



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

Hit Summary Sheet
SW-846

SDG No.:		Q1901		Order ID:		Q1901		
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:	04/26/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/28/25	
Client Sample ID:	B-167-SB01		SDG No.:	Q1901	
Lab Sample ID:	Q1901-02		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	82.6	Decanted:
Sample Wt/Vol:	30.07	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
PP071622.D	1	04/29/25 08:35	04/29/25 18:56	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	20.5	ug/kg
11104-28-2	Aroclor-1221	4.90	U	4.90	20.5	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.5	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.5	ug/kg
12672-29-6	Aroclor-1248	7.20	U	7.20	20.5	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.5	ug/kg
37324-23-5	Aroclor-1262	6.10	U	6.10	20.5	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.5	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (32) - 150 (144)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		30 (32) - 150 (175)	107%	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB01	SDG No.:	Q1901
Lab Sample ID:	Q1901-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071643.D	1	04/30/25 08:35	04/30/25 13:12	PB167794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.80	U	4.80	20.5	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.5	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	20.5	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	20.5	ug/kg
12672-29-6	Aroclor-1248	7.10	U	7.10	20.5	ug/kg
11097-69-1	Aroclor-1254	3.90	U	3.90	20.5	ug/kg
37324-23-5	Aroclor-1262	6.00	U	6.00	20.5	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.5	ug/kg
11096-82-5	Aroclor-1260	3.90	U	3.90	20.5	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		30 (32) - 150 (144)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		30 (32) - 150 (175)	88%	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:	04/26/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/28/25	
Client Sample ID:	B-167-SB02		SDG No.:	Q1901	
Lab Sample ID:	Q1901-04		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	53.2	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
PP071623.D	1	04/29/25 08:35	04/29/25 19:12	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	7.40	U	7.40	31.9	ug/kg
11104-28-2	Aroclor-1221	7.60	U	7.60	31.9	ug/kg
11141-16-5	Aroclor-1232	7.00	U	7.00	31.9	ug/kg
53469-21-9	Aroclor-1242	7.50	U	7.50	31.9	ug/kg
12672-29-6	Aroclor-1248	11.1	U	11.1	31.9	ug/kg
11097-69-1	Aroclor-1254	6.00	U	6.00	31.9	ug/kg
37324-23-5	Aroclor-1262	9.40	U	9.40	31.9	ug/kg
11100-14-4	Aroclor-1268	6.80	U	6.80	31.9	ug/kg
11096-82-5	Aroclor-1260	6.10	U	6.10	31.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.5		30 (32) - 150 (175)	67%	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	B-170-SB02	SDG No.:	Q1901
Lab Sample ID:	Q1901-05	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	75.1
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO110856.D	1	04/29/25 08:35	04/29/25 13:36	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.30	U	5.30	22.6	ug/kg
11104-28-2	Aroclor-1221	5.40	U	5.40	22.6	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	22.6	ug/kg
53469-21-9	Aroclor-1242	5.30	U	5.30	22.6	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	22.6	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	22.6	ug/kg
37324-23-5	Aroclor-1262	6.70	U	6.70	22.6	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	22.6	ug/kg
11096-82-5	Aroclor-1260	4.30	U	4.30	22.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.6		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		30 (32) - 150 (175)	105%	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:	04/26/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	FB04262025	SDG No.:	Q1901
Lab Sample ID:	Q1901-06	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
Sample Wt/Vol:	870	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
PO110874.D	1	04/29/25 08:55	04/29/25 20:14	PB167782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.11	U	0.11	0.57	ug/L
11104-28-2	Aroclor-1221	0.15	U	0.15	0.57	ug/L
11141-16-5	Aroclor-1232	0.11	U	0.11	0.57	ug/L
53469-21-9	Aroclor-1242	0.14	U	0.14	0.57	ug/L
12672-29-6	Aroclor-1248	0.082	U	0.082	0.57	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.57	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.57	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.57	ug/L
11096-82-5	Aroclor-1260	0.093	U	0.093	0.57	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.2		30 (16) - 150 (158)	121%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		30 (10) - 150 (173)	86%	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



QC SUMMARY

Surrogate Summary

SDG No.: **Q1901**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO110348.D	PIBLK-PO110348.D	Tetrachloro-m-xylene	1	20	18.1	91		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.2	96		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.2	91		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.2	101		70 (60)	130 (140)
I.BLK-PO110850.D	PIBLK-PO110850.D	Tetrachloro-m-xylene	1	20	18.0	90		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.9	85		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.6	83		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.7	84		70 (60)	130 (140)
Q1901-05	B-170-SB02	Tetrachloro-m-xylene	1	20	24.6	123		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.9	104		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	22.3	111		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.0	105		30 (32)	150 (175)
I.BLK-PO110865.D	PIBLK-PO110865.D	Tetrachloro-m-xylene	1	20	18.4	92		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.5	88		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.9	84		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.9	85		70 (60)	130 (140)
Q1904-01MS	VNJ-210MS	Tetrachloro-m-xylene	1	20	23.3	117		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.1	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.1	95		30 (32)	150 (175)
Q1904-01MSD	VNJ-210MSD	Tetrachloro-m-xylene	1	20	22.9	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.0	95		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.8	104		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	18.7	93		30 (32)	150 (175)
Q1901-06	FB04262025	Tetrachloro-m-xylene	1	20	24.2	121		30 (16)	150 (158)
		Decachlorobiphenyl	1	20	16.2	81		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	21.3	106		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	17.2	86		30 (10)	150 (173)
I.BLK-PO110880.D	PIBLK-PO110880.D	Tetrachloro-m-xylene	1	20	18.4	92		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	16.6	83		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.0	85		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	16.7	83		70 (60)	130 (140)
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.6	88		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.2	86		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.6	88		70 (60)	130 (140)
I.BLK-PP071603.D	PIBLK-PP071603.D	Tetrachloro-m-xylene	1	20	15.9	79		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.3	86		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.3	91		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.6	93		70 (60)	130 (140)
PB167776BL	PB167776BL	Tetrachloro-m-xylene	1	20	18.7	94		30 (32)	150 (144)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: **Q1901**

Client: **Portal Partners Tri-Venture**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB167776BL	PB167776BL	Decachlorobiphenyl	1	20	19.5	97		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	19.9	100		30 (32)	150 (144)
PB167776BS	PB167776BS	Decachlorobiphenyl	2	20	21.1	105		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	19.5	97		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.9	105		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.7	103		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.3	106		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	16.0	80		70 (60)	130 (140)
I.BLK-PP071618.D	PIBLK-PP071618.D	Decachlorobiphenyl	1	20	18.0	90		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	17.3	86		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.3	96		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	21.1	106		30 (32)	150 (144)
Q1901-02	B-167-SB01	Decachlorobiphenyl	1	20	20.4	102		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.3	117		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.4	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	17.7	89		30 (32)	150 (144)
Q1901-04	B-167-SB02	Decachlorobiphenyl	1	20	12.3	62		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.1	100		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	13.5	67		30 (32)	150 (175)
		Tetrachloro-m-xylene	1	20	18.4	92		30 (16)	150 (158)
PB167782BL	PB167782BL	Decachlorobiphenyl	1	20	20.1	100		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	20.5	103		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	20.3	102		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	18.7	93		30 (16)	150 (158)
PB167782BS	PB167782BS	Decachlorobiphenyl	1	20	19.8	99		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	18.5	92		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	20.6	103		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	18.9	95		30 (16)	150 (158)
PB167782BSD	PB167782BSD	Decachlorobiphenyl	1	20	19.9	100		30 (10)	150 (173)
		Tetrachloro-m-xylene	2	20	19.1	95		30 (16)	150 (158)
		Decachlorobiphenyl	2	20	21.3	107		30 (10)	150 (173)
		Tetrachloro-m-xylene	1	20	16.8	84		70 (60)	130 (140)
I.BLK-PP071633.D	PIBLK-PP071633.D	Decachlorobiphenyl	1	20	18.0	90		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	18.2	91		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	19.2	96		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	16.2	81		70 (60)	130 (140)
I.BLK-PP071639.D	PIBLK-PP071639.D	Decachlorobiphenyl	1	20	17.4	87		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.4	82		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	17.6	88		70 (60)	130 (140)
		Tetrachloro-m-xylene	1	20	19.2	96		30 (32)	150 (144)
PB167794BL	PB167794BL	Decachlorobiphenyl	1	20	20.5	102		30 (32)	150 (175)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
PB167794BL	PB167794BL	Tetrachloro-m-xylene	2	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.3	106		30 (32)	150 (175)
PB167794BS	PB167794BS	Tetrachloro-m-xylene	1	20	19.5	98		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	20.3	101		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.6	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	20.8	104		30 (32)	150 (175)
Q1901-03	B-170-SB01	Tetrachloro-m-xylene	1	20	17.6	88		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	15.6	78		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.3	102		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.6	88		30 (32)	150 (175)
Q1910-01MS	MOO-25-0123-27MS	Tetrachloro-m-xylene	1	20	18.4	92		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	16.9	85		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.1	91		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	17.3	86		30 (32)	150 (175)
Q1910-01MSD	MOO-25-0123-27MSD	Tetrachloro-m-xylene	1	20	17.9	90		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	19.1	96		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	18.5	93		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	19.5	98		30 (32)	150 (175)
I.BLK-PP071654.D	PIBLK-PP071654.D	Tetrachloro-m-xylene	1	20	15.9	80		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	17.1	85		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	16.7	83		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	18.4	92		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO110867.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	VNJ-210MS											
Q1904-01MS	AR1016	183.8	0	201	ug/kg	109				40 (55)	140 (146)	
	AR1260	183.8	0	187	ug/kg	102				40 (31)	140 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PO110868.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1904-01MSD	VNJ-210MSD											
	AR1016	183.7	0	199	ug/kg	108		1		40 (55)	140 (146)	30 (20)
	AR1260	183.7	0	183	ug/kg	100		2		40 (31)	140 (146)	30 (20)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP071648.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	MOO-25-0123-27MS											
Q1910-01MS	AR1016	187.4	0	166	ug/kg	89				40 (55)	140 (146)	
	AR1260	187.4	0	206	ug/kg	110				40 (31)	140 (146)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: 8082A

DataFile : PP071649.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	MOO-25-0123-27MSD											
Q1910-01MSD	AR1016	187.1	0	171	ug/kg	91		2		40 (55)	140 (146)	30 (20)
	AR1260	187.1	0	231	ug/kg	123		11		40 (31)	140 (146)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP071608.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167776BS	AR1016	166.5	156	ug/kg	94				40 (71)	140 (120)		
	AR1260	166.5	157	ug/kg	94				40 (65)	140 (130)		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP071625.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167782BS	AR1016	5	4.20	ug/L	84				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.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP071626.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167782BSD	AR1016	5	4.40	ug/L	88	5			40 (61)	140 (112)	20 (20)
	AR1260	5	4.20	ug/L	84	9			40 (66)	140 (113)	20 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1901

Client: Portal Partners Tri-Venture

Analytical Method: **8082A** **Datafile :** PP071642.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167794BS	AR1016	166.5	150	ug/kg	90				40 (71)	140 (120)		
	AR1260	166.5	153	ug/kg	92				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167776BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: PB167776BL

Lab File ID: PP071607.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/29/2025

Date Analyzed (1): 04/29/2025

Date Analyzed (2): 04/29/2025

Time Analyzed (1): 13:30

Time Analyzed (2): 13:30

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
B-170-SB02	Q1901-05	PO110856.D	04/29/2025	04/29/2025
VNJ-210MS	Q1904-01MS	PO110867.D	04/29/2025	04/29/2025
VNJ-210MSD	Q1904-01MSD	PO110868.D	04/29/2025	04/29/2025
PB167776BS	PB167776BS	PP071608.D	04/29/2025	04/29/2025
B-167-SB01	Q1901-02	PP071622.D	04/29/2025	04/29/2025
B-167-SB02	Q1901-04	PP071623.D	04/29/2025	04/29/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167782BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: PB167782BL

Lab File ID: PP071624.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/29/2025

Date Analyzed (1): 04/29/2025

Date Analyzed (2): 04/29/2025

Time Analyzed (1): 19:29

Time Analyzed (2): 19:29

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
FB04262025	Q1901-06	PO110874.D	04/29/2025	04/29/2025
PB167782BS	PB167782BS	PP071625.D	04/29/2025	04/29/2025
PB167782BSD	PB167782BSD	PP071626.D	04/29/2025	04/29/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167794BL

Lab Name: CHEMTECH

Contract: PORT06

Lab Code: CHEM Case No.: Q1901

SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: PB167794BL

Lab File ID: PP071641.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/30/2025

Date Analyzed (1): 04/30/2025

Date Analyzed (2): 04/30/2025

Time Analyzed (1): 12:39

Time Analyzed (2): 12:39

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
PB167794BS	PB167794BS	PP071642.D	04/30/2025	04/30/2025
B-170-SB01	Q1901-03	PP071643.D	04/30/2025	04/30/2025
MOO-25-0123-27MS	Q1910-01MS	PP071648.D	04/30/2025	04/30/2025
MOO-25-0123-27MSD	Q1910-01MSD	PP071649.D	04/30/2025	04/30/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:		
Project:	Amtrak Sawtooth Bridges 2025		Date Received:		
Client Sample ID:	PB167776BL		SDG No.:	Q1901	
Lab Sample ID:	PB167776BL		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
PP071607.D	1	04/29/25 08:35	04/29/25 13:30	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		30 (32) - 150 (144)	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		30 (32) - 150 (175)	105%	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:	PB167782BL	SDG No.:	Q1901
Lab Sample ID:	PB167782BL	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
PP071624.D	1	04/29/25 08:55	04/29/25 19:29	PB167782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		30 (16) - 150 (158)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		30 (10) - 150 (173)	102%	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:	PB167794BL		SDG No.:	Q1901	
Lab Sample ID:	PB167794BL		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
PP071641.D	1	04/30/25 08:35	04/30/25 12:39	PB167794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.90	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.2		30 (32) - 150 (144)	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		30 (32) - 150 (175)	106%	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:	04/10/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/10/25
Client Sample ID:	PIBLK-PO110348.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PO110348.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
PO110348.D	1		04/10/25	PO041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		70 (60) - 130 (140)	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.2		70 (60) - 130 (140)	96%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	PIBLK-PO110850.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PO110850.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
PO110850.D	1		04/29/25	PO042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.6		70 (60) - 130 (140)	83%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.7		70 (60) - 130 (140)	84%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Portal Partners Tri-Venture		Date Collected:	04/29/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/29/25	
Client Sample ID:	PIBLK-PO110865.D		SDG No.:	Q1901	
Lab Sample ID:	I.BLK-PO110865.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
PO110865.D	1		04/29/25	PO042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.9		70 (60) - 130 (140)	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.9		70 (60) - 130 (140)	85%	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:	04/29/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/29/25	
Client Sample ID:	PIBLK-PO110880.D		SDG No.:	Q1901	
Lab Sample ID:	I.BLK-PO110880.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
PO110880.D	1		04/29/25	PO042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.0		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.6		70 (60) - 130 (140)	83%	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:	04/22/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071388.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
PP071388.D	1		04/22/25	PP042225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.1		70 (60) - 130 (140)	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		70 (60) - 130 (140)	88%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	PIBLK-PP071603.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071603.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
PP071603.D	1		04/29/25	PP042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		70 (60) - 130 (140)	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		70 (60) - 130 (140)	86%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	PIBLK-PP071618.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071618.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
PP071618.D	1		04/29/25	PP042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.0		70 (60) - 130 (140)	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		70 (60) - 130 (140)	90%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	PIBLK-PP071633.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071633.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
PP071633.D	1		04/29/25	PP042925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.8		70 (60) - 130 (140)	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		70 (60) - 130 (140)	90%	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:	04/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/30/25
Client Sample ID:	PIBLK-PP071639.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071639.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
PP071639.D	1		04/30/25	PP043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.2		70 (60) - 130 (140)	81%	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:	04/30/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/30/25
Client Sample ID:	PIBLK-PP071654.D	SDG No.:	Q1901
Lab Sample ID:	I.BLK-PP071654.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
PP071654.D	1		04/30/25	pp043025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		70 (60) - 130 (140)	80%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		70 (60) - 130 (140)	85%	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:	PB167776BS	SDG No.:	Q1901
Lab Sample ID:	PB167776BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
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
PP071608.D	1	04/29/25 08:35	04/29/25 13:46	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	156		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	157		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		30 (32) - 150 (144)	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		30 (32) - 150 (175)	106%	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:	PB167782BS		SDG No.:	Q1901	
Lab Sample ID:	PB167782BS		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
PP071625.D	1	04/29/25 08:55	04/29/25 19:45	PB167782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.20		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.60		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		30 (16) - 150 (158)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		30 (10) - 150 (173)	103%	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:	PB167794BS	SDG No.:	Q1901
Lab Sample ID:	PB167794BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
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
PP071642.D	1	04/30/25 08:35	04/30/25 12:56	PB167794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	150		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	4.00	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	3.70	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	5.90	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	3.20	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	5.00	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	153		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.5		30 (32) - 150 (144)	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		30 (32) - 150 (175)	104%	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:	PB167782BSD		SDG No.:	Q1901	
Lab Sample ID:	PB167782BSD		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
PP071626.D	1	04/29/25 08:55	04/29/25 20:01	PB167782

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.40		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.20		0.081	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		30 (16) - 150 (158)	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.3		30 (10) - 150 (173)	107%	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:	04/28/25	
Project:	Amtrak Sawtooth Bridges 2025		Date Received:	04/28/25	
Client Sample ID:	VNJ-210MS		SDG No.:	Q1901	
Lab Sample ID:	Q1904-01MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	90.6	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
PO110867.D	1	04/29/25 08:35	04/29/25 18:05	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	201		4.40	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	187		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (32) - 150 (144)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.1		30 (32) - 150 (175)	96%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	MOO-25-0123-27MS	SDG No.:	Q1901
Lab Sample ID:	Q1910-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.9
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
PP071648.D	1	04/30/25 08:35	04/30/25 14:49	PB167794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	166		4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	6.70	U	6.70	19.1	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.1	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.1	ug/kg
11096-82-5	Aroclor-1260	206		3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.4		30 (32) - 150 (144)	92%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.3		30 (32) - 150 (175)	86%	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:	04/28/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/28/25
Client Sample ID:	VNJ-210MSD	SDG No.:	Q1901
Lab Sample ID:	Q1904-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	90.6
Sample Wt/Vol:	30.05 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
PO110868.D	1	04/29/25 08:35	04/29/25 18:23	PB167776

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	199		4.40	18.7	ug/kg
11104-28-2	Aroclor-1221	4.40	U	4.40	18.7	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.7	ug/kg
53469-21-9	Aroclor-1242	4.40	U	4.40	18.7	ug/kg
12672-29-6	Aroclor-1248	6.50	U	6.50	18.7	ug/kg
11097-69-1	Aroclor-1254	3.50	U	3.50	18.7	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	18.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.7	ug/kg
11096-82-5	Aroclor-1260	183		3.60	18.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.9		30 (32) - 150 (144)	114%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		30 (32) - 150 (175)	95%	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:	04/29/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	04/29/25
Client Sample ID:	MOO-25-0123-27MSD	SDG No.:	Q1901
Lab Sample ID:	Q1910-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.9
Sample Wt/Vol:	30.06 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
PP071649.D	1	04/30/25 08:35	04/30/25 15:05	PB167794

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	171		4.40	19.1	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	19.1	ug/kg
11141-16-5	Aroclor-1232	4.20	U	4.20	19.1	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	19.1	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	19.1	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	19.1	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	19.1	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	19.1	ug/kg
11096-82-5	Aroclor-1260	231	P	3.60	19.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.5		30 (32) - 150 (144)	93%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		30 (32) - 150 (175)	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

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

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.73	8.73	8.73	8.73	8.73	8.73	8.63	8.83
Tetrachloro-m-xylene	3.69	3.69	3.69	3.69	3.69	3.69	3.59	3.79

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

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

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.68	8.68	8.68	8.68	8.68	8.68	8.58	8.78
Tetrachloro-m-xylene	3.68	3.68	3.69	3.69	3.68	3.68	3.58	3.78

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_O

Calibration Date(s): 04/10/2025 04/10/2025

Calibration Times: 09:36 17:52

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

LAB FILE ID:		CF 1000 = <u>PO110349.D</u>		CF 750 = <u>PO110350.D</u>			
CF 500 = <u>PO110351.D</u>		CF 250 = <u>PO110352.D</u>		CF 050 = <u>PO110353.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	301539199	312147691	325366094	341425388	360239300	328143534 7
Aroclor-1016-2	(2)	424202495	441346851	452587054	472466840	484138100	454948268 5
Aroclor-1016-3	(3)	286857785	300177247	315792572	336640016	373170260	322527576 10
Aroclor-1016-4	(4)	227624644	238137328	247842320	261218376	270999820	249164498 7
Aroclor-1016-5	(5)	238190199	250655776	262830422	281583724	311798080	269011640 11
Aroclor-1260-1	(1)	429982139	447081743	462005040	490865312	532292280	472445303 9
Aroclor-1260-2	(2)	524274151	548276752	560001580	596374412	703195060	586424391 12
Aroclor-1260-3	(3)	446012749	466468717	482076654	511871688	557932460	492872454 9
Aroclor-1260-4	(4)	382143422	400404183	417623168	445374396	476569960	424423026 9
Aroclor-1260-5	(5)	1002895230	1031868237	1046125762	1065122080	1071346720	1043471606 3
Decachlorobiphenyl		7251274760	7526590267	7768647820	8211713920	8716546400	7894954633 7
Tetrachloro-m-xylene		8603197440	8796106920	8951138380	8737007280	8657843200	8749058644 2
Aroclor-1242-1	(1)	251425090	265265637	280796652	297523620	292655800	277533360 7
Aroclor-1242-2	(2)	357466275	381332853	387813836	403164036	399090640	385773528 5
Aroclor-1242-3	(3)	243771373	289655151	275873660	292357392	289351880	278201891 7
Aroclor-1242-4	(4)	192501706	205352244	214136342	225398444	219447980	211367343 6
Aroclor-1242-5	(5)	201519138	214789603	225760330	239210520	250688060	226393530 9
Decachlorobiphenyl		7236681930	7570895773	7844756000	8188613360	8340739400	7836337293 6
Tetrachloro-m-xylene		8271521710	8776052907	8899890520	8994445160	8028934800	8594169019 5
Aroclor-1248-1	(1)	197377890	205758444	217881170	227760364	215403640	212836302 5
Aroclor-1248-2	(2)	269669918	281050744	300223294	312748708	315932500	295925033 7
Aroclor-1248-3	(3)	336662132	352073889	372312126	402058472	386700500	369961424 7
Aroclor-1248-4	(4)	480139637	497256893	523877470	552564648	546315400	520030810 6
Aroclor-1248-5	(5)	340550967	353429060	372487386	395512156	385149340	369425782 6
Decachlorobiphenyl		7423367890	7666646707	8031765140	8382357480	8221484000	7945124243 5
Tetrachloro-m-xylene		8572177400	8675092440	8959183240	8875828960	7878695600	8592195528 5
Aroclor-1254-1	(1)	517202507	536393799	555537214	581626948	599185020	557989098 6
Aroclor-1254-2	(2)	450798901	468206104	477861830	506770124	524875880	485702568 6
Aroclor-1254-3	(3)	746169545	769125461	779743060	811121676	809948840	783221716 4
Aroclor-1254-4	(4)	460149954	473941677	490156778	505394424	508383480	487605263 4
Aroclor-1254-5	(5)	657635451	678198725	698380664	724566284	745718260	700899877 5
Decachlorobiphenyl		7612990370	7886723680	8142983840	8479059160	8719027400	8168156890 5
Tetrachloro-m-xylene		8665092200	8825966600	8709112240	8974669960	8357494600	8706467120 3
Aroclor-1268-1	(1)	1383597022	1397247867	1409112634	1454718672	1376171500	1404169539 2

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	1284666762	1297280443	1294427176	1315942372	1206403380	1279744027	3
Aroclor-1268-3	(3)	1040477449	1046596769	1051327350	1081872512	994526740	1042960164	3
Aroclor-1268-4	(4)	443191011	422978037	441841820	472590652	440184600	444157224	4
Aroclor-1268-5	(5)	3289098269	3287076648	3286110800	3299829260	2937018240	3219826643	5
Decachlorobiphenyl		14008782040	14232407573	14386243640	14978905640	14264840400	14374235859	3
Tetrachloro-m-xylene		8842756020	8685831240	8461342580	8927106240	7893566400	8562120496	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1901 **SAS No.:** Q1901 **SDG NO.:** Q1901

Instrument ID: ECD_O

Calibration Date(s): 04/10/2025 04/10/2025

Calibration Times: 09:36 17:52

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

LAB FILE ID:		CF 1000 = <u>PO110349.D</u>		CF 750 = <u>PO110350.D</u>			
CF 500 = <u>PO110351.D</u>		CF 250 = <u>PO110352.D</u>		CF 050 = <u>PO110353.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	159213491	166153001	173161426	184455932	194563640	175509498
Aroclor-1016-2	(2)	235577328	244073360	249915638	259769828	267988640	251464959
Aroclor-1016-3	(3)	123754519	129314112	134837594	142342816	148305560	135710920
Aroclor-1016-4	(4)	100154968	106815488	112688448	121621132	130559280	114367863
Aroclor-1016-5	(5)	131736277	138471012	145266388	155239544	174656140	149073872
Aroclor-1260-1	(1)	221282381	231306280	240804372	256804492	279620260	245963557
Aroclor-1260-2	(2)	260045501	271771868	281572488	298549944	346814040	291750768
Aroclor-1260-3	(3)	243412958	253822376	261595986	277903536	317685740	270884119
Aroclor-1260-4	(4)	177247956	186943988	195746612	210913364	232348220	200640028
Aroclor-1260-5	(5)	430279301	445092429	452357666	469475868	497083160	458857685
Decachlorobiphenyl		1704536950	1791384040	1872045360	2025627840	2231357400	1924990318
Tetrachloro-m-xylene		4868987290	4975470093	5049711440	5093085920	4961663200	4989783589
Aroclor-1242-1	(1)	135406625	142863792	148969750	157870364	162402140	149502534
Aroclor-1242-2	(2)	196039746	208415869	214437698	224916372	223006160	213363169
Aroclor-1242-3	(3)	104255216	111360831	115893042	122823476	123579060	115582325
Aroclor-1242-4	(4)	104208953	112717296	118822658	128761036	135986400	120099269
Aroclor-1242-5	(5)	127551049	136157379	142405808	154240196	165129880	145096862
Decachlorobiphenyl		1618576700	1765984867	1877839140	2017748840	2043806200	1864791149
Tetrachloro-m-xylene		4668026020	4940087107	5018557540	5112714200	4785540800	4904985133
Aroclor-1248-1	(1)	105821161	111030904	117101186	122057144	119649440	115131967
Aroclor-1248-2	(2)	147033899	153433108	164488546	172099504	177357920	162882595
Aroclor-1248-3	(3)	157542784	164259717	175853068	186850756	194774160	175856097
Aroclor-1248-4	(4)	185573916	192640824	204179344	219437840	216561660	203678717
Aroclor-1248-5	(5)	181941821	187320336	197908182	210306260	209502440	197395808
Decachlorobiphenyl		1708281780	1752376693	1900332500	2015603280	2024700800	1880259011
Tetrachloro-m-xylene		4827908270	4873975707	5038663740	4997540000	4437882400	4835194023
Aroclor-1254-1	(1)	275528987	285381728	296386294	310788612	339409960	301499116
Aroclor-1254-2	(2)	239912515	249193828	258146844	274680708	301492780	264685335
Aroclor-1254-3	(3)	379979735	392440955	403528434	417422392	423708940	403416091
Aroclor-1254-4	(4)	215870098	222432417	229245508	238627400	242389020	229712889
Aroclor-1254-5	(5)	307722172	319481015	330728230	346867608	356659680	332291741
Decachlorobiphenyl		1672742580	1794748347	1901326780	2085791440	2132484800	1917418789
Tetrachloro-m-xylene		4865625930	4959437227	4872791400	5058078960	4761547200	4903496143
Aroclor-1268-1	(1)	525182929	538928599	545888608	568124632	560585780	547742110

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	480641047	490576048	498020244	516699400	501511240	497489596	3
Aroclor-1268-3	(3)	351934435	362716216	370714832	389280160	383206160	371570361	4
Aroclor-1268-4	(4)	132381746	136088747	141172922	152568336	143480180	141138386	5
Aroclor-1268-5	(5)	751733306	775563612	792246668	813875020	802618900	787207501	3
Decachlorobiphenyl		3018392240	3167067147	3278510040	3500677320	3503309000	3293591149	6
Tetrachloro-m-xylene		4973805090	4889835600	4772598500	5033958160	4487276800	4831494830	4

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_O Date(s) Analyzed: 04/10/2025 04/10/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.90	3.80	4.00	118035000
		2	3.99	3.89	4.09	88343600
		3	4.06	3.96	4.16	263124000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	204824000
		2	4.56	4.46	4.66	106709000
		3	4.80	4.70	4.90	199781000
		4	4.98	4.88	5.08	102298000
		5	5.02	4.92	5.12	68902400
Aroclor-1262	500	1	6.83	6.73	6.93	701458000
		2	7.33	7.23	7.43	1207740000
		3	7.62	7.52	7.72	509104000
		4	7.68	7.58	7.78	896274000
		5	8.18	8.08	8.28	402994000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_O Date(s) Analyzed: 04/10/2025 04/10/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.90	3.80	4.00	66772400
		2	3.98	3.88	4.08	50096200
		3	4.06	3.96	4.16	149170000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.06	3.96	4.16	115024000
		2	4.78	4.68	4.88	110868000
		3	4.96	4.86	5.06	57203200
		4	5.04	4.94	5.14	53953400
		5	5.21	5.11	5.31	57135800
Aroclor-1262	500	1	6.80	6.70	6.90	329340000
		2	7.30	7.20	7.40	508458000
		3	7.58	7.48	7.68	193630000
		4	7.64	7.54	7.74	347054000
		5	8.14	8.04	8.24	124595000

RETENTION TIMES OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1901 **SAS No.:** Q1901 **SDG NO.:** Q1901

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID:	RT 1000 = <u>PP071389.D</u>	RT 750 = <u>PP071390.D</u>
RT 500 = <u>PP071391.D</u>	RT 250 = <u>PP071392.D</u>	RT 050 = <u>PP071393.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.66	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1016-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1016-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1016-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1016-5	(5)	6.14	6.14	6.15	6.14	6.14	6.14	6.04	6.24
Aroclor-1260-1	(1)	7.26	7.26	7.27	7.26	7.26	7.26	7.16	7.36
Aroclor-1260-2	(2)	7.51	7.51	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-3	(3)	7.87	7.87	7.88	7.87	7.88	7.87	7.77	7.97
Aroclor-1260-4	(4)	8.10	8.10	8.10	8.10	8.10	8.10	8.00	8.20
Aroclor-1260-5	(5)	8.42	8.42	8.42	8.42	8.42	8.42	8.32	8.52
Decachlorobiphenyl		10.23	10.23	10.24	10.23	10.24	10.23	10.13	10.33
Tetrachloro-m-xylene		4.51	4.51	4.52	4.51	4.52	4.51	4.41	4.61
Aroclor-1242-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1242-2	(2)	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Aroclor-1242-3	(3)	5.75	5.75	5.75	5.75	5.75	5.75	5.65	5.85
Aroclor-1242-4	(4)	5.85	5.85	5.85	5.85	5.85	5.85	5.75	5.95
Aroclor-1242-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.23	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.51	4.52	4.51	4.51	4.52	4.51	4.41	4.61
Aroclor-1248-1	(1)	5.67	5.67	5.67	5.67	5.67	5.67	5.57	5.77
Aroclor-1248-2	(2)	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Aroclor-1248-3	(3)	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Aroclor-1248-4	(4)	6.54	6.54	6.54	6.54	6.54	6.54	6.44	6.64
Aroclor-1248-5	(5)	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Decachlorobiphenyl		10.24	10.24	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.51	4.51	4.51	4.51	4.41	4.61
Aroclor-1254-1	(1)	6.52	6.52	6.52	6.52	6.52	6.52	6.42	6.62
Aroclor-1254-2	(2)	6.74	6.74	6.74	6.73	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.10	7.10	7.10	7.10	7.10	7.10	7.00	7.20
Aroclor-1254-4	(4)	7.38	7.38	7.38	7.38	7.38	7.38	7.28	7.48
Aroclor-1254-5	(5)	7.80	7.80	7.80	7.80	7.80	7.80	7.70	7.90
Decachlorobiphenyl		10.24	10.24	10.24	10.23	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene		4.52	4.52	4.52	4.51	4.51	4.51	4.41	4.61
Aroclor-1268-1	(1)	8.73	8.73	8.73	8.74	8.73	8.73	8.63	8.83
Aroclor-1268-2	(2)	8.83	8.83	8.83	8.83	8.83	8.83	8.73	8.93
Aroclor-1268-3	(3)	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Aroclor-1268-4	(4)	9.48	9.48	9.48	9.48	9.48	9.48	9.38	9.58
Aroclor-1268-5	(5)	9.89	9.89	9.89	9.90	9.89	9.90	9.80	10.00

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.24	10.23	10.24	10.24	10.24	10.24	10.14	10.34
Tetrachloro-m-xylene	4.51	4.52	4.52	4.52	4.51	4.52	4.42	4.62

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

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

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.85	8.85	8.85	8.85	8.85	8.85	8.75	8.95
Tetrachloro-m-xylene	3.81	3.81	3.81	3.81	3.81	3.81	3.71	3.91

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_P

Calibration Date(s): 04/22/2025 04/22/2025

Calibration Times: 10:29 17:49

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

LAB FILE ID:		CF 1000 = <u>PP071389.D</u>		CF 750 = <u>PP071390.D</u>			
CF 500 = <u>PP071391.D</u>		CF 250 = <u>PP071392.D</u>		CF 050 = <u>PP071393.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	64709894	67652695	70083532	71128656	61674340	67049823
Aroclor-1016-2	(2)	98977911	102364897	107369074	108813892	95615840	102628323
Aroclor-1016-3	(3)	59905708	62127143	64296308	65849928	56056440	61647105
Aroclor-1016-4	(4)	50563747	52419789	53619076	54941428	44946700	51298148
Aroclor-1016-5	(5)	47772963	49344036	50670668	50888564	42515680	48238382
Aroclor-1260-1	(1)	90879847	94857525	98814986	99659744	95910940	96024608
Aroclor-1260-2	(2)	137163459	142386411	147498372	149887700	138450980	143077384
Aroclor-1260-3	(3)	110350751	114445481	117702804	126515524	91505860	112104084
Aroclor-1260-4	(4)	105570732	110780085	111211068	131260612	105501660	112864831
Aroclor-1260-5	(5)	220536830	229070229	228919678	255108180	199231240	226573231
Decachlorobiphenyl		1409816860	1467002307	1522583160	1539948480	1300700600	1448010281
Tetrachloro-m-xylene		1947183160	2005072840	2066603680	2100352680	1793966200	1982635712
Aroclor-1242-1	(1)	53870259	55684409	58494980	58676784	47130380	54771362
Aroclor-1242-2	(2)	81881116	85641493	90236470	89744200	77399340	84980524
Aroclor-1242-3	(3)	49423643	51294363	53309060	53836868	47752740	51123335
Aroclor-1242-4	(4)	41638031	42855355	45034468	44656444	36858500	42208560
Aroclor-1242-5	(5)	44955701	46392219	48330700	47956460	43817460	46290508
Decachlorobiphenyl		1368547670	1421241013	1488838040	1503303480	1179092600	1392204561
Tetrachloro-m-xylene		1868945350	1926494133	2017272340	2030390160	1613146400	1891249677
Aroclor-1248-1	(1)	42447397	43370463	44490672	45736348	38649560	42938888
Aroclor-1248-2	(2)	57932834	60215229	62023042	63285912	58705480	60432499
Aroclor-1248-3	(3)	65030901	68053485	69372090	70318056	61147600	66784426
Aroclor-1248-4	(4)	80777360	84441085	86910244	89142916	81782860	84610893
Aroclor-1248-5	(5)	76029464	78502729	80776474	83552224	78380620	79448302
Decachlorobiphenyl		1379130770	1440268240	1485619680	1521197800	1358343200	1436911938
Tetrachloro-m-xylene		1879191440	1925518227	1989640420	2037603040	1811949400	1928780505
Aroclor-1254-1	(1)	78574372	81246615	85577334	88598188	75759400	81951182
Aroclor-1254-2	(2)	121624435	125816099	132146328	137115708	118678260	127076166
Aroclor-1254-3	(3)	123432630	127799839	132981654	137623252	117036460	127774767
Aroclor-1254-4	(4)	112512019	116259037	121737436	124392856	112665620	117513394
Aroclor-1254-5	(5)	106399089	105922557	113785120	116153044	96391680	107730298
Decachlorobiphenyl		1410101810	1469202520	1526389740	1549706840	1328725400	1456825262
Tetrachloro-m-xylene		1888241120	1936990333	2012368600	2071565920	1722515200	1926336235
Aroclor-1268-1	(1)	299594266	309097848	319744804	331826088	282063800	308465361

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	251109850	259047004	267960354	275856908	228123960	256419615	7
Aroclor-1268-3	(3)	211915080	218354113	225284280	231505696	216470880	220706010	4
Aroclor-1268-4	(4)	93231632	96431025	99007040	98059984	82736300	93893196	7
Aroclor-1268-5	(5)	590082071	603740247	621062448	631335032	536707900	596585540	6
Decachlorobiphenyl		2486623660	2556709627	2669414960	2694667240	2263272000	2534137497	7
Tetrachloro-m-xylene		1883977950	1931567613	1982008260	2006991440	1590966000	1879102253	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: PORT06

Lab Code: CHEM **Case No.:** Q1901 **SAS No.:** Q1901 **SDG NO.:** Q1901

Instrument ID: ECD_P **Calibration Date(s):** 04/22/2025 04/22/2025
Calibration Times: 10:29 17:49

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

LAB FILE ID:		CF 1000 = <u>PP071389.D</u>		CF 750 = <u>PP071390.D</u>			
CF 500 = <u>PP071391.D</u>		CF 250 = <u>PP071392.D</u>		CF 050 = <u>PP071393.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	48121828	49414308	53806128	56180596	60145020	53533576
Aroclor-1016-2	(2)	69736709	72096436	77213744	78520924	84250740	76363711
Aroclor-1016-3	(3)	38517048	40455577	43831736	45082616	43165080	42210411
Aroclor-1016-4	(4)	31206636	32814844	36123020	37095092	35190100	34485938
Aroclor-1016-5	(5)	39458687	41985771	45850608	46345748	48595640	44447291
Aroclor-1260-1	(1)	63219917	66123699	73727666	76350368	82074520	72299234
Aroclor-1260-2	(2)	77338708	77548395	89921718	91492956	101005300	87461415
Aroclor-1260-3	(3)	72062678	70944365	81698234	79344004	87888600	78387576
Aroclor-1260-4	(4)	57333188	56779915	65331750	68083052	68025140	63110609
Aroclor-1260-5	(5)	143809415	139161576	155842678	157512280	157560640	150777318
Decachlorobiphenyl		831147600	875337973	902319620	934998560	841460400	877052831
Tetrachloro-m-xylene		1380433570	1378340613	1415112020	1448341640	1420974200	1408640409
Aroclor-1242-1	(1)	42717527	44660211	47919806	49576672	46343800	46243603
Aroclor-1242-2	(2)	62346958	64901092	68295906	70279172	64290540	66022734
Aroclor-1242-3	(3)	34614031	35703872	38469574	40739776	32714120	36448275
Aroclor-1242-4	(4)	33518120	34659665	37548334	39683016	33143760	35710579
Aroclor-1242-5	(5)	41214500	42688541	44971456	47258656	41407120	43508055
Decachlorobiphenyl		815615080	851726400	897002660	917481280	766770800	849719244
Tetrachloro-m-xylene		1295159620	1325412680	1503876340	1432488040	1389045200	1389196376
Aroclor-1248-1	(1)	30996932	35945815	36538014	39256084	37796080	36106585
Aroclor-1248-2	(2)	43624561	47309389	48616518	53505512	51756020	48962400
Aroclor-1248-3	(3)	45791659	49899927	50774174	56002176	52959580	51085503
Aroclor-1248-4	(4)	53871444	58562581	58680784	64889280	67282380	60657294
Aroclor-1248-5	(5)	52150607	56290108	57608714	65271236	60133720	58290877
Decachlorobiphenyl		826375100	860756013	900400040	940375840	921771600	889935719
Tetrachloro-m-xylene		1324712230	1514156880	1548203640	1434858960	1416930600	1447772462
Aroclor-1254-1	(1)	81690839	87361264	89755404	97285536	100908960	91400401
Aroclor-1254-2	(2)	70045476	75469849	77317914	83154376	87573280	78712179
Aroclor-1254-3	(3)	109725744	114103376	120096818	124380164	124235440	118508308
Aroclor-1254-4	(4)	70169900	74068720	77810162	81877428	81901880	77165618
Aroclor-1254-5	(5)	92229111	96109599	104690794	107384400	106924600	101467701
Decachlorobiphenyl		846307500	875335867	916104900	955261880	868223800	892246789
Tetrachloro-m-xylene		1390553300	1501013893	1450901500	1518608160	1468503000	1465915971
Aroclor-1268-1	(1)	181860271	188460193	203483780	205414332	201904640	196224643

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154801411	159518377	172755008	173272408	170561360	166181713	5
Aroclor-1268-3	(3)	128491160	133089205	143083692	144773184	135469120	136981272	5
Aroclor-1268-4	(4)	56964280	59695839	63521398	64177792	55793320	60030526	6
Aroclor-1268-5	(5)	367021219	377695863	385175068	387479012	342861840	372046600	5
Decachlorobiphenyl		1499051200	1546040093	1602790460	1652739760	1464953600	1553115023	5
Tetrachloro-m-xylene		1476470990	1445952813	1464214380	1457737600	1300882000	1429051557	5

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_P Date(s) Analyzed: 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.72	4.62	4.82	24116800
		2	4.80	4.70	4.90	18016900
		3	4.88	4.78	4.98	56611200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	44912000
		2	5.40	5.30	5.50	23013000
		3	5.69	5.59	5.79	47217600
		4	5.85	5.75	5.95	23179400
		5	5.94	5.84	6.04	16145700
Aroclor-1262	500	1	8.10	8.00	8.20	144491000
		2	8.42	8.32	8.52	274186000
		3	8.74	8.64	8.84	182878000
		4	8.82	8.72	8.92	134211000
		5	9.48	9.38	9.58	88162000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Instrument ID: ECD_P Date(s) Analyzed: 04/22/2025 04/22/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.02	3.92	4.12	21995000
		2	4.11	4.01	4.21	16561700
		3	4.19	4.09	4.29	48477000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	38317800
		2	4.92	4.82	5.02	38187400
		3	5.09	4.99	5.19	21175200
		4	5.18	5.08	5.28	18540400
		5	5.35	5.25	5.45	19901900
Aroclor-1262	500	1	6.94	6.84	7.04	113612000
		2	7.20	7.10	7.30	92339400
		3	7.72	7.62	7.82	75694400
		4	7.79	7.69	7.89	124826000
		5	8.29	8.19	8.39	55493200

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 09:24 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.82	6.83	6.73	6.93	0.01
Aroclor-1260-4	(4)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 09:24 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.29	7.30	7.20	7.40	0.01
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL01 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110846.D Time Analyzed: 09:24

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.775	4.679	4.879	554.440	500.000	10.9
Aroclor-1016-2	4.795	4.698	4.898	558.040	500.000	11.6
Aroclor-1016-3	4.851	4.755	4.955	542.460	500.000	8.5
Aroclor-1016-4	4.971	4.875	5.075	553.630	500.000	10.7
Aroclor-1016-5	5.228	5.132	5.332	543.180	500.000	8.6
Aroclor-1260-1	6.268	6.172	6.372	535.720	500.000	7.1
Aroclor-1260-2	6.457	6.360	6.560	519.830	500.000	4.0
Aroclor-1260-3	6.824	6.729	6.929	522.530	500.000	4.5
Aroclor-1260-4	7.085	6.988	7.188	513.390	500.000	2.7
Aroclor-1260-5	7.326	7.230	7.430	515.480	500.000	3.1
Decachlorobiphenyl	8.727	8.632	8.832	47.400	50.000	-5.2
Tetrachloro-m-xylene	3.686	3.588	3.788	56.210	50.000	12.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL01 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110846.D Time Analyzed: 09:24

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.762	4.666	4.866	520.260	500.000	4.1
Aroclor-1016-2	4.781	4.684	4.884	519.530	500.000	3.9
Aroclor-1016-3	4.956	4.860	5.060	502.490	500.000	0.5
Aroclor-1016-4	4.998	4.902	5.102	493.190	500.000	-1.4
Aroclor-1016-5	5.211	5.115	5.315	490.700	500.000	-1.9
Aroclor-1260-1	6.242	6.146	6.346	492.670	500.000	-1.5
Aroclor-1260-2	6.430	6.334	6.534	484.910	500.000	-3.0
Aroclor-1260-3	6.582	6.487	6.687	480.540	500.000	-3.9
Aroclor-1260-4	7.053	6.957	7.157	480.890	500.000	-3.8
Aroclor-1260-5	7.294	7.197	7.397	482.240	500.000	-3.6
Decachlorobiphenyl	8.679	8.584	8.784	46.500	50.000	-7.0
Tetrachloro-m-xylene	3.683	3.586	3.786	53.130	50.000	6.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 15:58 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.83	6.73	6.93	0.01
Aroclor-1260-4	(4)	7.08	7.09	6.99	7.19	0.01
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 15:58 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.29	7.30	7.20	7.40	0.01
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL02 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110861.D Time Analyzed: 15:58

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.776	4.679	4.879	567.510	500.000	13.5
Aroclor-1016-2	4.795	4.698	4.898	567.550	500.000	13.5
Aroclor-1016-3	4.851	4.755	4.955	552.160	500.000	10.4
Aroclor-1016-4	4.972	4.875	5.075	566.160	500.000	13.2
Aroclor-1016-5	5.229	5.132	5.332	568.900	500.000	13.8
Aroclor-1260-1	6.268	6.172	6.372	552.510	500.000	10.5
Aroclor-1260-2	6.457	6.360	6.560	540.900	500.000	8.2
Aroclor-1260-3	6.825	6.729	6.929	541.450	500.000	8.3
Aroclor-1260-4	7.084	6.988	7.188	532.720	500.000	6.5
Aroclor-1260-5	7.327	7.230	7.430	535.700	500.000	7.1
Decachlorobiphenyl	8.728	8.632	8.832	49.210	50.000	-1.6
Tetrachloro-m-xylene	3.686	3.588	3.788	57.430	50.000	14.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL02 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110861.D Time Analyzed: 15:58

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.763	4.666	4.866	533.100	500.000	6.6
Aroclor-1016-2	4.781	4.684	4.884	531.290	500.000	6.3
Aroclor-1016-3	4.956	4.860	5.060	513.330	500.000	2.7
Aroclor-1016-4	4.998	4.902	5.102	496.070	500.000	-0.8
Aroclor-1016-5	5.211	5.115	5.315	510.550	500.000	2.1
Aroclor-1260-1	6.242	6.146	6.346	502.200	500.000	0.4
Aroclor-1260-2	6.429	6.334	6.534	495.650	500.000	-0.9
Aroclor-1260-3	6.582	6.487	6.687	487.880	500.000	-2.4
Aroclor-1260-4	7.053	6.957	7.157	485.750	500.000	-2.9
Aroclor-1260-5	7.294	7.197	7.397	488.550	500.000	-2.3
Decachlorobiphenyl	8.679	8.584	8.784	46.590	50.000	-6.8
Tetrachloro-m-xylene	3.683	3.586	3.786	54.630	50.000	9.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 22:00 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-2	(2)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-3	(3)	4.85	4.86	4.76	4.96	0.01
Aroclor-1016-4	(4)	4.97	4.98	4.88	5.08	0.01
Aroclor-1016-5	(5)	5.23	5.23	5.13	5.33	0.00
Aroclor-1260-1	(1)	6.27	6.27	6.17	6.37	0.00
Aroclor-1260-2	(2)	6.46	6.46	6.36	6.56	0.00
Aroclor-1260-3	(3)	6.83	6.83	6.73	6.93	0.01
Aroclor-1260-4	(4)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-5	(5)	7.33	7.33	7.23	7.43	0.00
Tetrachloro-m-xylene		3.69	3.69	3.59	3.79	0.00
Decachlorobiphenyl		8.73	8.73	8.63	8.83	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/10/2025 04/10/2025

Continuing Calib Time: 22:00 Initial Calibration Time(s): 09:36 17:52

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.76	4.77	4.67	4.87	0.01
Aroclor-1016-2	(2)	4.78	4.78	4.68	4.88	0.00
Aroclor-1016-3	(3)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-4	(4)	5.00	5.00	4.90	5.10	0.00
Aroclor-1016-5	(5)	5.21	5.22	5.12	5.32	0.01
Aroclor-1260-1	(1)	6.24	6.25	6.15	6.35	0.01
Aroclor-1260-2	(2)	6.43	6.43	6.33	6.53	0.00
Aroclor-1260-3	(3)	6.58	6.59	6.49	6.69	0.01
Aroclor-1260-4	(4)	7.05	7.06	6.96	7.16	0.01
Aroclor-1260-5	(5)	7.30	7.30	7.20	7.40	0.00
Tetrachloro-m-xylene		3.68	3.69	3.59	3.79	0.01
Decachlorobiphenyl		8.68	8.68	8.58	8.78	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110876.D Time Analyzed: 22:00

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.776	4.679	4.879	557.860	500.000	11.6
Aroclor-1016-2	4.795	4.698	4.898	559.810	500.000	12.0
Aroclor-1016-3	4.851	4.755	4.955	538.720	500.000	7.7
Aroclor-1016-4	4.971	4.875	5.075	545.640	500.000	9.1
Aroclor-1016-5	5.229	5.132	5.332	551.180	500.000	10.2
Aroclor-1260-1	6.269	6.172	6.372	518.480	500.000	3.7
Aroclor-1260-2	6.457	6.360	6.560	510.870	500.000	2.2
Aroclor-1260-3	6.825	6.729	6.929	503.660	500.000	0.7
Aroclor-1260-4	7.085	6.988	7.188	490.870	500.000	-1.8
Aroclor-1260-5	7.327	7.230	7.430	489.900	500.000	-2.0
Decachlorobiphenyl	8.728	8.632	8.832	45.530	50.000	-8.9
Tetrachloro-m-xylene	3.686	3.588	3.788	57.090	50.000	14.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/10/2025 04/10/2025

Client Sample No.: CCAL03 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PO110876.D Time Analyzed: 22:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.762	4.666	4.866	524.970	500.000	5.0
Aroclor-1016-2	4.781	4.684	4.884	531.970	500.000	6.4
Aroclor-1016-3	4.957	4.860	5.060	500.250	500.000	0.1
Aroclor-1016-4	4.998	4.902	5.102	481.510	500.000	-3.7
Aroclor-1016-5	5.211	5.115	5.315	505.850	500.000	1.2
Aroclor-1260-1	6.243	6.146	6.346	482.790	500.000	-3.4
Aroclor-1260-2	6.431	6.334	6.534	475.660	500.000	-4.9
Aroclor-1260-3	6.583	6.487	6.687	468.070	500.000	-6.4
Aroclor-1260-4	7.054	6.957	7.157	461.140	500.000	-7.8
Aroclor-1260-5	7.295	7.197	7.397	461.730	500.000	-7.7
Decachlorobiphenyl	8.680	8.584	8.784	44.710	50.000	-10.6
Tetrachloro-m-xylene	3.683	3.586	3.786	54.470	50.000	8.9

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 10:33 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 10:33 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071599.D Time Analyzed: 10:33

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.663	5.571	5.771	514.370	500.000	2.9
Aroclor-1016-2	5.685	5.593	5.793	504.710	500.000	0.9
Aroclor-1016-3	5.747	5.654	5.854	510.290	500.000	2.1
Aroclor-1016-4	5.844	5.752	5.952	520.150	500.000	4.0
Aroclor-1016-5	6.137	6.045	6.245	506.180	500.000	1.2
Aroclor-1260-1	7.256	7.165	7.365	529.010	500.000	5.8
Aroclor-1260-2	7.509	7.418	7.618	515.870	500.000	3.2
Aroclor-1260-3	7.868	7.777	7.977	531.680	500.000	6.3
Aroclor-1260-4	8.092	8.002	8.202	513.780	500.000	2.8
Aroclor-1260-5	8.412	8.322	8.522	529.980	500.000	6.0
Decachlorobiphenyl	10.225	10.137	10.337	54.140	50.000	8.3
Tetrachloro-m-xylene	4.510	4.417	4.617	50.740	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL04 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071599.D Time Analyzed: 10:33

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.892	4.798	4.998	525.310	500.000	5.1
Aroclor-1016-2	4.911	4.816	5.016	530.190	500.000	6.0
Aroclor-1016-3	5.088	4.993	5.193	543.770	500.000	8.8
Aroclor-1016-4	5.130	5.036	5.236	528.260	500.000	5.7
Aroclor-1016-5	5.344	5.250	5.450	571.750	500.000	14.4
Aroclor-1260-1	6.378	6.285	6.485	556.170	500.000	11.2
Aroclor-1260-2	6.566	6.473	6.673	550.380	500.000	10.1
Aroclor-1260-3	6.720	6.627	6.827	543.580	500.000	8.7
Aroclor-1260-4	7.190	7.098	7.298	548.770	500.000	9.8
Aroclor-1260-5	7.432	7.339	7.539	538.670	500.000	7.7
Decachlorobiphenyl	8.840	8.749	8.949	53.370	50.000	6.7
Tetrachloro-m-xylene	3.808	3.712	3.912	56.790	50.000	13.6

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:29 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.10	8.10	8.00	8.20	0.00
Aroclor-1260-5	(5)	8.42	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:29 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.35	5.35	5.25	5.45	0.00
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.44	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL06 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071614.D Time Analyzed: 16:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.665	5.571	5.771	519.380	500.000	3.9
Aroclor-1016-2	5.688	5.593	5.793	509.990	500.000	2.0
Aroclor-1016-3	5.750	5.654	5.854	509.200	500.000	1.8
Aroclor-1016-4	5.847	5.752	5.952	513.170	500.000	2.6
Aroclor-1016-5	6.140	6.045	6.245	520.600	500.000	4.1
Aroclor-1260-1	7.259	7.165	7.365	536.190	500.000	7.2
Aroclor-1260-2	7.512	7.418	7.618	518.580	500.000	3.7
Aroclor-1260-3	7.870	7.777	7.977	532.700	500.000	6.5
Aroclor-1260-4	8.095	8.002	8.202	515.410	500.000	3.1
Aroclor-1260-5	8.415	8.322	8.522	534.510	500.000	6.9
Decachlorobiphenyl	10.230	10.137	10.337	54.370	50.000	8.7
Tetrachloro-m-xylene	4.512	4.417	4.617	51.110	50.000	2.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL06 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071614.D Time Analyzed: 16:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.895	4.798	4.998	517.640	500.000	3.5
Aroclor-1016-2	4.914	4.816	5.016	516.230	500.000	3.2
Aroclor-1016-3	5.090	4.993	5.193	534.980	500.000	7.0
Aroclor-1016-4	5.132	5.036	5.236	540.310	500.000	8.1
Aroclor-1016-5	5.347	5.250	5.450	579.870	500.000	16.0
Aroclor-1260-1	6.381	6.285	6.485	542.610	500.000	8.5
Aroclor-1260-2	6.569	6.473	6.673	540.120	500.000	8.0
Aroclor-1260-3	6.722	6.627	6.827	523.900	500.000	4.8
Aroclor-1260-4	7.193	7.098	7.298	538.880	500.000	7.8
Aroclor-1260-5	7.435	7.339	7.539	527.470	500.000	5.5
Decachlorobiphenyl	8.844	8.749	8.949	54.370	50.000	8.7
Tetrachloro-m-xylene	3.810	3.712	3.912	50.630	50.000	1.3

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 21:55 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/29/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 21:55 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.35	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL07 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071629.D Time Analyzed: 21:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.665	5.571	5.771	532.730	500.000	6.5
Aroclor-1016-2	5.687	5.593	5.793	523.890	500.000	4.8
Aroclor-1016-3	5.749	5.654	5.854	524.180	500.000	4.8
Aroclor-1016-4	5.846	5.752	5.952	526.580	500.000	5.3
Aroclor-1016-5	6.139	6.045	6.245	533.550	500.000	6.7
Aroclor-1260-1	7.257	7.165	7.365	548.960	500.000	9.8
Aroclor-1260-2	7.511	7.418	7.618	534.240	500.000	6.8
Aroclor-1260-3	7.870	7.777	7.977	546.610	500.000	9.3
Aroclor-1260-4	8.094	8.002	8.202	533.340	500.000	6.7
Aroclor-1260-5	8.413	8.322	8.522	548.400	500.000	9.7
Decachlorobiphenyl	10.228	10.137	10.337	55.780	50.000	11.6
Tetrachloro-m-xylene	4.511	4.417	4.617	52.610	50.000	5.2

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL07 Date Analyzed: 04/29/2025

Lab Sample No.: AR1660CCC500 Data File : PP071629.D Time Analyzed: 21:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.893	4.798	4.998	544.770	500.000	9.0
Aroclor-1016-2	4.912	4.816	5.016	551.650	500.000	10.3
Aroclor-1016-3	5.089	4.993	5.193	561.570	500.000	12.3
Aroclor-1016-4	5.130	5.036	5.236	543.490	500.000	8.7
Aroclor-1016-5	5.345	5.250	5.450	582.730	500.000	16.5
Aroclor-1260-1	6.379	6.285	6.485	545.780	500.000	9.2
Aroclor-1260-2	6.568	6.473	6.673	539.920	500.000	8.0
Aroclor-1260-3	6.721	6.627	6.827	531.780	500.000	6.4
Aroclor-1260-4	7.192	7.098	7.298	525.410	500.000	5.1
Aroclor-1260-5	7.434	7.339	7.539	525.950	500.000	5.2
Decachlorobiphenyl	8.841	8.749	8.949	54.580	50.000	9.2
Tetrachloro-m-xylene	3.809	3.712	3.912	55.200	50.000	10.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/30/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 09:07 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/30/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 09:07 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL08 Date Analyzed: 04/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP071635.D Time Analyzed: 09:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.663	5.571	5.771	524.250	500.000	4.9
Aroclor-1016-2	5.685	5.593	5.793	518.980	500.000	3.8
Aroclor-1016-3	5.747	5.654	5.854	519.680	500.000	3.9
Aroclor-1016-4	5.845	5.752	5.952	520.190	500.000	4.0
Aroclor-1016-5	6.137	6.045	6.245	521.930	500.000	4.4
Aroclor-1260-1	7.257	7.165	7.365	512.460	500.000	2.5
Aroclor-1260-2	7.510	7.418	7.618	515.560	500.000	3.1
Aroclor-1260-3	7.869	7.777	7.977	540.890	500.000	8.2
Aroclor-1260-4	8.093	8.002	8.202	525.430	500.000	5.1
Aroclor-1260-5	8.413	8.322	8.522	539.350	500.000	7.9
Decachlorobiphenyl	10.227	10.137	10.337	55.640	50.000	11.3
Tetrachloro-m-xylene	4.510	4.417	4.617	52.180	50.000	4.4

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL08 Date Analyzed: 04/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP071635.D Time Analyzed: 09:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.893	4.798	4.998	504.250	500.000	0.9
Aroclor-1016-2	4.911	4.816	5.016	513.220	500.000	2.6
Aroclor-1016-3	5.088	4.993	5.193	524.120	500.000	4.8
Aroclor-1016-4	5.130	5.036	5.236	529.500	500.000	5.9
Aroclor-1016-5	5.344	5.250	5.450	521.420	500.000	4.3
Aroclor-1260-1	6.378	6.285	6.485	509.590	500.000	1.9
Aroclor-1260-2	6.567	6.473	6.673	513.540	500.000	2.7
Aroclor-1260-3	6.720	6.627	6.827	524.100	500.000	4.8
Aroclor-1260-4	7.191	7.098	7.298	525.010	500.000	5.0
Aroclor-1260-5	7.433	7.339	7.539	529.420	500.000	5.9
Decachlorobiphenyl	8.840	8.749	8.949	54.150	50.000	8.3
Tetrachloro-m-xylene	3.808	3.712	3.912	51.900	50.000	3.8

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/30/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:11 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.66	5.67	5.57	5.77	0.01
Aroclor-1016-2	(2)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.14	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.87	7.88	7.78	7.98	0.01
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.41	8.42	8.32	8.52	0.01
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.23	10.24	10.14	10.34	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Continuing Calib Date: 04/30/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 16:11 Initial Calibration Time(s): 10:29 17:49

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.89	4.90	4.80	5.00	0.01
Aroclor-1016-2	(2)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-3	(3)	5.09	5.09	4.99	5.19	0.00
Aroclor-1016-4	(4)	5.13	5.14	5.04	5.24	0.01
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.38	6.39	6.29	6.49	0.01
Aroclor-1260-2	(2)	6.57	6.57	6.47	6.67	0.00
Aroclor-1260-3	(3)	6.72	6.73	6.63	6.83	0.01
Aroclor-1260-4	(4)	7.19	7.20	7.10	7.30	0.01
Aroclor-1260-5	(5)	7.43	7.44	7.34	7.54	0.01
Tetrachloro-m-xylene		3.81	3.81	3.71	3.91	0.00
Decachlorobiphenyl		8.84	8.85	8.75	8.95	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL09 Date Analyzed: 04/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP071650.D Time Analyzed: 16:11

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.662	5.571	5.771	520.080	500.000	4.0
Aroclor-1016-2	5.683	5.593	5.793	514.850	500.000	3.0
Aroclor-1016-3	5.746	5.654	5.854	510.100	500.000	2.0
Aroclor-1016-4	5.843	5.752	5.952	517.690	500.000	3.5
Aroclor-1016-5	6.136	6.045	6.245	518.100	500.000	3.6
Aroclor-1260-1	7.255	7.165	7.365	514.390	500.000	2.9
Aroclor-1260-2	7.508	7.418	7.618	505.470	500.000	1.1
Aroclor-1260-3	7.867	7.777	7.977	530.650	500.000	6.1
Aroclor-1260-4	8.092	8.002	8.202	517.190	500.000	3.4
Aroclor-1260-5	8.411	8.322	8.522	531.830	500.000	6.4
Decachlorobiphenyl	10.225	10.137	10.337	54.080	50.000	8.2
Tetrachloro-m-xylene	4.509	4.417	4.617	51.770	50.000	3.5

CALIBRATION VERIFICATION SUMMARY

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/22/2025 04/22/2025

Client Sample No.: CCAL09 Date Analyzed: 04/30/2025

Lab Sample No.: AR1660CCC500 Data File : PP071650.D Time Analyzed: 16:11

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.893	4.798	4.998	547.990	500.000	9.6
Aroclor-1016-2	4.911	4.816	5.016	546.060	500.000	9.2
Aroclor-1016-3	5.088	4.993	5.193	558.800	500.000	11.8
Aroclor-1016-4	5.130	5.036	5.236	557.840	500.000	11.6
Aroclor-1016-5	5.344	5.250	5.450	553.040	500.000	10.6
Aroclor-1260-1	6.379	6.285	6.485	543.610	500.000	8.7
Aroclor-1260-2	6.567	6.473	6.673	540.470	500.000	8.1
Aroclor-1260-3	6.720	6.627	6.827	543.100	500.000	8.6
Aroclor-1260-4	7.191	7.098	7.298	539.760	500.000	8.0
Aroclor-1260-5	7.433	7.339	7.539	541.090	500.000	8.2
Decachlorobiphenyl	8.840	8.749	8.949	54.550	50.000	9.1
Tetrachloro-m-xylene	3.808	3.712	3.912	55.400	50.000	10.8

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1901	
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 04/10/2025 04/10/2025

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	04/10/2025	09:17	PO110348.D	8.73	3.69
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.73	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.73	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.73	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.73	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.73	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.73	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.73	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.73	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.73	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.73	3.69
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.73	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.73	3.69
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.73	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.73	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.73	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.73	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.73	3.69
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.73	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.73	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.73	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.73	3.69
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.73	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.73	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.73	3.69
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.73	3.69
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.73	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.73	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	09:24	PO110846.D	8.73	3.69
IBLK	IBLK	04/29/2025	10:40	PO110850.D	8.73	3.69
B-170-SB02	Q1901-05	04/29/2025	13:36	PO110856.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	15:58	PO110861.D	8.73	3.69
IBLK	IBLK	04/29/2025	17:29	PO110865.D	8.73	3.69
VNJ-210MS	Q1904-01MS	04/29/2025	18:05	PO110867.D	8.73	3.68
VNJ-210MSD	Q1904-01MSD	04/29/2025	18:23	PO110868.D	8.73	3.69
FB04262025	Q1901-06	04/29/2025	20:14	PO110874.D	8.73	3.69
AR1660CCC500	AR1660CCC500	04/29/2025	22:00	PO110876.D	8.73	3.69
IBLK	IBLK	04/29/2025	23:31	PO110880.D	8.73	3.69
IBLK	IBLK	04/22/2025	10:13	PP071388.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	10.23	4.51
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	10.23	4.51

Analytical Sequence

AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	10.24	4.52
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	10.23	4.51
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	10.24	4.52
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	10.23	4.51
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	10.23	4.51
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	10.24	4.52
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	10.24	4.51
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	10.23	4.51
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	10.24	4.52
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	10.24	4.52
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	10.24	4.52
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	10.24	4.51
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	10.24	4.51
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	10.24	4.51
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	10.24	4.52
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	10.24	4.52
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	10.24	4.52
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	10.23	4.51
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	10.24	4.51
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	10.24	4.52
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	10.24	4.51
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	10.23	4.52
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	10.24	4.52
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	10.24	4.52
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	10.24	4.51
AR1660CCC500	AR1660CCC500	04/29/2025	10:33	PP071599.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	11:40	PP071603.D	10.23	4.51
PB167776BL	PB167776BL	04/29/2025	13:30	PP071607.D	10.23	4.51
PB167776BS	PB167776BS	04/29/2025	13:46	PP071608.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/29/2025	16:29	PP071614.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	17:51	PP071618.D	10.23	4.51
B-167-SB01	Q1901-02	04/29/2025	18:56	PP071622.D	10.23	4.51
B-167-SB02	Q1901-04	04/29/2025	19:12	PP071623.D	10.23	4.52
PB167782BL	PB167782BL	04/29/2025	19:29	PP071624.D	10.23	4.51
PB167782BS	PB167782BS	04/29/2025	19:45	PP071625.D	10.23	4.51
PB167782BSD	PB167782BSD	04/29/2025	20:01	PP071626.D	10.24	4.52
AR1660CCC500	AR1660CCC500	04/29/2025	21:55	PP071629.D	10.23	4.51
I.BLK	I.BLK	04/29/2025	23:17	PP071633.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/30/2025	09:07	PP071635.D	10.23	4.51
I.BLK	I.BLK	04/30/2025	10:17	PP071639.D	10.22	4.51
PB167794BL	PB167794BL	04/30/2025	12:39	PP071641.D	10.23	4.51
PB167794BS	PB167794BS	04/30/2025	12:56	PP071642.D	10.23	4.51
B-170-SB01	Q1901-03	04/30/2025	13:12	PP071643.D	10.23	4.51
MOO-25-0123-27MS	Q1910-01MS	04/30/2025	14:49	PP071648.D	10.23	4.51
MOO-25-0123-27MSD	Q1910-01MSD	04/30/2025	15:05	PP071649.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/30/2025	16:11	PP071650.D	10.23	4.51
I.BLK	I.BLK	04/30/2025	17:16	PP071654.D	10.23	4.51

Analytical Sequence

Client: Portal Partners Tri-Venture	SDG No.: Q1901
Project: Amtrak Sawtooth Bridges 2025	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 04/10/2025 04/10/2025

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	04/10/2025	09:17	PO110348.D	8.68	3.68
AR1660ICC1000	AR1660ICC1000	04/10/2025	09:36	PO110349.D	8.69	3.69
AR1660ICC750	AR1660ICC750	04/10/2025	09:54	PO110350.D	8.69	3.69
AR1660ICC500	AR1660ICC500	04/10/2025	10:13	PO110351.D	8.68	3.69
AR1660ICC250	AR1660ICC250	04/10/2025	10:31	PO110352.D	8.68	3.69
AR1660ICC050	AR1660ICC050	04/10/2025	10:49	PO110353.D	8.68	3.69
AR1221ICC500	AR1221ICC500	04/10/2025	11:08	PO110354.D	8.68	3.69
AR1232ICC500	AR1232ICC500	04/10/2025	11:26	PO110355.D	8.68	3.69
AR1242ICC1000	AR1242ICC1000	04/10/2025	11:44	PO110356.D	8.68	3.69
AR1242ICC750	AR1242ICC750	04/10/2025	12:03	PO110357.D	8.68	3.69
AR1242ICC500	AR1242ICC500	04/10/2025	12:21	PO110358.D	8.68	3.68
AR1242ICC250	AR1242ICC250	04/10/2025	12:39	PO110359.D	8.68	3.69
AR1242ICC050	AR1242ICC050	04/10/2025	12:58	PO110360.D	8.68	3.68
AR1248ICC1000	AR1248ICC1000	04/10/2025	13:16	PO110361.D	8.68	3.69
AR1248ICC750	AR1248ICC750	04/10/2025	13:35	PO110362.D	8.69	3.69
AR1248ICC500	AR1248ICC500	04/10/2025	13:53	PO110363.D	8.69	3.69
AR1248ICC250	AR1248ICC250	04/10/2025	14:11	PO110364.D	8.68	3.69
AR1248ICC050	AR1248ICC050	04/10/2025	14:30	PO110365.D	8.68	3.68
AR1254ICC1000	AR1254ICC1000	04/10/2025	14:48	PO110366.D	8.68	3.69
AR1254ICC750	AR1254ICC750	04/10/2025	15:06	PO110367.D	8.68	3.69
AR1254ICC500	AR1254ICC500	04/10/2025	15:25	PO110368.D	8.68	3.69
AR1254ICC250	AR1254ICC250	04/10/2025	15:43	PO110369.D	8.68	3.68
AR1254ICC050	AR1254ICC050	04/10/2025	16:02	PO110370.D	8.68	3.69
AR1262ICC500	AR1262ICC500	04/10/2025	16:20	PO110371.D	8.68	3.69
AR1268ICC1000	AR1268ICC1000	04/10/2025	16:38	PO110372.D	8.68	3.68
AR1268ICC750	AR1268ICC750	04/10/2025	16:57	PO110373.D	8.68	3.68
AR1268ICC500	AR1268ICC500	04/10/2025	17:15	PO110374.D	8.68	3.69
AR1268ICC250	AR1268ICC250	04/10/2025	17:33	PO110375.D	8.68	3.69
AR1268ICC050	AR1268ICC050	04/10/2025	17:52	PO110376.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	09:24	PO110846.D	8.68	3.68
IBLK	IBLK	04/29/2025	10:40	PO110850.D	8.68	3.68
B-170-SB02	Q1901-05	04/29/2025	13:36	PO110856.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	15:58	PO110861.D	8.68	3.68
IBLK	IBLK	04/29/2025	17:29	PO110865.D	8.68	3.68
VNJ-210MS	Q1904-01MS	04/29/2025	18:05	PO110867.D	8.68	3.68
VNJ-210MSD	Q1904-01MSD	04/29/2025	18:23	PO110868.D	8.68	3.68
FB04262025	Q1901-06	04/29/2025	20:14	PO110874.D	8.68	3.68
AR1660CCC500	AR1660CCC500	04/29/2025	22:00	PO110876.D	8.68	3.68
IBLK	IBLK	04/29/2025	23:31	PO110880.D	8.68	3.68
IBLK	IBLK	04/22/2025	10:13	PP071388.D	8.85	3.81
AR1660ICC1000	AR1660ICC1000	04/22/2025	10:29	PP071389.D	8.85	3.81
AR1660ICC750	AR1660ICC750	04/22/2025	10:45	PP071390.D	8.85	3.81

Analytical Sequence

AR1660ICC500	AR1660ICC500	04/22/2025	11:02	PP071391.D	8.85	3.81
AR1660ICC250	AR1660ICC250	04/22/2025	11:18	PP071392.D	8.85	3.81
AR1660ICC050	AR1660ICC050	04/22/2025	11:34	PP071393.D	8.85	3.81
AR1221ICC500	AR1221ICC500	04/22/2025	11:51	PP071394.D	8.85	3.81
AR1232ICC500	AR1232ICC500	04/22/2025	12:07	PP071395.D	8.85	3.81
AR1242ICC1000	AR1242ICC1000	04/22/2025	12:23	PP071396.D	8.85	3.81
AR1242ICC750	AR1242ICC750	04/22/2025	12:39	PP071397.D	8.85	3.81
AR1242ICC500	AR1242ICC500	04/22/2025	12:56	PP071398.D	8.85	3.81
AR1242ICC250	AR1242ICC250	04/22/2025	13:12	PP071399.D	8.85	3.81
AR1242ICC050	AR1242ICC050	04/22/2025	13:28	PP071400.D	8.85	3.81
AR1248ICC1000	AR1248ICC1000	04/22/2025	13:45	PP071401.D	8.85	3.81
AR1248ICC750	AR1248ICC750	04/22/2025	14:01	PP071402.D	8.85	3.81
AR1248ICC500	AR1248ICC500	04/22/2025	14:17	PP071403.D	8.85	3.81
AR1248ICC250	AR1248ICC250	04/22/2025	14:33	PP071404.D	8.85	3.81
AR1248ICC050	AR1248ICC050	04/22/2025	14:50	PP071405.D	8.85	3.81
AR1254ICC1000	AR1254ICC1000	04/22/2025	15:06	PP071406.D	8.85	3.81
AR1254ICC750	AR1254ICC750	04/22/2025	15:22	PP071407.D	8.85	3.81
AR1254ICC500	AR1254ICC500	04/22/2025	15:38	PP071408.D	8.85	3.81
AR1254ICC250	AR1254ICC250	04/22/2025	15:55	PP071409.D	8.85	3.81
AR1254ICC050	AR1254ICC050	04/22/2025	16:11	PP071410.D	8.85	3.81
AR1262ICC500	AR1262ICC500	04/22/2025	16:27	PP071411.D	8.85	3.81
AR1268ICC1000	AR1268ICC1000	04/22/2025	16:44	PP071412.D	8.85	3.81
AR1268ICC750	AR1268ICC750	04/22/2025	17:00	PP071413.D	8.85	3.81
AR1268ICC500	AR1268ICC500	04/22/2025	17:16	PP071414.D	8.85	3.81
AR1268ICC250	AR1268ICC250	04/22/2025	17:33	PP071415.D	8.85	3.81
AR1268ICC050	AR1268ICC050	04/22/2025	17:49	PP071416.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	10:33	PP071599.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	11:40	PP071603.D	8.84	3.81
PB167776BL	PB167776BL	04/29/2025	13:30	PP071607.D	8.84	3.81
PB167776BS	PB167776BS	04/29/2025	13:46	PP071608.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	16:29	PP071614.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	17:51	PP071618.D	8.84	3.81
B-167-SB01	Q1901-02	04/29/2025	18:56	PP071622.D	8.84	3.81
B-167-SB02	Q1901-04	04/29/2025	19:12	PP071623.D	8.84	3.81
PB167782BL	PB167782BL	04/29/2025	19:29	PP071624.D	8.84	3.81
PB167782BS	PB167782BS	04/29/2025	19:45	PP071625.D	8.84	3.81
PB167782BSD	PB167782BSD	04/29/2025	20:01	PP071626.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/29/2025	21:55	PP071629.D	8.84	3.81
I.BLK	I.BLK	04/29/2025	23:17	PP071633.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/30/2025	09:07	PP071635.D	8.84	3.81
I.BLK	I.BLK	04/30/2025	10:17	PP071639.D	8.84	3.81
PB167794BL	PB167794BL	04/30/2025	12:39	PP071641.D	8.84	3.81
PB167794BS	PB167794BS	04/30/2025	12:56	PP071642.D	8.84	3.81
B-170-SB01	Q1901-03	04/30/2025	13:12	PP071643.D	8.84	3.81
MOO-25-0123-27MS	Q1910-01MS	04/30/2025	14:49	PP071648.D	8.84	3.81
MOO-25-0123-27MSD	Q1910-01MSD	04/30/2025	15:05	PP071649.D	8.84	3.81
AR1660CCC500	AR1660CCC500	04/30/2025	16:11	PP071650.D	8.84	3.81
I.BLK	I.BLK	04/30/2025	17:16	PP071654.D	8.84	3.81

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-210MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: Q1904-01MS Date(s) Analyzed: 04/29/2025 04/29/2025

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO110867.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.774	4.724	4.824	205	201	7.75
COLUMN 1	2	4.793	4.743	4.843	206		
	3	4.85	4.8	4.9	201		
	4	4.97	4.92	5.02	204		
	5	5.227	5.177	5.277	187		
	1	4.762	4.712	4.812	201		
COLUMN 2	2	4.781	4.731	4.831	195	186	
	3	4.956	4.906	5.006	185		
	4	4.998	4.948	5.048	179		
	5	5.21	5.16	5.26	169		
Aroclor-1260	1	6.267	6.217	6.317	216	187	5.49
COLUMN 1	2	6.456	6.406	6.506	195		
	3	6.823	6.773	6.873	166		
	4	7.083	7.033	7.133	182		
	5	7.326	7.276	7.376	173		
	1	6.242	6.192	6.292	201		
COLUMN 2	2	6.429	6.379	6.479	176	177	
	3	6.582	6.532	6.632	181		
	4	7.053	7.003	7.103	165		
	5	7.295	7.245	7.345	161		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

VNJ-210MSD

Contract: PORT06

Lab Code: CHEM

Case No.: Q1901

SAS No.: Q1901

SDG NO.: Q1901

Lab Sample ID: Q1904-01MSD

Date(s) Analyzed: 04/29/2025

04/29/2025

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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

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

Data file PO110868.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.776	4.726	4.826	206	199	7.83
COLUMN 1	2	4.795	4.745	4.845	203		
	3	4.851	4.801	4.901	202		
	4	4.971	4.921	5.021	202		
	5	5.229	5.179	5.279	184		
	1	4.762	4.712	4.812	198		
COLUMN 2	2	4.781	4.731	4.831	194	184	
	3	4.957	4.907	5.007	183		
	4	4.999	4.949	5.049	174		
	5	5.211	5.161	5.261	169		
Aroclor-1260	1	6.268	6.218	6.318	214	183	5.04
COLUMN 1	2	6.458	6.408	6.508	192		
	3	6.825	6.775	6.875	163		
	4	7.085	7.035	7.135	177		
	5	7.327	7.277	7.377	169		
	1	6.242	6.192	6.292	196		
COLUMN 2	2	6.43	6.38	6.48	172	174	
	3	6.583	6.533	6.633	180		
	4	7.053	7.003	7.103	162		
	5	7.294	7.244	7.344	157		



SAMPLE NO.

Contract: PORT06

Lab Code: CHEM

Case No.: Q1901

SAS No. : Q1901

SDG NO. : Q1901

Lab Sample ID: PB167776BS

Date(s) Analyzed: 04/29/2025

04/29/2025

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 PP071608.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.667	5.617	5.717	143	144	8
COLUMN 1	2	5.689	5.639	5.739	147		
	3	5.752	5.702	5.802	143		
	4	5.849	5.799	5.899	147		
	5	6.141	6.091	6.191	141		
	1	4.894	4.844	4.944	154		
COLUMN 2	2	4.912	4.862	4.962	158	156	
	3	5.09	5.04	5.14	158		
	4	5.131	5.081	5.181	156		
	5	5.345	5.295	5.395	154		
Aroclor-1260	1	7.26	7.21	7.31	150	143	9.33
COLUMN 1	2	7.513	7.463	7.563	151		
	3	7.872	7.822	7.922	133		
	4	8.097	8.047	8.147	140		
	5	8.416	8.366	8.466	140		
	1	6.38	6.33	6.43	165		
COLUMN 2	2	6.569	6.519	6.619	165	157	
	3	6.721	6.671	6.771	166		
	4	7.192	7.142	7.242	146		
	5	7.434	7.384	7.484	142		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167782BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q1901

SAS No.: Q1901

SDG NO.: Q1901

Lab Sample ID: PB167782BS

Date(s) Analyzed: 04/29/2025

04/29/2025

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 PP071625.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.666	5.616	5.716	4.22	4.20	0
COLUMN 1	2	5.688	5.638	5.738	4.26		
	3	5.75	5.7	5.8	4.19		
	4	5.847	5.797	5.897	4.22		
	5	6.141	6.091	6.191	4.09		
	1	4.895	4.845	4.945	4.10		
COLUMN 2	2	4.913	4.863	4.963	4.18	4.20	
	3	5.09	5.04	5.14	4.22		
	4	5.132	5.082	5.182	4.20		
	5	5.346	5.296	5.396	4.27		
Aroclor-1260	1	7.259	7.209	7.309	4.33	4.10	11.49
COLUMN 1	2	7.512	7.462	7.562	4.39		
	3	7.872	7.822	7.922	3.88		
	4	8.096	8.046	8.146	4.07		
	5	8.416	8.366	8.466	4.01		
	1	6.38	6.33	6.43	4.77	4.60	
COLUMN 2	2	6.569	6.519	6.619	4.78		
	3	6.721	6.671	6.771	4.83		
	4	7.193	7.143	7.243	4.30		
	5	7.434	7.384	7.484	4.23		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167782BSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: PB167782BSD Date(s) Analyzed: 04/29/2025 04/29/2025

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 PP071626.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.668	5.618	5.718	4.33	4.30	2.3
COLUMN 1	2	5.69	5.64	5.74	4.33		
	3	5.752	5.702	5.802	4.29		
	4	5.849	5.799	5.899	4.32		
	5	6.142	6.092	6.192	4.15		
	1	4.896	4.846	4.946	4.41		
COLUMN 2	2	4.914	4.864	4.964	4.40	4.40	
	3	5.091	5.041	5.141	4.47		
	4	5.133	5.083	5.183	4.41		
	5	5.347	5.297	5.397	4.30		
Aroclor-1260	1	7.262	7.212	7.312	4.40	4.20	0
COLUMN 1	2	7.516	7.466	7.566	4.45		
	3	7.874	7.824	7.924	3.95		
	4	8.098	8.048	8.148	4.18		
	5	8.419	8.369	8.469	4.10		
	1	6.381	6.331	6.431	4.38		
COLUMN 2	2	6.57	6.52	6.62	4.35	4.20	
	3	6.723	6.673	6.773	4.43		
	4	7.194	7.144	7.244	3.97		
	5	7.436	7.386	7.486	3.93		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167794BS

Contract: PORT06

Lab Code: CHEM

Case No.: Q1901

SAS No.: Q1901

SDG NO.: Q1901

Lab Sample ID: PB167794BS

Date(s) Analyzed: 04/30/2025

04/30/2025

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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

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

Data file PP071642.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.665	5.615	5.715	149	148	1.34
COLUMN 1	2	5.687	5.637	5.737	149		
	3	5.749	5.699	5.799	149		
	4	5.846	5.796	5.896	150		
	5	6.139	6.089	6.189	143		
	1	4.892	4.842	4.942	147		
COLUMN 2	2	4.911	4.861	4.961	149	150	
	3	5.088	5.038	5.138	153		
	4	5.129	5.079	5.179	152		
	5	5.344	5.294	5.394	150		
Aroclor-1260	1	7.258	7.208	7.308	151	144	6.06
COLUMN 1	2	7.512	7.462	7.562	154		
	3	7.87	7.82	7.92	134		
	4	8.095	8.045	8.145	140		
	5	8.415	8.365	8.465	141		
	1	6.378	6.328	6.428	161	153	
COLUMN 2	2	6.567	6.517	6.617	160		
	3	6.719	6.669	6.769	160		
	4	7.191	7.141	7.241	143		
	5	7.432	7.382	7.482	140		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MOO-25-0123-27MS

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: Q1910-01MS Date(s) Analyzed: 04/30/2025 04/30/2025

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

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

Data file PP071648.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.665	5.615	5.715	151	166	10.13
COLUMN 1	2	5.688	5.638	5.738	152		
	3	5.749	5.699	5.799	146		
	4	5.844	5.794	5.894	243		
	5	6.139	6.089	6.189	136		
	1	4.892	4.842	4.942	157		
COLUMN 2	2	4.911	4.861	4.961	159	150	
	3	5.087	5.037	5.137	132		
	4	5.129	5.079	5.179	138		
	5	5.343	5.293	5.393	164		
Aroclor-1260	1	7.258	7.208	7.308	181	206	16.27
COLUMN 1	2	7.512	7.462	7.562	394		
	3	7.87	7.82	7.92	149		
	4	8.094	8.044	8.144	155		
	5	8.414	8.364	8.464	148		
	1	6.378	6.328	6.428	173	175	
COLUMN 2	2	6.566	6.516	6.616	178		
	3	6.719	6.669	6.769	191		
	4	7.19	7.14	7.24	176		
	5	7.432	7.382	7.482	155		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MOO-25-0123-27MSD

Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG NO.: Q1901

Lab Sample ID: Q1910-01MSD Date(s) Analyzed: 04/30/2025 04/30/2025

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

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

Data file PP071649.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.663	5.613	5.713	145	171	22.08
COLUMN 1	2	5.685	5.635	5.735	145		
	3	5.747	5.697	5.797	139		
	4	5.84	5.79	5.89	269		
	5	6.135	6.085	6.185	156		
	1	4.894	4.844	4.944	143		
COLUMN 2	2	4.912	4.862	4.962	149	137	
	3	5.089	5.039	5.139	118		
	4	5.131	5.081	5.181	130		
	5	5.345	5.295	5.395	147		
Aroclor-1260	1	7.256	7.206	7.306	201	231	25.92
COLUMN 1	2	7.51	7.46	7.56	490		
	3	7.868	7.818	7.918	155		
	4	8.091	8.041	8.141	154		
	5	8.413	8.363	8.463	153		
	1	6.379	6.329	6.429	171	178	
COLUMN 2	2	6.568	6.518	6.618	179		
	3	6.721	6.671	6.771	191		
	4	7.192	7.142	7.242	188		
	5	7.434	7.384	7.484	159		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
 Data File : PP071622.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 18:56
 Operator : YP\AJ
 Sample : Q1901-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-167-SB01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 04/30/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 02:28:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.510	3.810	41899630	32874432	21.133m	23.338
2) SA Decachlor...	10.228	8.843	29611632	18791478	20.450	21.426

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071622.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 18:56
Operator : YP\AJ
Sample : Q1901-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-167-SB01

Manual Integrations

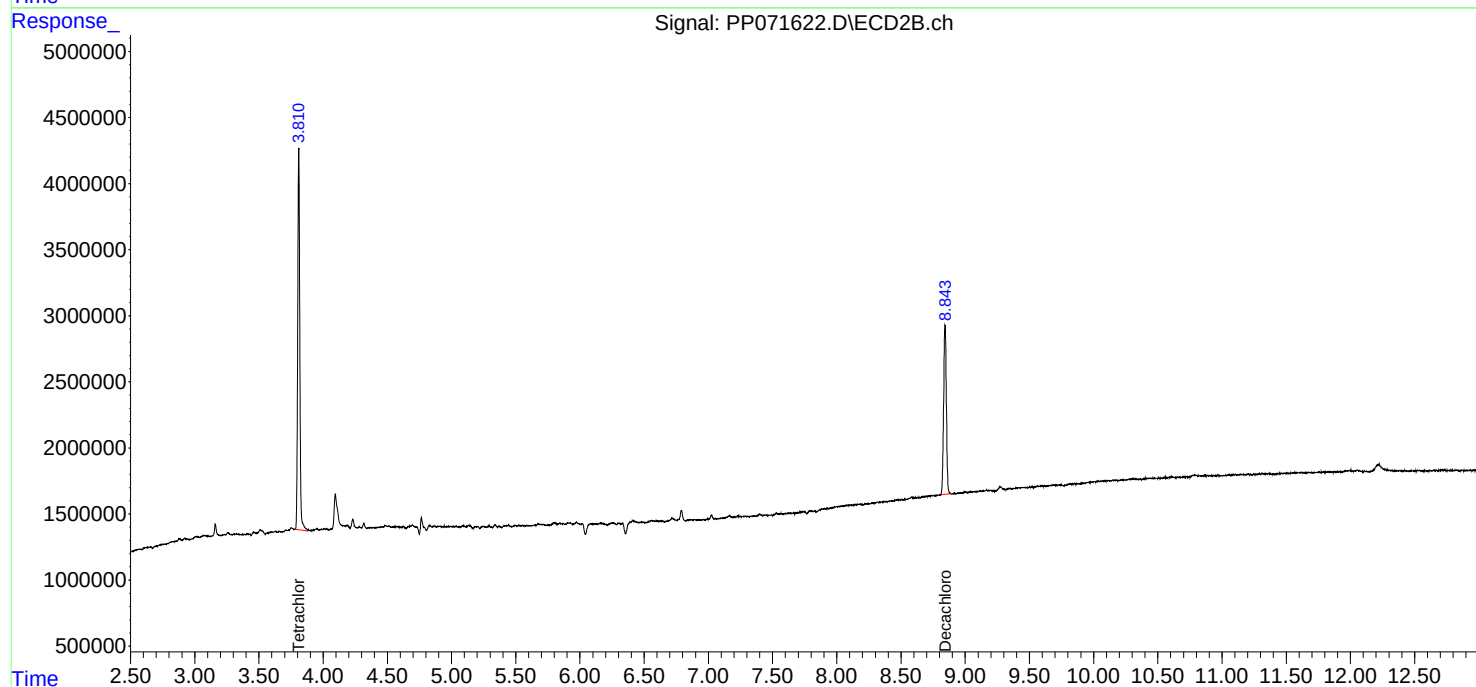
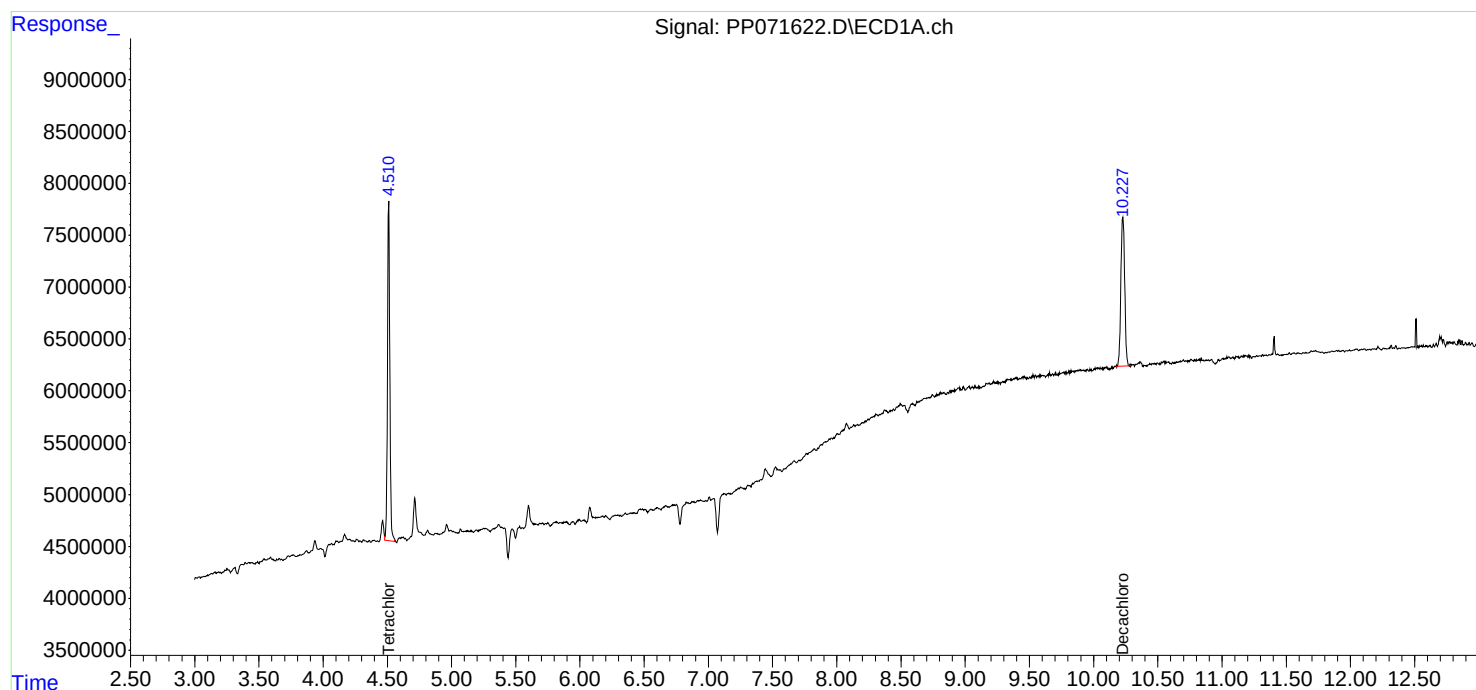
APPROVED

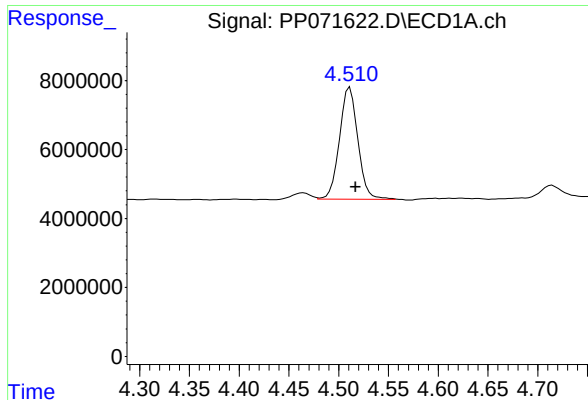
Reviewed By :Yogesh Patel 04/30/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:28:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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





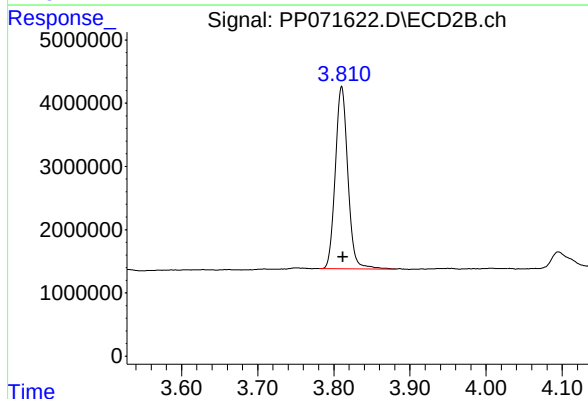
#1 Tetrachloro-m-xylene

R.T.: 4.510 min
Delta R.T.: -0.007 min
Response: 41899630
Conc: 21.13 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-167-SB01

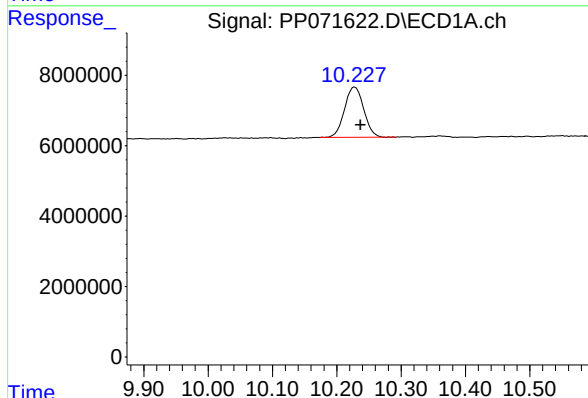
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 04/30/2025
Supervised By :mohammad ahmed 05/02/2025



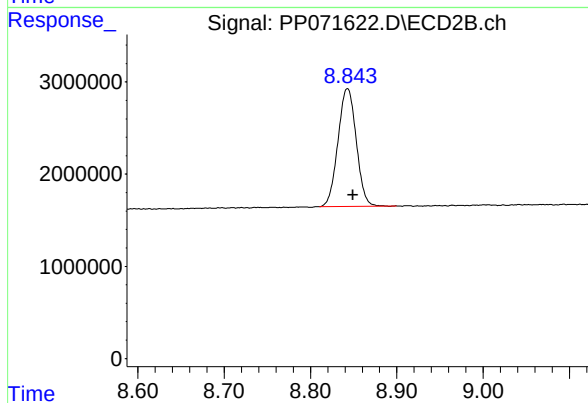
#1 Tetrachloro-m-xylene

R.T.: 3.810 min
Delta R.T.: -0.002 min
Response: 32874432
Conc: 23.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.228 min
Delta R.T.: -0.009 min
Response: 29611632
Conc: 20.45 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.843 min
Delta R.T.: -0.006 min
Response: 18791478
Conc: 21.43 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
 Data File : PP071643.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 13:12
 Operator : YP\AJ
 Sample : Q1901-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-170-SB01

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/01/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 13:39:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.511	3.808	34910594	28602757	17.608m	20.305
2) SA Decachlor...	10.229	8.840	22584558	15464618	15.597	17.632

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
Data File : PP071643.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 13:12
Operator : YP\AJ
Sample : Q1901-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

B-170-SB01

Manual Integrations

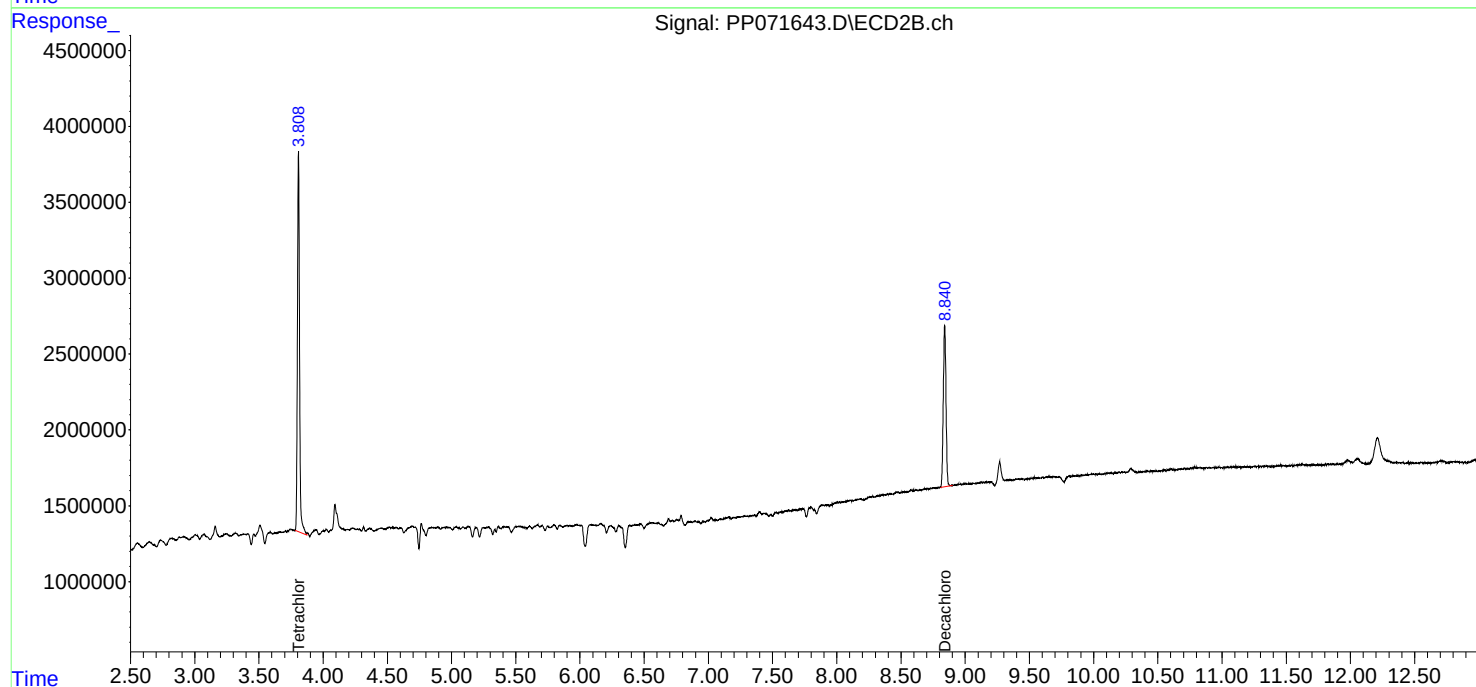
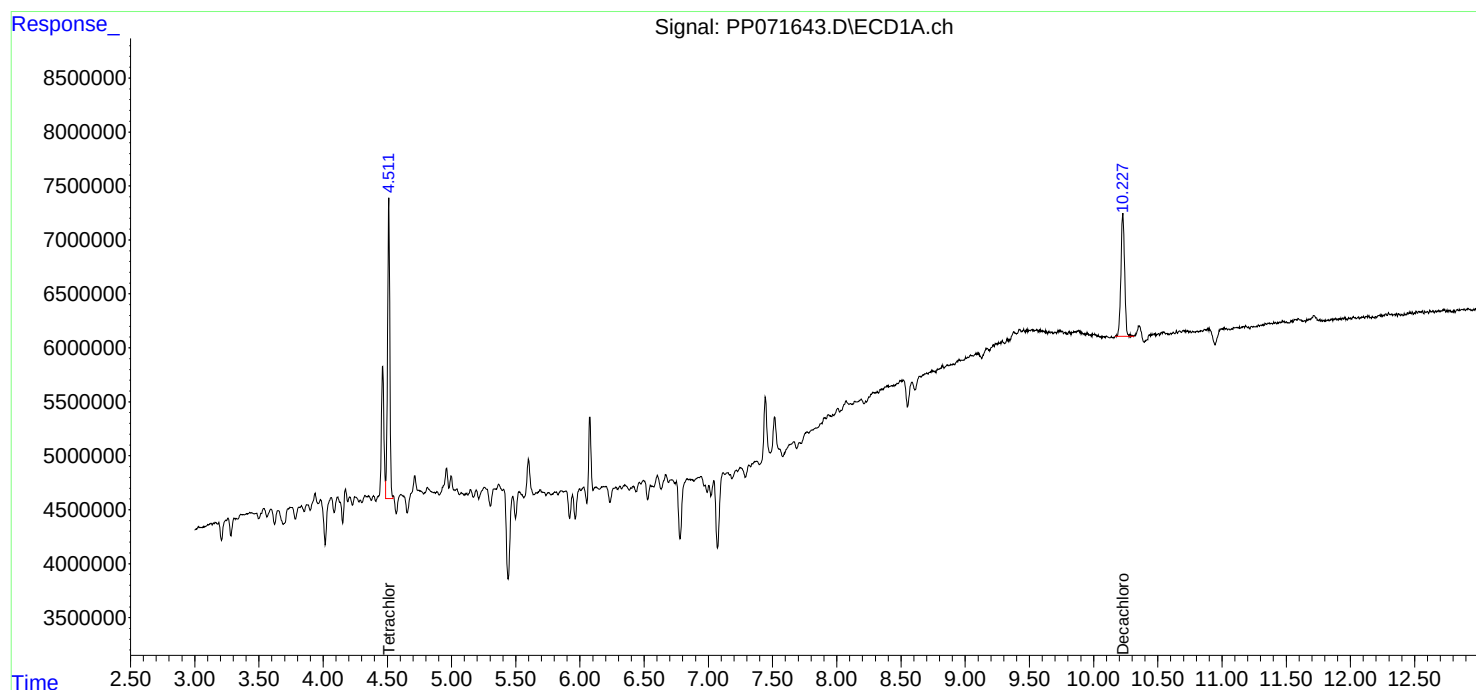
APPROVED

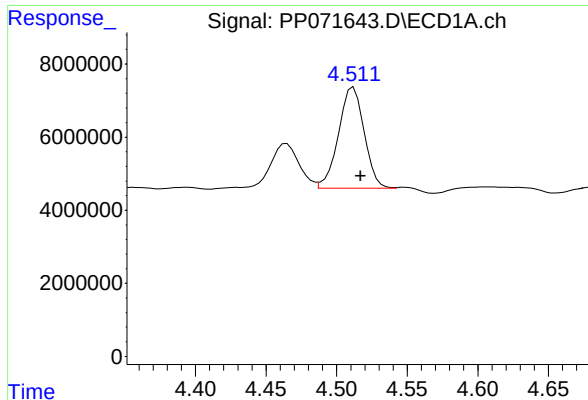
Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 13:39:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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





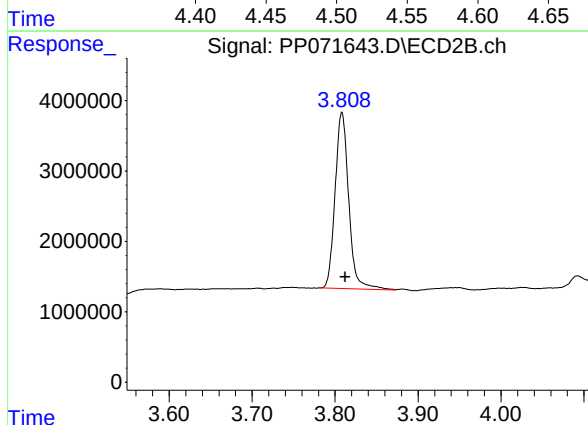
#1 Tetrachloro-m-xylene

R.T.: 4.511 min
Delta R.T.: -0.006 min
Response: 34910594
Conc: 17.61 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-170-SB01

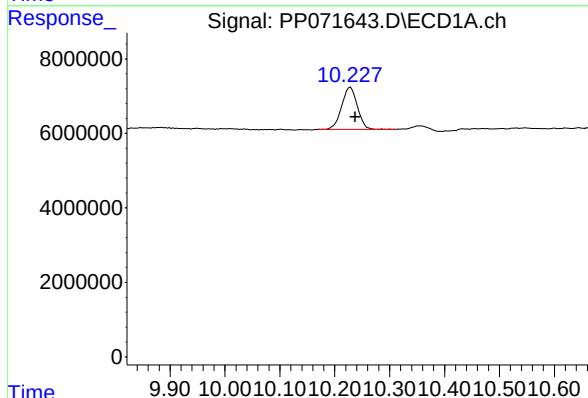
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/01/2025
Supervised By :mohammad ahmed 05/02/2025



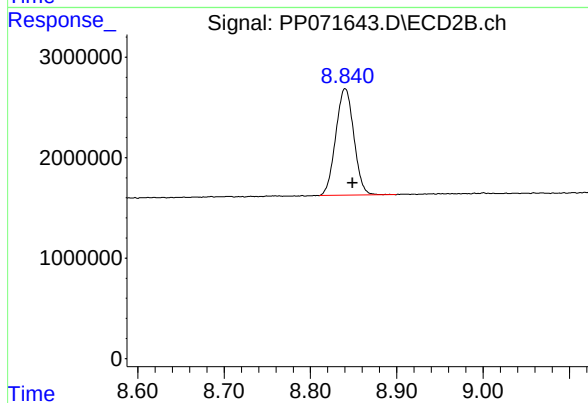
#1 Tetrachloro-m-xylene

R.T.: 3.808 min
Delta R.T.: -0.004 min
Response: 28602757
Conc: 20.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: -0.009 min
Response: 22584558
Conc: 15.60 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.840 min
Delta R.T.: -0.009 min
Response: 15464618
Conc: 17.63 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
 Data File : PP071623.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 19:12
 Operator : YP\AJ
 Sample : Q1901-04
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 B-167-SB02

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: Apr 30 02:28:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.515	3.811	35135762	28243413	17.722	20.050
2) SA Decachlor...	10.233	8.844	17830115	11812856	12.314	13.469

Target Compounds

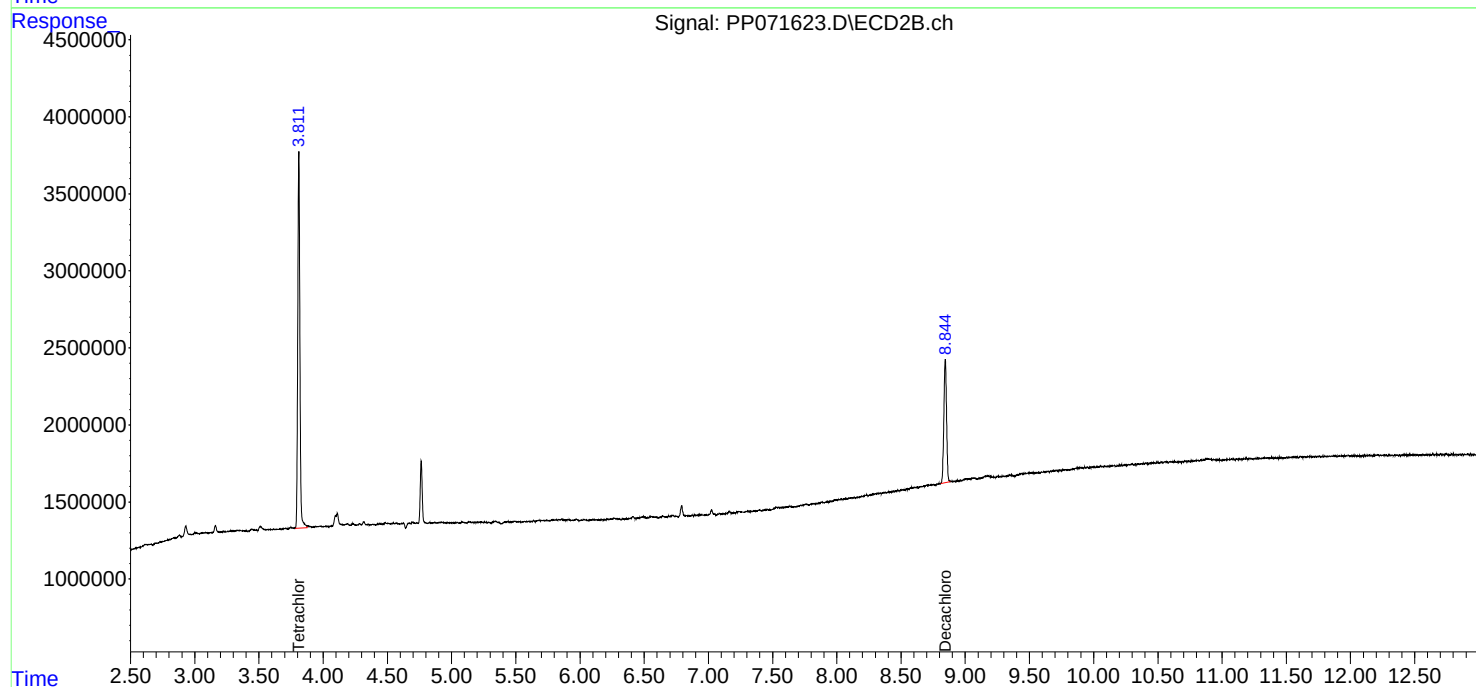
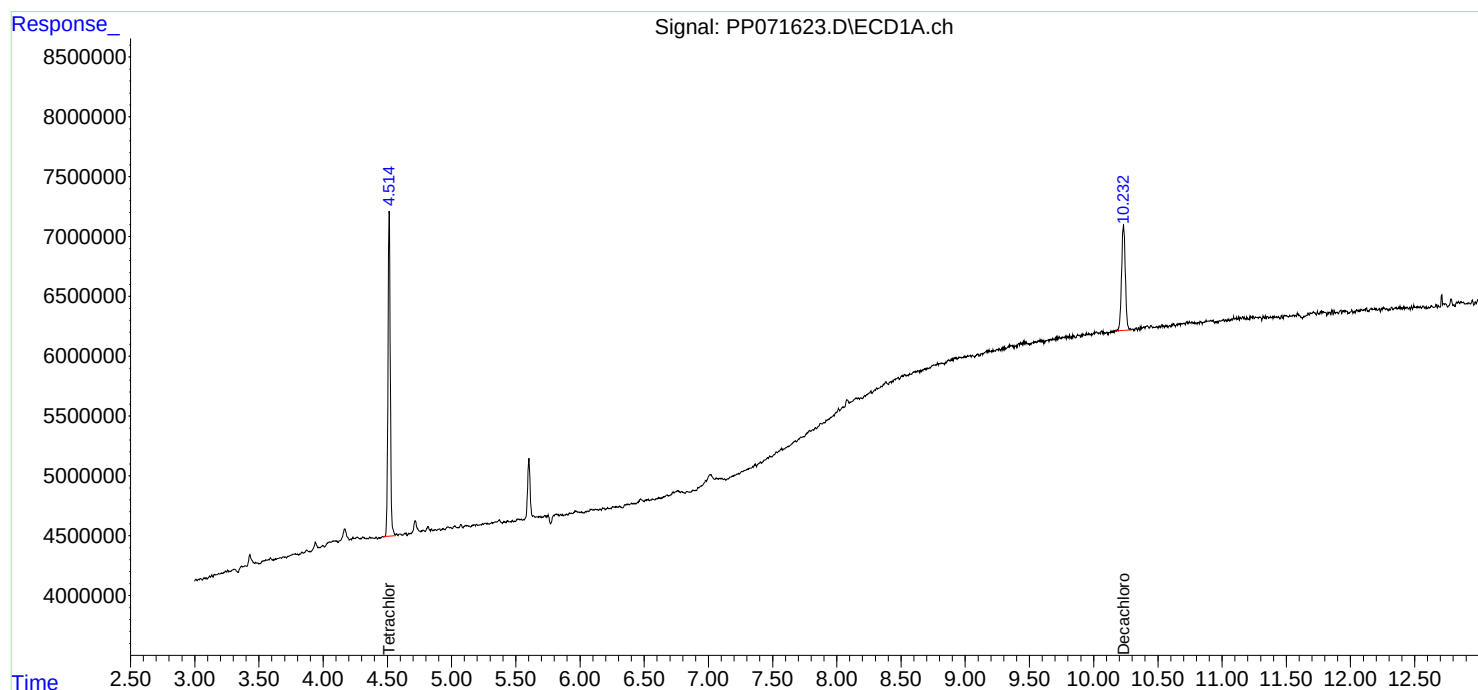
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

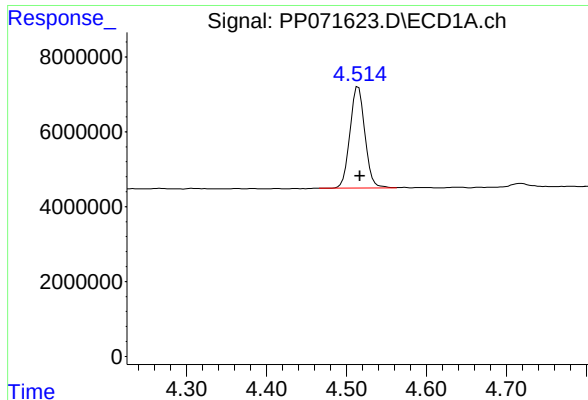
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071623.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:12
Operator : YP\AJ
Sample : Q1901-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
B-167-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:28:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 2025
Response via : Initial Calibration
Integrator: ChemStation

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

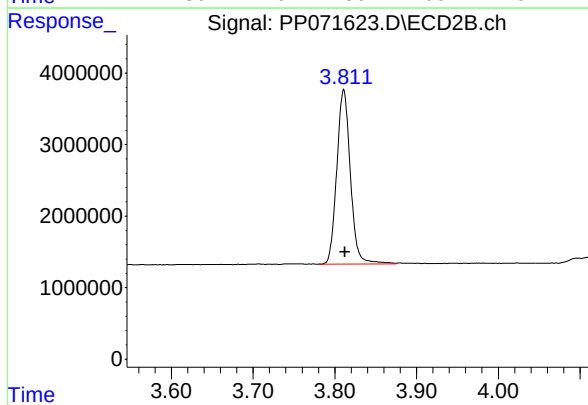




#1 Tetrachloro-m-xylene

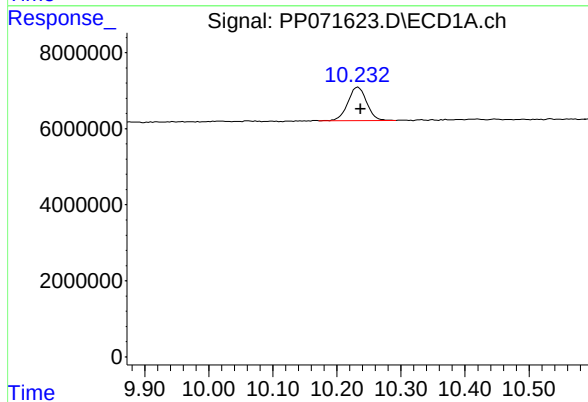
R.T.: 4.515 min
Delta R.T.: -0.002 min
Response: 35135762
Conc: 17.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
B-167-SB02



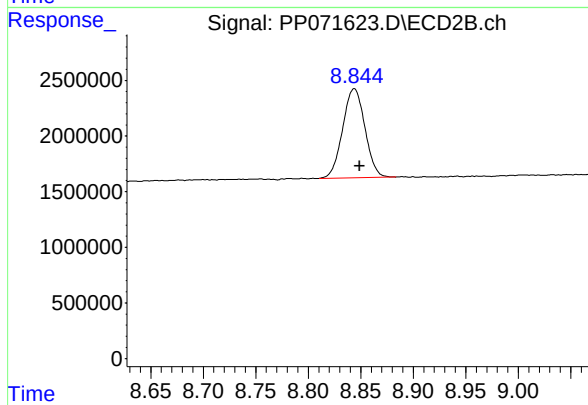
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: -0.001 min
Response: 28243413
Conc: 20.05 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.233 min
Delta R.T.: -0.004 min
Response: 17830115
Conc: 12.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.844 min
Delta R.T.: -0.005 min
Response: 11812856
Conc: 13.47 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042925\
 Data File : PO110856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:36
 Operator : YP/AJ
 Sample : Q1901-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 B-170-SB02

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: Apr 30 02:24:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 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...	3.685	3.682	215.1E6	111.2E6	24.590	22.280
2) SA Decachlor...	8.726	8.678	165.0E6	40407910	20.895	20.991

Target Compounds

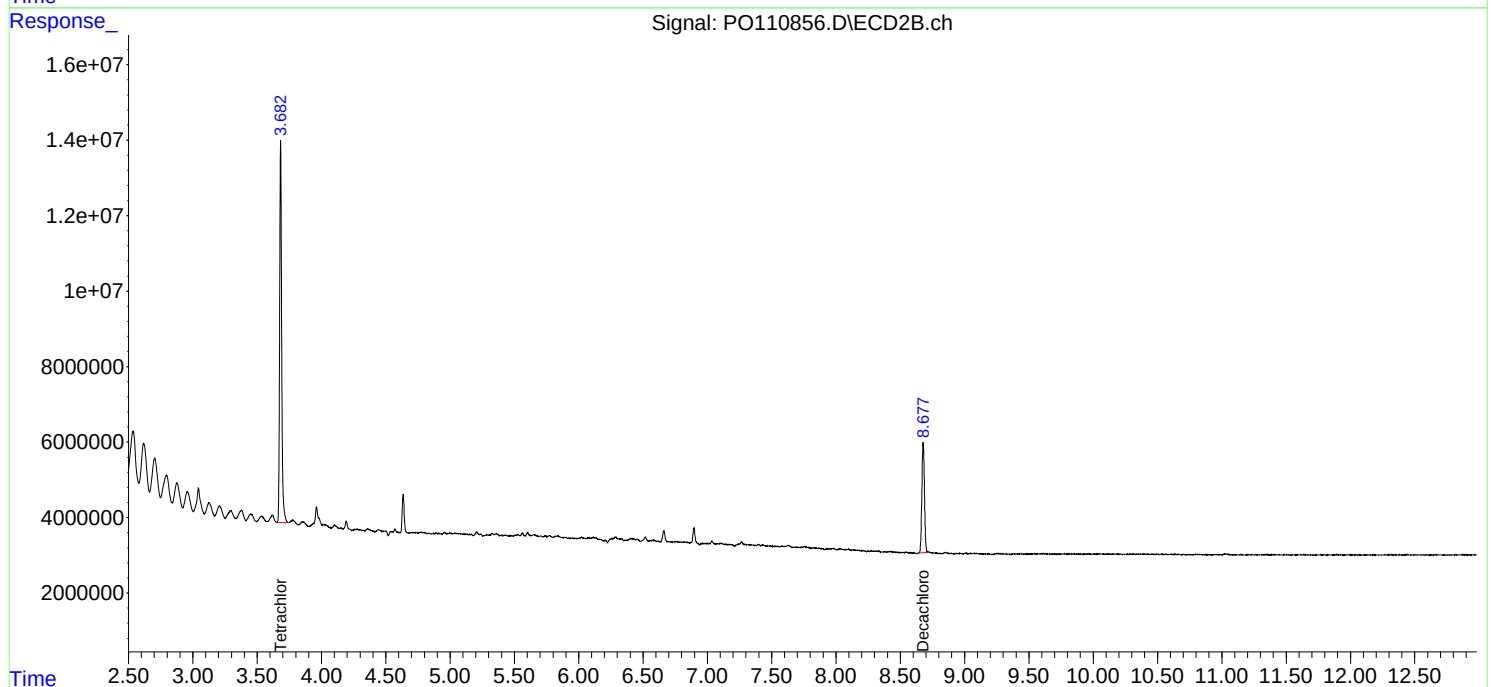
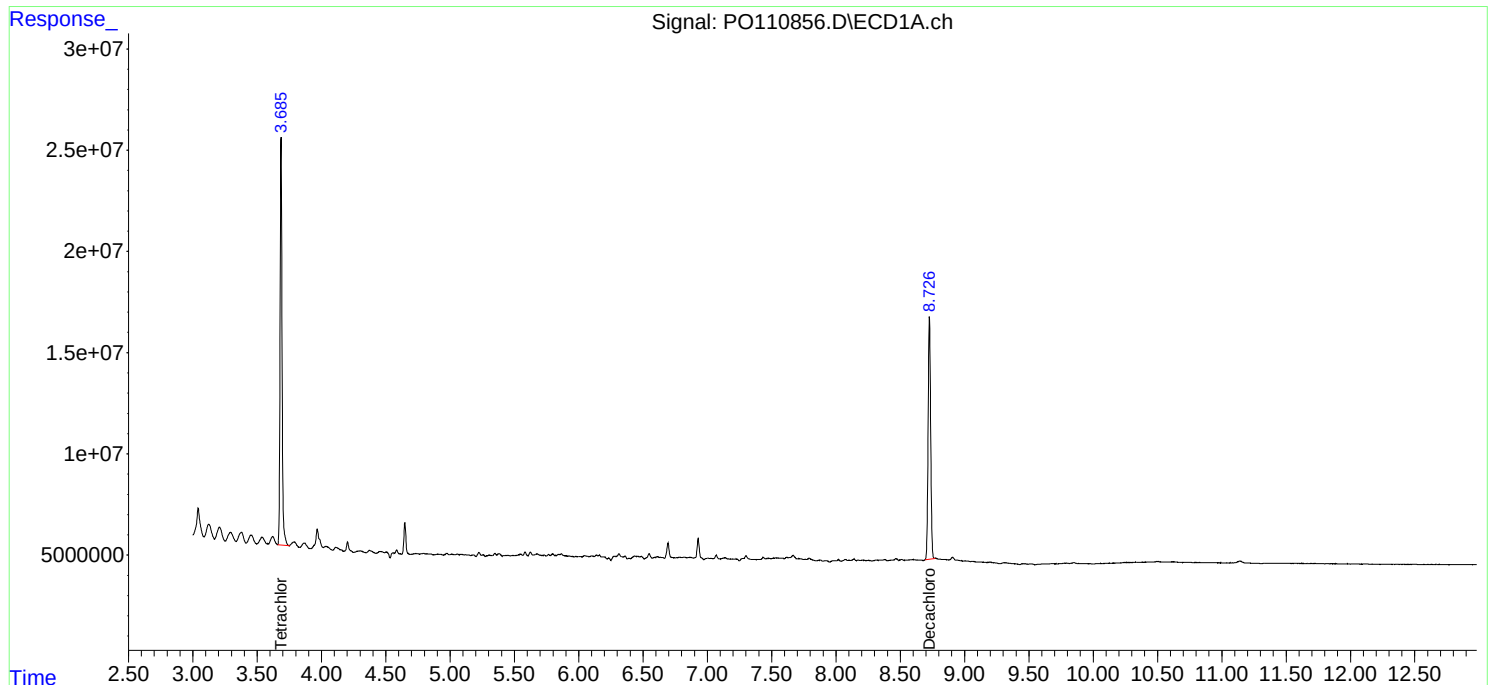
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

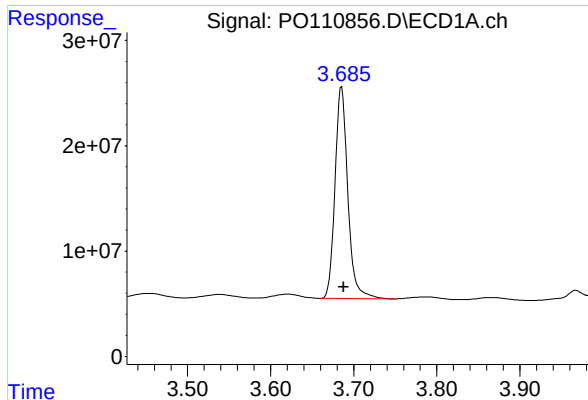
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042925\
Data File : PO110856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:36
Operator : YP/AJ
Sample : Q1901-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-170-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:24:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

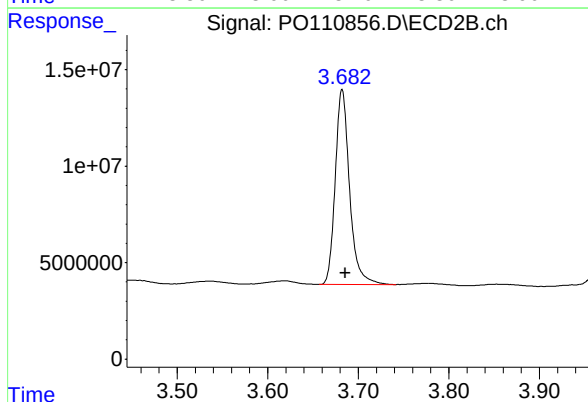




#1 Tetrachloro-m-xylene

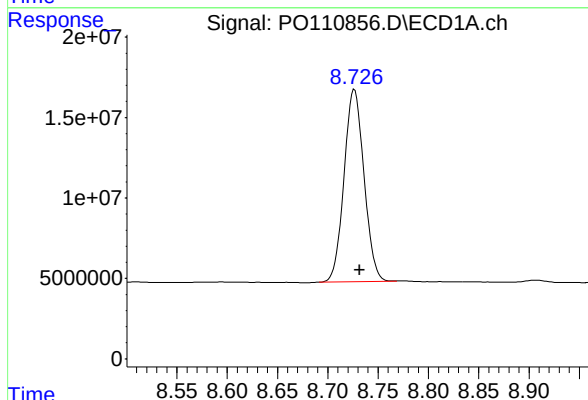
R.T.: 3.685 min
Delta R.T.: -0.003 min
Response: 215137538
Conc: 24.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-170-SB02



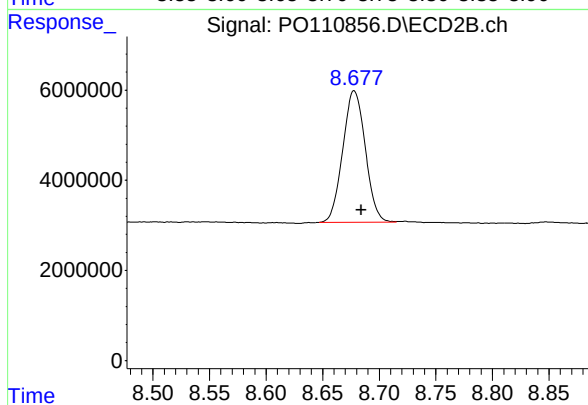
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: -0.004 min
Response: 111172147
Conc: 22.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: -0.005 min
Response: 164968971
Conc: 20.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.678 min
Delta R.T.: -0.006 min
Response: 40407910
Conc: 20.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042925\
 Data File : PO110874.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 20:14
 Operator : YP/AJ
 Sample : Q1901-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 FB04262025

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: Apr 30 02:29:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 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...	3.687	3.684	212.0E6	106.2E6	24.235	21.287
2) SA Decachlor...	8.728	8.680	128.2E6	33132538	16.242	17.212

Target Compounds

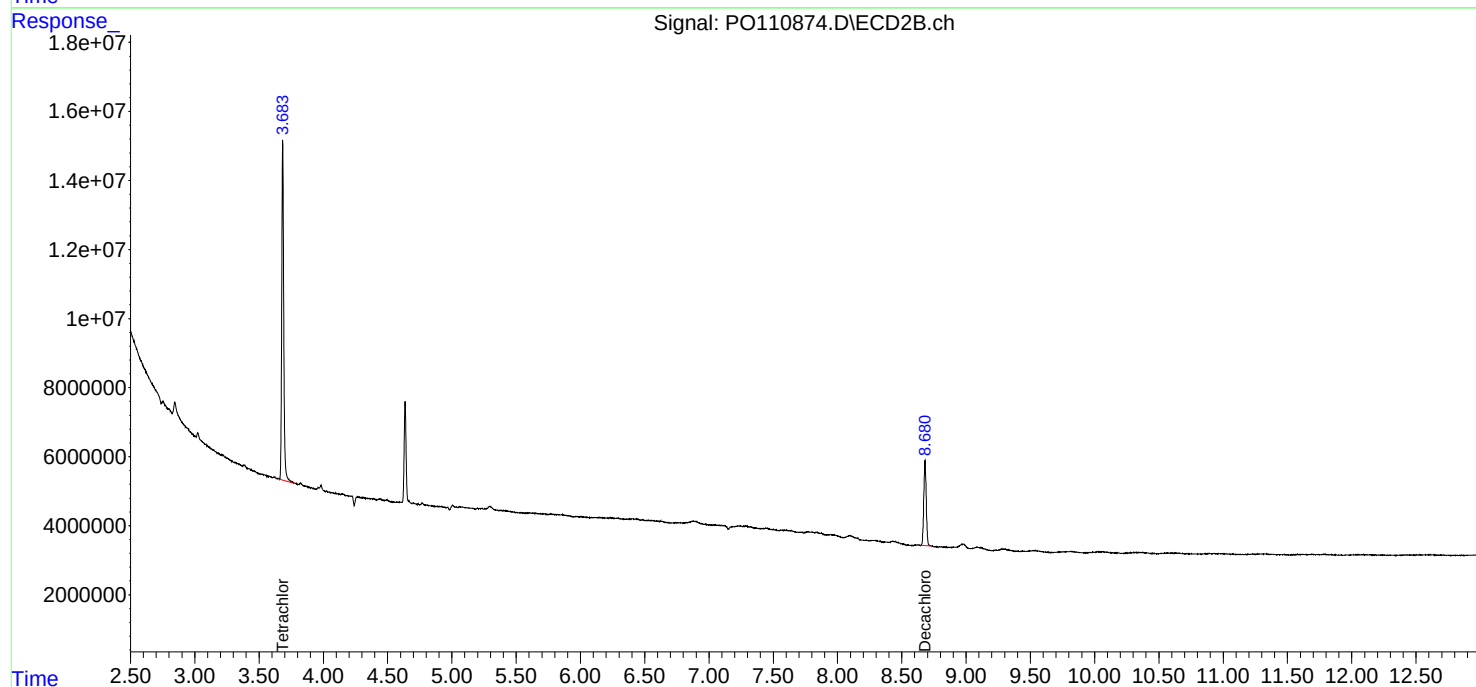
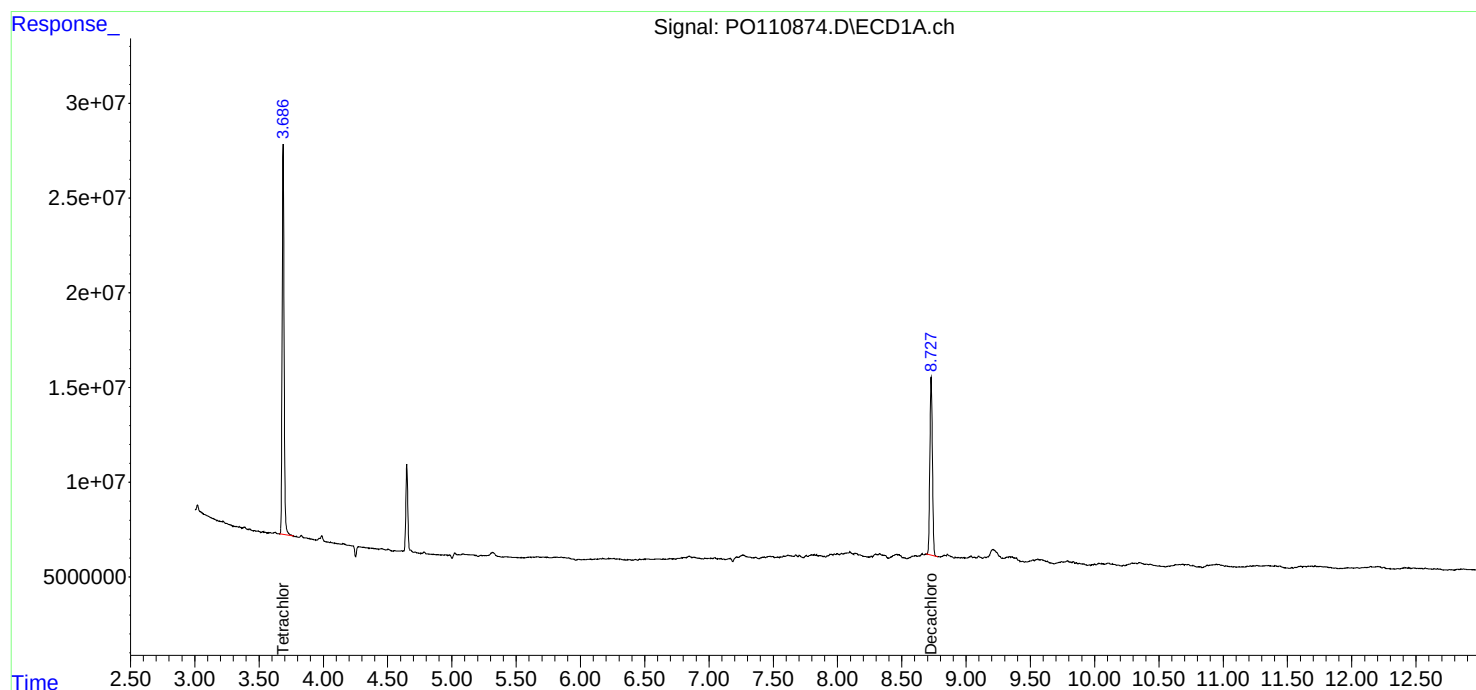
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

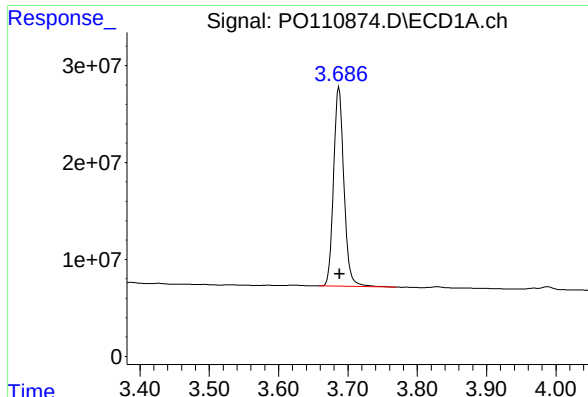
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042925\
Data File : PO110874.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:14
Operator : YP/AJ
Sample : Q1901-06
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
FB04262025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:29:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 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

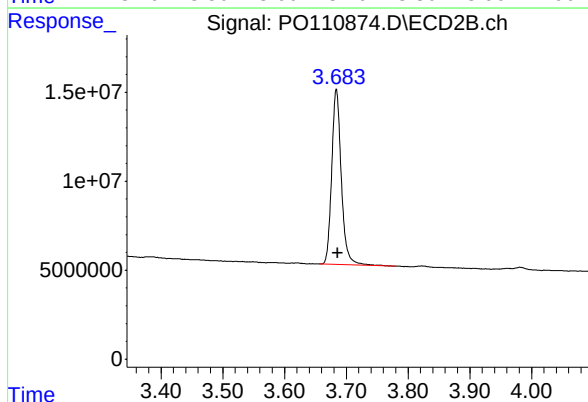




#1 Tetrachloro-m-xylene

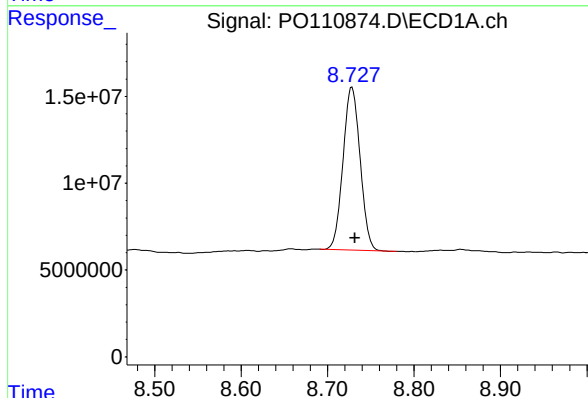
R.T.: 3.687 min
Delta R.T.: -0.001 min
Response: 212031100
Conc: 24.23 ng/ml

Instrument :
ECD_O
ClientSampleId :
FB04262025



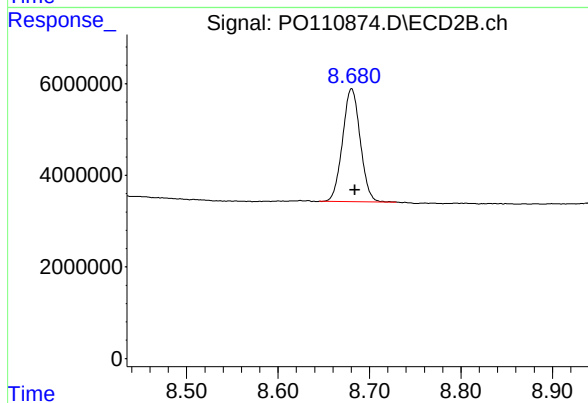
#1 Tetrachloro-m-xylene

R.T.: 3.684 min
Delta R.T.: -0.002 min
Response: 106215092
Conc: 21.29 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.728 min
Delta R.T.: -0.004 min
Response: 128232854
Conc: 16.24 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.680 min
Delta R.T.: -0.004 min
Response: 33132538
Conc: 17.21 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\P0042925\
 Data File : PO110856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:36
 Operator : YP/AJ
 Sample : Q1904-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 B-170-SB02

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: Apr 30 02:24:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 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...	3.685	3.682	215.1E6	111.2E6	24.590	22.280
2) SA Decachlor...	8.726	8.678	165.0E6	40407910	20.895	20.991

Target Compounds

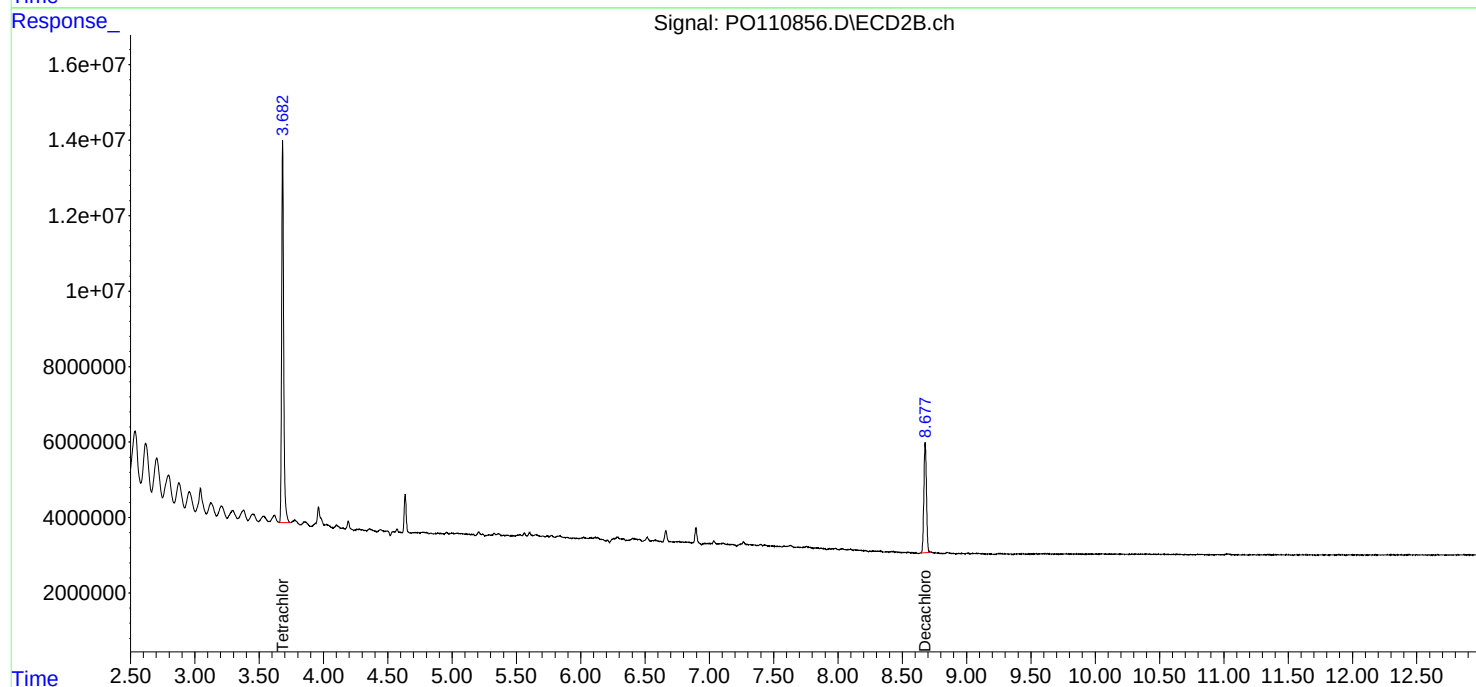
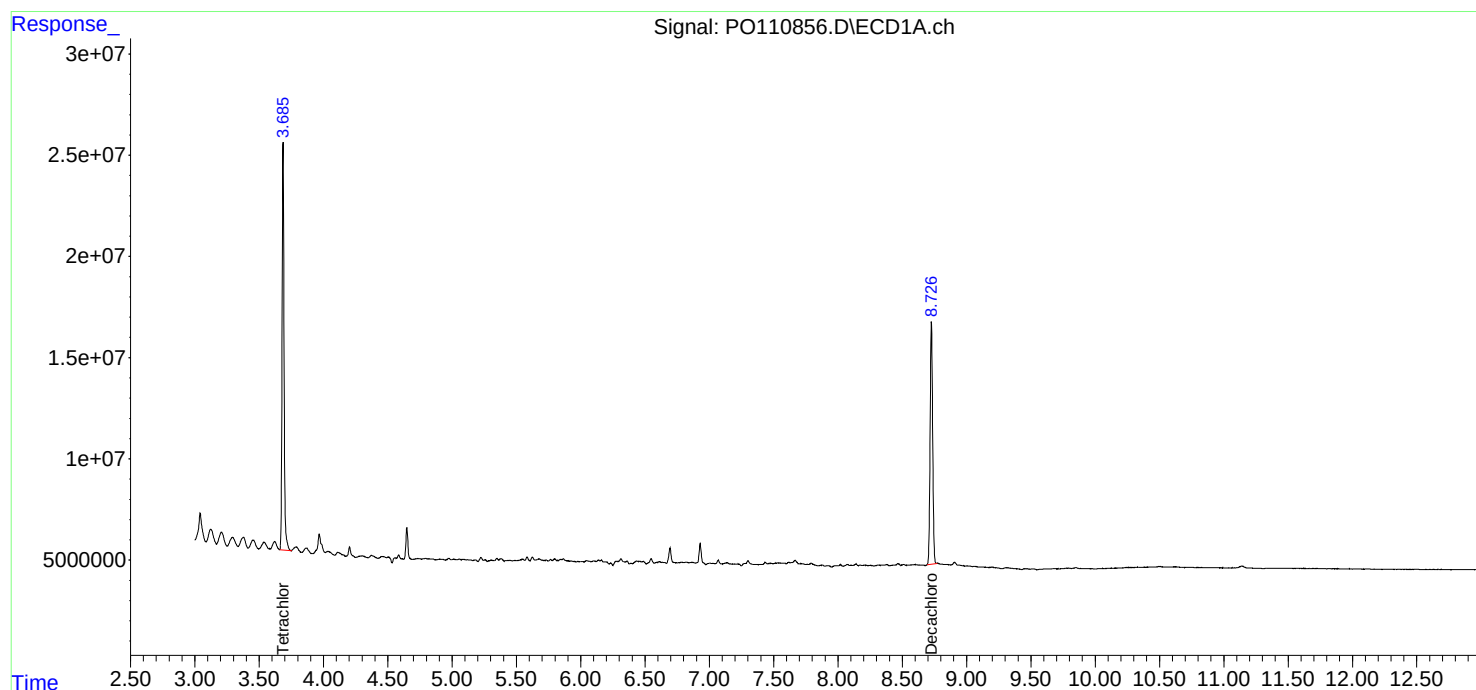
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

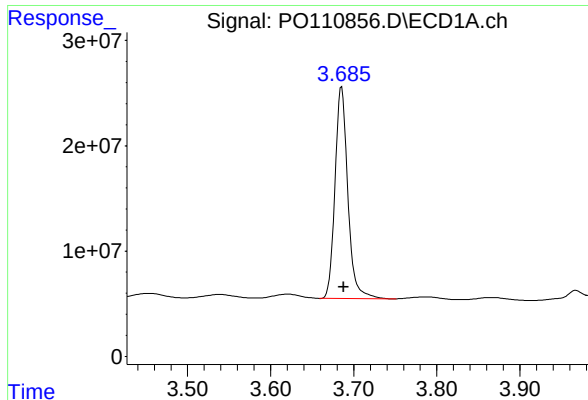
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042925\
Data File : PO110856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:36
Operator : YP/AJ
Sample : Q1904-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
B-170-SB02

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:24:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 2025
Response via : Initial Calibration
Integrator: ChemStation

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

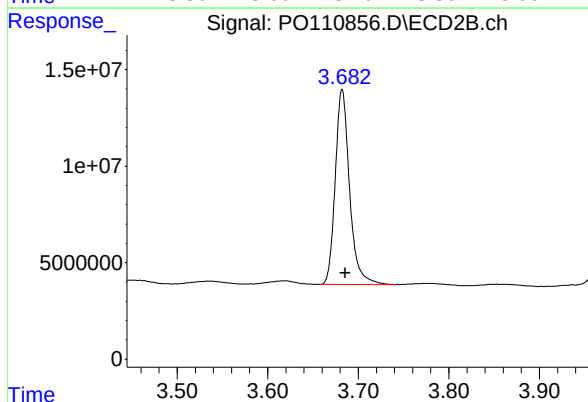




#1 Tetrachloro-m-xylene

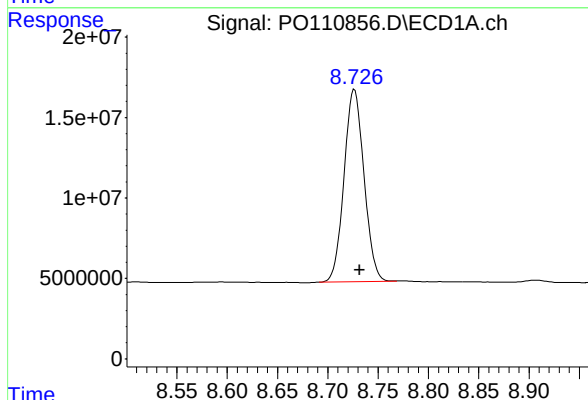
R.T.: 3.685 min
Delta R.T.: -0.003 min
Response: 215137538
Conc: 24.59 ng/ml

Instrument :
ECD_O
ClientSampleId :
B-170-SB02



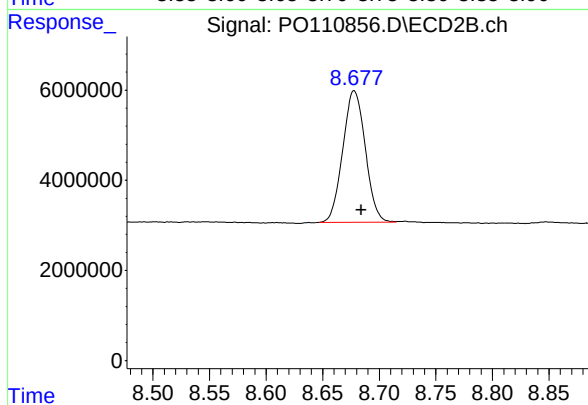
#1 Tetrachloro-m-xylene

R.T.: 3.682 min
Delta R.T.: -0.004 min
Response: 111172147
Conc: 22.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.726 min
Delta R.T.: -0.005 min
Response: 164968971
Conc: 20.90 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.678 min
Delta R.T.: -0.006 min
Response: 40407910
Conc: 20.99 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
 Data File : PP071607.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:30
 Operator : YP\AJ
 Sample : PB167776BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167776BL

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: Apr 30 02:24:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.512	3.810	37143611	28071621	18.734	19.928
2) SA Decachlor...	10.229	8.841	28176247	18467203	19.459	21.056

Target Compounds

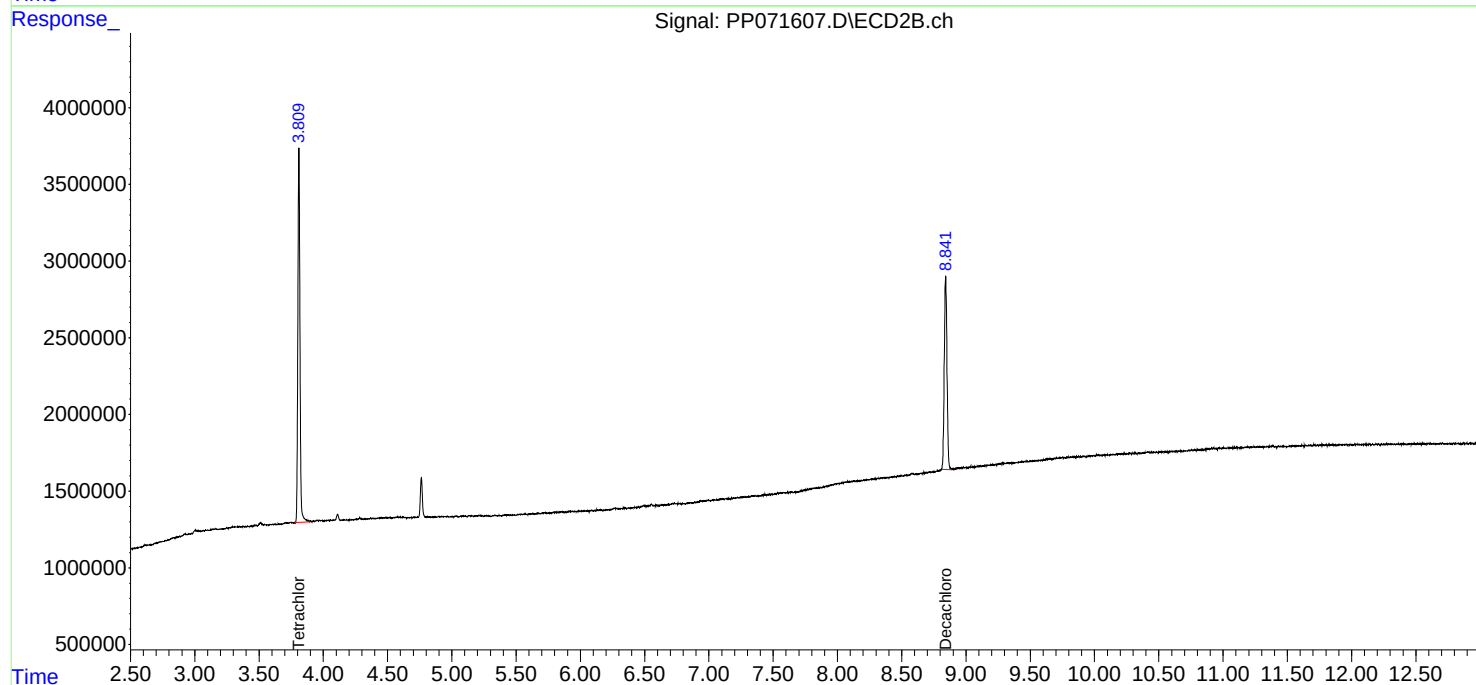
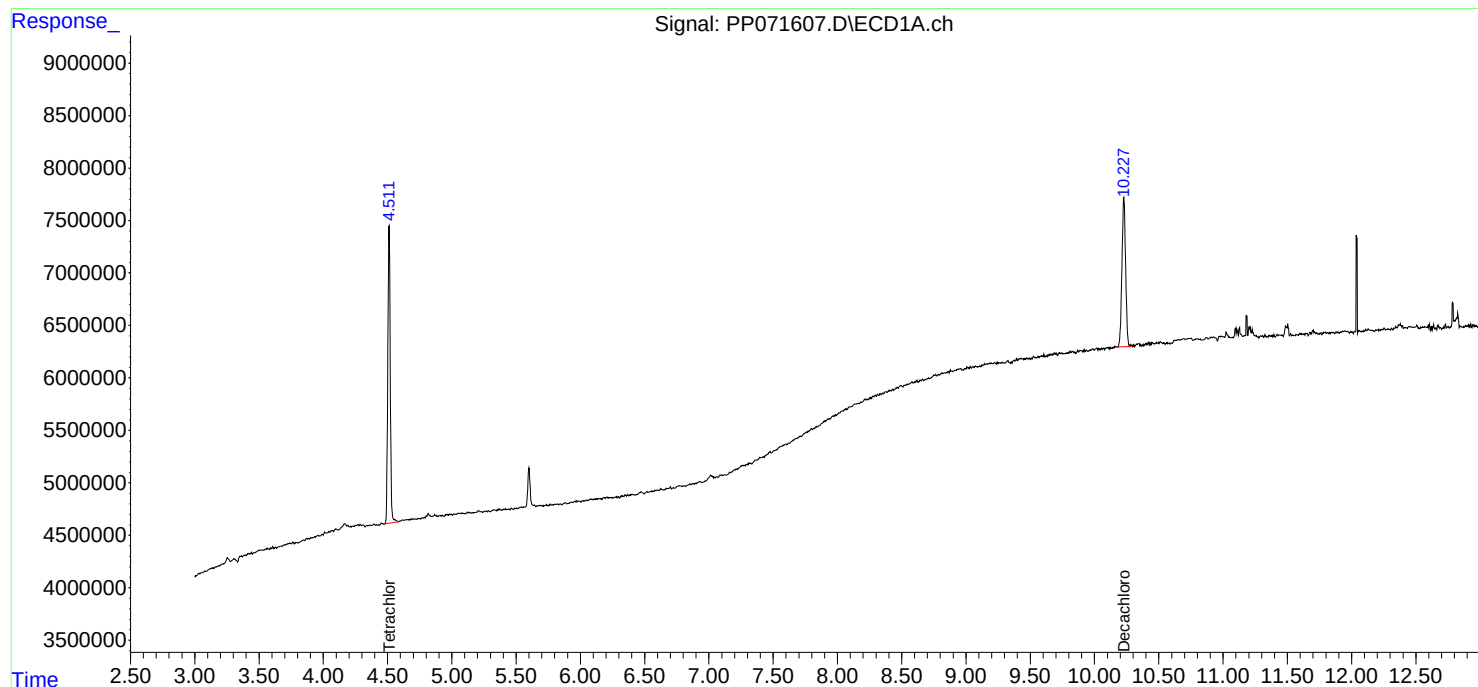
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

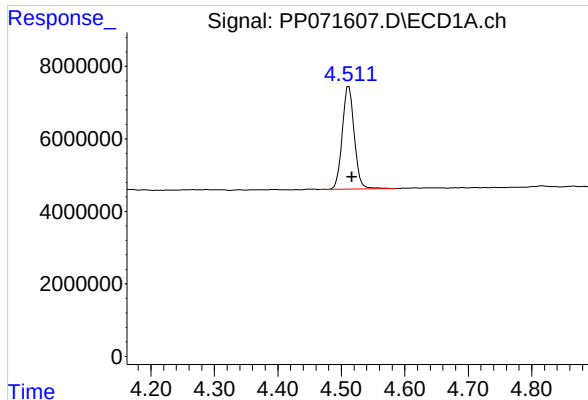
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:30
Operator : YP\AJ
Sample : PB167776BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167776BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:24:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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

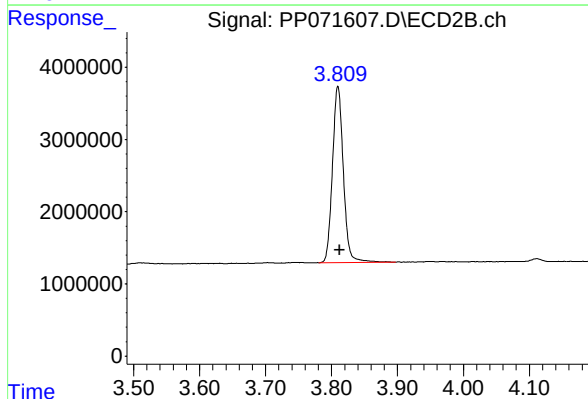




#1 Tetrachloro-m-xylene

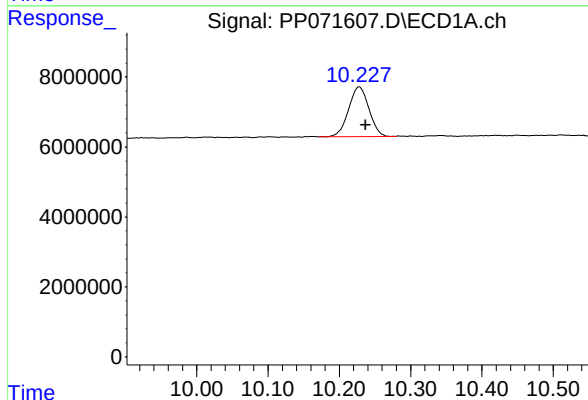
R.T.: 4.512 min
Delta R.T.: -0.005 min
Response: 37143611
Conc: 18.73 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167776BL



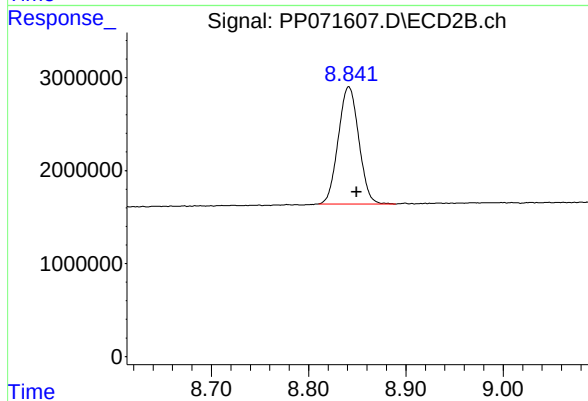
#1 Tetrachloro-m-xylene

R.T.: 3.810 min
Delta R.T.: -0.003 min
Response: 28071621
Conc: 19.93 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: -0.009 min
Response: 28176247
Conc: 19.46 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.841 min
Delta R.T.: -0.008 min
Response: 18467203
Conc: 21.06 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
 Data File : PP071624.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 19:29
 Operator : YP\AJ
 Sample : PB167782BL
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167782BL

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: Apr 30 02:28:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.511	3.811	36558038	28901984	18.439	20.518
2) SA Decachlor...	10.229	8.843	29056700	17806775	20.067	20.303

Target Compounds

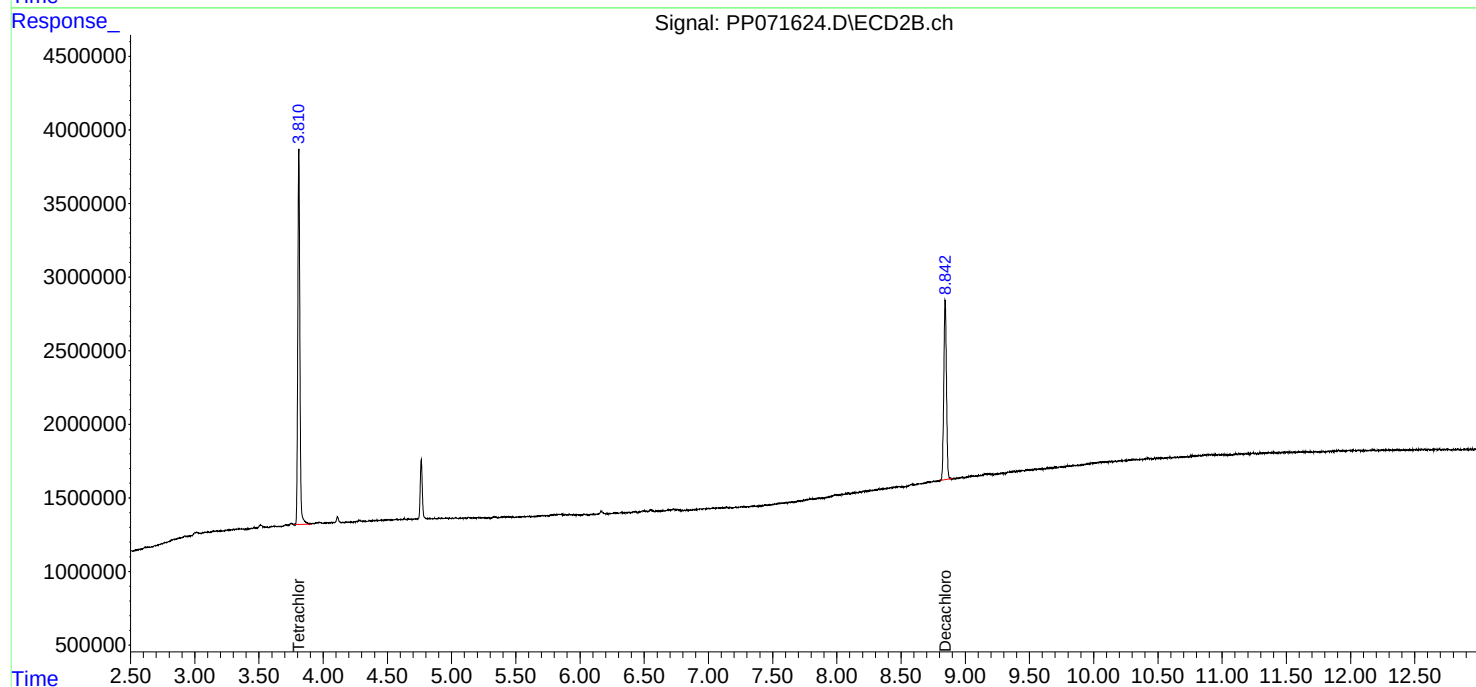
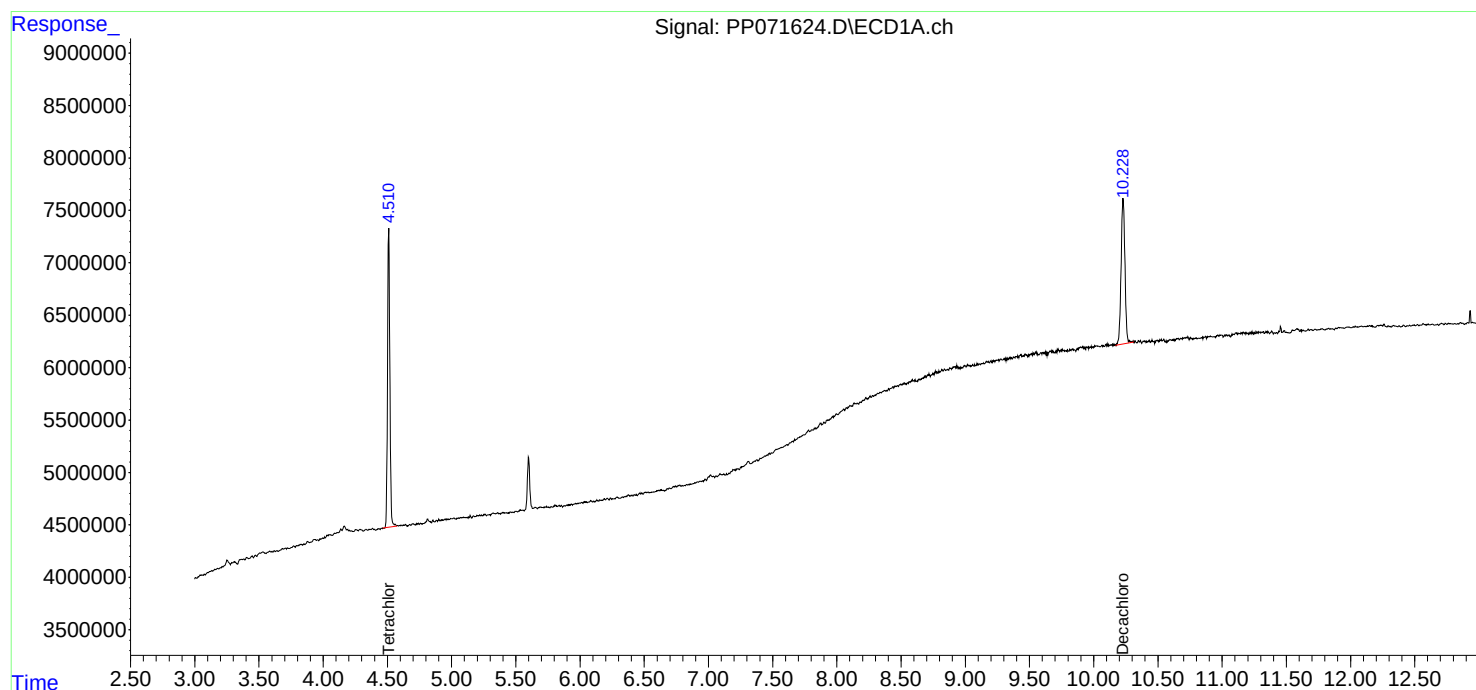
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

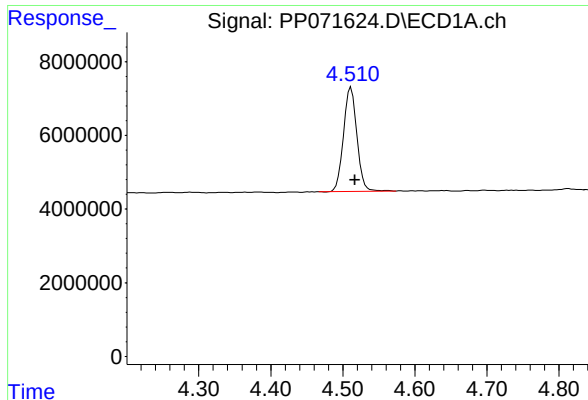
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071624.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:29
Operator : YP\AJ
Sample : PB167782BL
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167782BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:28:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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

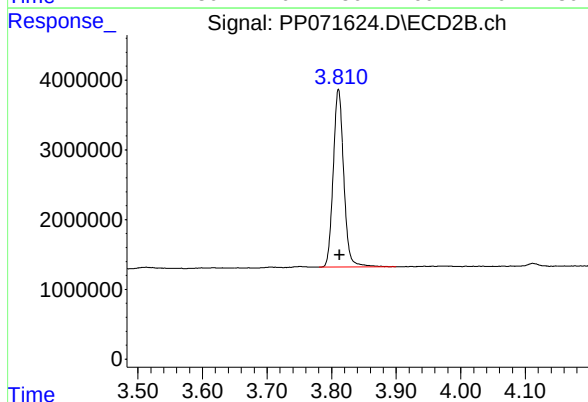




#1 Tetrachloro-m-xylene

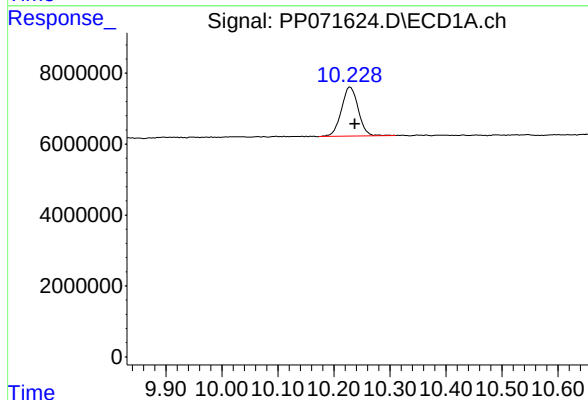
R.T.: 4.511 min
Delta R.T.: -0.006 min
Response: 36558038
Conc: 18.44 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167782BL



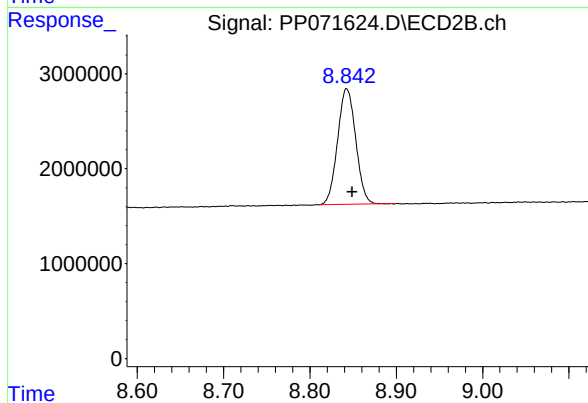
#1 Tetrachloro-m-xylene

R.T.: 3.811 min
Delta R.T.: -0.002 min
Response: 28901984
Conc: 20.52 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.229 min
Delta R.T.: -0.008 min
Response: 29056700
Conc: 20.07 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.843 min
Delta R.T.: -0.007 min
Response: 17806775
Conc: 20.30 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
 Data File : PP071641.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 12:39
 Operator : YP\AJ
 Sample : PB167794BL
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167794BL

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: Apr 30 13:25:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.511	3.808	38144922	28404318	19.240	20.164
2) SA Decachlor...	10.230	8.839	29667979	18653267	20.489	21.268

Target Compounds

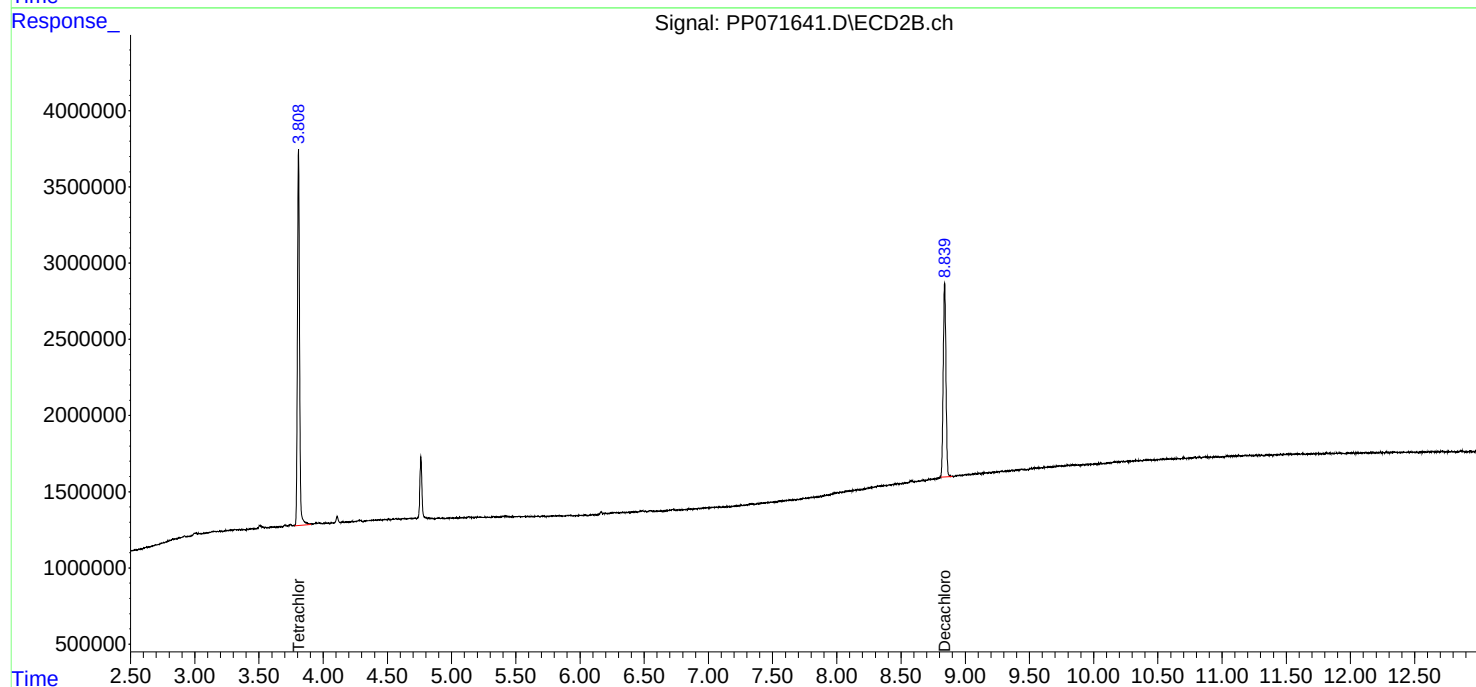
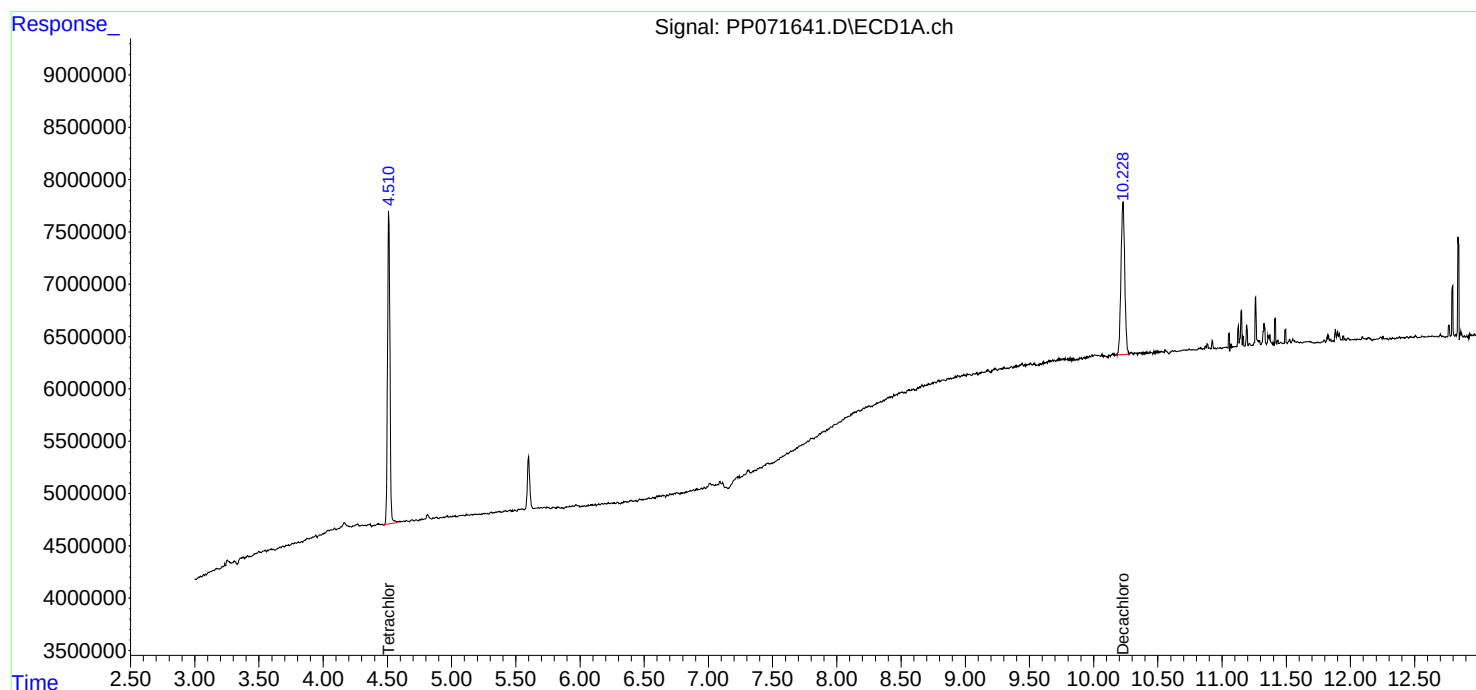
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

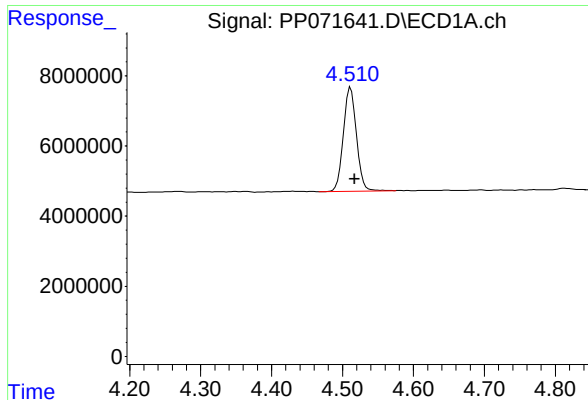
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
Data File : PP071641.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 12:39
Operator : YP\AJ
Sample : PB167794BL
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167794BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 13:25:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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

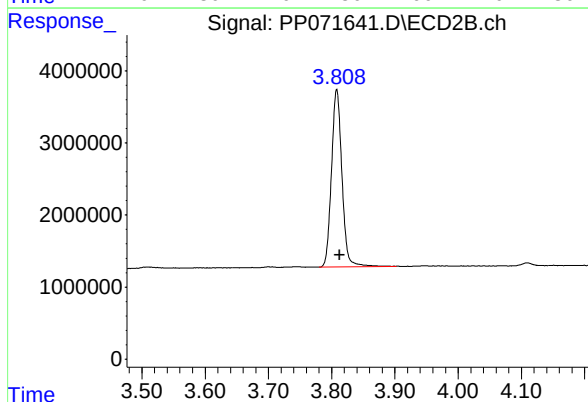




#1 Tetrachloro-m-xylene

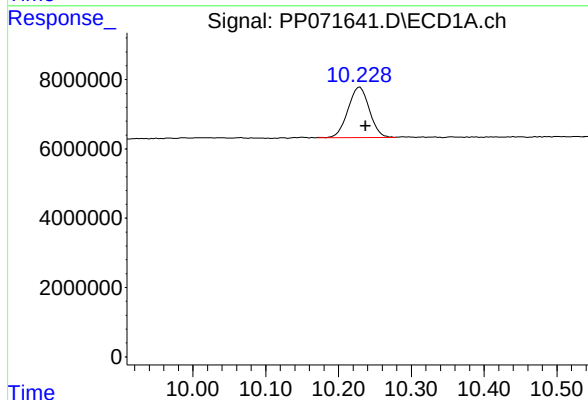
R.T.: 4.511 min
Delta R.T.: -0.006 min
Response: 38144922
Conc: 19.24 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167794BL



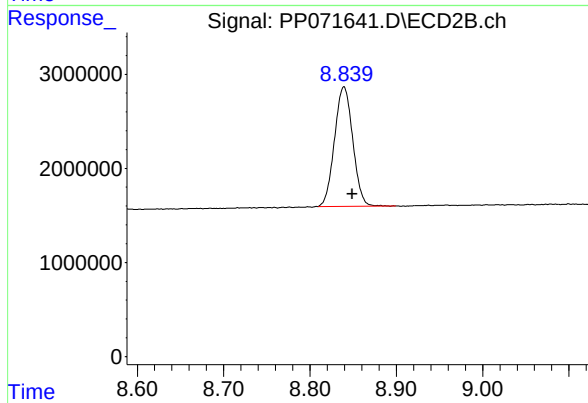
#1 Tetrachloro-m-xylene

R.T.: 3.808 min
Delta R.T.: -0.004 min
Response: 28404318
Conc: 20.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.230 min
Delta R.T.: -0.008 min
Response: 29667979
Conc: 20.49 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.839 min
Delta R.T.: -0.010 min
Response: 18653267
Conc: 21.27 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
 Data File : PP071608.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 13:46
 Operator : YP\AJ
 Sample : PB167776BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167776BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 02:24:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.514	3.810	38630891	29149931	19.485	20.694
2) SA Decachlor...	10.232	8.842	30328269	18681272	20.945	21.300
Target Compounds						
3) L1 AR-1016-1	5.667	4.894	28845238	24773400	430.206	462.764
4) L1 AR-1016-2	5.689	4.912	45302522	36142238	441.423	473.291
5) L1 AR-1016-3	5.752	5.090	26549957	20012383	430.676	474.110
6) L1 AR-1016-4	5.849	5.131	22599382	16141723	440.550	468.067
7) L1 AR-1016-5	6.141	5.345	20419433	20511525	423.303	461.480
31) L7 AR-1260-1	7.260	6.380	43208600	35825558	449.974	495.518
32) L7 AR-1260-2	7.513	6.569	65090459	43301678	454.932	495.095
33) L7 AR-1260-3	7.872	6.721	44718458	39170399	398.901	499.702 #
34) L7 AR-1260-4	8.097	7.192	47301593	27738940	419.099	439.529
35) L7 AR-1260-5	8.416	7.434	95335211	64379860	420.770	426.986

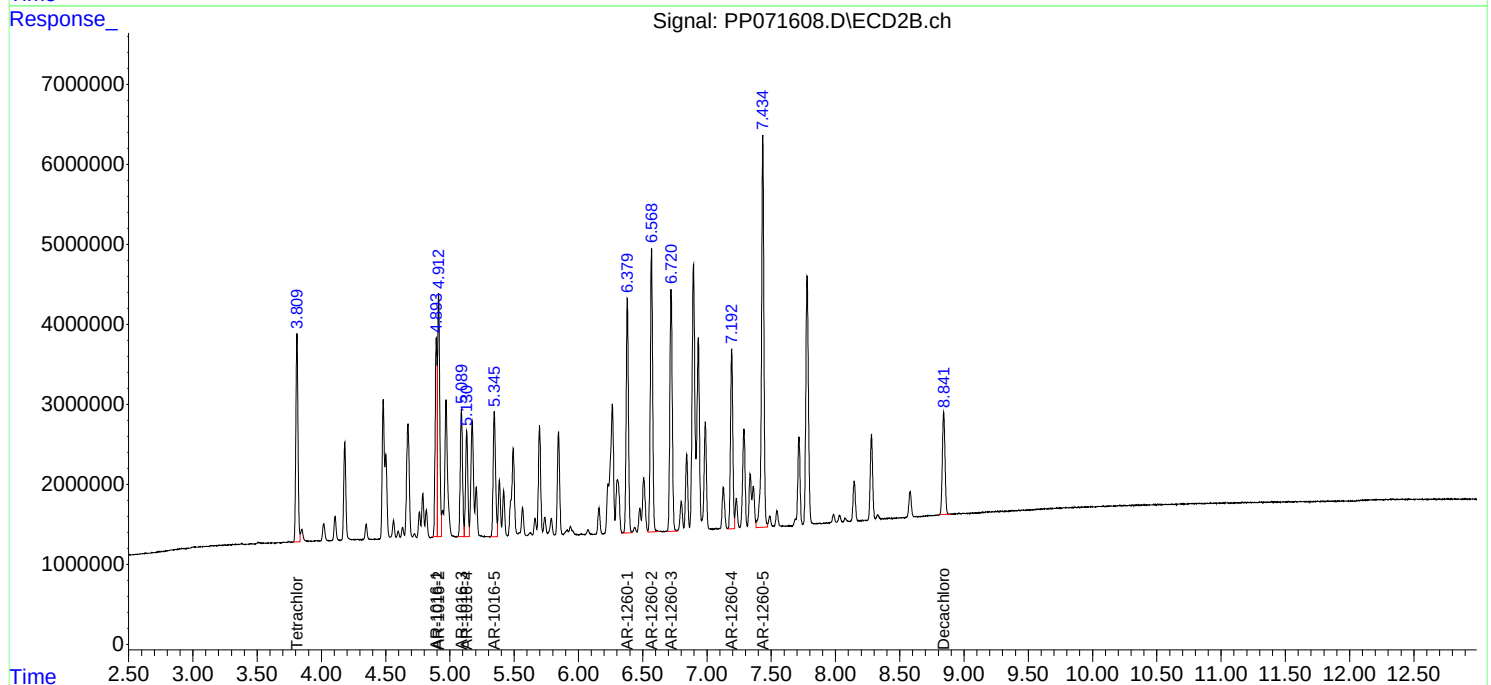
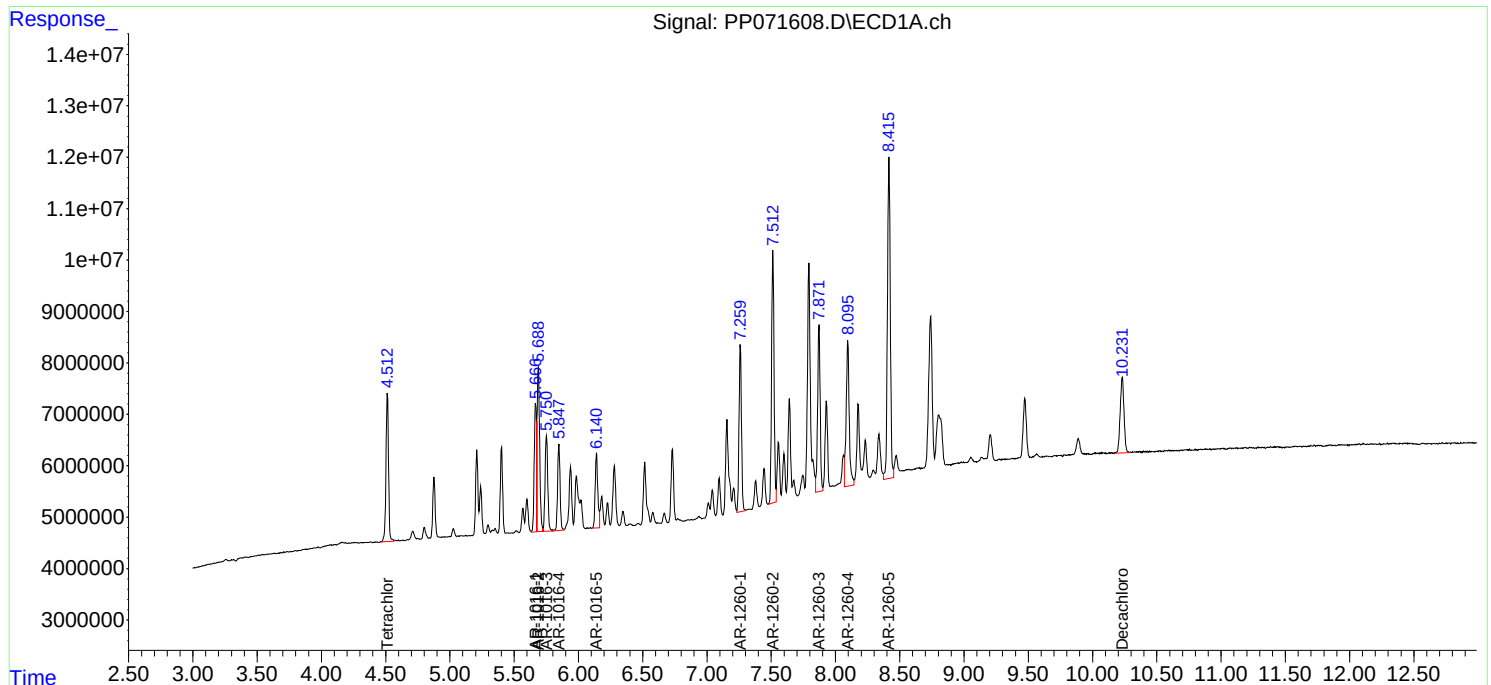
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071608.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 13:46
Operator : YP\AJ
Sample : PB167776BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167776BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:24:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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\PP042925\
 Data File : PP071625.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 19:45
 Operator : YP\AJ
 Sample : PB167782BS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167782BS

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: Apr 30 02:29:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.513	3.810	37063553	26041740	18.694	18.487
2) SA Decachlor...	10.231	8.843	28679030	18026429	19.806	20.553
Target Compounds						
3) L1 AR-1016-1	5.666	4.895	28275588	21964075	421.710	410.286
4) L1 AR-1016-2	5.688	4.913	43704635	31892392	425.854	417.638
5) L1 AR-1016-3	5.750	5.090	25826586	17806090	418.942	421.841
6) L1 AR-1016-4	5.847	5.132	21668046	14475285	422.394	419.745
7) L1 AR-1016-5	6.141	5.346	19753788	18996838	409.504	427.402
31) L7 AR-1260-1	7.259	6.380	41560776	34472705	432.814	476.806
32) L7 AR-1260-2	7.512	6.569	62820376	41818431	439.066	478.136
33) L7 AR-1260-3	7.872	6.721	43485353	37872032	387.902	483.138
34) L7 AR-1260-4	8.096	7.193	45888123	27163785	406.576	430.415
35) L7 AR-1260-5	8.416	7.434	90779182	63782407	400.662	423.024

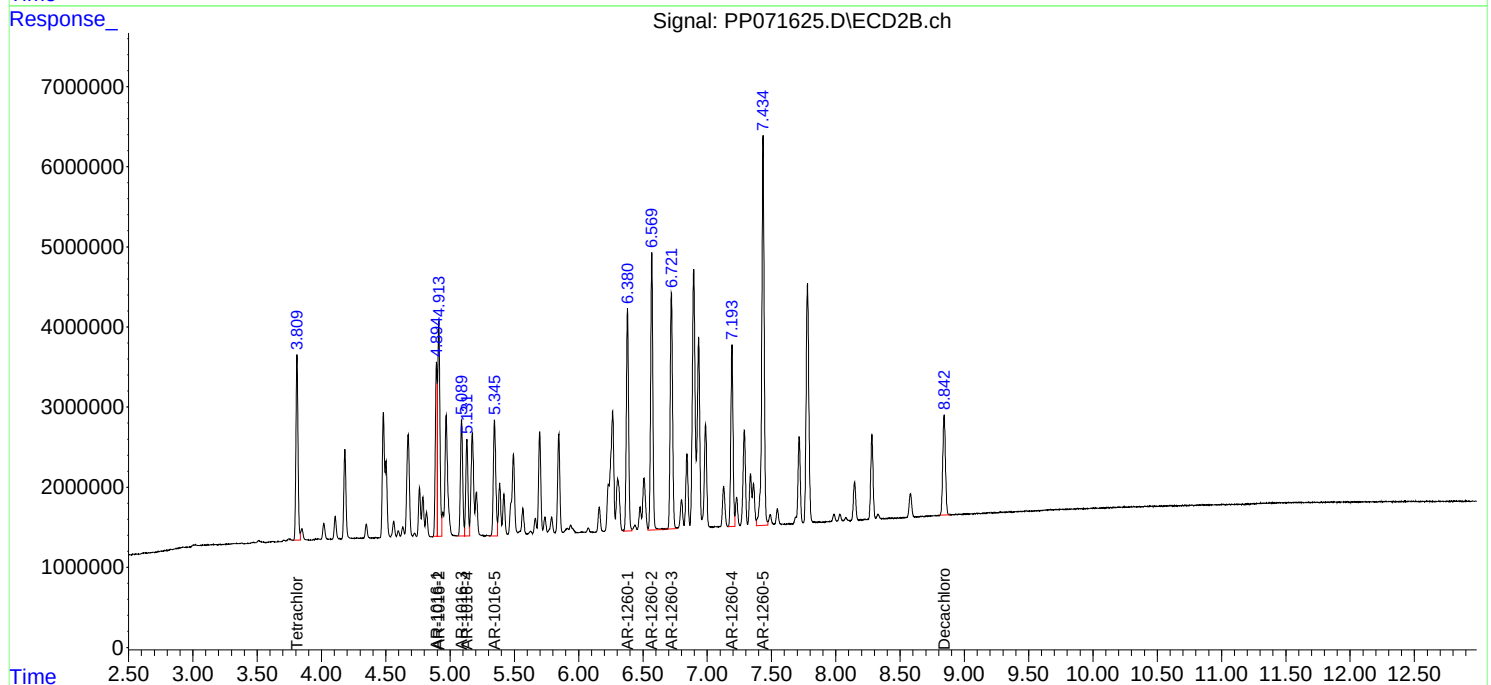
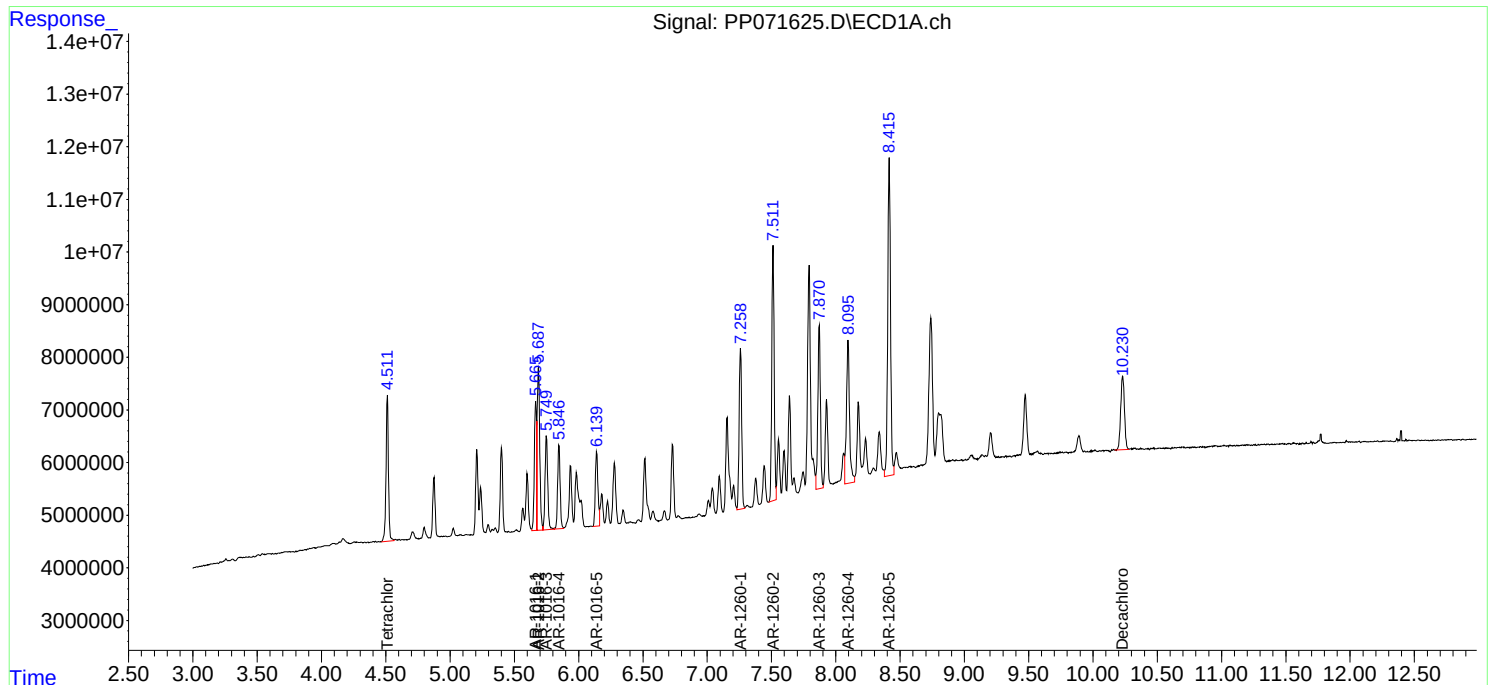
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071625.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 19:45
Operator : YP\AJ
Sample : PB167782BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167782BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:29:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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\PP043025\
 Data File : PP071642.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 12:56
 Operator : YP\AJ
 Sample : PB167794BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167794BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 13:26:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.511	3.808	38663693	26159841	19.501	18.571
2) SA Decachlor...	10.227	8.839	29354819	18280958	20.273	20.844
Target Compounds						
3) L1 AR-1016-1	5.665	4.892	29936757	23625423	446.485	441.320
4) L1 AR-1016-2	5.687	4.911	45947975	34255318	447.712	448.581
5) L1 AR-1016-3	5.749	5.088	27663631	19370688	448.742	458.908
6) L1 AR-1016-4	5.846	5.129	23104123	15788064	450.389	457.812
7) L1 AR-1016-5	6.139	5.344	20717335	19976979	429.478	449.453
31) L7 AR-1260-1	7.258	6.378	43684070	34991537	454.926	483.982
32) L7 AR-1260-2	7.512	6.567	66188315	42018508	462.605	480.423
33) L7 AR-1260-3	7.870	6.719	45117225	37706189	402.458	481.023
34) L7 AR-1260-4	8.095	7.191	47594086	27091127	421.691	429.264
35) L7 AR-1260-5	8.415	7.432	96264702	63552671	424.872	421.500

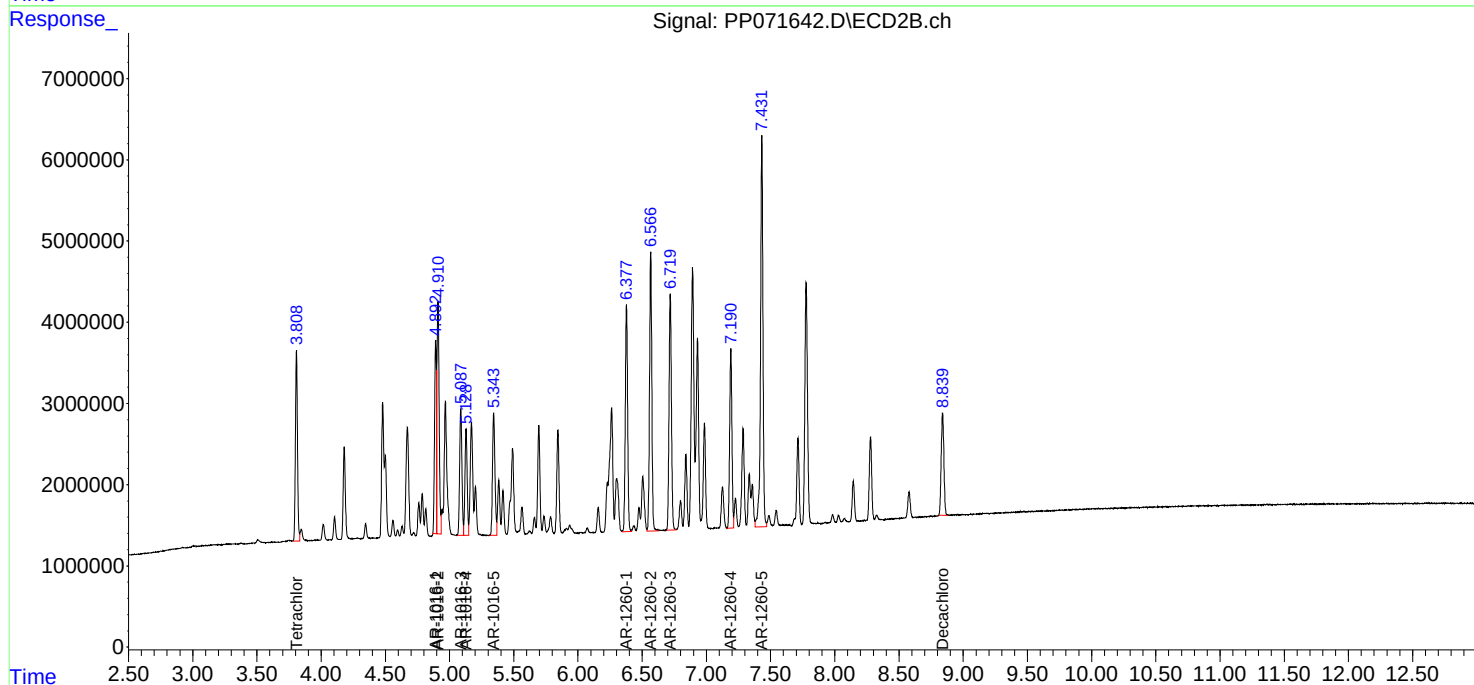
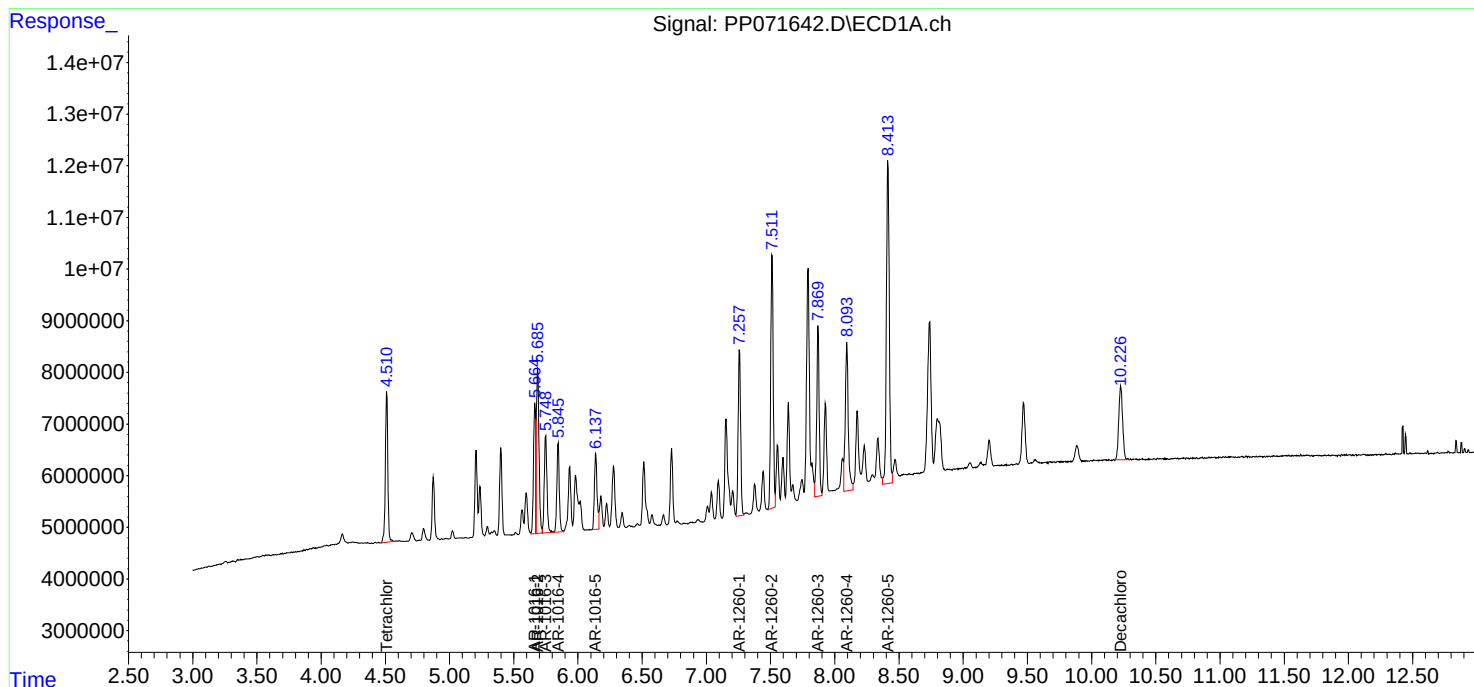
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
Data File : PP071642.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 12:56
Operator : YP\AJ
Sample : PB167794BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167794BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 13:26:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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\PP042925\
 Data File : PP071626.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 20:01
 Operator : YP\AJ
 Sample : PB167782BSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167782BSD

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: Apr 30 02:29:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.515	3.811	37524647	26867812	18.927	19.074
2) SA Decachlor...	10.235	8.844	28849159	18705141	19.923	21.327
Target Compounds						
3) L1 AR-1016-1	5.668	4.896	29045249	23618975	433.189	441.199
4) L1 AR-1016-2	5.690	4.914	44449444	33598519	433.111	439.980
5) L1 AR-1016-3	5.752	5.091	26431042	18849032	428.748	446.549
6) L1 AR-1016-4	5.849	5.133	22177707	15223932	432.330	441.453
7) L1 AR-1016-5	6.142	5.347	20022248	19122655	415.069	430.232
31) L7 AR-1260-1	7.262	6.381	42243953	31692122	439.928	438.347
32) L7 AR-1260-2	7.516	6.570	63706653	38050343	445.260	435.053
33) L7 AR-1260-3	7.874	6.723	44243288	34687292	394.663	442.510
34) L7 AR-1260-4	8.098	7.194	47141172	25052863	417.678	396.968
35) L7 AR-1260-5	8.419	7.436	92926896	59198527	410.141	392.622

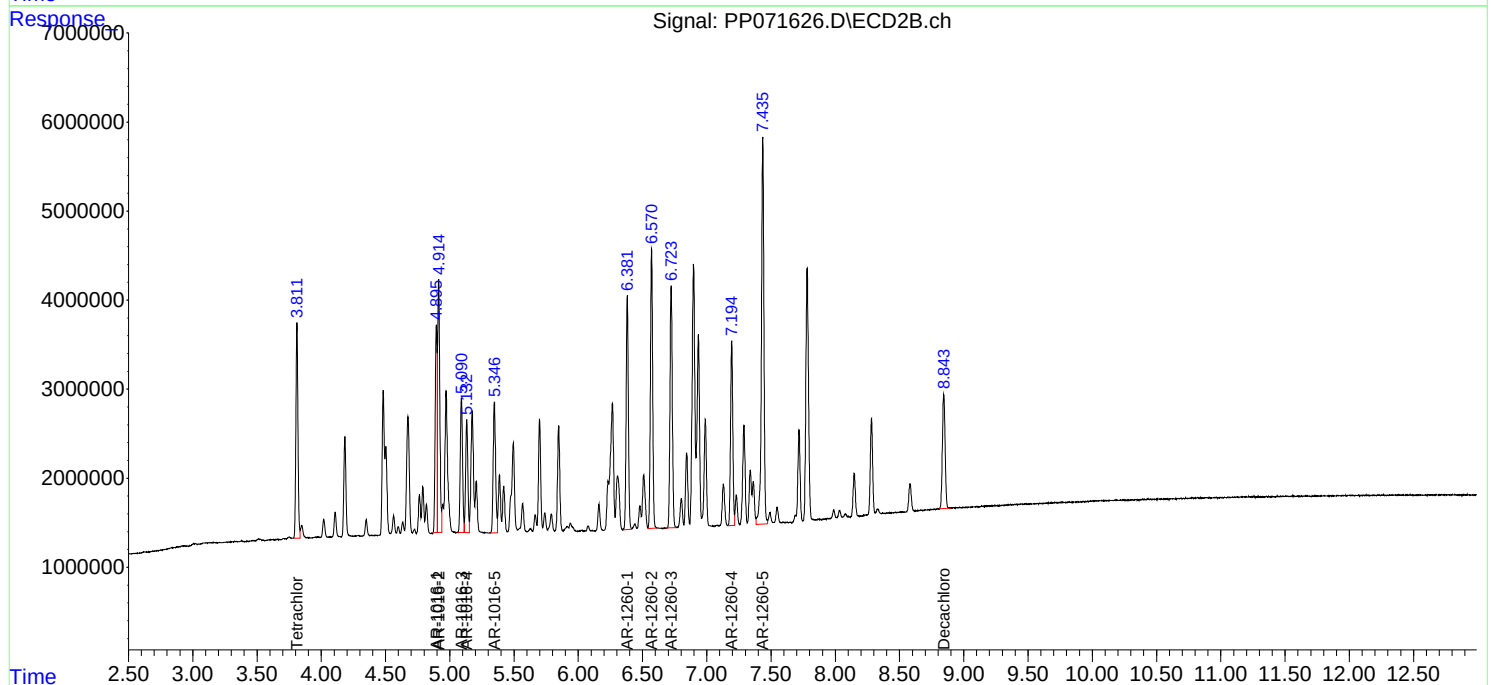
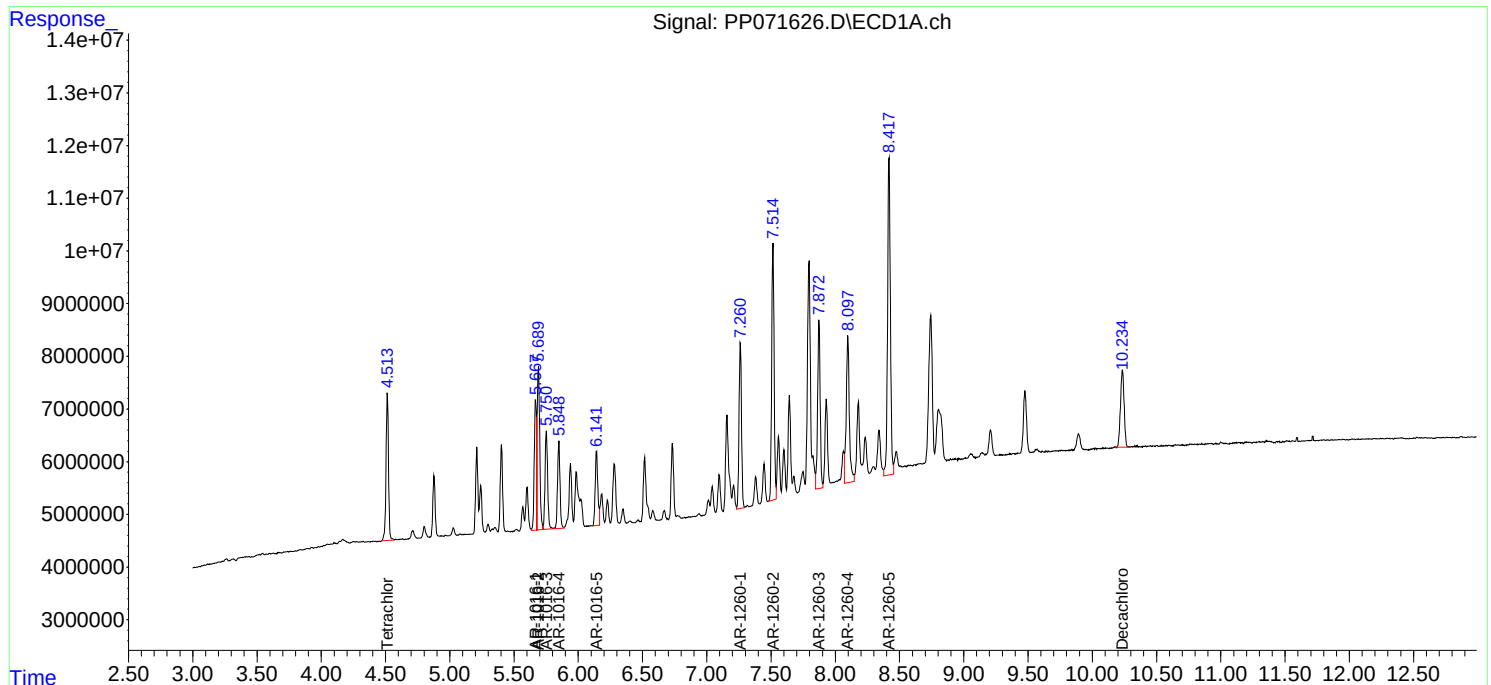
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP042925\
Data File : PP071626.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 20:01
Operator : YP\AJ
Sample : PB167782BSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_P
ClientSampleId :
PB167782BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:29:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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_O\Data\P0042925\
 Data File : PO110867.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 18:05
 Operator : YP/AJ
 Sample : Q1904-01MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 VNJ-210MS

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: Apr 30 02:27:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 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...	3.684	3.683	204.2E6	106.3E6	23.341	21.299
2) SA Decachlor...	8.727	8.679	151.0E6	36669320	19.125	19.049
Target Compounds						
3) L1 AR-1016-1	4.774	4.762	183.5E6	96163946	559.100	547.913
4) L1 AR-1016-2	4.793	4.781	255.0E6	133.4E6	560.529	530.644
5) L1 AR-1016-3	4.850	4.956	176.2E6	68308260	546.419	503.337
6) L1 AR-1016-4	4.970	4.998	138.0E6	55741649	554.014	487.389
7) L1 AR-1016-5	5.227	5.210	136.6E6	68733019	507.848	461.067
31) L7 AR-1260-1	6.267	6.242	278.3E6	134.2E6	588.981	545.668
32) L7 AR-1260-2	6.456	6.429	310.5E6	139.5E6	529.510	478.151
33) L7 AR-1260-3	6.823	6.582	222.9E6	133.7E6	452.229	493.665
34) L7 AR-1260-4	7.083	7.053	210.0E6	90238636	494.672	449.754
35) L7 AR-1260-5	7.326	7.295	492.3E6	201.4E6	471.761	438.978

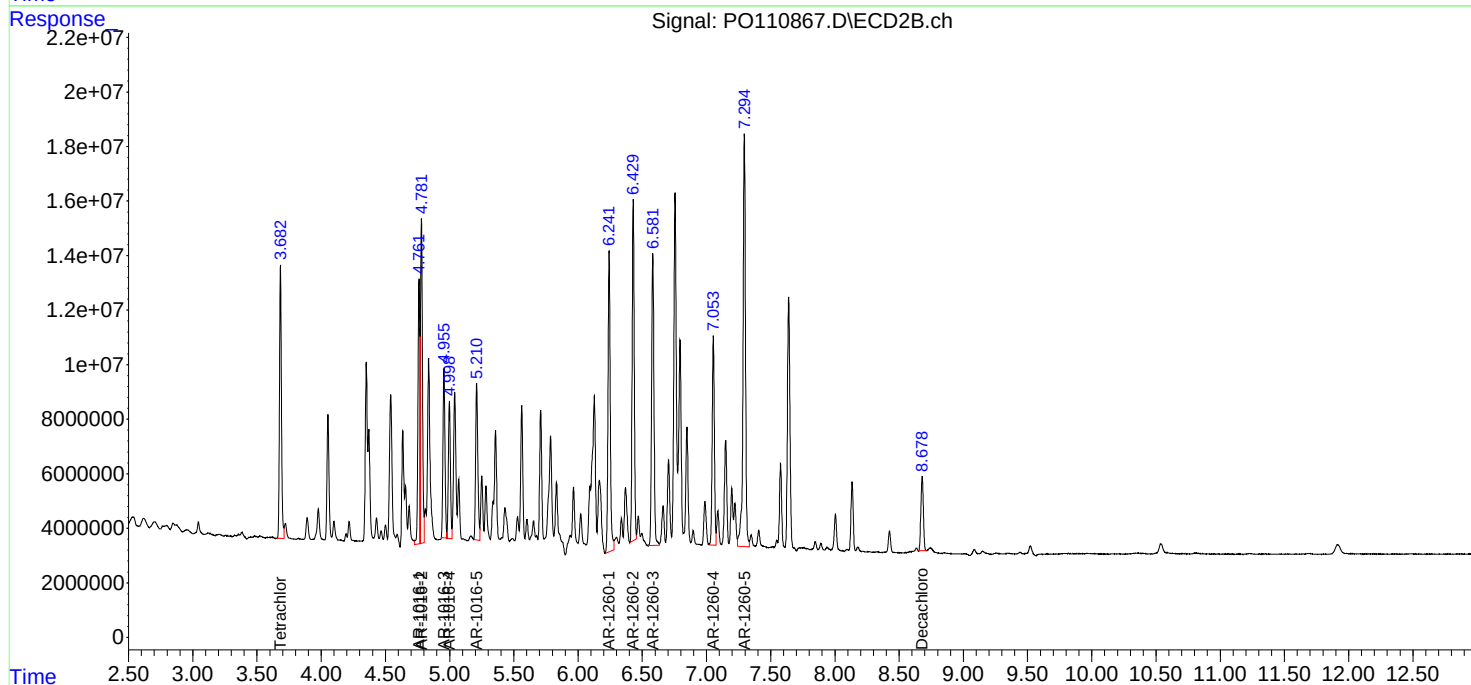
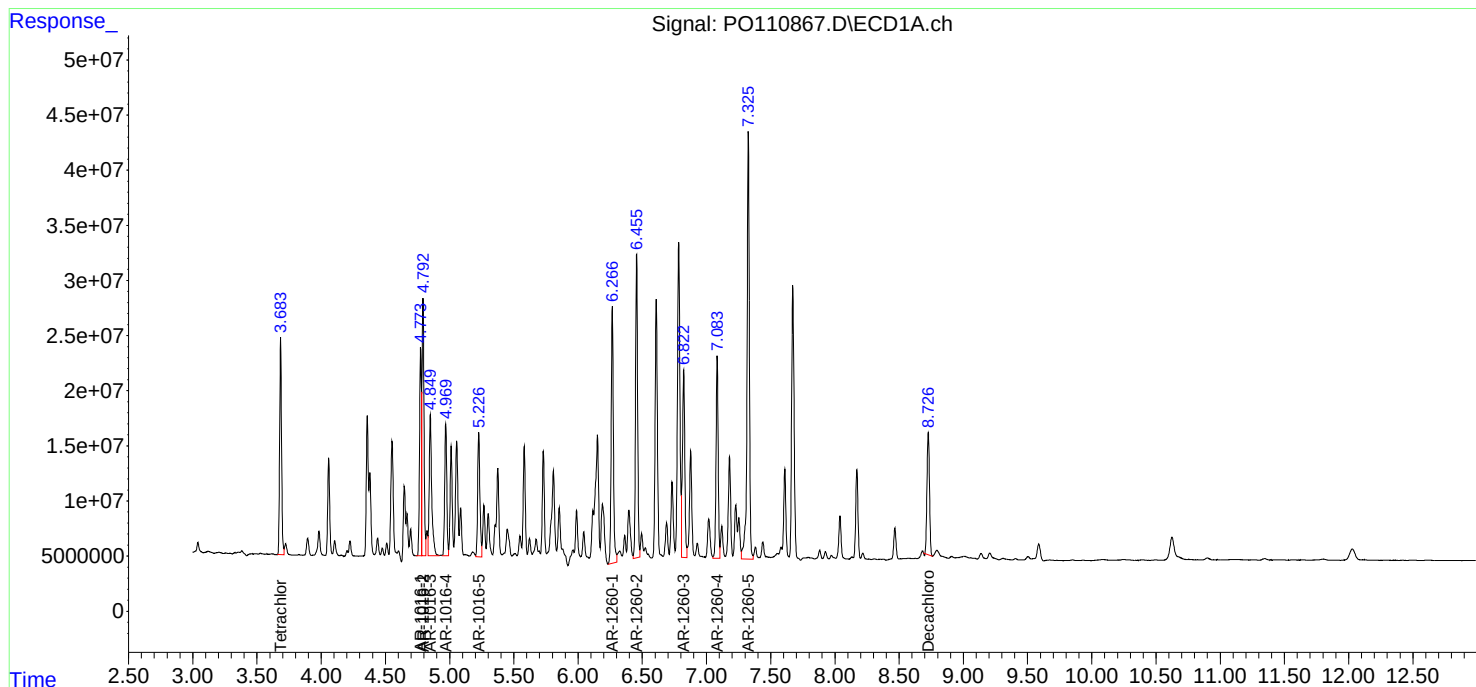
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042925\
Data File : PO110867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 18:05
Operator : YP/AJ
Sample : Q1904-01MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
VNJ-210MS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:27:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 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\PP043025\
 Data File : PP071648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 14:49
 Operator : YP\AJ
 Sample : Q1910-01MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MOO-25-0123-27MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 01 00:59:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.512	3.808	36426585	25506924	18.373	18.107
2) SA Decachlor...	10.228	8.840	24520790	15144736	16.934	17.268
Target Compounds						
3) L1 AR-1016-1	5.665	4.892	27024527	22371423	403.051	417.895
4) L1 AR-1016-2	5.688	4.911	41543893	32463411	404.799	425.116
5) L1 AR-1016-3	5.749	5.087	24099500	14876873	390.927	352.446
6) L1 AR-1016-4	5.844	5.129	33278057	12716398	648.718	368.742 #
7) L1 AR-1016-5	6.139	5.343	17476216	19512093	362.289	438.994m
31) L7 AR-1260-1	7.258	6.378	46344634	33336510	482.633	461.091
32) L7 AR-1260-2	7.512	6.566	150.5E6	41657794	1051.768	476.299 #
33) L7 AR-1260-3	7.870	6.719	44564238	39965819	397.526	509.849 #
34) L7 AR-1260-4	8.094	7.190	46762029	29596698	414.319m	468.965
35) L7 AR-1260-5	8.414	7.432	89706136	62309363	395.926	413.254

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
Data File : PP071648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 14:49
Operator : YP\AJ
Sample : Q1910-01MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MOO-25-0123-27MS

Manual Integrations

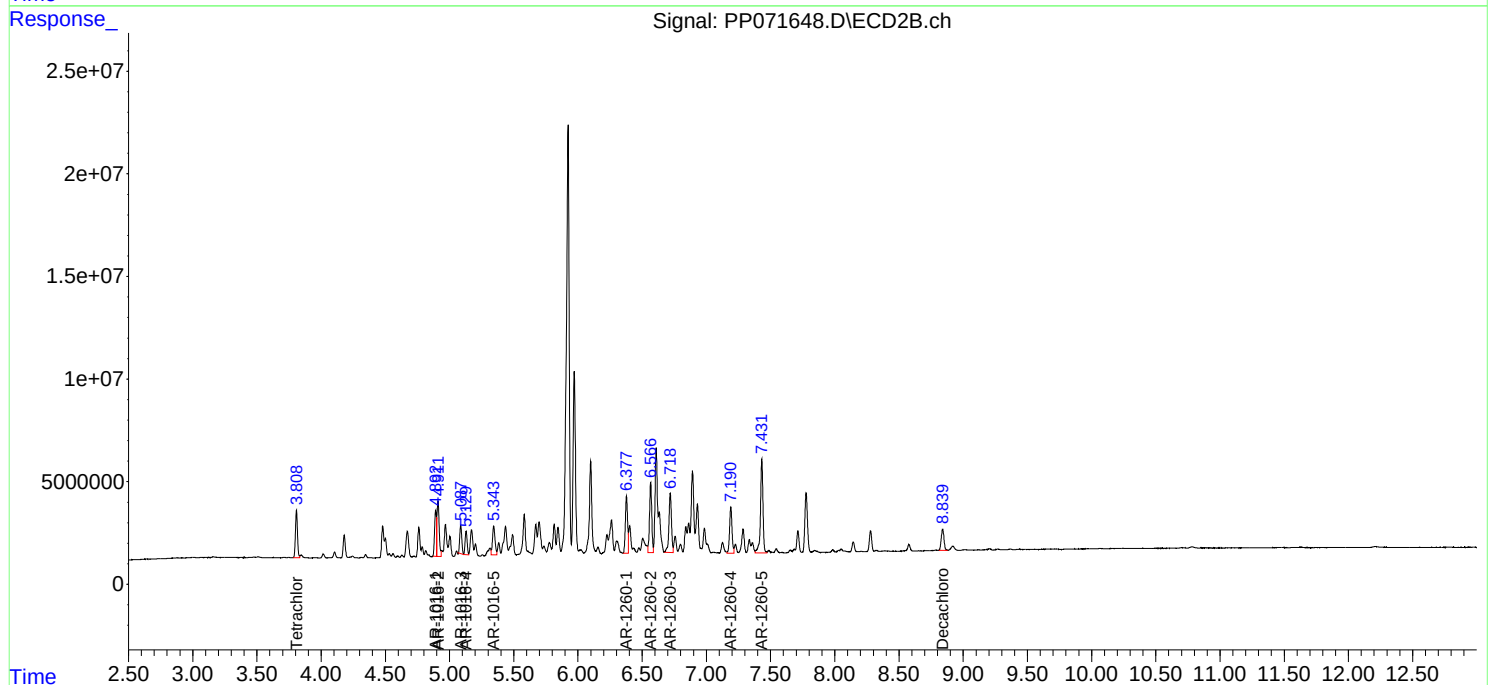
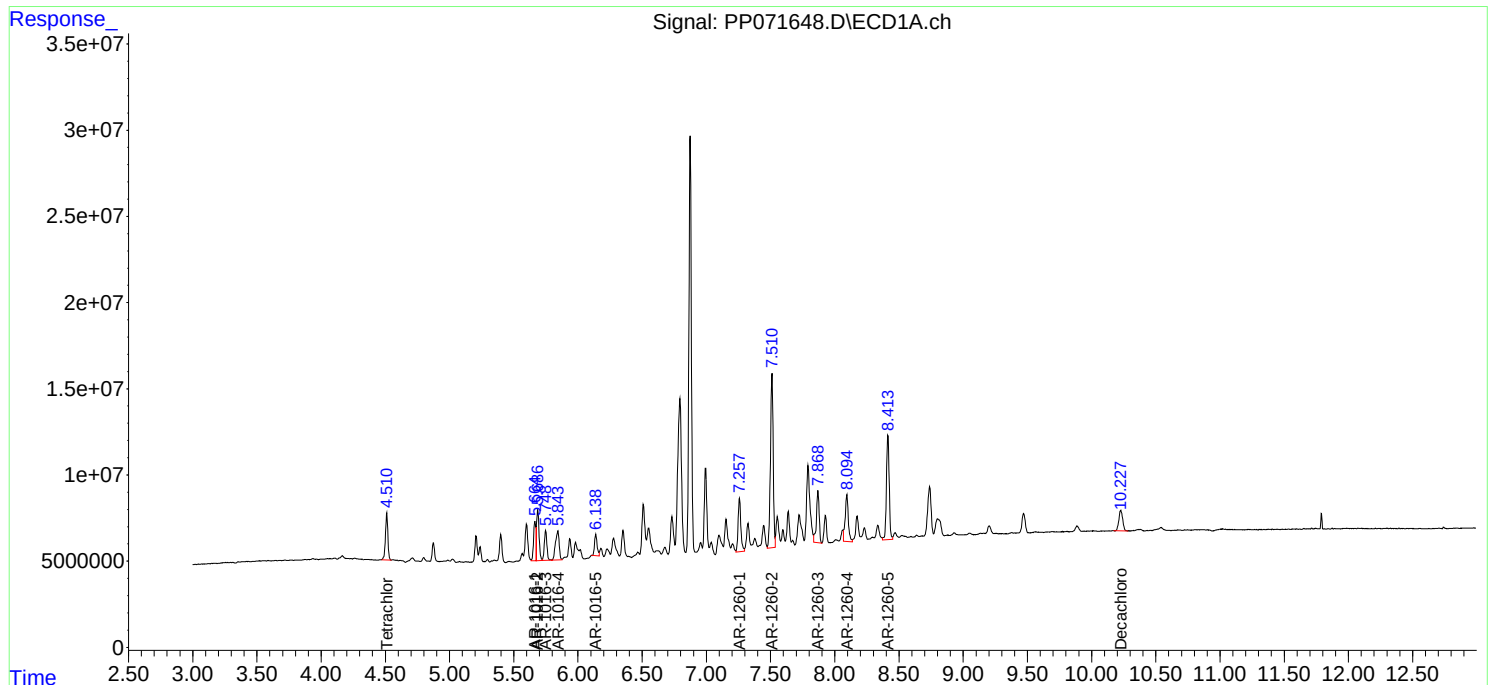
APPROVED

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 00:59:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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_O\Data\P0042925\
 Data File : PO110868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Apr 2025 18:23
 Operator : YP/AJ
 Sample : Q1904-01MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 VNJ-210MSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 30 02:28:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\P0041025.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Fri Apr 11 02:12:41 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...	3.686	3.683	200.2E6	104.0E6	22.886	20.840
2) SA Decachlor...	8.728	8.680	150.3E6	35959064	19.037	18.680
Target Compounds						
3) L1 AR-1016-1	4.776	4.762	184.1E6	94620800	561.108	539.121
4) L1 AR-1016-2	4.795	4.781	251.8E6	132.8E6	553.451	528.016
5) L1 AR-1016-3	4.851	4.957	177.3E6	67698746	549.769	498.845
6) L1 AR-1016-4	4.971	4.999	136.9E6	54289739	549.623	474.694
7) L1 AR-1016-5	5.229	5.211	134.7E6	68692744	500.886	460.797
31) L7 AR-1260-1	6.268	6.242	275.5E6	131.4E6	583.148	534.408
32) L7 AR-1260-2	6.458	6.430	306.8E6	136.7E6	523.155	468.637
33) L7 AR-1260-3	6.825	6.583	219.3E6	132.6E6	444.894	489.564
34) L7 AR-1260-4	7.085	7.053	204.6E6	88744084	482.075	442.305
35) L7 AR-1260-5	7.327	7.294	478.9E6	196.7E6	458.944	428.636

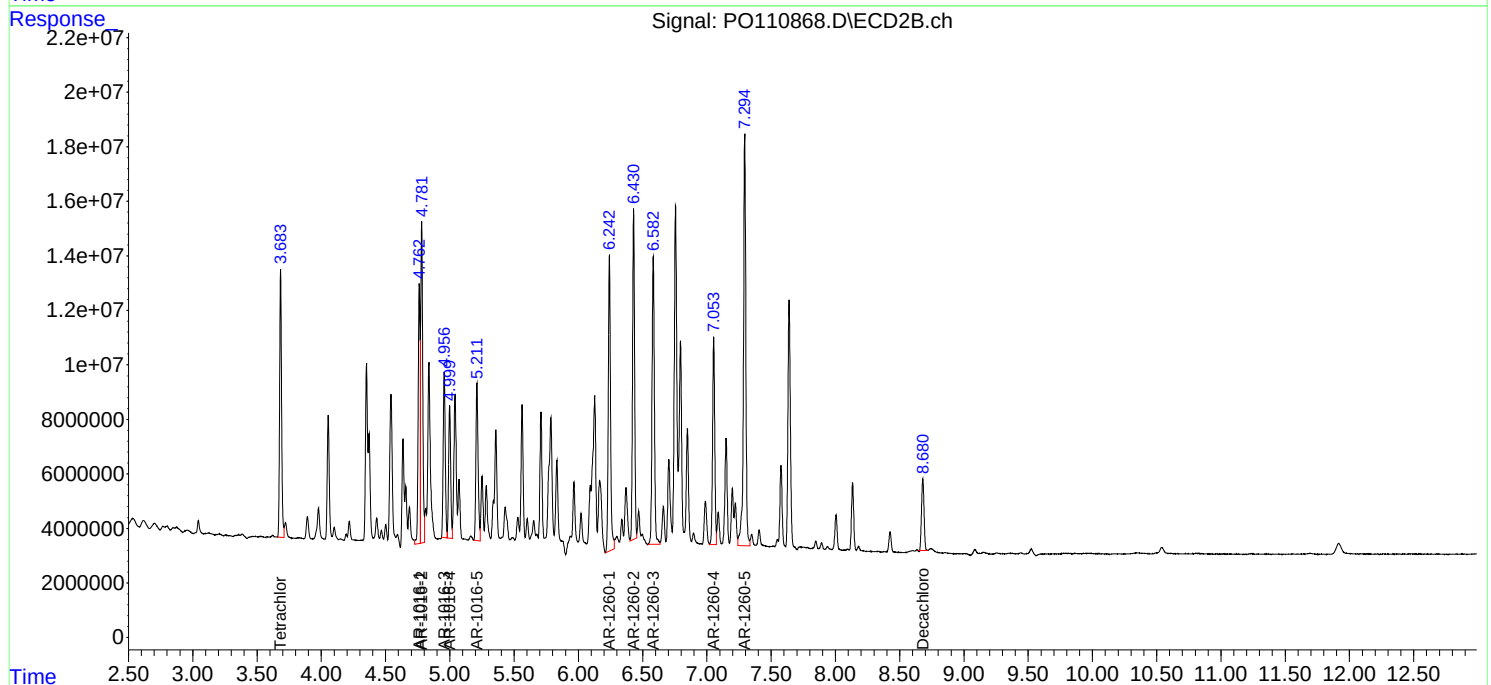
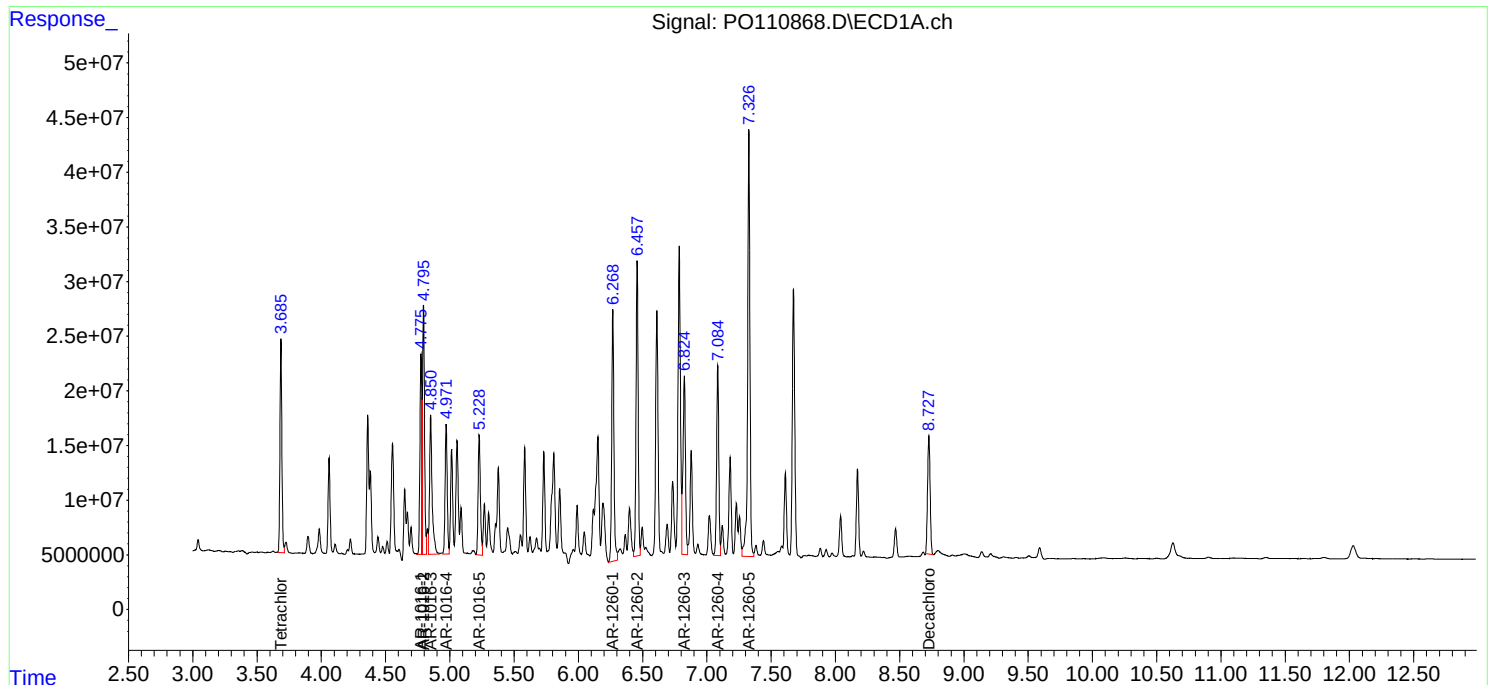
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO042925\
Data File : PO110868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Apr 2025 18:23
Operator : YP/AJ
Sample : Q1904-01MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
VNJ-210MSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 30 02:28:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO041025.M
Quant Title : GC EXTRACTABLES
QLast Update : Fri Apr 11 02:12:41 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\PP043025\
 Data File : PP071649.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Apr 2025 15:05
 Operator : YP\AJ
 Sample : Q1910-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 MOO-25-0123-27MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/01/2025
 Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 01 00:59:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Wed Apr 23 05:02:06 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...	4.509	3.810	35544758	26085299	17.928	18.518
2) SA Decachlor...	10.227	8.841	27687373	17101117	19.121	19.498
Target Compounds						
3) L1 AR-1016-1	5.663	4.894	26053011	20512189	388.562	383.165
4) L1 AR-1016-2	5.685	4.912	39688236	30323173	386.718	397.089
5) L1 AR-1016-3	5.747	5.089	22907569	13291190	371.592	314.879
6) L1 AR-1016-4	5.840	5.131	36872477	11964995	718.788	346.953 #
7) L1 AR-1016-5	6.135	5.345	20050318	17505669	415.651m	393.852m
31) L7 AR-1260-1	7.256	6.379	51501788	33007103	536.339	456.535
32) L7 AR-1260-2	7.510	6.568	187.4E6	41947994	1309.506	479.617 #
33) L7 AR-1260-3	7.868	6.721	46399695	40039468	413.898	510.788
34) L7 AR-1260-4	8.091	7.192	46463282	31726150	411.672m	502.707
35) L7 AR-1260-5	8.413	7.434	92551019	63951614	408.482	424.146

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP043025\
Data File : PP071649.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Apr 2025 15:05
Operator : YP\AJ
Sample : Q1910-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MOO-25-0123-27MSD

Manual Integrations

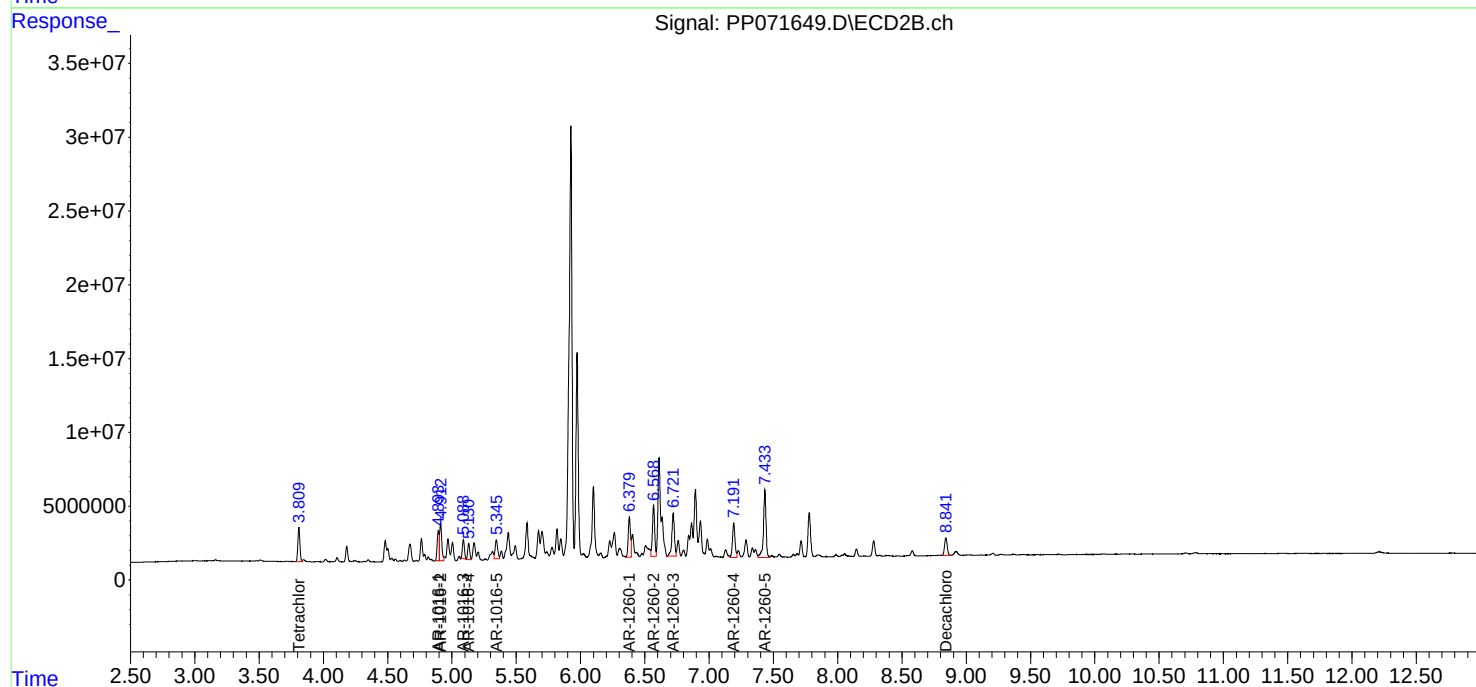
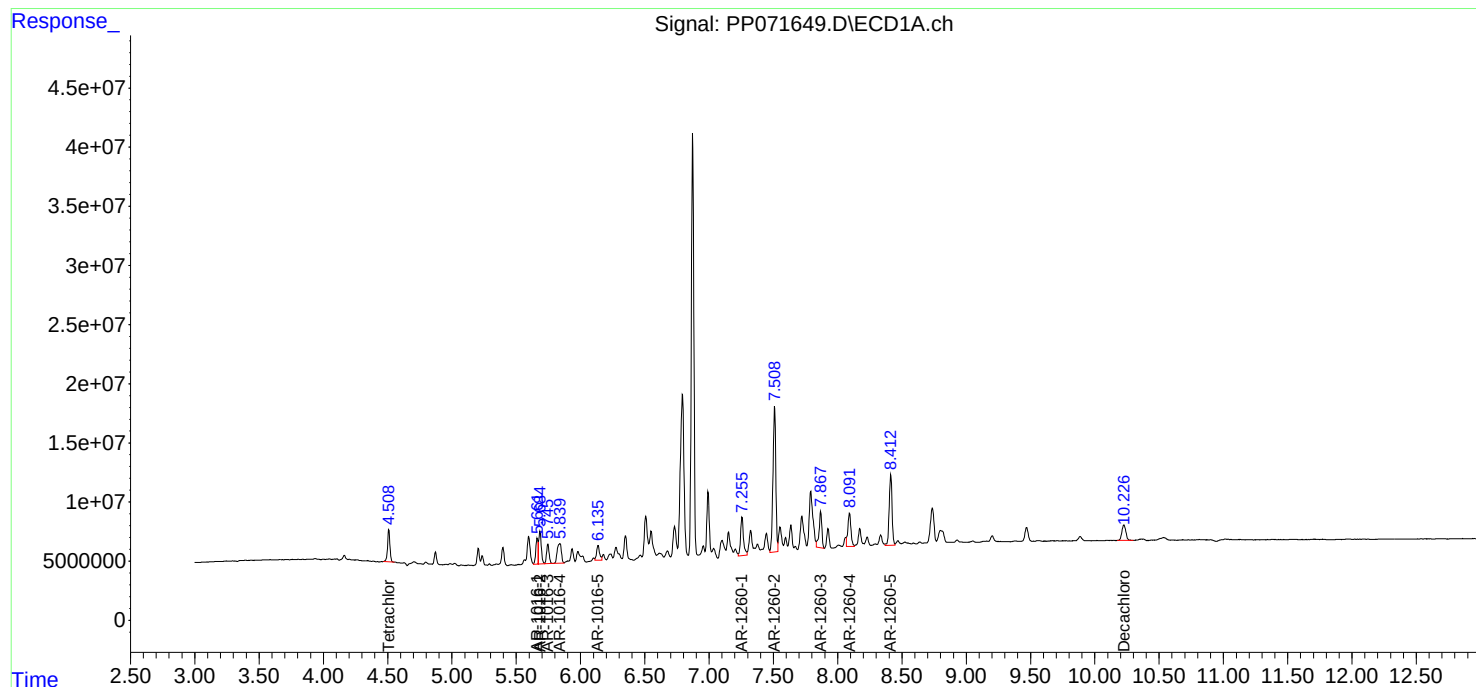
APPROVED

Reviewed By :Yogesh Patel 05/01/2025

Supervised By :mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 01 00:59:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_P\methods\PP042225.M
Quant Title : GC EXTRACTABLES
QLast Update : Wed Apr 23 05:02:06 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





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

Manual Integration Report

Sequence:

PO041025

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

PO042925

Instrument

ECD_o

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PP071393.D	AR-1260-3	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-4	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1660ICC050	PP071393.D	AR-1260-5	yogesh	4/23/2025 7:32:38 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC750	PP071407.D	AR-1254-5	yogesh	4/23/2025 7:32:40 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1254ICC050	PP071410.D	Tetrachloro-m-xylene	yogesh	4/23/2025 7:32:41 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC1000	PP071412.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:43 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC750	PP071413.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:44 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC500	PP071414.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:46 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC250	PP071415.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:48 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICC050	PP071416.D	AR-1268-2	yogesh	4/23/2025 7:32:50 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software
AR1268ICV500	PP071421.D	AR-1268-1 #2	yogesh	4/23/2025 7:32:52 AM	mohammad	4/24/2025 6:33:42	Peak Integrated by Software



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

Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
-----------	---------	-----------	-----------	-----------	---------------	---------------	--------

Manual Integration Report

Sequence:

PP042925

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1901-02	PP071622.D	Tetrachloro-m-xylene	yogesh	4/30/2025 8:57:14 AM	mohammad	5/2/2025 2:52:54	Peak Integrated by Software
AR1254CCC500	PP071632.D	AR-1254-5	yogesh	4/30/2025 8:57:17 AM	mohammad	5/2/2025 2:53:02	Peak Integrated by Software

Manual Integration Report

Sequence:	PP043025	Instrument	ECD_p
-----------	----------	------------	-------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP071638.D	AR-1254-5	yogesh	5/1/2025 7:49:14 AM	mohammad	5/2/2025 3:16:35	Peak Integrated by Software
Q1901-03	PP071643.D	Tetrachloro-m-xylene	yogesh	5/1/2025 8:35:33 AM	mohammad	5/2/2025 3:16:05	Peak Integrated by Software
Q1910-01MS	PP071648.D	AR-1016-5 #2	yogesh	5/1/2025 7:49:25 AM	mohammad	5/2/2025 3:15:49	Peak Integrated by Software
Q1910-01MS	PP071648.D	AR-1260-4	yogesh	5/1/2025 7:49:25 AM	mohammad	5/2/2025 3:15:49	Peak Integrated by Software
Q1910-01MSD	PP071649.D	AR-1016-5	yogesh	5/1/2025 7:49:27 AM	mohammad	5/2/2025 3:15:46	Peak Integrated by Software
Q1910-01MSD	PP071649.D	AR-1016-5 #2	yogesh	5/1/2025 7:49:27 AM	mohammad	5/2/2025 3:15:46	Peak Integrated by Software
Q1910-01MSD	PP071649.D	AR-1260-4	yogesh	5/1/2025 7:49:27 AM	mohammad	5/2/2025 3:15:46	Peak Integrated by Software
AR1254CCC500	PP071653.D	AR-1254-5	yogesh	5/1/2025 7:49:29 AM	mohammad	5/2/2025 3:15:43	Peak Integrated by Software
AR1254CCC500	PP071653.D	Decachlorobiphenyl #2	yogesh	5/1/2025 7:49:29 AM	mohammad	5/2/2025 3:15:43	Peak Integrated by Software
AR1254CCC500	PP071668.D	AR-1254-5	yogesh	5/1/2025 8:35:35 AM	mohammad	5/2/2025 3:17:31	Peak Integrated by Software
AR1254CCC500	PP071668.D	Decachlorobiphenyl #2	yogesh	5/1/2025 8:35:35 AM	mohammad	5/2/2025 3:17:31	Peak Integrated by Software
I.BLK	PP071669.D	Decachlorobiphenyl #2	yogesh	5/1/2025 8:35:37 AM	mohammad	5/2/2025 3:17:33	Peak Integrated by Software
AR1242CCC500	PP071676.D	Decachlorobiphenyl #2	yogesh	5/1/2025 7:49:57 AM	mohammad	5/2/2025 3:17:42	Peak Integrated by Software

Manual Integration Report

Sequence:

PP043025

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP071678.D	Decachlorobiphenyl #2	yogesh	5/1/2025 7:50:02 AM	mohammad	5/2/2025 3:17:45	Peak Integrated by Software
I.BLK	PP071679.D	Decachlorobiphenyl #2	yogesh	5/1/2025 7:50:03 AM	mohammad	5/2/2025 3:17:48	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110347.D	10 Apr 2025 08:59	YP/AJ	Ok
2	I.BLK	PO110348.D	10 Apr 2025 09:17	YP/AJ	Ok
3	AR1660ICC1000	PO110349.D	10 Apr 2025 09:36	YP/AJ	Ok
4	AR1660ICC750	PO110350.D	10 Apr 2025 09:54	YP/AJ	Ok
5	AR1660ICC500	PO110351.D	10 Apr 2025 10:13	YP/AJ	Ok
6	AR1660ICC250	PO110352.D	10 Apr 2025 10:31	YP/AJ	Ok
7	AR1660ICC050	PO110353.D	10 Apr 2025 10:49	YP/AJ	Ok
8	AR1221ICC500	PO110354.D	10 Apr 2025 11:08	YP/AJ	Ok
9	AR1232ICC500	PO110355.D	10 Apr 2025 11:26	YP/AJ	Ok
10	AR1242ICC1000	PO110356.D	10 Apr 2025 11:44	YP/AJ	Ok
11	AR1242ICC750	PO110357.D	10 Apr 2025 12:03	YP/AJ	Ok
12	AR1242ICC500	PO110358.D	10 Apr 2025 12:21	YP/AJ	Ok
13	AR1242ICC250	PO110359.D	10 Apr 2025 12:39	YP/AJ	Ok
14	AR1242ICC050	PO110360.D	10 Apr 2025 12:58	YP/AJ	Ok
15	AR1248ICC1000	PO110361.D	10 Apr 2025 13:16	YP/AJ	Ok
16	AR1248ICC750	PO110362.D	10 Apr 2025 13:35	YP/AJ	Ok
17	AR1248ICC500	PO110363.D	10 Apr 2025 13:53	YP/AJ	Ok
18	AR1248ICC250	PO110364.D	10 Apr 2025 14:11	YP/AJ	Ok
19	AR1248ICC050	PO110365.D	10 Apr 2025 14:30	YP/AJ	Ok
20	AR1254ICC1000	PO110366.D	10 Apr 2025 14:48	YP/AJ	Ok
21	AR1254ICC750	PO110367.D	10 Apr 2025 15:06	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PO110368.D	10 Apr 2025 15:25	YP/AJ	Ok
23	AR1254ICC250	PO110369.D	10 Apr 2025 15:43	YP/AJ	Ok
24	AR1254ICC050	PO110370.D	10 Apr 2025 16:02	YP/AJ	Ok
25	AR1262ICC500	PO110371.D	10 Apr 2025 16:20	YP/AJ	Ok
26	AR1268ICC1000	PO110372.D	10 Apr 2025 16:38	YP/AJ	Ok
27	AR1268ICC750	PO110373.D	10 Apr 2025 16:57	YP/AJ	Ok
28	AR1268ICC500	PO110374.D	10 Apr 2025 17:15	YP/AJ	Ok
29	AR1268ICC250	PO110375.D	10 Apr 2025 17:33	YP/AJ	Ok
30	AR1268ICC050	PO110376.D	10 Apr 2025 17:52	YP/AJ	Ok
31	PO041025ICV500	PO110377.D	10 Apr 2025 18:09	YP/AJ	Ok
32	AR1242ICV500	PO110378.D	10 Apr 2025 18:46	YP/AJ	Ok
33	AR1248ICV500	PO110379.D	10 Apr 2025 19:22	YP/AJ	Ok
34	AR1254ICV500	PO110380.D	10 Apr 2025 19:58	YP/AJ	Ok
35	AR1268ICV500	PO110381.D	10 Apr 2025 20:35	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO110845.D	29 Apr 2025 09:06	YP/AJ	Ok
2	AR1660CCC500	PO110846.D	29 Apr 2025 09:24	YP/AJ	Ok
3	AR1242CCC500	PO110847.D	29 Apr 2025 09:45	YP/AJ	Ok
4	AR1248CCC500	PO110848.D	29 Apr 2025 10:03	YP/AJ	Ok
5	AR1254CCC500	PO110849.D	29 Apr 2025 10:21	YP/AJ	Ok
6	I.BLK	PO110850.D	29 Apr 2025 10:40	YP/AJ	Ok
7	PB167765BL	PO110851.D	29 Apr 2025 10:58	YP/AJ	Not Ok
8	Q1889-01	PO110852.D	29 Apr 2025 11:16	YP/AJ	Ok
9	Q1889-01MS	PO110853.D	29 Apr 2025 11:35	YP/AJ	Ok
10	Q1889-01MSD	PO110854.D	29 Apr 2025 11:53	YP/AJ	Ok
11	Q1860-34DL	PO110855.D	29 Apr 2025 12:11	YP/AJ	Ok,M
12	Q1901-05	PO110856.D	29 Apr 2025 13:36	YP/AJ	Ok
13	Q1902-02	PO110857.D	29 Apr 2025 13:54	YP/AJ	Ok,M
14	Q1903-01	PO110858.D	29 Apr 2025 14:12	YP/AJ	Ok
15	Q1903-02	PO110859.D	29 Apr 2025 14:31	YP/AJ	Ok
16	Q1903-03	PO110860.D	29 Apr 2025 14:49	YP/AJ	Ok
17	AR1660CCC500	PO110861.D	29 Apr 2025 15:58	YP/AJ	Ok
18	AR1242CCC500	PO110862.D	29 Apr 2025 16:35	YP/AJ	Ok
19	AR1248CCC500	PO110863.D	29 Apr 2025 16:53	YP/AJ	Ok
20	AR1254CCC500	PO110864.D	29 Apr 2025 17:11	YP/AJ	Ok
21	I.BLK	PO110865.D	29 Apr 2025 17:29	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1904-01	PO110866.D	29 Apr 2025 17:48	YP/AJ	Ok
23	Q1904-01MS	PO110867.D	29 Apr 2025 18:05	YP/AJ	Ok
24	Q1904-01MSD	PO110868.D	29 Apr 2025 18:23	YP/AJ	Ok
25	Q1906-01	PO110869.D	29 Apr 2025 18:42	YP/AJ	Ok
26	Q1906-05	PO110870.D	29 Apr 2025 19:00	YP/AJ	Ok
27	Q1906-09	PO110871.D	29 Apr 2025 19:19	YP/AJ	Ok,M
28	Q1906-13	PO110872.D	29 Apr 2025 19:37	YP/AJ	Ok
29	Q1897-01	PO110873.D	29 Apr 2025 19:55	YP/AJ	Ok,M
30	Q1901-06	PO110874.D	29 Apr 2025 20:14	YP/AJ	Ok
31	Q1897-02	PO110875.D	29 Apr 2025 20:32	YP/AJ	Ok,M
32	AR1660CCC500	PO110876.D	29 Apr 2025 22:00	YP/AJ	Ok
33	AR1242CCC500	PO110877.D	29 Apr 2025 22:36	YP/AJ	Ok
34	AR1248CCC500	PO110878.D	29 Apr 2025 22:55	YP/AJ	Ok
35	AR1254CCC500	PO110879.D	29 Apr 2025 23:13	YP/AJ	Ok
36	I.BLK	PO110880.D	29 Apr 2025 23:31	YP/AJ	Ok
37	PB167790BL	PO110881.D	29 Apr 2025 23:50	YP/AJ	Ok
38	PB167790BS	PO110882.D	30 Apr 2025 00:08	YP/AJ	Ok
39	Q1909-01	PO110883.D	30 Apr 2025 00:26	YP/AJ	Ok,M
40	Q1909-02	PO110884.D	30 Apr 2025 00:45	YP/AJ	Ok,M
41	AR1660CCC500	PO110885.D	30 Apr 2025 02:11	YP/AJ	Ok
42	AR1242CCC500	PO110886.D	30 Apr 2025 02:48	YP/AJ	Ok
43	AR1248CCC500	PO110887.D	30 Apr 2025 03:06	YP/AJ	Ok
44	AR1254CCC500	PO110888.D	30 Apr 2025 03:25	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	I.BLK	PO110889.D	30 Apr 2025 03:43	YP/AJ	Ok
----	-------	------------	-------------------	-------	----

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM
SubDirectory	PP042225	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP071387.D	22 Apr 2025 09:56	YP\AJ	Ok
2	I.BLK	PP071388.D	22 Apr 2025 10:13	YP\AJ	Ok
3	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29	YP\AJ	Ok
4	AR1660ICC750	PP071390.D	22 Apr 2025 10:45	YP\AJ	Ok
5	AR1660ICC500	PP071391.D	22 Apr 2025 11:02	YP\AJ	Ok
6	AR1660ICC250	PP071392.D	22 Apr 2025 11:18	YP\AJ	Ok
7	AR1660ICC050	PP071393.D	22 Apr 2025 11:34	YP\AJ	Ok,M
8	AR1221ICC500	PP071394.D	22 Apr 2025 11:51	YP\AJ	Ok
9	AR1232ICC500	PP071395.D	22 Apr 2025 12:07	YP\AJ	Ok
10	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23	YP\AJ	Ok
11	AR1242ICC750	PP071397.D	22 Apr 2025 12:39	YP\AJ	Ok
12	AR1242ICC500	PP071398.D	22 Apr 2025 12:56	YP\AJ	Ok
13	AR1242ICC250	PP071399.D	22 Apr 2025 13:12	YP\AJ	Ok
14	AR1242ICC050	PP071400.D	22 Apr 2025 13:28	YP\AJ	Ok
15	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45	YP\AJ	Ok
16	AR1248ICC750	PP071402.D	22 Apr 2025 14:01	YP\AJ	Ok
17	AR1248ICC500	PP071403.D	22 Apr 2025 14:17	YP\AJ	Ok
18	AR1248ICC250	PP071404.D	22 Apr 2025 14:33	YP\AJ	Ok
19	AR1248ICC050	PP071405.D	22 Apr 2025 14:50	YP\AJ	Ok
20	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06	YP\AJ	Ok
21	AR1254ICC750	PP071407.D	22 Apr 2025 15:22	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM
SubDirectory	PP042225	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC500	PP071408.D	22 Apr 2025 15:38	YP\AJ	Ok
23	AR1254ICC250	PP071409.D	22 Apr 2025 15:55	YP\AJ	Ok
24	AR1254ICC050	PP071410.D	22 Apr 2025 16:11	YP\AJ	Ok,M
25	AR1262ICC500	PP071411.D	22 Apr 2025 16:27	YP\AJ	Ok
26	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44	YP\AJ	Ok,M
27	AR1268ICC750	PP071413.D	22 Apr 2025 17:00	YP\AJ	Ok,M
28	AR1268ICC500	PP071414.D	22 Apr 2025 17:16	YP\AJ	Ok,M
29	AR1268ICC250	PP071415.D	22 Apr 2025 17:33	YP\AJ	Ok,M
30	AR1268ICC050	PP071416.D	22 Apr 2025 17:49	YP\AJ	Ok,M
31	PP042225ICV500	PP071417.D	22 Apr 2025 18:05	YP\AJ	Ok
32	AR1242ICV500	PP071418.D	22 Apr 2025 18:38	YP\AJ	Ok
33	AR1248ICV500	PP071419.D	22 Apr 2025 19:27	YP\AJ	Ok
34	AR1254ICV500	PP071420.D	22 Apr 2025 19:43	YP\AJ	Ok
35	AR1268ICV500	PP071421.D	22 Apr 2025 20:16	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042925

Review By	yogesh	Review On	4/29/2025 11:08:35 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:54:00 AM
SubDirectory	PP042925	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP071598.D	29 Apr 2025 10:16	YP\AJ	Ok
2	AR1660CCC500	PP071599.D	29 Apr 2025 10:33	YP\AJ	Ok
3	AR1242CCC500	PP071600.D	29 Apr 2025 10:51	YP\AJ	Ok
4	AR1248CCC500	PP071601.D	29 Apr 2025 11:07	YP\AJ	Ok
5	AR1254CCC500	PP071602.D	29 Apr 2025 11:24	YP\AJ	Ok
6	I.BLK	PP071603.D	29 Apr 2025 11:40	YP\AJ	Ok
7	Q1860-35DL	PP071604.D	29 Apr 2025 11:56	YP\AJ	Ok,M
8	Q1884-01DL	PP071605.D	29 Apr 2025 12:12	YP\AJ	Ok,M
9	Q1884-02DL	PP071606.D	29 Apr 2025 12:29	YP\AJ	Ok,M
10	PB167776BL	PP071607.D	29 Apr 2025 13:30	YP\AJ	Ok
11	PB167776BS	PP071608.D	29 Apr 2025 13:46	YP\AJ	Ok
12	Q1883-01	PP071609.D	29 Apr 2025 14:02	YP\AJ	Ok,M
13	Q1883-03	PP071610.D	29 Apr 2025 14:19	YP\AJ	Ok
14	Q1883-05	PP071611.D	29 Apr 2025 14:35	YP\AJ	Ok
15	Q1883-07	PP071612.D	29 Apr 2025 14:51	YP\AJ	Ok
16	Q1883-09	PP071613.D	29 Apr 2025 15:08	YP\AJ	Ok
17	AR1660CCC500	PP071614.D	29 Apr 2025 16:29	YP\AJ	Ok
18	AR1242CCC500	PP071615.D	29 Apr 2025 17:02	YP\AJ	Ok
19	AR1248CCC500	PP071616.D	29 Apr 2025 17:18	YP\AJ	Ok
20	AR1254CCC500	PP071617.D	29 Apr 2025 17:34	YP\AJ	Ok
21	I.BLK	PP071618.D	29 Apr 2025 17:51	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042925

Review By	yogesh	Review On	4/29/2025 11:08:35 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:54:00 AM
SubDirectory	PP042925	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1883-11	PP071619.D	29 Apr 2025 18:07	YP\AJ	Ok
23	Q1883-13	PP071620.D	29 Apr 2025 18:23	YP\AJ	Ok
24	Q1883-15	PP071621.D	29 Apr 2025 18:40	YP\AJ	Ok
25	Q1901-02	PP071622.D	29 Apr 2025 18:56	YP\AJ	Ok,M
26	Q1901-04	PP071623.D	29 Apr 2025 19:12	YP\AJ	Ok
27	PB167782BL	PP071624.D	29 Apr 2025 19:29	YP\AJ	Ok
28	PB167782BS	PP071625.D	29 Apr 2025 19:45	YP\AJ	Ok
29	PB167782BSD	PP071626.D	29 Apr 2025 20:01	YP\AJ	Ok
30	Q1890-01	PP071627.D	29 Apr 2025 20:18	YP\AJ	Ok
31	Q1896-03	PP071628.D	29 Apr 2025 20:34	YP\AJ	Ok,M
32	AR1660CCC500	PP071629.D	29 Apr 2025 21:55	YP\AJ	Ok
33	AR1242CCC500	PP071630.D	29 Apr 2025 22:28	YP\AJ	Ok
34	AR1248CCC500	PP071631.D	29 Apr 2025 22:44	YP\AJ	Ok
35	AR1254CCC500	PP071632.D	29 Apr 2025 23:01	YP\AJ	Ok,M
36	I.BLK	PP071633.D	29 Apr 2025 23:17	YP\AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PP071634.D	30 Apr 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP071635.D	30 Apr 2025 09:07	YP\AJ	Ok
3	AR1242CCC500	PP071636.D	30 Apr 2025 09:28	YP\AJ	Ok
4	AR1248CCC500	PP071637.D	30 Apr 2025 09:45	YP\AJ	Ok
5	AR1254CCC500	PP071638.D	30 Apr 2025 10:01	YP\AJ	Ok,M
6	I.BLK	PP071639.D	30 Apr 2025 10:17	YP\AJ	Ok
7	Q1867-01DL	PP071640.D	30 Apr 2025 11:09	YP\AJ	Ok,M
8	PB167794BL	PP071641.D	30 Apr 2025 12:39	YP\AJ	Ok
9	PB167794BS	PP071642.D	30 Apr 2025 12:56	YP\AJ	Ok
10	Q1901-03	PP071643.D	30 Apr 2025 13:12	YP\AJ	Ok,M
11	Q1905-01	PP071644.D	30 Apr 2025 13:28	YP\AJ	Ok,M
12	Q1860-09	PP071645.D	30 Apr 2025 13:44	YP\AJ	Dilution
13	Q1860-09DL	PP071646.D	30 Apr 2025 14:01	YP\AJ	Ok,M
14	Q1910-01	PP071647.D	30 Apr 2025 14:33	YP\AJ	Ok,M
15	Q1910-01MS	PP071648.D	30 Apr 2025 14:49	YP\AJ	Ok,M
16	Q1910-01MSD	PP071649.D	30 Apr 2025 15:05	YP\AJ	Ok,M
17	AR1660CCC500	PP071650.D	30 Apr 2025 16:11	YP\AJ	Ok
18	AR1242CCC500	PP071651.D	30 Apr 2025 16:27	YP\AJ	Ok
19	AR1248CCC500	PP071652.D	30 Apr 2025 16:43	YP\AJ	Ok
20	AR1254CCC500	PP071653.D	30 Apr 2025 17:00	YP\AJ	Ok,M
21	I.BLK	PP071654.D	30 Apr 2025 17:16	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QCBatch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP2		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	Q1911-01	PP071655.D	30 Apr 2025 17:33	YP\AJ	Ok,M
23	Q1912-01	PP071656.D	30 Apr 2025 17:49	YP\AJ	Ok,M
24	Q1912-05	PP071657.D	30 Apr 2025 18:06	YP\AJ	Ok,M
25	Q1905-05	PP071658.D	30 Apr 2025 18:22	YP\AJ	Ok,M
26	Q1907-01	PP071659.D	30 Apr 2025 18:38	YP\AJ	Ok,M
27	Q1921-01	PP071660.D	30 Apr 2025 18:55	YP\AJ	Ok,M
28	Q1921-02	PP071661.D	30 Apr 2025 19:11	YP\AJ	Ok,M
29	Q1921-03	PP071662.D	30 Apr 2025 19:27	YP\AJ	Ok,M
30	Q1921-04	PP071663.D	30 Apr 2025 19:44	YP\AJ	Ok,M
31	Q1921-05	PP071664.D	30 Apr 2025 20:00	YP\AJ	Ok,M
32	AR1660CCC500	PP071665.D	30 Apr 2025 21:38	YP\AJ	Ok
33	AR1242CCC500	PP071666.D	30 Apr 2025 22:11	YP\AJ	Ok
34	AR1248CCC500	PP071667.D	30 Apr 2025 22:27	YP\AJ	Ok
35	AR1254CCC500	PP071668.D	30 Apr 2025 22:44	YP\AJ	Ok,M
36	I.BLK	PP071669.D	30 Apr 2025 23:00	YP\AJ	Ok,M
37	PB167809BL	PP071670.D	30 Apr 2025 23:16	YP\AJ	Ok
38	PB167809BS	PP071671.D	30 Apr 2025 23:33	YP\AJ	Ok
39	Q1921-06	PP071672.D	30 Apr 2025 23:49	YP\AJ	Ok
40	Q1921-07	PP071673.D	01 May 2025 00:05	YP\AJ	Ok,M
41	Q1921-08	PP071674.D	01 May 2025 00:22	YP\AJ	Ok,M
42	AR1660CCC500	PP071675.D	01 May 2025 02:00	YP\AJ	Ok
43	AR1242CCC500	PP071676.D	01 May 2025 02:49	YP\AJ	Ok,M
44	AR1248CCC500	PP071677.D	01 May 2025 03:05	YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387,PP24388,PP24389,PP24390,PP24391,PP24392,PP24393,PP24394,PP24395,PP24396,PP24397,PP24398,PP24399		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	AR1254CCC500	PP071678.D	01 May 2025 03:21	YP\AJ	Ok,M
46	I.BLK	PP071679.D	01 May 2025 03:38	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110347.D	10 Apr 2025 08:59		YP/AJ	Ok
2	I.BLK	I.BLK	PO110348.D	10 Apr 2025 09:17		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO110349.D	10 Apr 2025 09:36		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO110350.D	10 Apr 2025 09:54		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO110351.D	10 Apr 2025 10:13		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO110352.D	10 Apr 2025 10:31		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO110353.D	10 Apr 2025 10:49		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO110354.D	10 Apr 2025 11:08		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO110355.D	10 Apr 2025 11:26		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO110356.D	10 Apr 2025 11:44		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO110357.D	10 Apr 2025 12:03		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO110358.D	10 Apr 2025 12:21		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO110359.D	10 Apr 2025 12:39		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO110360.D	10 Apr 2025 12:58		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO110361.D	10 Apr 2025 13:16		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO110362.D	10 Apr 2025 13:35		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO110363.D	10 Apr 2025 13:53		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO110364.D	10 Apr 2025 14:11		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO041025

Review By	yogesh	Review On	4/10/2025 11:27:35 AM
Supervise By	mohammad	Supervise On	4/14/2025 12:40:29 AM
SubDirectory	PO041025	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PO110365.D	10 Apr 2025 14:30		YP/AJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PO110366.D	10 Apr 2025 14:48		YP/AJ	Ok
21	AR1254ICC750	AR1254ICC750	PO110367.D	10 Apr 2025 15:06		YP/AJ	Ok
22	AR1254ICC500	AR1254ICC500	PO110368.D	10 Apr 2025 15:25		YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO110369.D	10 Apr 2025 15:43		YP/AJ	Ok
24	AR1254ICC050	AR1254ICC050	PO110370.D	10 Apr 2025 16:02		YP/AJ	Ok
25	AR1262ICC500	AR1262ICC500	PO110371.D	10 Apr 2025 16:20		YP/AJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PO110372.D	10 Apr 2025 16:38		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO110373.D	10 Apr 2025 16:57		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO110374.D	10 Apr 2025 17:15		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO110375.D	10 Apr 2025 17:33		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO110376.D	10 Apr 2025 17:52		YP/AJ	Ok
31	PO041025ICV500	ICVPO041025	PO110377.D	10 Apr 2025 18:09		YP/AJ	Ok
32	AR1242ICV500	ICVPO041025AR1242	PO110378.D	10 Apr 2025 18:46		YP/AJ	Ok
33	AR1248ICV500	ICVPO041025AR1248	PO110379.D	10 Apr 2025 19:22		YP/AJ	Ok
34	AR1254ICV500	ICVPO041025AR1254	PO110380.D	10 Apr 2025 19:58		YP/AJ	Ok
35	AR1268ICV500	ICVPO041025AR1268	PO110381.D	10 Apr 2025 20:35		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369
CCC	PP24332,PP24347,PP24352,PP24357
Internal Standard/PEM	
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO110845.D	29 Apr 2025 09:06		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO110846.D	29 Apr 2025 09:24		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO110847.D	29 Apr 2025 09:45		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO110848.D	29 Apr 2025 10:03		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO110849.D	29 Apr 2025 10:21		YP/AJ	Ok
6	I.BLK	I.BLK	PO110850.D	29 Apr 2025 10:40		YP/AJ	Ok
7	PB167765BL	PB167765BL	PO110851.D	29 Apr 2025 10:58		YP/AJ	Not Ok
8	Q1889-01	COMP-1	PO110852.D	29 Apr 2025 11:16		YP/AJ	Ok
9	Q1889-01MS	COMP-1MS	PO110853.D	29 Apr 2025 11:35		YP/AJ	Ok
10	Q1889-01MSD	COMP-1MSD	PO110854.D	29 Apr 2025 11:53		YP/AJ	Ok
11	Q1860-34DL	P001-SS028-01DL	PO110855.D	29 Apr 2025 12:11	AR1248 + AR1254 + AR1260 Hit, DCB High in both column	YP/AJ	Ok,M
12	Q1901-05	B-170-SB02	PO110856.D	29 Apr 2025 13:36		YP/AJ	Ok
13	Q1902-02	343	PO110857.D	29 Apr 2025 13:54		YP/AJ	Ok,M
14	Q1903-01	COMP-4	PO110858.D	29 Apr 2025 14:12		YP/AJ	Ok
15	Q1903-02	COMP-5	PO110859.D	29 Apr 2025 14:31		YP/AJ	Ok
16	Q1903-03	COMP-6	PO110860.D	29 Apr 2025 14:49		YP/AJ	Ok
17	AR1660CCC500	AR1660CCC500	PO110861.D	29 Apr 2025 15:58		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	AR1242CCC500	AR1242CCC500	PO110862.D	29 Apr 2025 16:35		YP/AJ	Ok
19	AR1248CCC500	AR1248CCC500	PO110863.D	29 Apr 2025 16:53		YP/AJ	Ok
20	AR1254CCC500	AR1254CCC500	PO110864.D	29 Apr 2025 17:11		YP/AJ	Ok
21	I.BLK	I.BLK	PO110865.D	29 Apr 2025 17:29		YP/AJ	Ok
22	Q1904-01	VNJ-210	PO110866.D	29 Apr 2025 17:48		YP/AJ	Ok
23	Q1904-01MS	VNJ-210MS	PO110867.D	29 Apr 2025 18:05		YP/AJ	Ok
24	Q1904-01MSD	VNJ-210MSD	PO110868.D	29 Apr 2025 18:23		YP/AJ	Ok
25	Q1906-01	WC-4	PO110869.D	29 Apr 2025 18:42		YP/AJ	Ok
26	Q1906-05	WC-5	PO110870.D	29 Apr 2025 19:00		YP/AJ	Ok
27	Q1906-09	WC-6	PO110871.D	29 Apr 2025 19:19		YP/AJ	Ok,M
28	Q1906-13	WC-7	PO110872.D	29 Apr 2025 19:37		YP/AJ	Ok
29	Q1897-01	40125	PO110873.D	29 Apr 2025 19:55	AR1242 Hit	YP/AJ	Ok,M
30	Q1901-06	FB04262025	PO110874.D	29 Apr 2025 20:14		YP/AJ	Ok
31	Q1897-02	41425	PO110875.D	29 Apr 2025 20:32		YP/AJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PO110876.D	29 Apr 2025 22:00		YP/AJ	Ok
33	AR1242CCC500	AR1242CCC500	PO110877.D	29 Apr 2025 22:36		YP/AJ	Ok
34	AR1248CCC500	AR1248CCC500	PO110878.D	29 Apr 2025 22:55		YP/AJ	Ok
35	AR1254CCC500	AR1254CCC500	PO110879.D	29 Apr 2025 23:13		YP/AJ	Ok
36	I.BLK	I.BLK	PO110880.D	29 Apr 2025 23:31		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO042925

Review By	yogesh	Review On	4/29/2025 11:07:42 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:51:07 AM
SubDirectory	PO042925	HP Acquire Method	HP Processing Method PO041025
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

37	PB167790BL	PB167790BL	PO110881.D	29 Apr 2025 23:50		YP/AJ	Ok
38	PB167790BS	PB167790BS	PO110882.D	30 Apr 2025 00:08		YP/AJ	Ok
39	Q1909-01	KMH358F-1-1	PO110883.D	30 Apr 2025 00:26	AR1254 Hit	YP/AJ	Ok,M
40	Q1909-02	KMH358F-1-2	PO110884.D	30 Apr 2025 00:45	AR1254 Hit	YP/AJ	Ok,M
41	AR1660CCC500	AR1660CCC500	PO110885.D	30 Apr 2025 02:11		YP/AJ	Ok
42	AR1242CCC500	AR1242CCC500	PO110886.D	30 Apr 2025 02:48		YP/AJ	Ok
43	AR1248CCC500	AR1248CCC500	PO110887.D	30 Apr 2025 03:06		YP/AJ	Ok
44	AR1254CCC500	AR1254CCC500	PO110888.D	30 Apr 2025 03:25		YP/AJ	Ok
45	I.BLK	I.BLK	PO110889.D	30 Apr 2025 03:43		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM
SubDirectory	PP042225	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP071387.D	22 Apr 2025 09:56		YP\AJ	Ok
2	I.BLK	I.BLK	PP071388.D	22 Apr 2025 10:13		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PP071389.D	22 Apr 2025 10:29		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PP071390.D	22 Apr 2025 10:45		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PP071391.D	22 Apr 2025 11:02		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PP071392.D	22 Apr 2025 11:18		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PP071393.D	22 Apr 2025 11:34		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PP071394.D	22 Apr 2025 11:51		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PP071395.D	22 Apr 2025 12:07		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PP071396.D	22 Apr 2025 12:23		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PP071397.D	22 Apr 2025 12:39		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PP071398.D	22 Apr 2025 12:56		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PP071399.D	22 Apr 2025 13:12		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PP071400.D	22 Apr 2025 13:28		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PP071401.D	22 Apr 2025 13:45		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PP071402.D	22 Apr 2025 14:01		YP\AJ	Ok
17	AR1248ICC500	AR1248ICC500	PP071403.D	22 Apr 2025 14:17		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PP071404.D	22 Apr 2025 14:33		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042225

Review By	yogesh	Review On	4/22/2025 1:34:56 PM
Supervise By	mohammad	Supervise On	4/24/2025 6:33:42 AM
SubDirectory	PP042225	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24332,PP24347,PP24352,PP24357 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC050	AR1248ICC050	PP071405.D	22 Apr 2025 14:50		YPIAJ	Ok
20	AR1254ICC1000	AR1254ICC1000	PP071406.D	22 Apr 2025 15:06		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PP071407.D	22 Apr 2025 15:22		YPIAJ	Ok,M
22	AR1254ICC500	AR1254ICC500	PP071408.D	22 Apr 2025 15:38		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PP071409.D	22 Apr 2025 15:55		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PP071410.D	22 Apr 2025 16:11		YPIAJ	Ok,M
25	AR1262ICC500	AR1262ICC500	PP071411.D	22 Apr 2025 16:27		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PP071412.D	22 Apr 2025 16:44		YPIAJ	Ok,M
27	AR1268ICC750	AR1268ICC750	PP071413.D	22 Apr 2025 17:00		YPIAJ	Ok,M
28	AR1268ICC500	AR1268ICC500	PP071414.D	22 Apr 2025 17:16		YPIAJ	Ok,M
29	AR1268ICC250	AR1268ICC250	PP071415.D	22 Apr 2025 17:33		YPIAJ	Ok,M
30	AR1268ICC050	AR1268ICC050	PP071416.D	22 Apr 2025 17:49		YPIAJ	Ok,M
31	PP042225ICV500	ICVPP042225	PP071417.D	22 Apr 2025 18:05		YPIAJ	Ok
32	AR1242ICV500	ICVPP042225AR1242	PP071418.D	22 Apr 2025 18:38		YPIAJ	Ok
33	AR1248ICV500	ICVPP042225AR1248	PP071419.D	22 Apr 2025 19:27		YPIAJ	Ok
34	AR1254ICV500	ICVPP042225AR1254	PP071420.D	22 Apr 2025 19:43		YPIAJ	Ok
35	AR1268ICV500	ICVPP042225AR1268	PP071421.D	22 Apr 2025 20:16		YPIAJ	Ok,M

M : Manual Integration

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042925

Review By	yogesh	Review On	4/29/2025 11:08:35 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:54:00 AM
SubDirectory	PP042925	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,PP24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP071598.D	29 Apr 2025 10:16		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP071599.D	29 Apr 2025 10:33		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP071600.D	29 Apr 2025 10:51		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP071601.D	29 Apr 2025 11:07		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP071602.D	29 Apr 2025 11:24		YP\AJ	Ok
6	I.BLK	I.BLK	PP071603.D	29 Apr 2025 11:40		YP\AJ	Ok
7	Q1860-35DL	P001-SS029-01DL	PP071604.D	29 Apr 2025 11:56	AR1248+AR1254+AR1260 Hit	YP\AJ	Ok,M
8	Q1884-01DL	P001-SS037-01DL	PP071605.D	29 Apr 2025 12:12	AR1248 + AR1254 + AR1260 Hit, DCB High in both col, TCMX High in 2nd col	YP\AJ	Ok,M
9	Q1884-02DL	P001-SS038-01DL	PP071606.D	29 Apr 2025 12:29	AR1254 + AR1260 Hit, DCB High in both col	YP\AJ	Ok,M
10	PB167776BL	PB167776BL	PP071607.D	29 Apr 2025 13:30		YP\AJ	Ok
11	PB167776BS	PB167776BS	PP071608.D	29 Apr 2025 13:46		YP\AJ	Ok
12	Q1883-01	OU4-PCS-TC-27-0423	PP071609.D	29 Apr 2025 14:02		YP\AJ	Ok,M
13	Q1883-03	OU4-PCS-TC-28-0423	PP071610.D	29 Apr 2025 14:19		YP\AJ	Ok
14	Q1883-05	OU4-PCS-TC-29-0423	PP071611.D	29 Apr 2025 14:35		YP\AJ	Ok
15	Q1883-07	OU4-PCS-TC-30-0423	PP071612.D	29 Apr 2025 14:51		YP\AJ	Ok
16	Q1883-09	OU4-PCS-TC-31-0423	PP071613.D	29 Apr 2025 15:08		YP\AJ	Ok
17	AR1660CCC500	AR1660CCC500	PP071614.D	29 Apr 2025 16:29		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042925

Review By	yogesh	Review On	4/29/2025 11:08:35 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:54:00 AM
SubDirectory	PP042925	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369 PP24332,PP24347,PP24352,PP24357 PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

18	AR1242CCC500	AR1242CCC500	PP071615.D	29 Apr 2025 17:02	YPIAJ	Ok
19	AR1248CCC500	AR1248CCC500	PP071616.D	29 Apr 2025 17:18	YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP071617.D	29 Apr 2025 17:34	YPIAJ	Ok
21	I.BLK	I.BLK	PP071618.D	29 Apr 2025 17:51	YPIAJ	Ok
22	Q1883-11	OU4-PCS-TC-32-04232	PP071619.D	29 Apr 2025 18:07	YPIAJ	Ok
23	Q1883-13	OU4-VSL-18-042325	PP071620.D	29 Apr 2025 18:23	YPIAJ	Ok
24	Q1883-15	OU4-VSL-19-042325	PP071621.D	29 Apr 2025 18:40	YPIAJ	Ok
25	Q1901-02	B-167-SB01	PP071622.D	29 Apr 2025 18:56	YPIAJ	Ok,M
26	Q1901-04	B-167-SB02	PP071623.D	29 Apr 2025 19:12	YPIAJ	Ok
27	PB167782BL	PB167782BL	PP071624.D	29 Apr 2025 19:29	YPIAJ	Ok
28	PB167782BS	PB167782BS	PP071625.D	29 Apr 2025 19:45	YPIAJ	Ok
29	PB167782BSD	PB167782BSD	PP071626.D	29 Apr 2025 20:01	YPIAJ	Ok
30	Q1890-01	TW-WTS-07	PP071627.D	29 Apr 2025 20:18	YPIAJ	Ok
31	Q1896-03	295-BERGEN-FRAC	PP071628.D	29 Apr 2025 20:34	YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP071629.D	29 Apr 2025 21:55	YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PP071630.D	29 Apr 2025 22:28	YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PP071631.D	29 Apr 2025 22:44	YPIAJ	Ok
35	AR1254CCC500	AR1254CCC500	PP071632.D	29 Apr 2025 23:01	YPIAJ	Ok,M
36	I.BLK	I.BLK	PP071633.D	29 Apr 2025 23:17	YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP042925

Review By	yogesh	Review On	4/29/2025 11:08:35 AM
Supervise By	mohammad	Supervise On	5/2/2025 2:54:00 AM
SubDirectory	PP042925	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

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

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PP071634.D	30 Apr 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP071635.D	30 Apr 2025 09:07		YP\AJ	Ok
3	AR1242CCC500	AR1242CCC500	PP071636.D	30 Apr 2025 09:28		YP\AJ	Ok
4	AR1248CCC500	AR1248CCC500	PP071637.D	30 Apr 2025 09:45		YP\AJ	Ok
5	AR1254CCC500	AR1254CCC500	PP071638.D	30 Apr 2025 10:01		YP\AJ	Ok,M
6	I.BLK	I.BLK	PP071639.D	30 Apr 2025 10:17		YP\AJ	Ok
7	Q1867-01DL	RBR200059DL	PP071640.D	30 Apr 2025 11:09	AR1248 + AR1254 Hit	YP\AJ	Ok,M
8	PB167794BL	PB167794BL	PP071641.D	30 Apr 2025 12:39		YP\AJ	Ok
9	PB167794BS	PB167794BS	PP071642.D	30 Apr 2025 12:56		YP\AJ	Ok
10	Q1901-03	B-170-SB01	PP071643.D	30 Apr 2025 13:12		YP\AJ	Ok,M
11	Q1905-01	MH-G	PP071644.D	30 Apr 2025 13:28		YP\AJ	Ok,M
12	Q1860-09	P001-SS006-01	PP071645.D	30 Apr 2025 13:44	AR1260 Hit, Need 5X Dilution	YP\AJ	Dilution
13	Q1860-09DL	P001-SS006-01DL	PP071646.D	30 Apr 2025 14:01	AR1260 Hit	YP\AJ	Ok,M
14	Q1910-01	MOO-25-0123-27	PP071647.D	30 Apr 2025 14:33		YP\AJ	Ok,M
15	Q1910-01MS	MOO-25-0123-27MS	PP071648.D	30 Apr 2025 14:49		YP\AJ	Ok,M
16	Q1910-01MSD	MOO-25-0123-27MSD	PP071649.D	30 Apr 2025 15:05		YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP071650.D	30 Apr 2025 16:11		YP\AJ	Ok
18	AR1242CCC500	AR1242CCC500	PP071651.D	30 Apr 2025 16:27		YP\AJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248CCC500	AR1248CCC500	PP071652.D	30 Apr 2025 16:43		YPIAJ	Ok
20	AR1254CCC500	AR1254CCC500	PP071653.D	30 Apr 2025 17:00		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP071654.D	30 Apr 2025 17:16		YPIAJ	Ok
22	Q1911-01	EO-03-04292025	PP071655.D	30 Apr 2025 17:33		YPIAJ	Ok,M
23	Q1912-01	MH-E	PP071656.D	30 Apr 2025 17:49		YPIAJ	Ok,M
24	Q1912-05	MH-F	PP071657.D	30 Apr 2025 18:06		YPIAJ	Ok,M
25	Q1905-05	MH-H	PP071658.D	30 Apr 2025 18:22		YPIAJ	Ok,M
26	Q1907-01	CO-8R-WC	PP071659.D	30 Apr 2025 18:38	AR1254 & AR1260 hits	YPIAJ	Ok,M
27	Q1921-01	BC226751-1-1	PP071660.D	30 Apr 2025 18:55		YPIAJ	Ok,M
28	Q1921-02	BC226751-1-2	PP071661.D	30 Apr 2025 19:11		YPIAJ	Ok,M
29	Q1921-03	BC274768-1-1	PP071662.D	30 Apr 2025 19:27		YPIAJ	Ok,M
30	Q1921-04	BC274768-1-2	PP071663.D	30 Apr 2025 19:44		YPIAJ	Ok,M
31	Q1921-05	BC271327-1-1	PP071664.D	30 Apr 2025 20:00		YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP071665.D	30 Apr 2025 21:38		YPIAJ	Ok
33	AR1242CCC500	AR1242CCC500	PP071666.D	30 Apr 2025 22:11		YPIAJ	Ok
34	AR1248CCC500	AR1248CCC500	PP071667.D	30 Apr 2025 22:27		YPIAJ	Ok
35	AR1254CCC500	AR1254CCC500	PP071668.D	30 Apr 2025 22:44		YPIAJ	Ok,M
36	I.BLK	I.BLK	PP071669.D	30 Apr 2025 23:00		YPIAJ	Ok,M
37	PB167809BL	PB167809BL	PP071670.D	30 Apr 2025 23:16		YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP043025

Review By	yogesh	Review On	4/30/2025 11:33:57 AM
Supervise By	mohammad	Supervise On	5/2/2025 3:18:29 AM
SubDirectory	PP043025	HP Acquire Method	HP Processing Method PP042225
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24330,PP24331,PP24332,PP24333,PP24334,PP24335,PP24336,PP24337,PP24338,PP24339,PP24340,PP24341,PP24342,PP24343,PP24344,P P24345,PP24346,PP24347,PP24348,PP24349,PP24350,PP24351,PP24352,PP24353,PP24354,PP24355,PP24356,PP24357,PP24358,PP24359,PP 24360,PP24361,PP24362,PP24363,PP24364,PP24365,PP24366,PP24367,PP24368,PP24369		
CCC	PP24332,PP24347,PP24352,PP24357		
Internal Standard/PEM			
ICV/I.BLK	PP24370,PP24371,PP24372,PP24373,PP24374,PP24375,PP24376,PP24377,PP24378,PP24379,PP24380,PP24381,PP24382,PP24384,PP24385,PP24386,PP24387		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	PB167809BS	PB167809BS	PP071671.D	30 Apr 2025 23:33		YPIAJ	Ok
39	Q1921-06	BC271327-1-2	PP071672.D	30 Apr 2025 23:49		YPIAJ	Ok
40	Q1921-07	BC248150-1-1	PP071673.D	01 May 2025 00:05	DCB high in 1st column	YPIAJ	Ok,M
41	Q1921-08	BC248150-1-2	PP071674.D	01 May 2025 00:22	DCB high in 2nd column	YPIAJ	Ok,M
42	AR1660CCC500	AR1660CCC500	PP071675.D	01 May 2025 02:00		YPIAJ	Ok
43	AR1242CCC500	AR1242CCC500	PP071676.D	01 May 2025 02:49		YPIAJ	Ok,M
44	AR1248CCC500	AR1248CCC500	PP071677.D	01 May 2025 03:05		YPIAJ	Ok
45	AR1254CCC500	AR1254CCC500	PP071678.D	01 May 2025 03:21		YPIAJ	Ok,M
46	I.BLK	I.BLK	PP071679.D	01 May 2025 03:38		YPIAJ	Ok,M

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	04/29/2025
Matrix :	Solid	Extraction Start Time :	08:35
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Concentration By:	EH
		Supervisor By :	RUPESH

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

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

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
4/29/25 11:40	RS (Ext. Lab)	R. P. 81/PLB Lab
	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/29/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167776BL	ABLK776	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167776BS	ALCS776	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1883-01	OU4-PCS-TC-27-042325	PCB	30.05	N/A	ritesh	Evelyn	10	E		3
Q1883-03	OU4-PCS-TC-28-042325	PCB	30.06	N/A	ritesh	Evelyn	10	E		4
Q1883-05	OU4-PCS-TC-29-042325	PCB	30.02	N/A	ritesh	Evelyn	10	E		5
Q1883-07	OU4-PCS-TC-30-042325	PCB	30.05	N/A	ritesh	Evelyn	10	E		6
Q1883-09	OU4-PCS-TC-31-042325	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
Q1883-11	OU4-PCS-TC-32-042325	PCB	30.03	N/A	ritesh	Evelyn	10	E		2
Q1883-13	OU4-PCS-18-042325 VSL	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1883-15	OU4-PCS-19-042325 VSL	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q1901-02	B-167-SB01	PCB	30.07	N/A	ritesh	Evelyn	10	F		5
Q1901-04	B-167-SB02	PCB	30.03	N/A	ritesh	Evelyn	10	E		6
Q1901-05	B-170-SB02	PCB	30.04	N/A	ritesh	Evelyn	10	E		U2-1
Q1902-02	343	PCB	30.05	N/A	ritesh	Evelyn	10	D		2
Q1903-01	COMP-4	PCB Group1	30.02	N/A	ritesh	Evelyn	10	E		3
Q1903-02	COMP-5	PCB Group1	30.06	N/A	ritesh	Evelyn	10	E		4
Q1903-03	COMP-6	PCB Group1	30.08	N/A	ritesh	Evelyn	10	E		5
Q1904-01	VNJ-210	PCB	30.06	N/A	ritesh	Evelyn	10	H		6
Q1904-01MS	VNJ-210MS	PCB	30.03	N/A	ritesh	Evelyn	10	H		U3-1
Q1904-01MS D	VNJ-210MSD	PCB	30.05	N/A	ritesh	Evelyn	10	H		2
Q1906-01	WC-4	PCB	30.04	N/A	ritesh	Evelyn	10	D		3
Q1906-05	WC-5	PCB	30.01	N/A	ritesh	Evelyn	10	D		4
Q1906-09	WC-6	PCB	30.09	N/A	ritesh	Evelyn	10	D		5
Q1906-13	WC-7	PCB	30.02	N/A	ritesh	Evelyn	10	D		6

* Extracts relinquished on the same date as received.

RS
4/29

9:44:41 AM
04/29/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1883p WorkList ID : 189197 Department : Extraction Date : 04-29-2025 08:25:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1883-01	OU4-PCS-TC-27-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-03	OU4-PCS-TC-28-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-05	OU4-PCS-TC-29-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-07	OU4-PCS-TC-30-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-09	OU4-PCS-TC-31-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-11	OU4-PCS-TC-32-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-13	OU4-PCS-18-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1883-15	OU4-PCS-19-042325	Solid	PCB	Cool 4 deg C	NOBI03	L41	04/23/2025	8082A
Q1901-02	B-167-SB01	Solid	PCB	Cool 4 deg C	PORT06	L51	04/26/2025	8082A
Q1901-04	B-167-SB02	Solid	PCB	Cool 4 deg C	PORT06	L51	04/26/2025	8082A
Q1901-05	B-170-SB02	Solid	PCB	Cool 4 deg C	PORT06	L51	04/26/2025	8082A
Q1902-02	343	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A
Q1903-01	COMP-4	Solid	PCB Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8082A
Q1903-02	COMP-5	Solid	PCB Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8082A
Q1903-03	COMP-6	Solid	PCB Group1	Cool 4 deg C	POWE02	L51	04/25/2025	8082A
Q1904-01	VNJ-210	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A
Q1906-01	WC-4	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A
Q1906-05	WC-5	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A
Q1906-09	WC-6	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A
Q1906-13	WC-7	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/28/2025	8082A

Date/Time 04/29/25 8:27
Raw Sample Received by: RS (FAT-146)
Raw Sample Relinquished by: CR SR

Date/Time 04/29/25 9:00
Raw Sample Received by: CR SR
Raw Sample Relinquished by: RS (FAT-146)



SOP ID: M3510C,3580A-Extraction PCB-14			
Clean Up SOP #: Acid Cleanup		Extraction Start Date : 04/29/2025	
Matrix : Water		Extraction Start Time : 08:55	
Weigh By: N/A	Extraction By: RS	Extraction End Date : 04/29/2025	
Balance check: N/A	Filter By: RJ	Extraction End Time : 13:35	
Balance ID: N/A	pH Meter ID: N/A	Concentration By: EH	
pH Strip Lot#: E3880	Hood ID: 4,6,7	Supervisor By : RUPESH	

Extraction Method:
☒ Separatory Funnel
 ☐ Continuous Liquid/Liquid
 ☐ Sonication
 ☐ Waste Dilution
 ☐ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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	E3926
Baked Na2SO4	N/A	EP2607
Hexane	N/A	E3928
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# 03-40BTS723, Q1897-02 Used Limited volume as sample is oily. Q1890-01 pH Adjusted with 1:1 H2SO4.

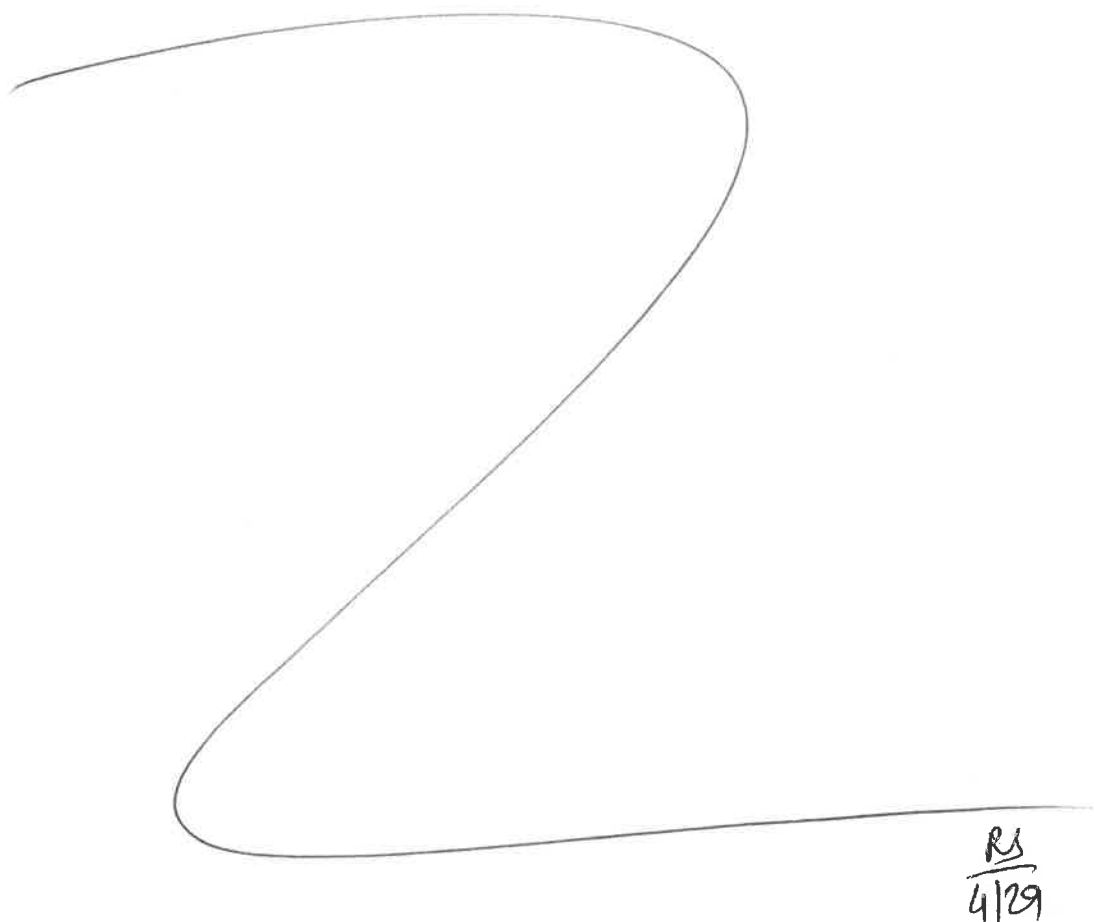
KD Bath ID: WATER BATH-1,2	Envap ID: NEVAP-02
KD Bath Temperature: 60 °C	Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/29/25	RS (E34-606)	Y.P. P. H. P. 40
13:40	Preparation Group	Analysis Group

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

Concentration Date: 04/29/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167782BL	ABLK782	PCB	1000	6	RUPESH	ritesh	10			SEP-1
PB167782BS	ALCS782	PCB	1000	6	RUPESH	ritesh	10			2
PB167782BS D	ALCSD782	PCB	1000	6	RUPESH	ritesh	10			3
Q1890-01	TW-WTS-07	PCB	960	12	RUPESH	ritesh	10	G		4
Q1896-03	295-BERGEN-FRAC	PCB	990	6	RUPESH	ritesh	10	E		5
Q1897-01	40125	PCB	980	6	RUPESH	ritesh	10	C		6
Q1897-02	41425	PCB	100	6	RUPESH	ritesh	10	C	Oily	7
Q1901-06	FB04262025	PCB	870	6	RUPESH	ritesh	10	H		8



RS
4/29

167782
8:57

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1897 WorkList ID : 189202 Department : Extraction Date : 04-29-2025 08:38:28

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1890-01	TW-WTS-07	Water	PCB	Cool 4 deg C	ENTA05	L41	04/24/2025	8082A
Q1896-03	295-BERGEN-FRAC	Water	PCB	Cool 4 deg C	PSEG03	L31	04/25/2025	8082A
Q1897-01	40125	Water	PCB	Cool 4 deg C	PSEG03	L41	04/25/2025	8082A
Q1897-02	41425	Water	PCB	Cool 4 deg C	PSEG03	L41	04/25/2025	8082A
Q1901-06	FB04262025	Water	PCB	Cool 4 deg C	PORT06	L51	04/26/2025	8082A

Date/Time 4/29/25 8:50
Raw Sample Received by: RJ (CA-166)
Raw Sample Relinquished by: [Signature]

Date/Time 4/29/25 9:25
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (CA-166)

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup **Extraction Start Date :** 04/30/2025

Matrix : Solid **Extraction Start Time :** 08:35

Weigh By: EH **Extraction By:** RJ **Extraction End Date :** 04/30/2025

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 11:35

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

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP24461
Surrogate	1.0ML	200 PPB	PP24460
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	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3928
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

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

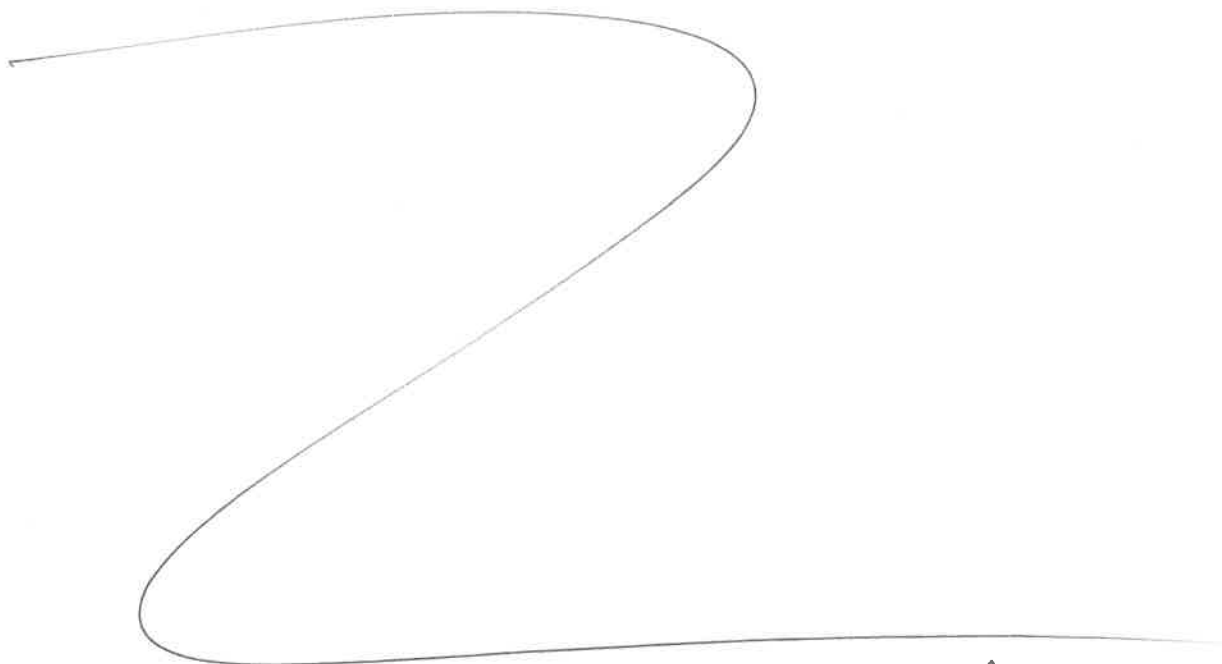
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Ext Lab)	R. Post-PLB Labs
11:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/30/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167794BL	ABLK794	PCB	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167794BS	ALCS794	PCB	30.03	N/A	ritesh	Evelyn	10			2
Q1901-03	B-170-SB01	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q1905-01	MH-G	PCB	30.09	N/A	ritesh	Evelyn	10	D		4
Q1905-05	MH-H	PCB	30.04	N/A	ritesh	Evelyn	10	D		5
Q1907-01	CO-8R-WC	PCB	30.03	N/A	ritesh	Evelyn	10	D		6
Q1910-01	MOO-25-0123-27	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
Q1910-01MS	MOO-25-0123-27MS	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q1910-01MS D	MOO-25-0123-27MSD	PCB	30.06	N/A	ritesh	Evelyn	10	E		3
Q1911-01	EO-03-04292025	PCB	30.05	N/A	ritesh	Evelyn	10	E		4
Q1912-01	MH-E	PCB	30.01	N/A	ritesh	Evelyn	10	E		5
Q1912-05	MH-F	PCB	30.03	N/A	ritesh	Evelyn	10	D		6



RS
4/30

167745
4764591

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1905 WorkList ID : 189219 Department : Extraction Date : 04-30-2025 08:29:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1901-03	B-170-SB01	Solid	PCB	Cool 4 deg C	PORT06	L51	04/26/2025	8082A
Q1905-01	MH-G	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/28/2025	8082A
Q1905-05	MH-H	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/28/2025	8082A
Q1907-01	CO-8R-WC	Solid	PCB	Cool 4 deg C	WALS01	L51	04/28/2025	8082A
Q1910-01	MOO-25-0123-27	Solid	PCB	Cool 4 deg C	PSEG03	L41	04/29/2025	8082A
Q1911-01	EO-03-04292025	Solid	PCB	Cool 4 deg C	PSEG05	L41	04/29/2025	8082A
Q1912-01	MH-E	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/29/2025	8082A
Q1912-05	MH-F	Solid	PCB	Cool 4 deg C	PSEG03	L51	04/29/2025	8082A

Date/Time 04/30/25 8:30
Raw Sample Received by: RJ LEEH-1066
Raw Sample Relinquished by: RJ LEEH-1066

Date/Time 04/30/25 8:50
Raw Sample Received by: RJ LEEH-1066
Raw Sample Relinquished by: RJ LEEH-1066

LAB CHRONICLE

OrderID:	Q1901	OrderDate:	4/28/2025 10:24:00 AM
Client:	Portal Partners Tri-Venture	Project:	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1901-02	B-167-SB01	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
Q1901-03	B-170-SB01	SOIL			04/26/25			04/28/25
			PCB	8082A		04/30/25	04/30/25	
			TPH GC	8015D		04/29/25	04/29/25	
Q1901-04	B-167-SB02	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
Q1901-05	B-170-SB02	SOIL			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
			TPH GC	8015D		04/29/25	04/29/25	
Q1901-06	FB04262025	WATER			04/26/25			04/28/25
			PCB	8082A		04/29/25	04/29/25	
Q1901-08	B-167-SB01	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	
			TCLP Pesticide	8081B		05/01/25	05/01/25	
Q1901-09	B-170-SB01	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	
			TCLP Pesticide	8081B		05/01/25	05/01/25	
Q1901-10	B-167-SB02	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	
			TCLP Pesticide	8081B		05/01/25	05/01/25	
Q1901-11	B-170-SB02	TCLP			04/26/25			04/28/25
			TCLP Herbicide	8151A		05/05/25	05/06/25	

LAB CHRONICLE

TCLP Pesticide	8081B	05/01/25	05/01/25
----------------	-------	----------	----------

A

B

C

D

E

F

G

H

I

J

K

L