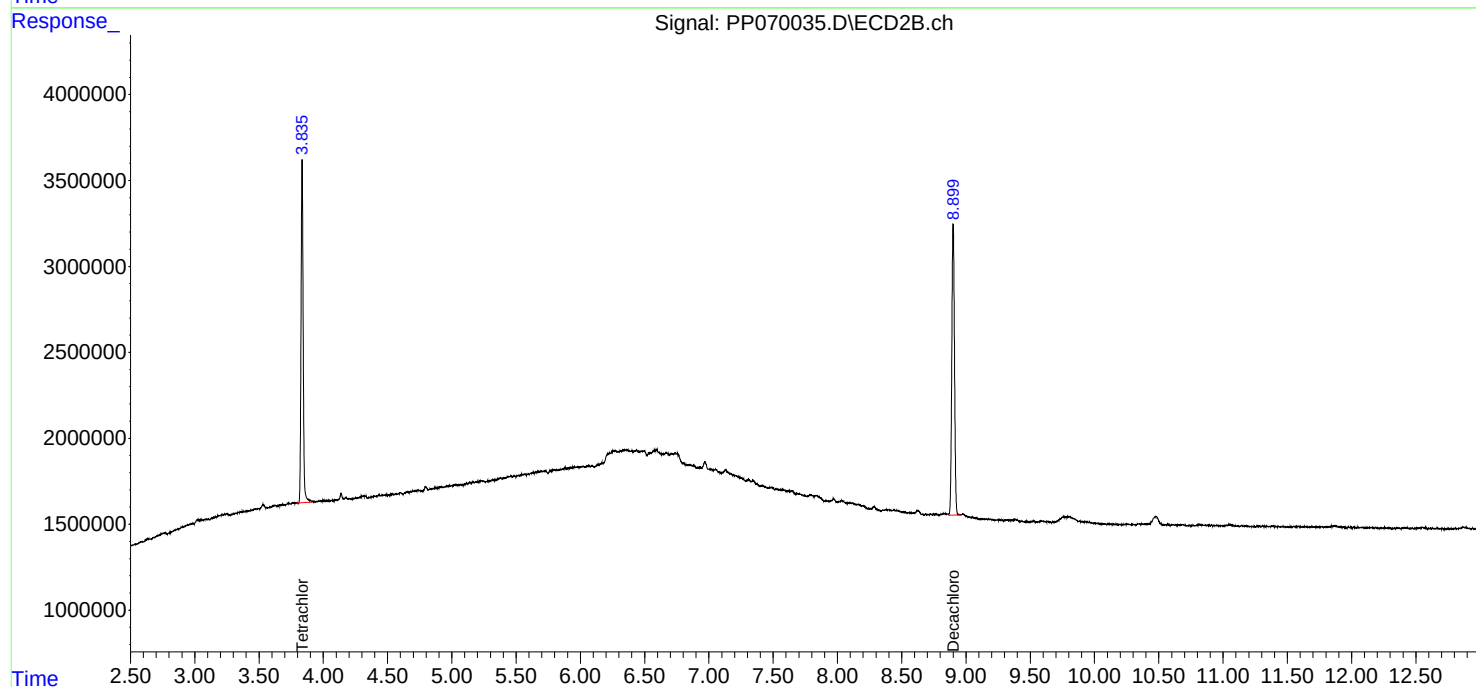
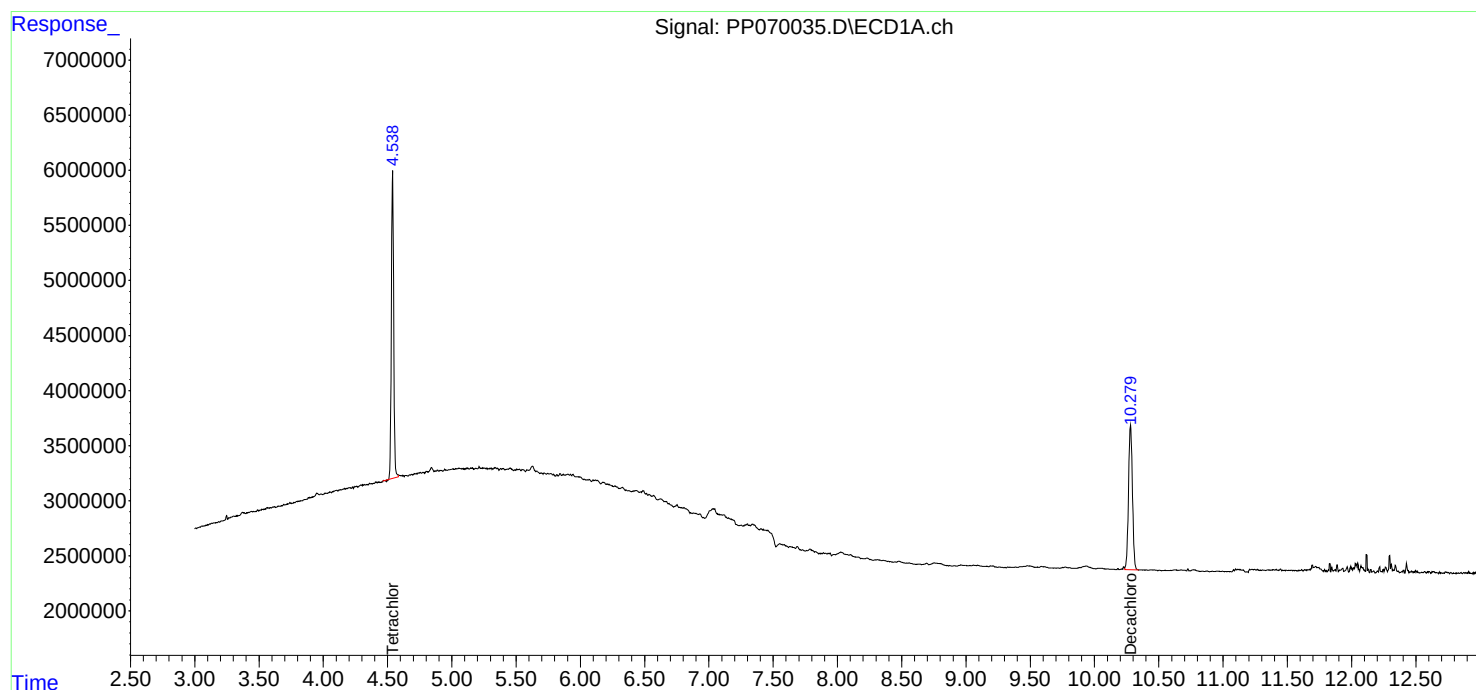
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

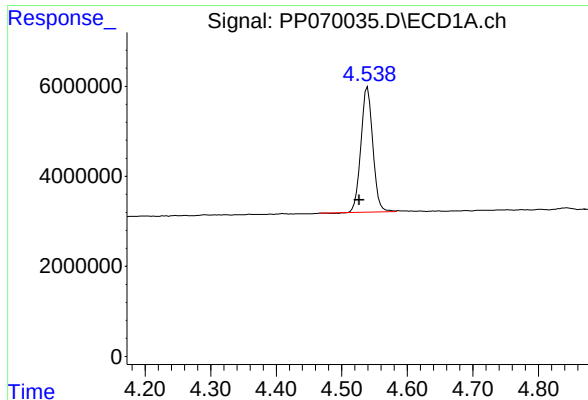
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070035.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:23
Operator : YP\AJ
Sample : PB166854BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166854BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:49:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

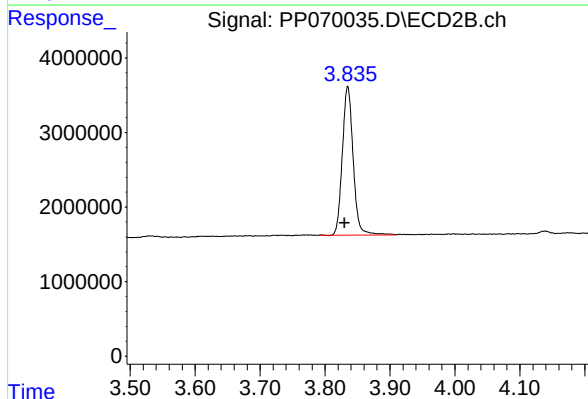




#1 Tetrachloro-m-xylene

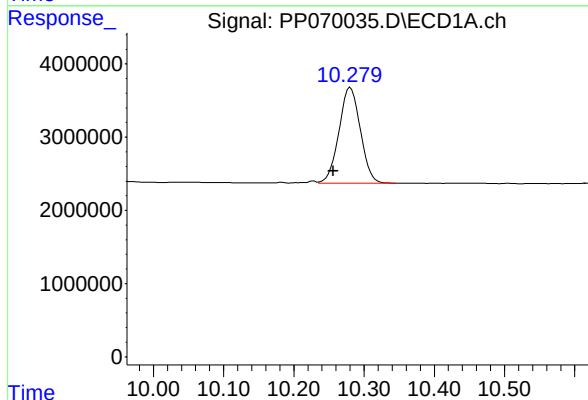
R.T.: 4.540 min
Delta R.T.: 0.013 min
Response: 35068513
Conc: 23.89 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166854BL



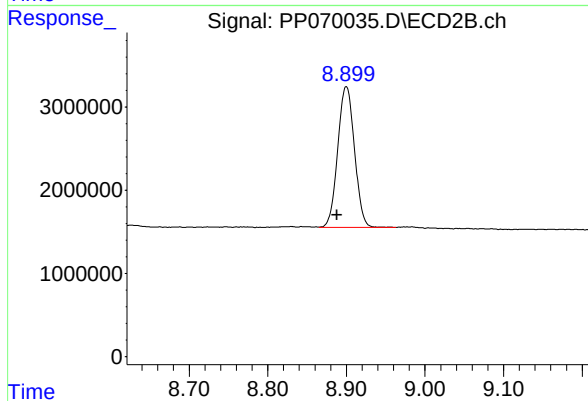
#1 Tetrachloro-m-xylene

R.T.: 3.835 min
Delta R.T.: 0.005 min
Response: 23032905
Conc: 24.09 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.280 min
Delta R.T.: 0.024 min
Response: 27689252
Conc: 24.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.900 min
Delta R.T.: 0.012 min
Response: 25046473
Conc: 23.10 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070052.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 17:21
 Operator : YP\AJ
 Sample : PB166856BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB166856BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:00:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.526	3.830	36392036	23178304	24.797	24.244
2) SA Decachlor...	10.255	8.889	27565132	27692606	24.200	25.544

Target Compounds

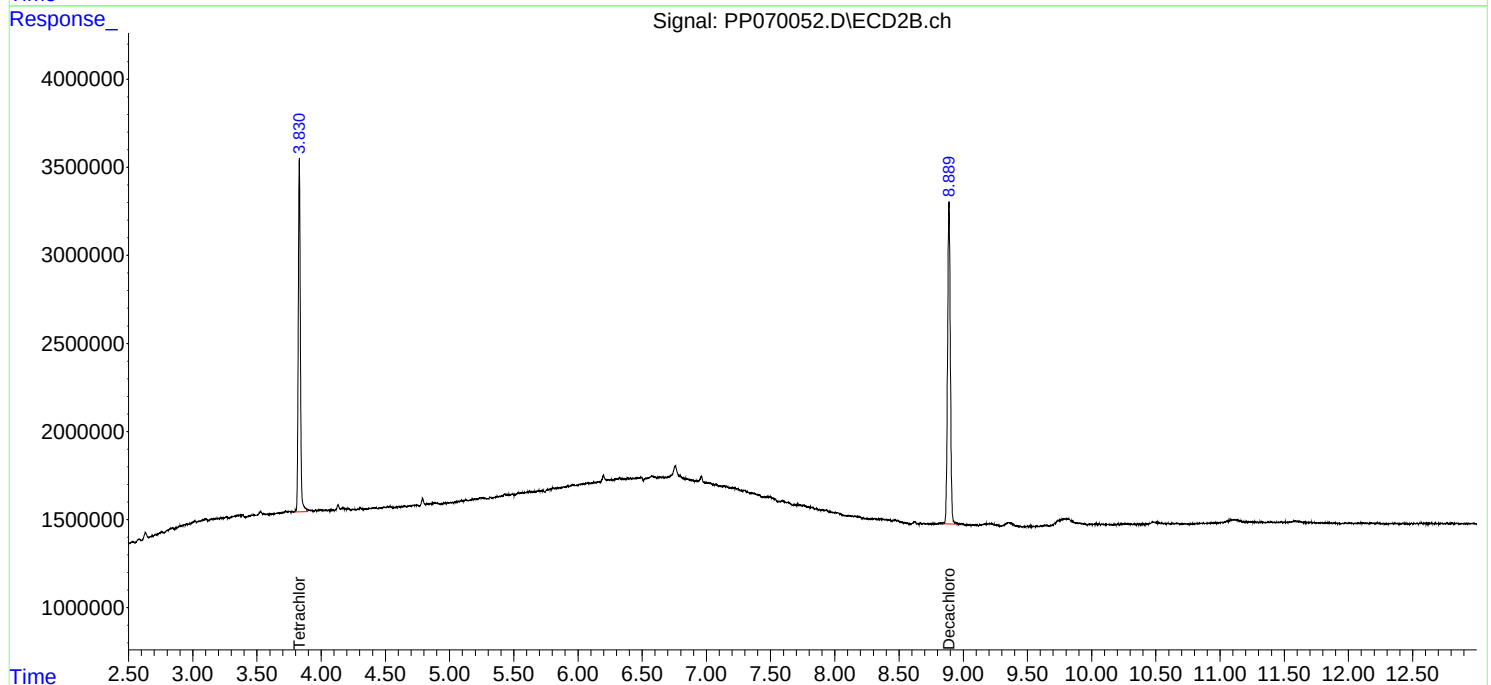
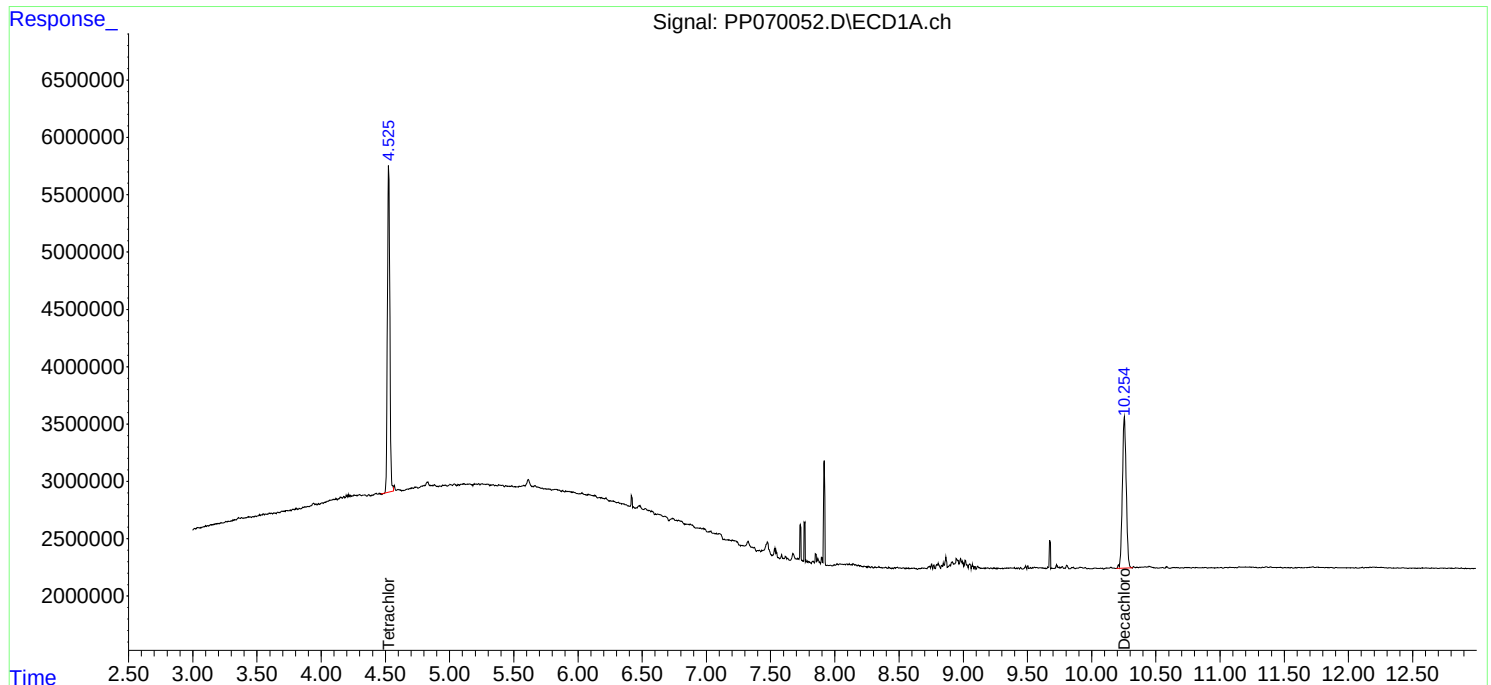
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

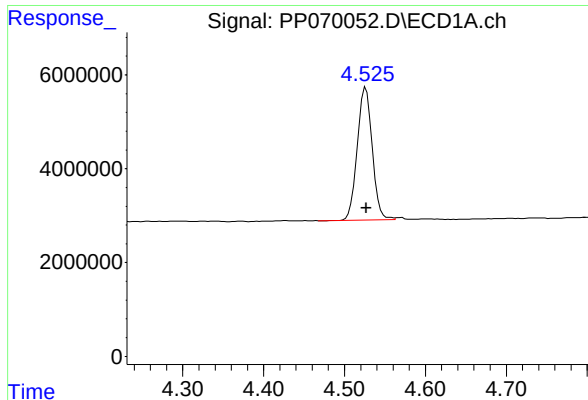
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 17:21
Operator : YP\AJ
Sample : PB166856BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166856BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:00:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm

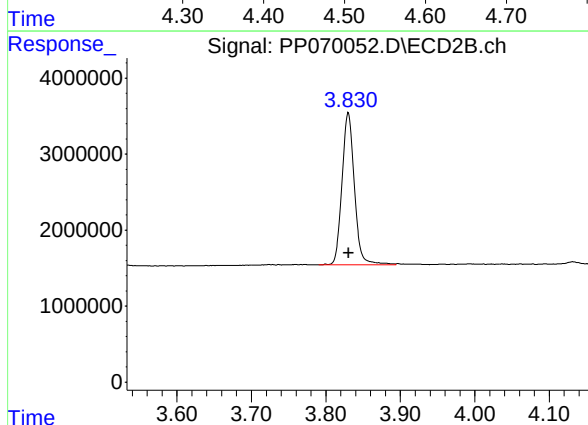




#1 Tetrachloro-m-xylene

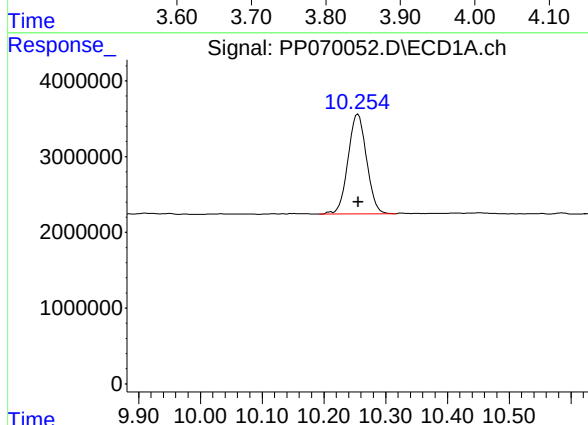
R.T.: 4.526 min
Delta R.T.: 0.000 min
Response: 36392036
Conc: 24.80 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB166856BL



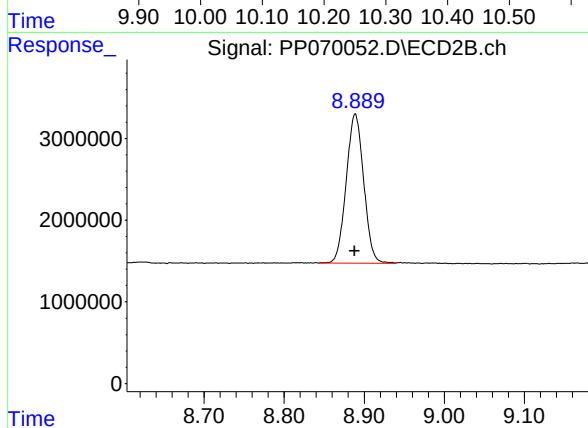
#1 Tetrachloro-m-xylene

R.T.: 3.830 min
Delta R.T.: 0.000 min
Response: 23178304
Conc: 24.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.255 min
Delta R.T.: 0.000 min
Response: 27565132
Conc: 24.20 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.889 min
Delta R.T.: 0.000 min
Response: 27692606
Conc: 25.54 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070036.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 12:39
 Operator : YP\AJ
 Sample : PB166854BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB166854BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:50:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.529	3.831	38142129	23821205	25.989	24.917
2) SA Decachlor...	10.262	8.891	28990685	26736363	25.452	24.662
Target Compounds						
3) L1 AR-1016-1	5.683	4.921	24118849	16468308	484.060	493.084
4) L1 AR-1016-2	5.704	4.940	36047503	23037554	509.304	494.429
5) L1 AR-1016-3	5.767	5.118	21438073	12776723	488.089	510.407
6) L1 AR-1016-4	5.864	5.159	18080055	9974516	498.604	496.969
7) L1 AR-1016-5	6.158	5.375	16287586	12773347	485.638	492.295
31) L7 AR-1260-1	7.277	6.412	30327386	24992641	519.661	504.502
32) L7 AR-1260-2	7.531	6.600	40507759	32784692	495.658	501.141
33) L7 AR-1260-3	7.890	6.755	27499489	28186556	438.162	467.268
34) L7 AR-1260-4	8.115	7.228	29219134	20656143	460.862	422.698
35) L7 AR-1260-5	8.436	7.469	59376812	51850329	452.620	435.078

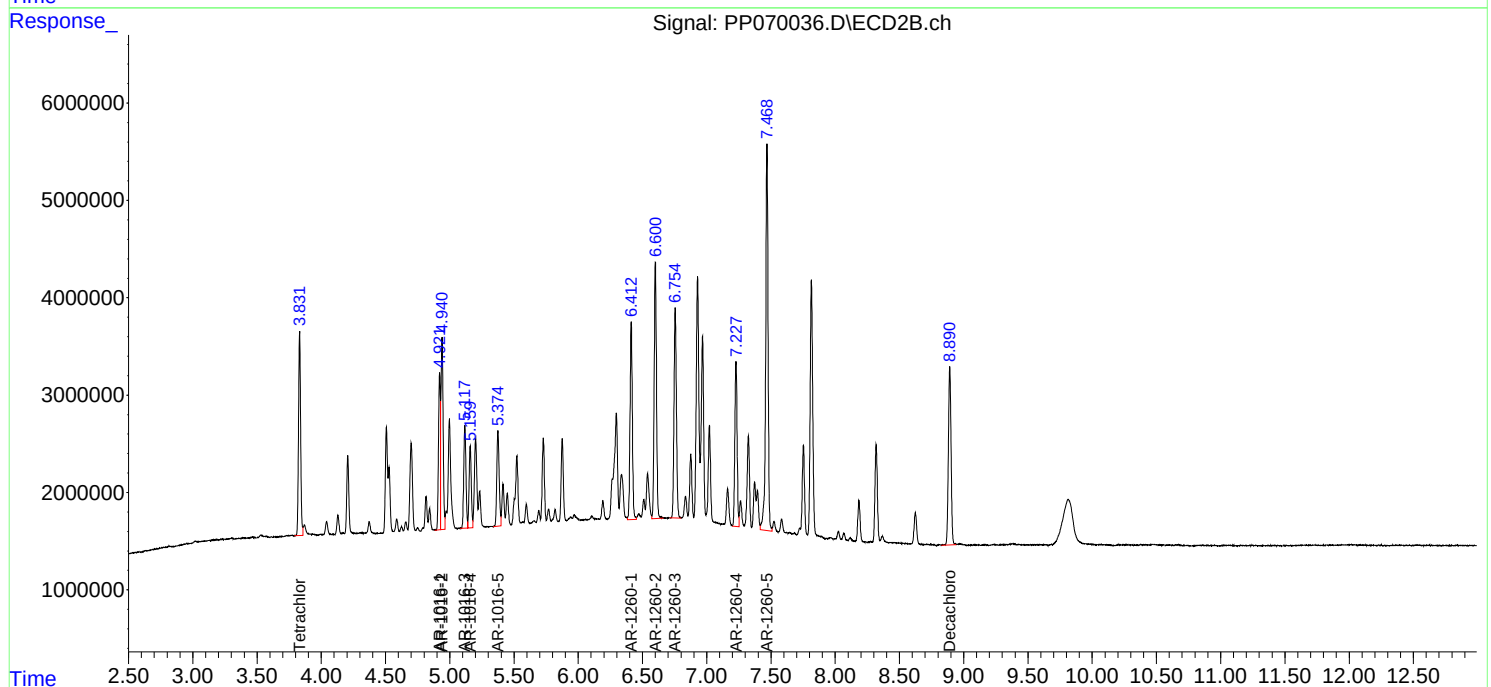
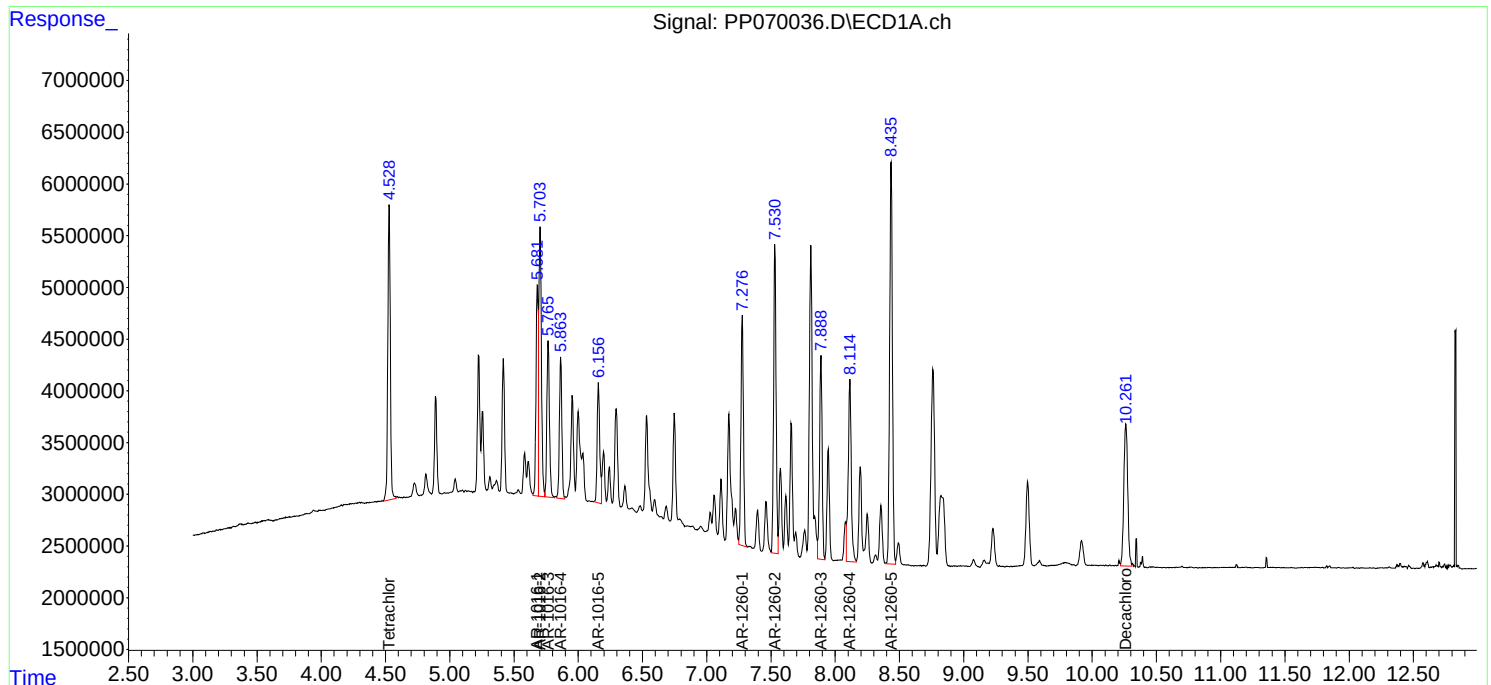
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070036.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 12:39
Operator : YP\AJ
Sample : PB166854BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166854BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:50:22 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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\PP022525\
 Data File : PP070053.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 17:37
 Operator : YP\AJ
 Sample : PB166856BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB166856BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:00:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.831	36531774	22436816	24.892	23.469m
2) SA Decachlor...	10.258	8.889	27108778	25645228	23.800	23.656
Target Compounds						
3) L1 AR-1016-1	5.681	4.921	24349444	16073921	488.688	481.276
4) L1 AR-1016-2	5.703	4.940	35606085	22331019	503.067	479.266
5) L1 AR-1016-3	5.765	5.117	21638461	12554782	492.652	501.541
6) L1 AR-1016-4	5.862	5.159	18061418	9799789	498.090	488.264
7) L1 AR-1016-5	6.156	5.374	16311098	12408877	486.339	478.248
31) L7 AR-1260-1	7.275	6.412	28876368	24424563	494.797	493.034
32) L7 AR-1260-2	7.529	6.600	39373230	32118638	481.775	490.960
33) L7 AR-1260-3	7.888	6.754	26466901	28177129	421.709	467.111
34) L7 AR-1260-4	8.113	7.227	28310061	20778443	446.524	425.201
35) L7 AR-1260-5	8.434	7.468	58155960	52221774	443.314	438.195

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070053.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 17:37
Operator : YP\AJ
Sample : PB166856BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB166856BS

Manual Integrations

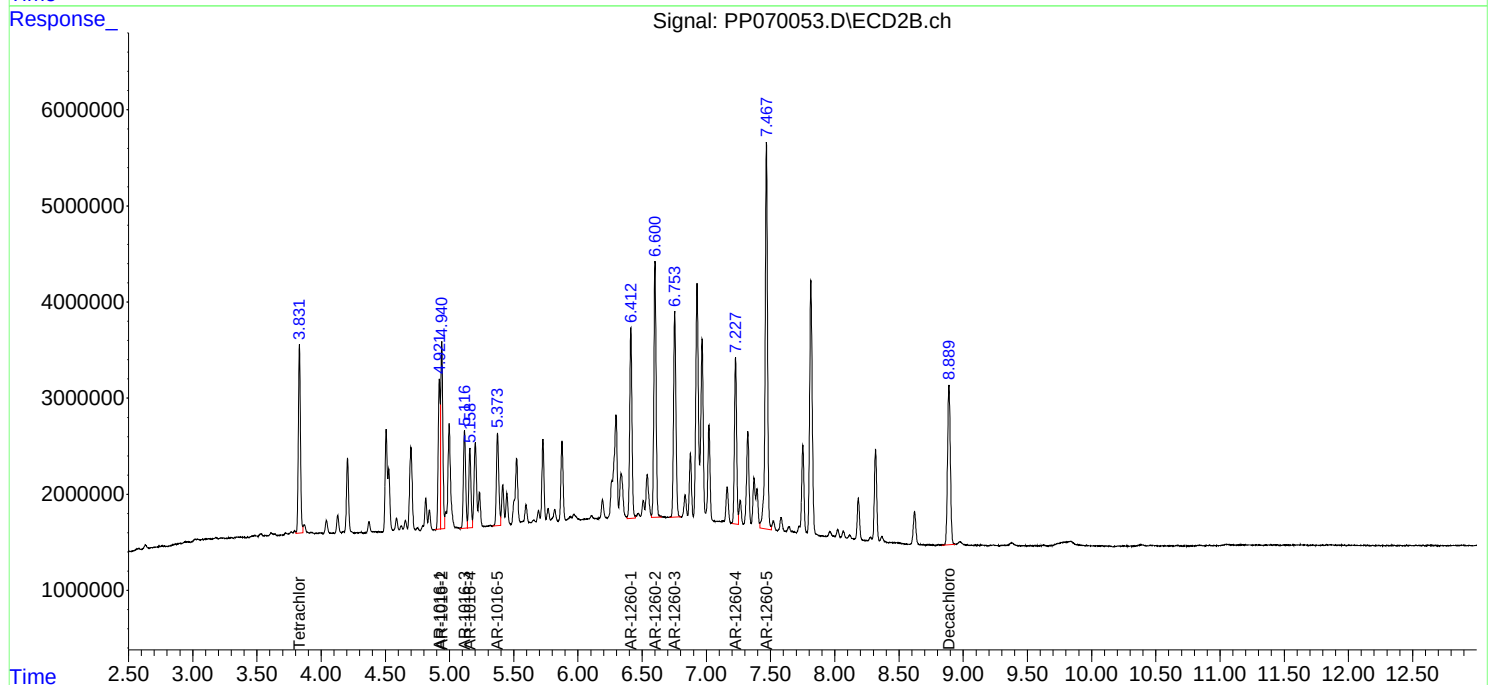
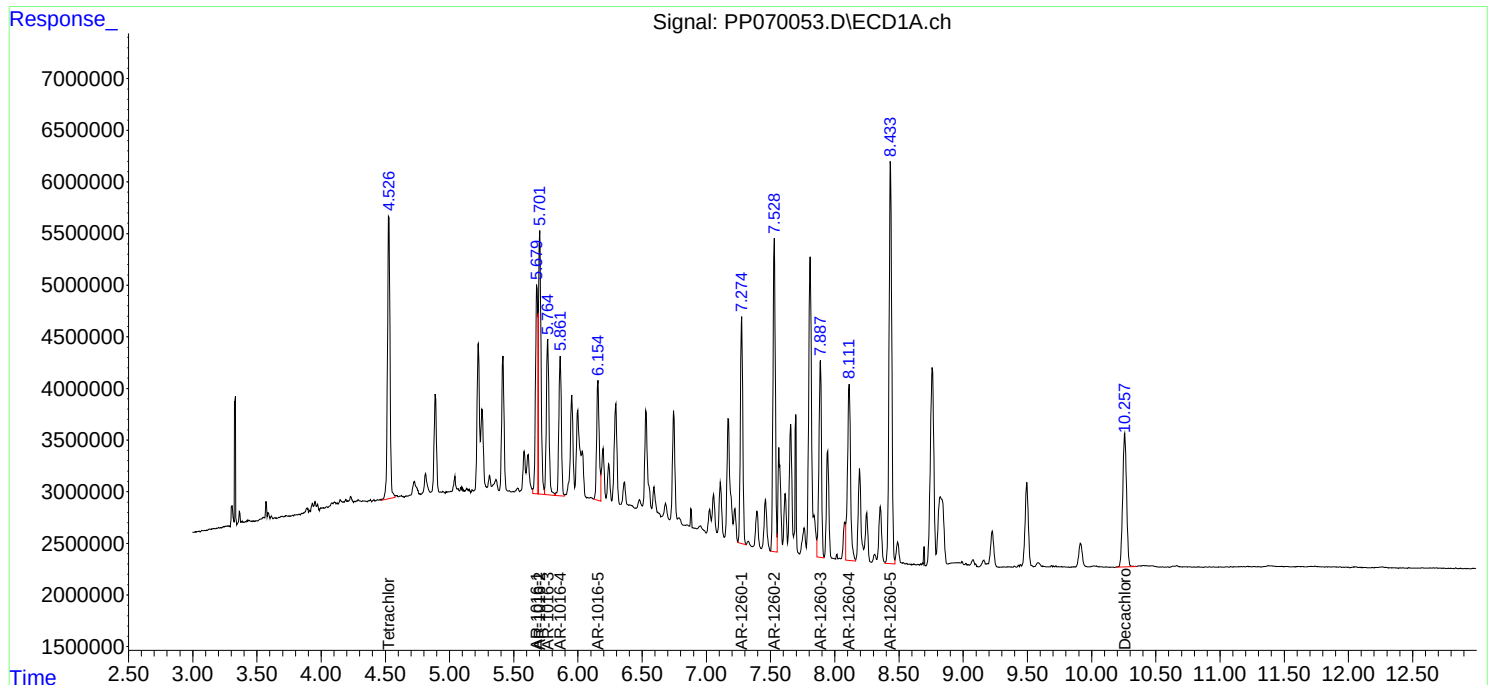
APPROVED

Reviewed By :Yogesh Patel 02/26/2025

Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:00:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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\PP022525\
 Data File : PP070054.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 17:53
 Operator : YP\AJ
 Sample : PB166856BSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB166856BSD

A
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K
L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 04:01:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.525	3.832	37013020	23449337	25.220	24.528
2) SA Decachlor...	10.255	8.889	27364857	27002496	24.025	24.908
Target Compounds						
3) L1 AR-1016-1	5.678	4.922	24658996	16561040	494.901	495.861
4) L1 AR-1016-2	5.700	4.941	35639967	23001252	503.546	493.650
5) L1 AR-1016-3	5.762	5.118	21823979	12750175	496.875	509.347
6) L1 AR-1016-4	5.860	5.159	18160796	9936303	500.830	495.065
7) L1 AR-1016-5	6.153	5.375	16053626	12747122	478.662	491.284
31) L7 AR-1260-1	7.273	6.413	30942370	24631771	530.198	497.217
32) L7 AR-1260-2	7.526	6.601	39977328	31955549	489.167	488.467
33) L7 AR-1260-3	7.885	6.755	27737901	27931154	441.960	463.034
34) L7 AR-1260-4	8.109	7.227	28989278	20190105	457.237	413.161
35) L7 AR-1260-5	8.430	7.468	58388052	51113961	445.083	428.899

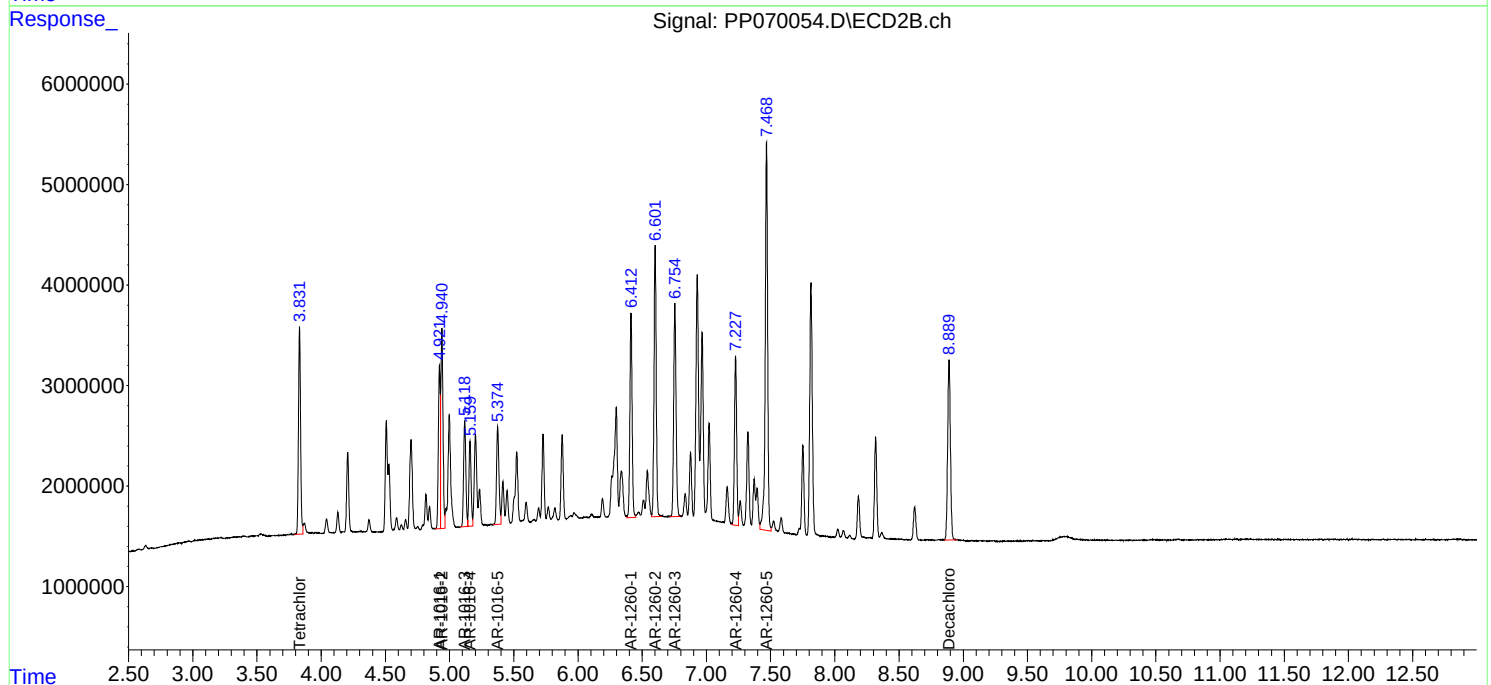
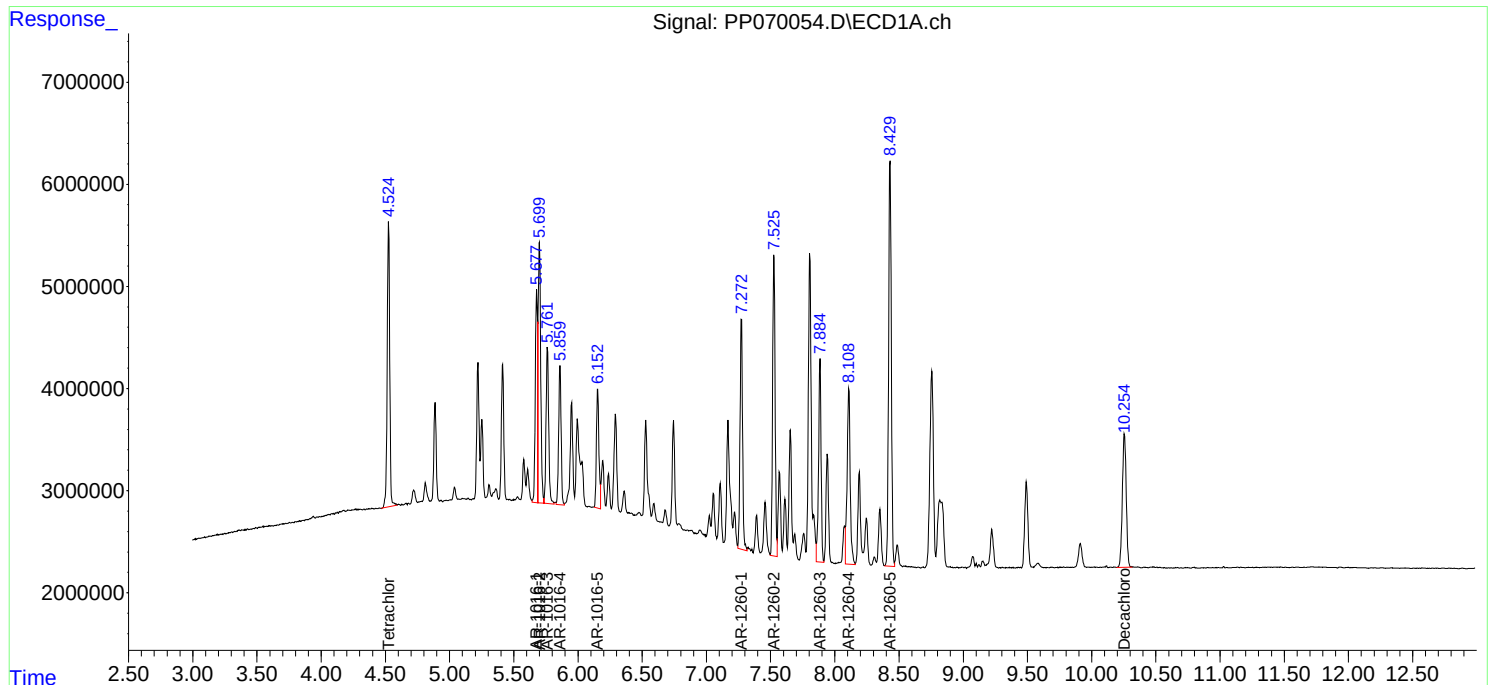
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 17:53
Operator : YP\AJ
Sample : PB166856BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB166856BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 04:01:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070048.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 16:16
 Operator : YP\AJ
 Sample : Q1421-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 P001-CLAY-CF01-01MS

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Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:57:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.527	3.831	41118620	26255730	28.017	27.463
2) SA Decachlor...	10.256	8.890	29124347	27359460	25.569	25.237
Target Compounds						
3) L1 AR-1016-1	5.680	4.921	25444668	17308608	510.669	518.244
4) L1 AR-1016-2	5.702	4.940	37323167	24008369	527.328	515.265
5) L1 AR-1016-3	5.764	5.117	22303119	13313768	507.784	531.861
6) L1 AR-1016-4	5.861	5.158	18815294	10396878	518.880	518.013
7) L1 AR-1016-5	6.155	5.374	16692375	13316689	497.707	513.236
31) L7 AR-1260-1	7.274	6.412	30668524	25071207	525.506	506.088
32) L7 AR-1260-2	7.528	6.600	38624410	32981558	472.613	504.150
33) L7 AR-1260-3	7.887	6.754	26713212	29170770	425.634	483.584
34) L7 AR-1260-4	8.111	7.227	29154966	21105848	459.850	431.900
35) L7 AR-1260-5	8.432	7.468	57755994	52119644	440.265	437.338

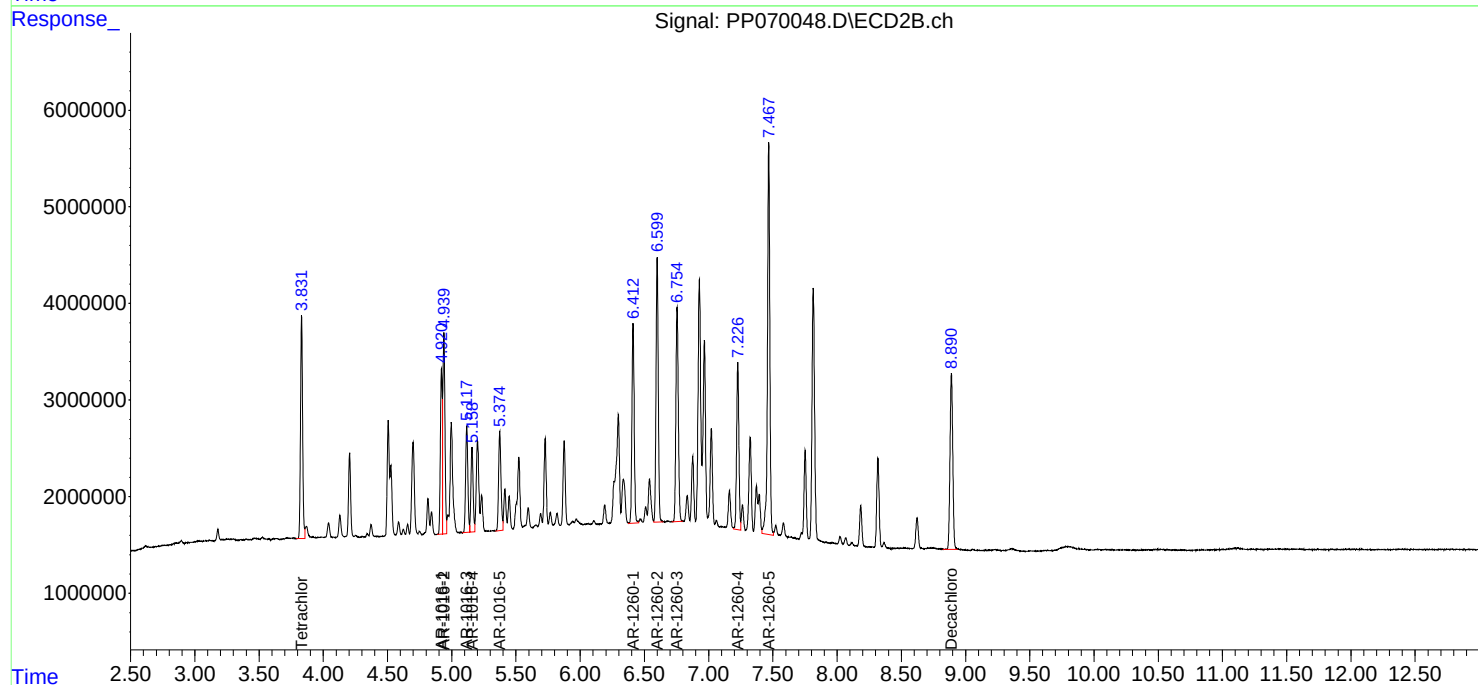
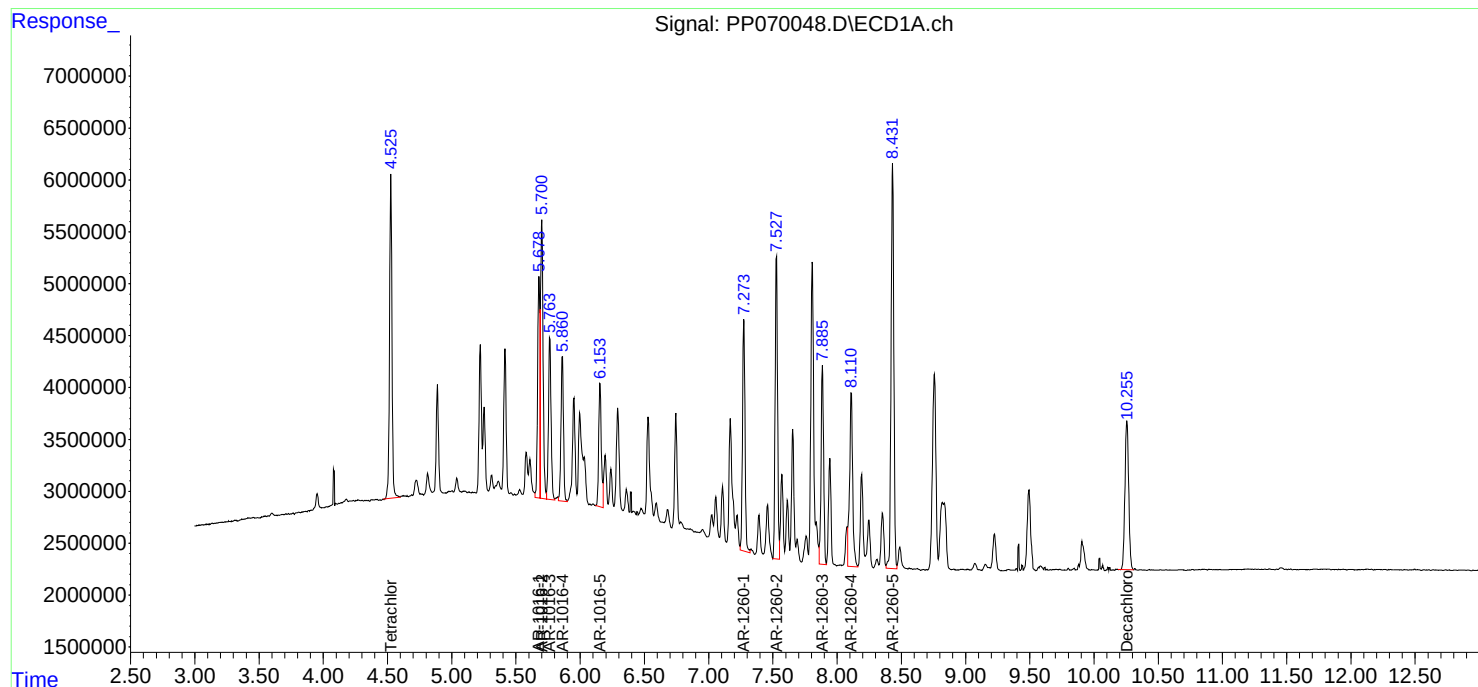
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:16
Operator : YP\AJ
Sample : Q1421-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:57:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
 Data File : PP070049.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Feb 2025 16:32
 Operator : YP\AJ
 Sample : Q1421-03MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 P001-CLAY-CF01-01MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 02/26/2025
 Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 26 03:58:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 25 05:10:19 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...	4.528	3.832	41111106	24790706	28.012	25.931
2) SA Decachlor...	10.260	8.890	29649684	27351792	26.031	25.230
Target Compounds						
3) L1 AR-1016-1	5.681	4.922	26288846	16784715	527.611	502.558
4) L1 AR-1016-2	5.703	4.941	37776807	23575883	533.737	505.983
5) L1 AR-1016-3	5.765	5.118	22943551	12937484	522.365	516.829
6) L1 AR-1016-4	5.862	5.159	19594322	10178288	540.364	507.122
7) L1 AR-1016-5	6.155	5.375	16854541	12974963	502.542	500.065
31) L7 AR-1260-1	7.274	6.413	30821485	24955539	528.127m	503.753
32) L7 AR-1260-2	7.529	6.601	39053523	33385211	477.863	510.320
33) L7 AR-1260-3	7.888	6.755	26756934	28701639	426.330	475.807
34) L7 AR-1260-4	8.111	7.228	28692549	20934188	452.557m	428.388
35) L7 AR-1260-5	8.434	7.468	58318475	55334401	444.553	464.313

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP022525\
Data File : PP070049.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Feb 2025 16:32
Operator : YP\AJ
Sample : Q1421-03MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

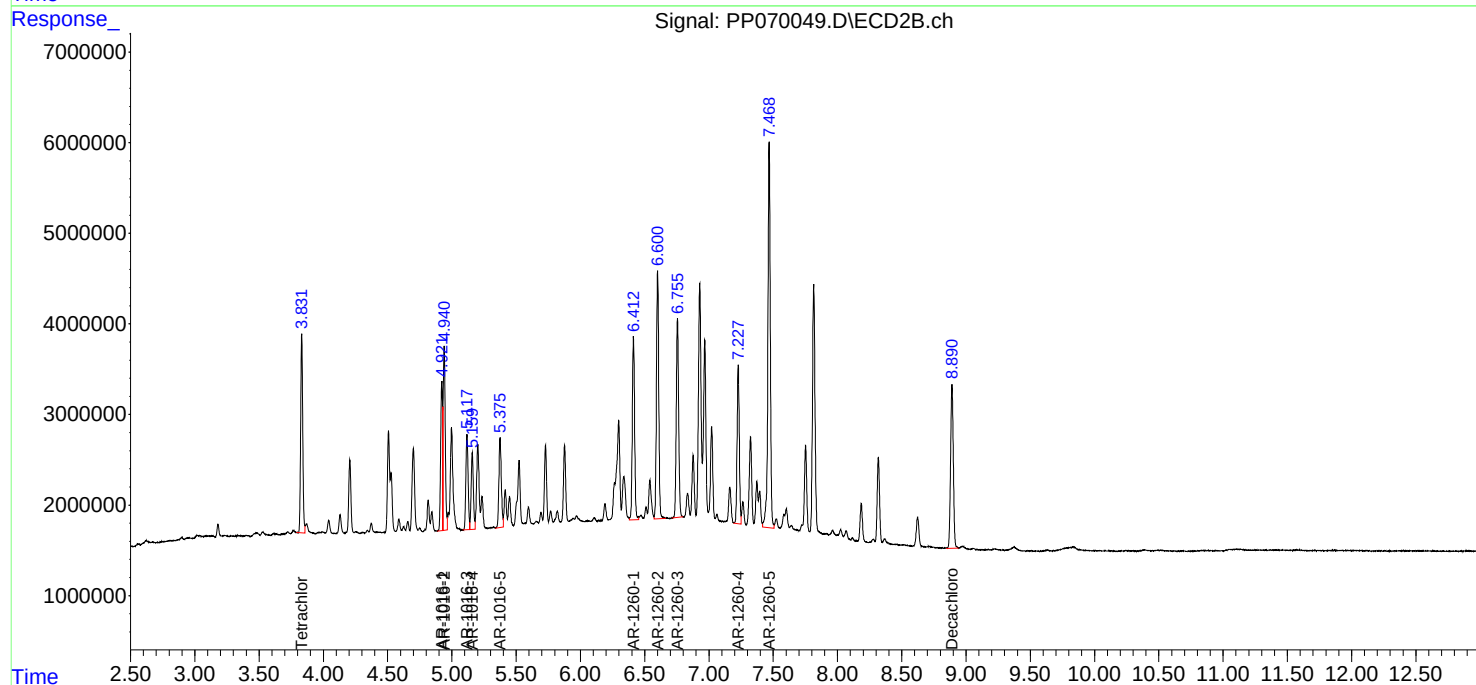
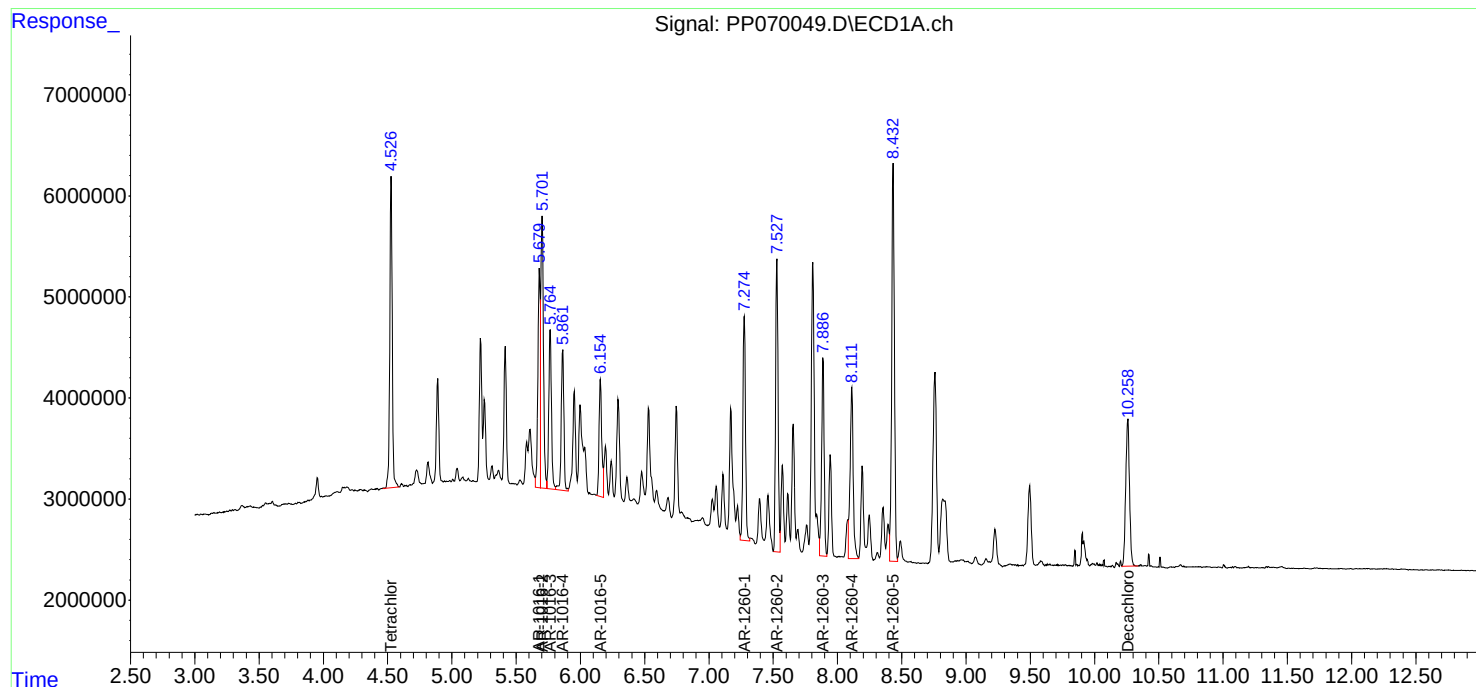
Instrument :
ECD_P
ClientSampleId :
P001-CLAY-CF01-01MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/26/2025
Supervised By :Ankita Jodhani 02/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 26 03:58:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP022425.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 25 05:10:19 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:	PP022425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP070000.D	AR-1016-1	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-4	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1016-5	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-1 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-2 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1660ICC050	PP070000.D	AR-1260-3 #2	yogesh	2/25/2025 9:00:03 AM	Ankita	2/25/2025 9:47:55	Peak Integrated by Software
AR1221ICC500	PP070001.D	Decachlorobiphenyl	yogesh	2/25/2025 9:00:06 AM	Ankita	2/25/2025 9:47:57	Peak Integrated by Software
AR1242ICC750	PP070004.D	AR-1242-5	yogesh	2/25/2025 9:00:08 AM	Ankita	2/25/2025 9:47:58	Peak Integrated by Software
AR1242ICC250	PP070006.D	AR-1242-5	yogesh	2/25/2025 9:00:09 AM	Ankita	2/25/2025 9:48:00	Peak Integrated by Software

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242ICC050	PP070007.D	AR-1242-1	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-2	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-3	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-4	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1242ICC050	PP070007.D	AR-1242-5	yogesh	2/25/2025 9:00:11 AM	Ankita	2/25/2025 9:48:01	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-1	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-2	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-3	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-4	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1248ICC050	PP070012.D	AR-1248-5	yogesh	2/25/2025 9:00:12 AM	Ankita	2/25/2025 9:48:03	Peak Integrated by Software
AR1254ICC1000	PP070013.D	AR-1254-1	yogesh	2/25/2025 9:00:14 AM	Ankita	2/25/2025 9:48:05	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-1	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software
AR1254ICC750	PP070014.D	AR-1254-5	yogesh	2/25/2025 9:00:16 AM	Ankita	2/25/2025 9:48:07	Peak Integrated by Software

Manual Integration Report

Sequence:	PP022425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254ICC050	PP070017.D	AR-1254-1	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-1 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-2 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-3 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-4 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	AR-1254-5 #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1254ICC050	PP070017.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:17 AM	Ankita	2/25/2025 9:48:24	Peak Integrated by Software
AR1268ICC750	PP070020.D	Tetrachloro-m-xylene #2	yogesh	2/25/2025 9:00:19 AM	Ankita	2/25/2025 9:48:09	Peak Integrated by Software

Manual Integration Report

Sequence:

PP022425

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1268ICC250	PP070022.D	AR-1268-4 #2	yogesh	2/25/2025 9:00:21 AM	Ankita	2/25/2025 9:48:11	Peak Integrated by Software
AR1268ICC050	PP070023.D	Tetrachloro-m-xylene	yogesh	2/25/2025 9:00:23 AM	Ankita	2/25/2025 9:48:13	Peak Integrated by Software

Manual Integration Report

Sequence:	PP022525	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP070031.D	AR-1242-1 #2	yogesh	2/26/2025 8:36:56 AM	Ankita	2/26/2025 9:01:50	Peak Integrated by Software
AR1248CCC500	PP070032.D	AR-1248-1 #2	yogesh	2/26/2025 8:36:59 AM	Ankita	2/26/2025 9:01:52	Peak Integrated by Software
AR1254CCC500	PP070033.D	AR-1254-1	yogesh	2/26/2025 8:37:01 AM	Ankita	2/26/2025 9:01:54	Peak Integrated by Software
AR1254CCC500	PP070033.D	AR-1254-4 #2	yogesh	2/26/2025 8:37:01 AM	Ankita	2/26/2025 9:01:54	Peak Integrated by Software
Q1415-03	PP070039.D	Decachlorobiphenyl	yogesh	2/26/2025 8:37:03 AM	Ankita	2/26/2025 9:01:56	Peak Integrated by Software
Q1415-04	PP070040.D	Decachlorobiphenyl	yogesh	2/26/2025 8:37:05 AM	Ankita	2/26/2025 9:01:57	Peak Integrated by Software
Q1421-03MSD	PP070049.D	AR-1260-1	yogesh	2/26/2025 8:37:10 AM	Ankita	2/26/2025 9:02:02	Peak Integrated by Software
Q1421-03MSD	PP070049.D	AR-1260-4	yogesh	2/26/2025 8:37:10 AM	Ankita	2/26/2025 9:02:02	Peak Integrated by Software
PB166856BS	PP070053.D	Tetrachloro-m-xylene #2	yogesh	2/26/2025 8:37:12 AM	Ankita	2/26/2025 9:02:04	Peak Integrated by Software
Q1415-05	PP070055.D	Tetrachloro-m-xylene #2	yogesh	2/26/2025 8:37:14 AM	Ankita	2/26/2025 9:02:05	Peak Integrated by Software
Q1415-06	PP070056.D	Tetrachloro-m-xylene	yogesh	2/26/2025 8:37:15 AM	Ankita	2/26/2025 9:02:07	Peak Integrated by Software
Q1415-06	PP070056.D	Tetrachloro-m-xylene #2	yogesh	2/26/2025 8:37:15 AM	Ankita	2/26/2025 9:02:07	Peak Integrated by Software
AR1660CCC500	PP070057.D	AR-1016-5	yogesh	2/26/2025 8:37:17 AM	Ankita	2/26/2025 9:02:09	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PP022525

Instrument

ECD_p

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP069994.D	24 Feb 2025 14:27	YP\AJ	Ok
2	I.BLK	PP069995.D	24 Feb 2025 14:43	YP\AJ	Ok
3	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59	YP\AJ	Ok
4	AR1660ICC750	PP069997.D	24 Feb 2025 15:15	YP\AJ	Ok
5	AR1660ICC500	PP069998.D	24 Feb 2025 15:32	YP\AJ	Ok
6	AR1660ICC250	PP069999.D	24 Feb 2025 15:48	YP\AJ	Ok
7	AR1660ICC050	PP070000.D	24 Feb 2025 16:04	YP\AJ	Ok,M
8	AR1221ICC500	PP070001.D	24 Feb 2025 16:20	YP\AJ	Ok,M
9	AR1232ICC500	PP070002.D	24 Feb 2025 16:37	YP\AJ	Ok
10	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53	YP\AJ	Ok
11	AR1242ICC750	PP070004.D	24 Feb 2025 17:09	YP\AJ	Ok,M
12	AR1242ICC500	PP070005.D	24 Feb 2025 17:25	YP\AJ	Ok
13	AR1242ICC250	PP070006.D	24 Feb 2025 17:42	YP\AJ	Ok,M
14	AR1242ICC050	PP070007.D	24 Feb 2025 17:58	YP\AJ	Ok,M
15	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14	YP\AJ	Ok
16	AR1248ICC750	PP070009.D	24 Feb 2025 18:30	YP\AJ	Ok
17	AR1248ICC500	PP070010.D	24 Feb 2025 18:46	YP\AJ	Ok
18	AR1248ICC250	PP070011.D	24 Feb 2025 19:03	YP\AJ	Ok
19	AR1248ICC050	PP070012.D	24 Feb 2025 19:19	YP\AJ	Ok,M
20	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35	YP\AJ	Ok,M
21	AR1254ICC750	PP070014.D	24 Feb 2025 19:51	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP070015.D	24 Feb 2025 20:08	YP\AJ	Ok
23	AR1254ICC250	PP070016.D	24 Feb 2025 20:24	YP\AJ	Ok
24	AR1254ICC050	PP070017.D	24 Feb 2025 20:40	YP\AJ	Ok,M
25	AR1262ICC500	PP070018.D	24 Feb 2025 20:56	YP\AJ	Ok
26	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12	YP\AJ	Ok
27	AR1268ICC750	PP070020.D	24 Feb 2025 21:29	YP\AJ	Ok,M
28	AR1268ICC500	PP070021.D	24 Feb 2025 21:45	YP\AJ	Ok
29	AR1268ICC250	PP070022.D	24 Feb 2025 22:01	YP\AJ	Ok,M
30	AR1268ICC050	PP070023.D	24 Feb 2025 22:17	YP\AJ	Ok,M
31	PP022425ICV500	PP070024.D	24 Feb 2025 22:34	YP\AJ	Ok
32	AR1242ICV500	PP070025.D	24 Feb 2025 22:50	YP\AJ	Ok
33	AR1248ICV500	PP070026.D	24 Feb 2025 23:06	YP\AJ	Ok
34	AR1254ICV500	PP070027.D	24 Feb 2025 23:22	YP\AJ	Ok
35	AR1268ICV500	PP070028.D	24 Feb 2025 23:38	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP070029.D	25 Feb 2025 09:27	YP\AJ	Ok
2	AR1660CCC500	PP070030.D	25 Feb 2025 09:43	YP\AJ	Ok
3	AR1242CCC500	PP070031.D	25 Feb 2025 09:59	YP\AJ	Ok,M
4	AR1248CCC500	PP070032.D	25 Feb 2025 10:15	YP\AJ	Ok,M
5	AR1254CCC500	PP070033.D	25 Feb 2025 10:32	YP\AJ	Ok,M
6	I.BLK	PP070034.D	25 Feb 2025 10:48	YP\AJ	Ok
7	PB166854BL	PP070035.D	25 Feb 2025 12:23	YP\AJ	Ok
8	PB166854BS	PP070036.D	25 Feb 2025 12:39	YP\AJ	Ok
9	Q1415-01	PP070037.D	25 Feb 2025 12:55	YP\AJ	Ok
10	Q1415-02	PP070038.D	25 Feb 2025 13:11	YP\AJ	Ok
11	Q1415-03	PP070039.D	25 Feb 2025 13:28	YP\AJ	Ok,M
12	Q1415-04	PP070040.D	25 Feb 2025 13:44	YP\AJ	Ok,M
13	Q1416-01	PP070041.D	25 Feb 2025 14:00	YP\AJ	Ok,M
14	Q1418-01	PP070042.D	25 Feb 2025 14:16	YP\AJ	Ok,M
15	Q1420-01	PP070043.D	25 Feb 2025 14:33	YP\AJ	Ok
16	Q1420-05	PP070044.D	25 Feb 2025 14:49	YP\AJ	Ok
17	AR1660CCC500	PP070045.D	25 Feb 2025 15:27	YP\AJ	Ok
18	I.BLK	PP070046.D	25 Feb 2025 15:43	YP\AJ	Ok
19	Q1421-01	PP070047.D	25 Feb 2025 16:00	YP\AJ	Ok
20	Q1421-02MS	PP070048.D	25 Feb 2025 16:16	YP\AJ	Ok
21	Q1421-03MSD	PP070049.D	25 Feb 2025 16:32	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1421-07	PP070050.D	25 Feb 2025 16:48	YP\AJ	Ok
23	Q1421-09	PP070051.D	25 Feb 2025 17:05	YP\AJ	Ok
24	PB166856BL	PP070052.D	25 Feb 2025 17:21	YP\AJ	Ok
25	PB166856BS	PP070053.D	25 Feb 2025 17:37	YP\AJ	Ok,M
26	PB166856BSD	PP070054.D	25 Feb 2025 17:53	YP\AJ	Ok
27	Q1415-05	PP070055.D	25 Feb 2025 18:10	YP\AJ	Ok,M
28	Q1415-06	PP070056.D	25 Feb 2025 18:26	YP\AJ	Ok,M
29	AR1660CCC500	PP070057.D	25 Feb 2025 19:04	YP\AJ	Ok,M
30	I.BLK	PP070058.D	25 Feb 2025 19:20	YP\AJ	Ok
31	Q1408-01	PP070059.D	25 Feb 2025 19:36	YP\AJ	Ok,M
32	AR1660CCC500	PP070060.D	25 Feb 2025 20:36	YP\AJ	Ok
33	I.BLK	PP070061.D	25 Feb 2025 20:52	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP069994.D	24 Feb 2025 14:27		YP\AJ	Ok
2	I.BLK	I.BLK	PP069995.D	24 Feb 2025 14:43		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP069996.D	24 Feb 2025 14:59		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP069997.D	24 Feb 2025 15:15		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP069998.D	24 Feb 2025 15:32		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP069999.D	24 Feb 2025 15:48		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP070000.D	24 Feb 2025 16:04		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP070001.D	24 Feb 2025 16:20		YP\AJ	Ok,M
9	AR1232ICC500	AR1232ICC500	PP070002.D	24 Feb 2025 16:37		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP070003.D	24 Feb 2025 16:53		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP070004.D	24 Feb 2025 17:09		YP\AJ	Ok,M
12	AR1242ICC500	AR1242ICC500	PP070005.D	24 Feb 2025 17:25		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP070006.D	24 Feb 2025 17:42		YP\AJ	Ok,M
14	AR1242ICC050	AR1242ICC050	PP070007.D	24 Feb 2025 17:58		YP\AJ	Ok,M
15	AR1248ICC1000	AR1248ICC1000	PP070008.D	24 Feb 2025 18:14		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP070009.D	24 Feb 2025 18:30		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP070010.D	24 Feb 2025 18:46		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP070011.D	24 Feb 2025 19:03		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022425

Review By	yogesh	Review On	2/25/2025 9:00:36 AM
Supervise By	Ankita	Supervise On	2/25/2025 9:48:29 AM
SubDirectory	PP022425	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP070012.D	24 Feb 2025 19:19		YPIAJ	Ok,M
20	AR1254ICC1000	AR1254ICC1000	PP070013.D	24 Feb 2025 19:35		YPIAJ	Ok,M
21	AR1254ICC750	AR1254ICC750	PP070014.D	24 Feb 2025 19:51		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP070015.D	24 Feb 2025 20:08		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PP070016.D	24 Feb 2025 20:24		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP070017.D	24 Feb 2025 20:40		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP070018.D	24 Feb 2025 20:56		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP070019.D	24 Feb 2025 21:12		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PP070020.D	24 Feb 2025 21:29		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP070021.D	24 Feb 2025 21:45		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PP070022.D	24 Feb 2025 22:01		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP070023.D	24 Feb 2025 22:17		YPIAJ	Ok,M
31	PP022425ICV500	ICVPP022425	PP070024.D	24 Feb 2025 22:34		YPIAJ	Ok
32	AR1242ICV500	ICVPP022425AR1242	PP070025.D	24 Feb 2025 22:50		YPIAJ	Ok
33	AR1248ICV500	ICVPP022425AR1248	PP070026.D	24 Feb 2025 23:06		YPIAJ	Ok
34	AR1254ICV500	ICVPP022425AR1254	PP070027.D	24 Feb 2025 23:22		YPIAJ	Ok
35	AR1268ICV500	ICVPP022425AR1268	PP070028.D	24 Feb 2025 23:38		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773
Internal Standard/PEM	
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP070029.D	25 Feb 2025 09:27		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PP070030.D	25 Feb 2025 09:43		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PP070031.D	25 Feb 2025 09:59		YPIAJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP070032.D	25 Feb 2025 10:15		YPIAJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP070033.D	25 Feb 2025 10:32		YPIAJ	Ok,M
6	I.BLK	I.BLK	PP070034.D	25 Feb 2025 10:48		YPIAJ	Ok
7	PB166854BL	PB166854BL	PP070035.D	25 Feb 2025 12:23		YPIAJ	Ok
8	PB166854BS	PB166854BS	PP070036.D	25 Feb 2025 12:39		YPIAJ	Ok
9	Q1415-01	B-163-SB01	PP070037.D	25 Feb 2025 12:55		YPIAJ	Ok
10	Q1415-02	B-172-SB01	PP070038.D	25 Feb 2025 13:11		YPIAJ	Ok
11	Q1415-03	B-163-SB02	PP070039.D	25 Feb 2025 13:28		YPIAJ	Ok,M
12	Q1415-04	B-172-SB02	PP070040.D	25 Feb 2025 13:44		YPIAJ	Ok,M
13	Q1416-01	OK-01-022425	PP070041.D	25 Feb 2025 14:00		YPIAJ	Ok,M
14	Q1418-01	TR-06-02242025	PP070042.D	25 Feb 2025 14:16		YPIAJ	Ok,M
15	Q1420-01	TP-1-WC	PP070043.D	25 Feb 2025 14:33		YPIAJ	Ok
16	Q1420-05	TP-2-WC	PP070044.D	25 Feb 2025 14:49		YPIAJ	Ok
17	AR1660CCC500	AR1660CCC500	PP070045.D	25 Feb 2025 15:27		YPIAJ	Ok
18	I.BLK	I.BLK	PP070046.D	25 Feb 2025 15:43		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP022525

Review By	yogesh	Review On	2/26/2025 8:37:32 AM
Supervise By	Ankita	Supervise On	2/26/2025 9:02:27 AM
SubDirectory	PP022525	HP Acquire Method	HP Processing Method PP012825
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23947		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1421-01	P001-CLAY-CF01-01	PP070047.D	25 Feb 2025 16:00		YPIAJ	Ok
20	Q1421-02MS	P001-CLAY-CF01-01M	PP070048.D	25 Feb 2025 16:16		YPIAJ	Ok
21	Q1421-03MSD	P001-CLAY-CF01-01M	PP070049.D	25 Feb 2025 16:32		YPIAJ	Ok,M
22	Q1421-07	P001-CLAY-CF01-02	PP070050.D	25 Feb 2025 16:48		YPIAJ	Ok
23	Q1421-09	P001-CLAY-CF02-01	PP070051.D	25 Feb 2025 17:05		YPIAJ	Ok
24	PB166856BL	PB166856BL	PP070052.D	25 Feb 2025 17:21		YPIAJ	Ok
25	PB166856BS	PB166856BS	PP070053.D	25 Feb 2025 17:37		YPIAJ	Ok,M
26	PB166856BSD	PB166856BSD	PP070054.D	25 Feb 2025 17:53		YPIAJ	Ok
27	Q1415-05	FB02222025	PP070055.D	25 Feb 2025 18:10		YPIAJ	Ok,M
28	Q1415-06	B-173-GW01	PP070056.D	25 Feb 2025 18:26		YPIAJ	Ok,M
29	AR1660CCC500	AR1660CCC500	PP070057.D	25 Feb 2025 19:04		YPIAJ	Ok,M
30	I.BLK	I.BLK	PP070058.D	25 Feb 2025 19:20		YPIAJ	Ok
31	Q1408-01	813	PP070059.D	25 Feb 2025 19:36	DCB High in 1st column	YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP070060.D	25 Feb 2025 20:36		YPIAJ	Ok
33	I.BLK	I.BLK	PP070061.D	25 Feb 2025 20:52		YPIAJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Matrix : Solid

Wegh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 02/25/2025

Extraction Start Time : 09:02

Extraction End Date : 02/25/2025

Extraction End Time : 12:05

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standarded Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
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	EP2583
Baked Na2SO4	N/A	EP2589
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2565
Hexane	N/A	E3877
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 BTS721.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

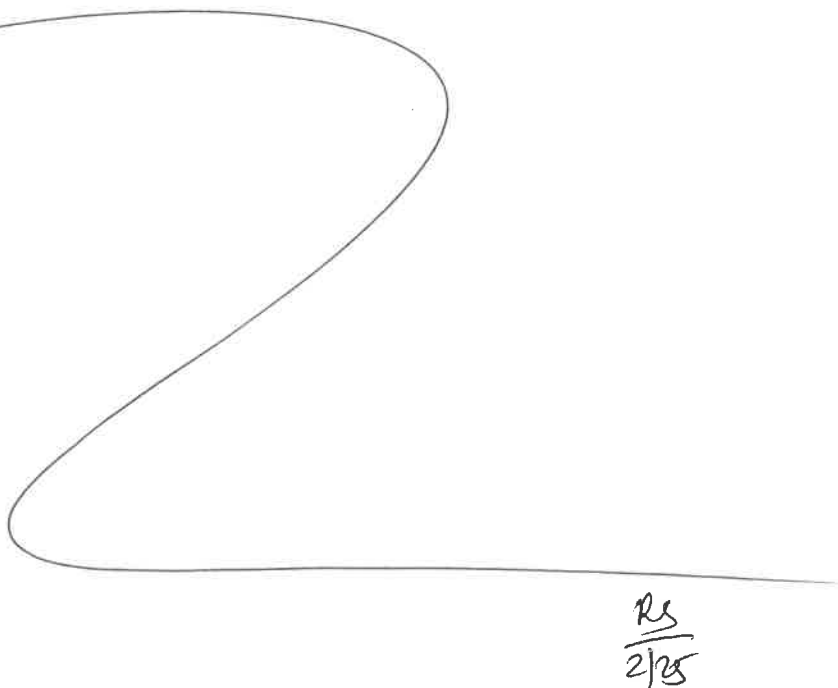
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/25/25	RS (Ext Lab)	Y.P. Pestipod.
12:10	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 02/25/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166854BL	ABLK854	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB166854BS	ALCS854	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q1415-01	B-163-SB01	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1415-02	B-172-SB01	PCB	30.03	N/A	ritesh	Evelyn	10	E		4
Q1415-03	B-163-SB02	PCB	30.08	N/A	ritesh	Evelyn	10	E		5
Q1415-04	B-172-SB02	PCB	30.02	N/A	ritesh	Evelyn	10	E		6
Q1416-01	OK-01-022425	PCB	30.03	N/A	ritesh	Evelyn	10	E		U6-1
Q1418-01	TR-06-02242025	PCB	30.06	N/A	ritesh	Evelyn	10	E		2
Q1420-01	TP-1-WC	PCB	30.09	N/A	ritesh	Evelyn	10	E		3
Q1420-05	TP-2-WC	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1421-01	P001-CLAY-CF01-01	PCB	30.04	N/A	ritesh	Evelyn	10	E		5
Q1421-02	Q1421-01MS	PCB	30.01	N/A	ritesh	Evelyn	10	E		6
Q1421-03	Q1421-01MSD	PCB	30.03	N/A	ritesh	Evelyn	10	E		U2-1
Q1421-07	P001-CLAY-CF01-02	PCB	30.07	N/A	ritesh	Evelyn	10	F		2
Q1421-09	P001-CLAY-CF02-01	PCB	30.02	N/A	ritesh	Evelyn	10	E		3



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1416 **WorkList ID :** 187862 **Department :** Extraction **Date :** 02-25-2025 08:37:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1415-01	B-163-SB01	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-02	B-172-SB01	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-03	B-163-SB02	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-04	B-172-SB02	Solid	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1416-01	OK-01-022425	Solid	PCB	Cool 4 deg C	PSEG05	N41	02/24/2025	8082A
Q1418-01	TR-06-02242025	Solid	PCB	Cool 4 deg C	PSEG05	H41	02/24/2025	8082A
Q1420-01	TP-1-WC	Solid	PCB	Cool 4 deg C	PSEG03	N41	02/24/2025	8082A
Q1420-05	TP-2-WC	Solid	PCB	Cool 4 deg C	PSEG03	N41	02/24/2025	8082A
Q1421-01	P001-CLAY-CF01-01	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-02	Q1421-01MS	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-03	Q1421-01MSD	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-07	P001-CLAY-CF01-02	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A
Q1421-09	P001-CLAY-CF02-01	Solid	PCB	Cool 4 deg C	ROYF02	H31	02/24/2025	8082A

Date/Time 2/25/25 9:00
Raw Sample Received by: RJ (Ext-1946)
Raw Sample Relinquished by: CP SM

Date/Time 2/25/25 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (Ext-1946)

SOP ID: M3510C,3580A-Extraction PCB-14

Clean Up SOP #: Acid Cleanup

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 02/25/2025

Extraction Start Time : 08:49

Extraction End Date : 02/25/2025

Extraction End Time : 13:40

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24093
Surrogate	1.0ML	200 PPB	PP24123
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
Methylene Chloride	N/A	E3874
Baked Na2SO4	N/A	EP2589
Hexane	N/A	E3877
H2SO4 1:1	N/A	EP2565
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. Q1408-01 Limited volume used as samples are Oily and Q1415-05 Limited volume received .

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

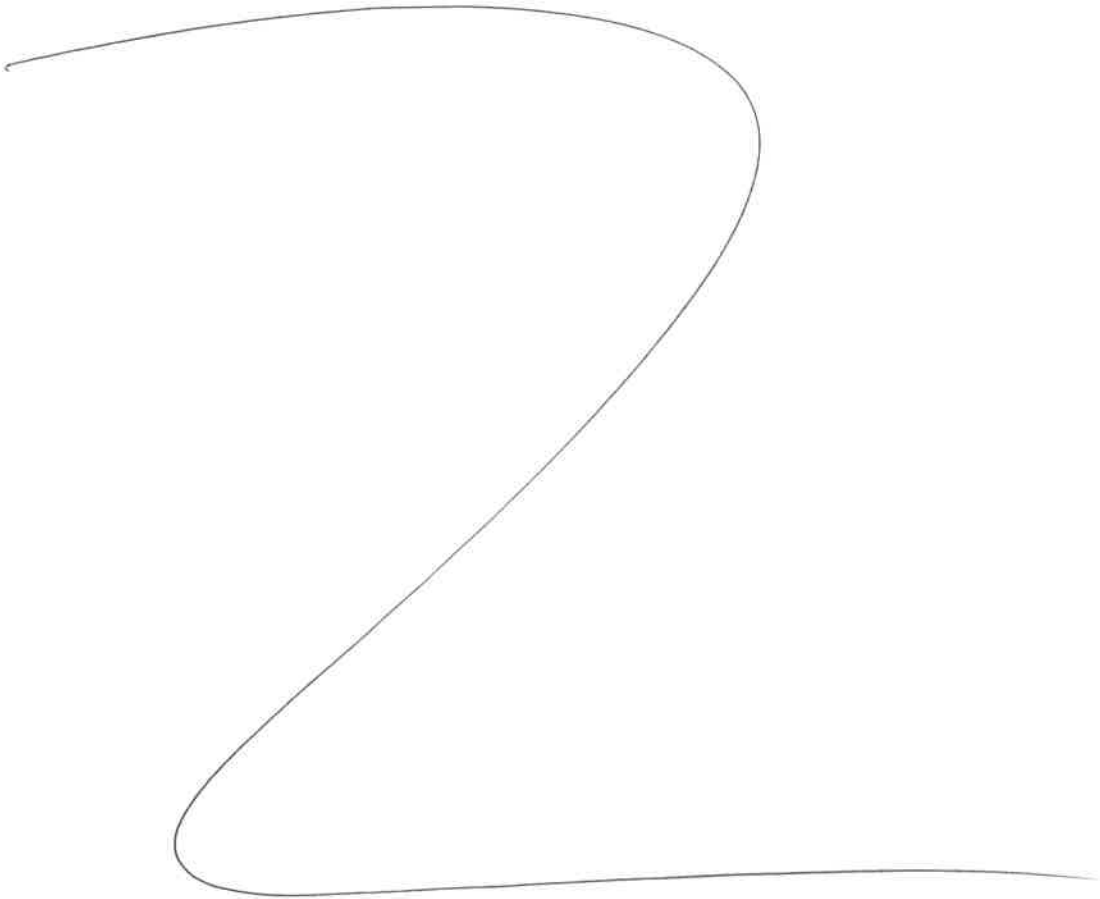
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/25/25	RS (Ext Lab)	Y-P. Pestil
13:45	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction PCB-14

Concentration Date: 02/25/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166856BL	ABLK856	PCB	1000	6	RUPESH	ritesh	10			SEP-6
PB166856BS	ALCS856	PCB	1000	6	RUPESH	ritesh	10			7
PB166856BS D	ALCSD856	PCB	1000	6	RUPESH	ritesh	10			8
Q1408-01	813	PCB	100	6	RUPESH	ritesh	10	C	Oily	9
Q1415-05	FB02222025	PCB	480	6	RUPESH	ritesh	5	G		10
Q1415-06	B-173-GW01	PCB	900	6	RUPESH	ritesh	10	G		11



RS
2/25

1601
(8:15)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1408 WorkList ID : 187865 Department : Extraction Date : 02-25-2025 08:45:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1408-01	813	Water	PCB	Cool 4 deg C	PSEG03	H23	02/21/2025	8082A
Q1415-05	FB02222025	Water	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A
Q1415-06	B-173-GW01	Water	PCB	Cool 4 deg C	PORT06	N31	02/22/2025	8082A

Date/Time 2/25/25 8:15
Raw Sample Received by: RJ (Exch Lab)
Raw Sample Relinquished by: RJ (Exch Lab)

Date/Time 2/25/25 9:15
Raw Sample Received by: RJ (Exch Lab)
Raw Sample Relinquished by: RJ (Exch Lab)



LAB CHRONICLE

OrderID:	Q1415	OrderDate:	2/24/2025 10:32:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	N31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1415-01	B-163-SB01	SOIL	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25
Q1415-02	B-172-SB01	SOIL	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25
Q1415-03	B-163-SB02	SOIL	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25
Q1415-04	B-172-SB02	SOIL	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25
Q1415-05	FB02222025	WATER	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25
Q1415-06	B-173-GW01	WATER	PCB	8082A	02/22/25	02/25/25	02/25/25	02/24/25