



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q2010

Order ID: Q2010

Client: CDM Smith

Project ID: South River WM Replacement

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

Total Concentration: 0.000

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



SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-10	SDG No.:	Q2010
Lab Sample ID:	Q2010-01	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	93.3
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072040.D	1	05/14/25 09:00	05/14/25 14:12	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	18.2	ug/kg
11104-28-2	Aroclor-1221	4.30	U	4.30	18.2	ug/kg
11141-16-5	Aroclor-1232	4.00	U	4.00	18.2	ug/kg
53469-21-9	Aroclor-1242	4.30	U	4.30	18.2	ug/kg
12672-29-6	Aroclor-1248	6.30	U	6.30	18.2	ug/kg
11097-69-1	Aroclor-1254	3.40	U	3.40	18.2	ug/kg
37324-23-5	Aroclor-1262	5.40	U	5.40	18.2	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	18.2	ug/kg
11096-82-5	Aroclor-1260	3.50	U	3.50	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.9		32 - 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:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-13	SDG No.:	Q2010
Lab Sample ID:	Q2010-02	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	84.4
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072041.D	1	05/14/25 09:00	05/14/25 14:28	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.70	U	4.70	20.1	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	20.1	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	20.1	ug/kg
53469-21-9	Aroclor-1242	4.70	U	4.70	20.1	ug/kg
12672-29-6	Aroclor-1248	7.00	U	7.00	20.1	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	20.1	ug/kg
37324-23-5	Aroclor-1262	5.90	U	5.90	20.1	ug/kg
11100-14-4	Aroclor-1268	4.30	U	4.30	20.1	ug/kg
11096-82-5	Aroclor-1260	3.80	U	3.80	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		32 - 144	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.5		32 - 175	98%	SPK: 20

Comments:

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

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-14	SDG No.:	Q2010
Lab Sample ID:	Q2010-03	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	80.7
Sample Wt/Vol:	30.05	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072042.D	1	05/14/25 09:00	05/14/25 14:44	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.90	U	4.90	21.0	ug/kg
11104-28-2	Aroclor-1221	5.00	U	5.00	21.0	ug/kg
11141-16-5	Aroclor-1232	4.60	U	4.60	21.0	ug/kg
53469-21-9	Aroclor-1242	5.00	U	5.00	21.0	ug/kg
12672-29-6	Aroclor-1248	7.30	U	7.30	21.0	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	21.0	ug/kg
37324-23-5	Aroclor-1262	6.20	U	6.20	21.0	ug/kg
11100-14-4	Aroclor-1268	4.50	U	4.50	21.0	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	21.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.8		32 - 144	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		32 - 175	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	South River WM Replacement	Date Received:	05/09/25
Client Sample ID:	TP-17	SDG No.:	Q2010
Lab Sample ID:	Q2010-04	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	77.4
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072043.D	1	05/14/25 09:00	05/14/25 15:01	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	5.10	U	5.10	21.9	ug/kg
11104-28-2	Aroclor-1221	5.20	U	5.20	21.9	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	21.9	ug/kg
53469-21-9	Aroclor-1242	5.20	U	5.20	21.9	ug/kg
12672-29-6	Aroclor-1248	7.60	U	7.60	21.9	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	21.9	ug/kg
37324-23-5	Aroclor-1262	6.50	U	6.50	21.9	ug/kg
11100-14-4	Aroclor-1268	4.60	U	4.60	21.9	ug/kg
11096-82-5	Aroclor-1260	4.20	U	4.20	21.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		32 - 175	94%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP071388.D	PIBLK-PP071388.D	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	17.6	88		60	140
		Tetrachloro-m-xylene	2	20	17.2	86		60	140
		Decachlorobiphenyl	2	20	17.6	88		60	140
I.BLK-PP072037.D	PIBLK-PP072037.D	Tetrachloro-m-xylene	1	20	16.3	81		60	140
		Decachlorobiphenyl	1	20	18.0	90		60	140
		Tetrachloro-m-xylene	2	20	16.6	83		60	140
		Decachlorobiphenyl	2	20	19.1	95		60	140
PB167997BL	PB167997BL	Tetrachloro-m-xylene	1	20	19.8	99		32	144
		Decachlorobiphenyl	1	20	21.1	106		32	175
		Tetrachloro-m-xylene	2	20	22.2	111		32	144
		Decachlorobiphenyl	2	20	24.3	121		32	175
PB167997BS	PB167997BS	Tetrachloro-m-xylene	1	20	19.5	97		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	23.4	117		32	175
Q2010-01	TP-10	Tetrachloro-m-xylene	1	20	17.7	89		32	144
		Decachlorobiphenyl	1	20	16.5	83		32	175
		Tetrachloro-m-xylene	2	20	20.9	104		32	144
		Decachlorobiphenyl	2	20	18.9	95		32	175
Q2010-02	TP-13	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	16.5	83		32	175
		Tetrachloro-m-xylene	2	20	19.9	99		32	144
		Decachlorobiphenyl	2	20	19.5	98		32	175
Q2010-03	TP-14	Tetrachloro-m-xylene	1	20	18.2	91		32	144
		Decachlorobiphenyl	1	20	15.9	79		32	175
		Tetrachloro-m-xylene	2	20	20.8	104		32	144
		Decachlorobiphenyl	2	20	18.6	93		32	175
Q2010-04	TP-17	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	16.0	80		32	175
		Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	18.7	94		32	175
Q2019-01MS	MH-KMS	Tetrachloro-m-xylene	1	20	22.3	112		32	144
		Decachlorobiphenyl	1	20	23.4	117		32	175
		Tetrachloro-m-xylene	2	20	24.1	120		32	144
		Decachlorobiphenyl	2	20	25.8	129		32	175
Q2019-01MSD	MH-KMSD	Tetrachloro-m-xylene	1	20	21.1	105		32	144
		Decachlorobiphenyl	1	20	21.2	106		32	175
		Tetrachloro-m-xylene	2	20	22.5	113		32	144
		Decachlorobiphenyl	2	20	24.2	121		32	175
I.BLK-PP072052.D	PIBLK-PP072052.D	Tetrachloro-m-xylene	1	20	16.8	84		60	140

Surrogate Summary

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP072052.D	PIBLK-PP072052.D	Decachlorobiphenyl	1	20	18.6	93		60	140
		Tetrachloro-m-xylene	2	20	18.9	94		60	140
		Decachlorobiphenyl	2	20	20.8	104		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A

DataFile : PP072045.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2019-01MS	MH-KMS											
	AR1016	185.5	0	209	ug/kg	113				55	146	
	AR1260	185.5	0	201	ug/kg	108				31	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A

DataFile : PP072046.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q2019-01MSD	MH-KMSD											
	AR1016	185.3	0	185	ug/kg	100		12		55	146	20
	AR1260	185.3	0	182	ug/kg	98		10		31	146	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2010

Client: CDM Smith

Analytical Method: 8082A Datafile : PP072039.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167997BS	AR1016	166.6	156	ug/kg	94				71	120	
	AR1260	166.6	160	ug/kg	96				65	130	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167997BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010

SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167997BL

Lab File ID: PP072038.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/14/2025

Date Analyzed (1): 05/14/2025

Date Analyzed (2): 05/14/2025

Time Analyzed (1): 13:39

Time Analyzed (2): 13:39

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
PB167997BS	PB167997BS	PP072039.D	05/14/2025	05/14/2025
TP-10	Q2010-01	PP072040.D	05/14/2025	05/14/2025
TP-13	Q2010-02	PP072041.D	05/14/2025	05/14/2025
TP-14	Q2010-03	PP072042.D	05/14/2025	05/14/2025
TP-17	Q2010-04	PP072043.D	05/14/2025	05/14/2025
MH-KMS	Q2019-01MS	PP072045.D	05/14/2025	05/14/2025
MH-KMSD	Q2019-01MSD	PP072046.D	05/14/2025	05/14/2025

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167997BL	SDG No.:	Q2010
Lab Sample ID:	PB167997BL	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072038.D	1	05/14/25 09:00	05/14/25 13:39	PB167997

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	22.2		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		32 - 175	121%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	04/22/25
Project:	South River WM Replacement	Date Received:	04/22/25
Client Sample ID:	PIBLK-PP071388.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PP071388.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
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		60 - 140	85%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.6		60 - 140	88%	SPK: 20

Comments:

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Report of Analysis

Client:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PP072037.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PP072037.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072037.D	1		05/14/25	pp051425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.097	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.13	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.096	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.071	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.094	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.081	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.11	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.3		60 - 140	81%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.0		60 - 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:	CDM Smith	Date Collected:	05/14/25
Project:	South River WM Replacement	Date Received:	05/14/25
Client Sample ID:	PIBLK-PP072052.D	SDG No.:	Q2010
Lab Sample ID:	I.BLK-PP072052.D	Matrix:	WATER
Analytical Method:	8082A	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	5030	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072052.D	1		05/14/25	pp051425

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		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		60 - 140	93%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	South River WM Replacement	Date Received:	
Client Sample ID:	PB167997BS	SDG No.:	Q2010
Lab Sample ID:	PB167997BS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	100
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Decanted:	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072039.D	1	05/14/25 09:00	05/14/25 13:55	PB167997

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	160		3.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		32 - 175	117%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	MH-KMS	SDG No.:	Q2010
Lab Sample ID:	Q2019-01MS	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.8
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072045.D	1	05/14/25 09:00	05/14/25 15:34	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	209		4.40	18.9	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.9	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.9	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	18.9	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.9	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.9	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.9	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.9	ug/kg
11096-82-5	Aroclor-1260	201		3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.1		32 - 144	120%	SPK: 20
2051-24-3	Decachlorobiphenyl	25.8		32 - 175	129%	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

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() = Laboratory InHouse Limit

Report of Analysis

Client:	CDM Smith	Date Collected:	05/13/25
Project:	South River WM Replacement	Date Received:	05/13/25
Client Sample ID:	MH-KMSD	SDG No.:	Q2010
Lab Sample ID:	Q2019-01MSD	Matrix:	SOIL
Analytical Method:	8082A	% Solid:	89.8
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP072046.D	1	05/14/25 09:00	05/14/25 15:50	PB167997

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	185		4.40	18.9	ug/kg
11104-28-2	Aroclor-1221	4.50	U	4.50	18.9	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	18.9	ug/kg
53469-21-9	Aroclor-1242	4.50	U	4.50	18.9	ug/kg
12672-29-6	Aroclor-1248	6.60	U	6.60	18.9	ug/kg
11097-69-1	Aroclor-1254	3.60	U	3.60	18.9	ug/kg
37324-23-5	Aroclor-1262	5.60	U	5.60	18.9	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	18.9	ug/kg
11096-82-5	Aroclor-1260	182		3.60	18.9	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.5		32 - 144	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.2		32 - 175	121%	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

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D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

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L

Calibration Times: 10:29 17:49

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

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 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)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.51	7.52	7.42	7.62	0.01
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
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		10.22	10.24	10.14	10.34	0.02

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 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		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP072033.D Time Analyzed: 09:07

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.658	5.571	5.771	471.680	500.000	-5.7
Aroclor-1016-2	5.681	5.593	5.793	494.270	500.000	-1.1
Aroclor-1016-3	5.743	5.654	5.854	486.580	500.000	-2.7
Aroclor-1016-4	5.841	5.752	5.952	484.080	500.000	-3.2
Aroclor-1016-5	6.133	6.045	6.245	471.780	500.000	-5.6
Aroclor-1260-1	7.251	7.165	7.365	460.330	500.000	-7.9
Aroclor-1260-2	7.505	7.418	7.618	471.860	500.000	-5.6
Aroclor-1260-3	7.864	7.777	7.977	498.960	500.000	-0.2
Aroclor-1260-4	8.088	8.002	8.202	480.940	500.000	-3.8
Aroclor-1260-5	8.407	8.322	8.522	510.670	500.000	2.1
Decachlorobiphenyl	10.216	10.137	10.337	52.760	50.000	5.5
Tetrachloro-m-xylene	4.507	4.417	4.617	50.010	50.000	0.0

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Client Sample No.: CCAL01 Date Analyzed: 05/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP072033.D Time Analyzed: 09:07

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.884	4.798	4.998	504.730	500.000	0.9
Aroclor-1016-2	4.902	4.816	5.016	523.740	500.000	4.7
Aroclor-1016-3	5.080	4.993	5.193	478.760	500.000	-4.2
Aroclor-1016-4	5.121	5.036	5.236	494.260	500.000	-1.1
Aroclor-1016-5	5.335	5.250	5.450	521.060	500.000	4.2
Aroclor-1260-1	6.368	6.285	6.485	529.420	500.000	5.9
Aroclor-1260-2	6.556	6.473	6.673	530.290	500.000	6.1
Aroclor-1260-3	6.709	6.627	6.827	531.350	500.000	6.3
Aroclor-1260-4	7.179	7.098	7.298	535.400	500.000	7.1
Aroclor-1260-5	7.421	7.339	7.539	536.070	500.000	7.2
Decachlorobiphenyl	8.824	8.749	8.949	55.520	50.000	11.0
Tetrachloro-m-xylene	3.801	3.712	3.912	52.400	50.000	4.8

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 17:12 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)	5.68	5.69	5.59	5.79	0.01
Aroclor-1016-3	(3)	5.74	5.75	5.65	5.85	0.01
Aroclor-1016-4	(4)	5.84	5.85	5.75	5.95	0.01
Aroclor-1016-5	(5)	6.13	6.15	6.05	6.25	0.02
Aroclor-1260-1	(1)	7.25	7.27	7.17	7.37	0.02
Aroclor-1260-2	(2)	7.50	7.52	7.42	7.62	0.02
Aroclor-1260-3	(3)	7.86	7.88	7.78	7.98	0.02
Aroclor-1260-4	(4)	8.09	8.10	8.00	8.20	0.01
Aroclor-1260-5	(5)	8.40	8.42	8.32	8.52	0.02
Tetrachloro-m-xylene		4.51	4.52	4.42	4.62	0.01
Decachlorobiphenyl		10.21	10.24	10.14	10.34	0.03

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Continuing Calib Date: 05/14/2025 Initial Calibration Date(s): 04/22/2025 04/22/2025

Continuing Calib Time: 17:12 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)	4.88	4.90	4.80	5.00	0.02
Aroclor-1016-2	(2)	4.90	4.92	4.82	5.02	0.02
Aroclor-1016-3	(3)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-4	(4)	5.12	5.14	5.04	5.24	0.02
Aroclor-1016-5	(5)	5.34	5.35	5.25	5.45	0.01
Aroclor-1260-1	(1)	6.37	6.39	6.29	6.49	0.02
Aroclor-1260-2	(2)	6.56	6.57	6.47	6.67	0.01
Aroclor-1260-3	(3)	6.71	6.73	6.63	6.83	0.02
Aroclor-1260-4	(4)	7.18	7.20	7.10	7.30	0.02
Aroclor-1260-5	(5)	7.42	7.44	7.34	7.54	0.02
Tetrachloro-m-xylene		3.80	3.81	3.71	3.91	0.01
Decachlorobiphenyl		8.82	8.85	8.75	8.95	0.03

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP072048.D Time Analyzed: 17:12

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.656	5.571	5.771	474.260	500.000	-5.1
Aroclor-1016-2	5.678	5.593	5.793	494.590	500.000	-1.1
Aroclor-1016-3	5.741	5.654	5.854	498.710	500.000	-0.3
Aroclor-1016-4	5.839	5.752	5.952	494.190	500.000	-1.2
Aroclor-1016-5	6.131	6.045	6.245	482.080	500.000	-3.6
Aroclor-1260-1	7.249	7.165	7.365	470.360	500.000	-5.9
Aroclor-1260-2	7.503	7.418	7.618	476.510	500.000	-4.7
Aroclor-1260-3	7.861	7.777	7.977	500.670	500.000	0.1
Aroclor-1260-4	8.085	8.002	8.202	489.750	500.000	-2.1
Aroclor-1260-5	8.404	8.322	8.522	534.550	500.000	6.9
Decachlorobiphenyl	10.211	10.137	10.337	54.210	50.000	8.4
Tetrachloro-m-xylene	4.505	4.417	4.617	49.660	50.000	-0.7

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

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

Client Sample No.: CCAL02 Date Analyzed: 05/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP072048.D Time Analyzed: 17:12

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.884	4.798	4.998	570.080	500.000	14.0
Aroclor-1016-2	4.902	4.816	5.016	530.770	500.000	6.2
Aroclor-1016-3	5.079	4.993	5.193	514.330	500.000	2.9
Aroclor-1016-4	5.121	5.036	5.236	490.830	500.000	-1.8
Aroclor-1016-5	5.335	5.250	5.450	516.940	500.000	3.4
Aroclor-1260-1	6.368	6.285	6.485	537.530	500.000	7.5
Aroclor-1260-2	6.556	6.473	6.673	542.440	500.000	8.5
Aroclor-1260-3	6.709	6.627	6.827	540.610	500.000	8.1
Aroclor-1260-4	7.179	7.098	7.298	540.890	500.000	8.2
Aroclor-1260-5	7.421	7.339	7.539	538.390	500.000	7.7
Decachlorobiphenyl	8.824	8.749	8.949	55.720	50.000	11.4
Tetrachloro-m-xylene	3.801	3.712	3.912	55.050	50.000	10.1

Analytical Sequence

Client: CDM Smith	SDG No.: Q2010	
Project: South River WM Replacement	Instrument ID: ECD_P	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 04/22/2025 04/22/2025

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	04/22/2025	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
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	05/14/2025	09:07	PP072033.D	10.22	4.51
IBLK	IBLK	05/14/2025	10:14	PP072037.D	10.21	4.51
PB167997BL	PB167997BL	05/14/2025	13:39	PP072038.D	10.22	4.51
PB167997BS	PB167997BS	05/14/2025	13:55	PP072039.D	10.22	4.51
TP-10	Q2010-01	05/14/2025	14:12	PP072040.D	10.21	4.50
TP-13	Q2010-02	05/14/2025	14:28	PP072041.D	10.22	4.51
TP-14	Q2010-03	05/14/2025	14:44	PP072042.D	10.21	4.51
TP-17	Q2010-04	05/14/2025	15:01	PP072043.D	10.21	4.50
MH-KMS	Q2019-01MS	05/14/2025	15:34	PP072045.D	10.21	4.51
MH-KMSD	Q2019-01MSD	05/14/2025	15:50	PP072046.D	10.21	4.50
AR1660CCC500	AR1660CCC500	05/14/2025	17:12	PP072048.D	10.21	4.51
IBLK	IBLK	05/14/2025	18:33	PP072052.D	10.22	4.51

Analytical Sequence

Client: CDM Smith	SDG No.: Q2010
Project: South River WM Replacement	Instrument ID: ECD_P
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 04/22/2025 04/22/2025

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	04/22/2025	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
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	05/14/2025	09:07	PP072033.D	8.82	3.80
IBLK	IBLK	05/14/2025	10:14	PP072037.D	8.83	3.80
PB167997BL	PB167997BL	05/14/2025	13:39	PP072038.D	8.83	3.80
PB167997BS	PB167997BS	05/14/2025	13:55	PP072039.D	8.83	3.80
TP-10	Q2010-01	05/14/2025	14:12	PP072040.D	8.82	3.80
TP-13	Q2010-02	05/14/2025	14:28	PP072041.D	8.82	3.80
TP-14	Q2010-03	05/14/2025	14:44	PP072042.D	8.82	3.80
TP-17	Q2010-04	05/14/2025	15:01	PP072043.D	8.83	3.80
MH-KMS	Q2019-01MS	05/14/2025	15:34	PP072045.D	8.82	3.80
MH-KMSD	Q2019-01MSD	05/14/2025	15:50	PP072046.D	8.83	3.80
AR1660CCC500	AR1660CCC500	05/14/2025	17:12	PP072048.D	8.82	3.80
IBLK	IBLK	05/14/2025	18:33	PP072052.D	8.83	3.80

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB167997BS

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: PB167997BS Date(s) Analyzed: 05/14/2025 05/14/2025

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 PP072039.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.662	5.612	5.712	148	149	4.59
COLUMN 1	2	5.684	5.634	5.734	152		
	3	5.746	5.696	5.796	154		
	4	5.843	5.793	5.893	150		
	5	6.135	6.085	6.185	142		
	1	4.885	4.835	4.935	160		
COLUMN 2	2	4.903	4.853	4.953	163	156	
	3	5.08	5.03	5.13	154		
	4	5.122	5.072	5.172	152		
	5	5.336	5.286	5.386	153		
Aroclor-1260	1	7.253	7.203	7.303	151	145	9.84
COLUMN 1	2	7.508	7.458	7.558	155		
	3	7.866	7.816	7.916	135		
	4	8.09	8.04	8.14	139		
	5	8.409	8.359	8.459	144		
	1	6.369	6.319	6.419	163	160	
COLUMN 2	2	6.558	6.508	6.608	164		
	3	6.71	6.66	6.76	167		
	4	7.181	7.131	7.231	154		
	5	7.423	7.373	7.473	151		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-KMS

Contract: CAMP02

Lab Code: CHEM

Case No.: Q2010

SAS No.: Q2010

SDG NO.: Q2010

Lab Sample ID: Q2019-01MS

Date(s) Analyzed: 05/14/2025

05/14/2025

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 PP072045.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.68	5.63	5.73	293	209	9
COLUMN 1	2	5.68	5.63	5.73	191		
	3	5.742	5.692	5.792	191		
	4	5.84	5.79	5.89	191		
	5	6.133	6.083	6.183	180		
	1	4.902	4.852	4.952	229		
COLUMN 2	2	4.902	4.852	4.952	161	191	
	3	5.079	5.029	5.129	184		
	4	5.121	5.071	5.171	187		
	5	5.335	5.285	5.385	196		
Aroclor-1260	1	7.251	7.201	7.301	190	178	12.14
COLUMN 1	2	7.504	7.454	7.554	189		
	3	7.863	7.813	7.913	167		
	4	8.085	8.035	8.135	169		
	5	8.406	8.356	8.456	177		
	1	6.368	6.318	6.418	215		
COLUMN 2	2	6.557	6.507	6.607	210	201	
	3	6.709	6.659	6.759	212		
	4	7.179	7.129	7.229	184		
	5	7.421	7.371	7.471	183		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

MH-KMSD

Contract: CAMP02

Lab Code: CHEM Case No.: Q2010 SAS No.: Q2010 SDG NO.: Q2010

Lab Sample ID: Q2019-01MSD Date(s) Analyzed: 05/14/2025 05/14/2025

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 PP072046.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.655	5.605	5.705	194	177	4.42
COLUMN 1	2	5.677	5.627	5.727	173		
	3	5.741	5.691	5.791	178		
	4	5.839	5.789	5.889	177		
	5	6.131	6.081	6.181	164		
	1	4.885	4.835	4.935	190		
COLUMN 2	2	4.904	4.854	4.954	196	185	
	3	5.081	5.031	5.131	178		
	4	5.122	5.072	5.172	181		
	5	5.337	5.287	5.387	180		
Aroclor-1260	1	7.249	7.199	7.299	175	166	9.2
COLUMN 1	2	7.502	7.452	7.552	176		
	3	7.861	7.811	7.911	153		
	4	8.085	8.035	8.135	161		
	5	8.404	8.354	8.454	164		
	1	6.369	6.319	6.419	191		
COLUMN 2	2	6.558	6.508	6.608	188	182	
	3	6.71	6.66	6.76	191		
	4	7.181	7.131	7.231	171		
	5	7.423	7.373	7.473	168		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 14:12
 Operator : YP\AJ
 Sample : Q2010-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-10

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:26:43 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...	4.502	3.801	35141759	29383834	17.725m	20.860m
2) SA Decachlor...	10.210	8.824	23890177	16605485	16.499m	18.933m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:12
Operator : YP\AJ
Sample : Q2010-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

TP-10

Manual Integrations

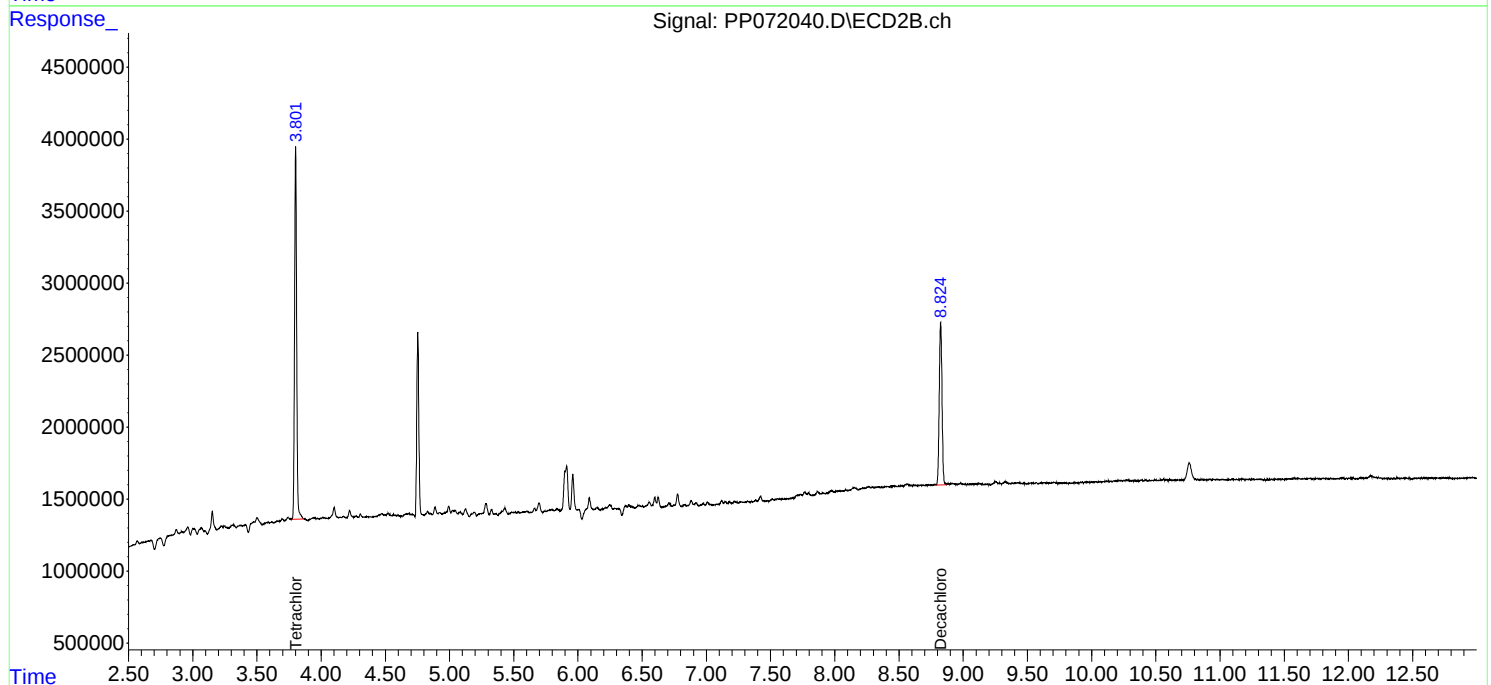
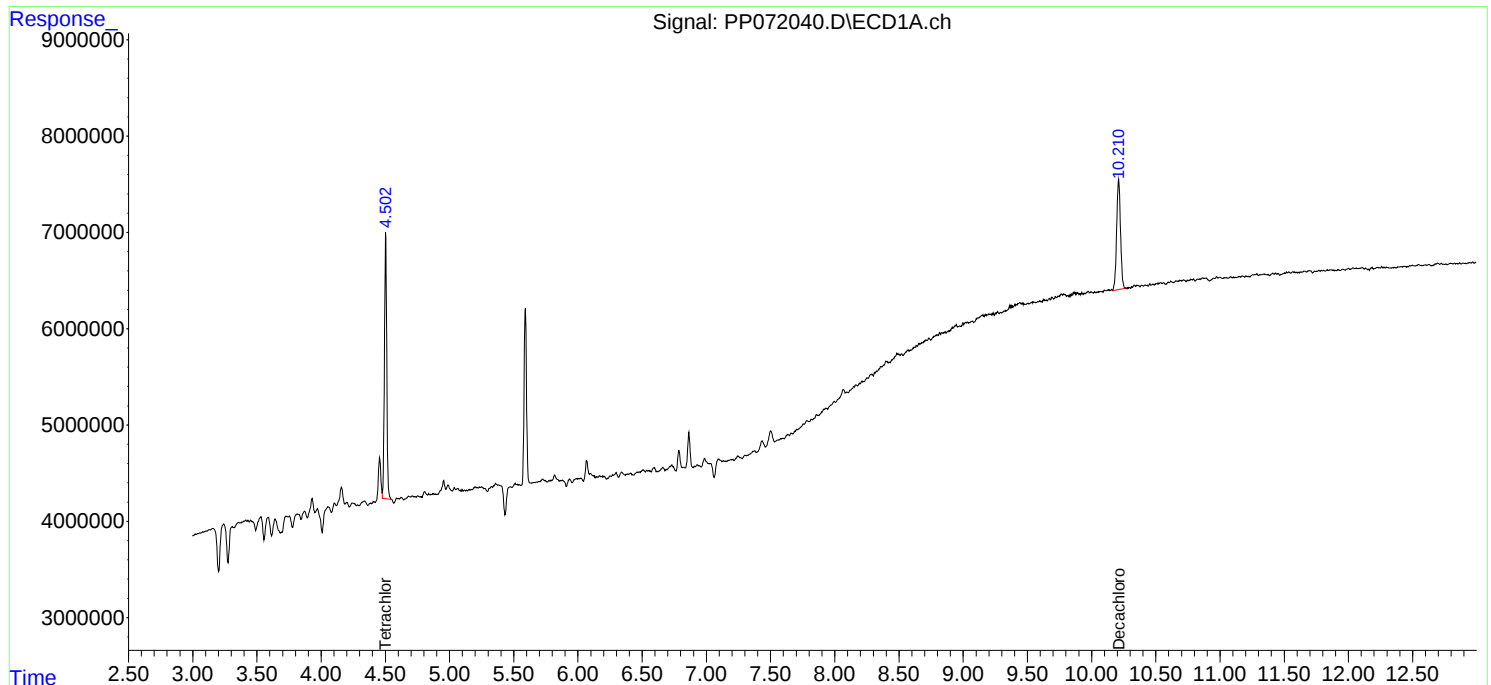
APPROVED

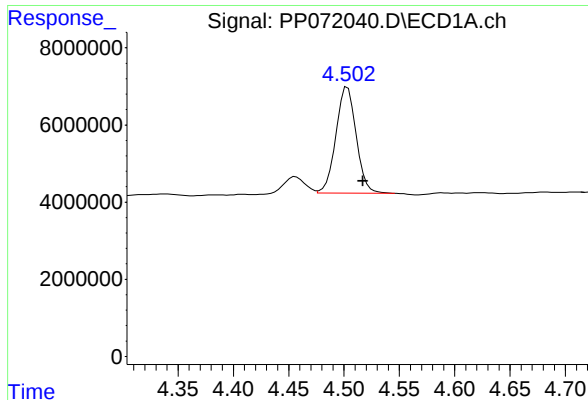
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:43 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





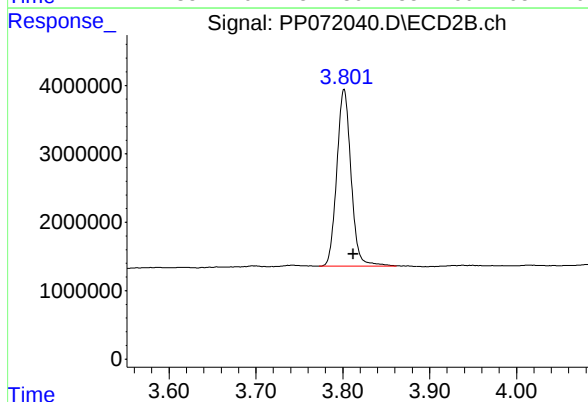
#1 Tetrachloro-m-xylene

R.T.: 4.502 min
Delta R.T.: -0.015 min
Response: 35141759
Conc: 17.72 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-10

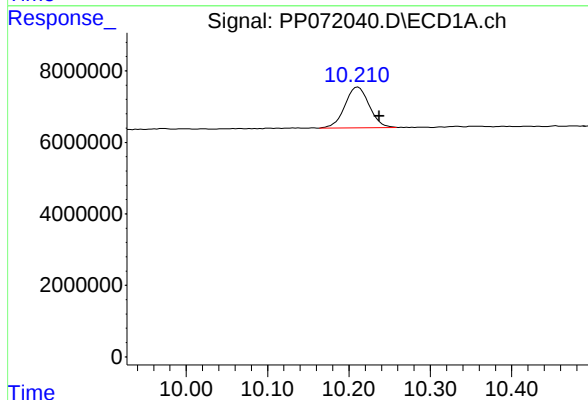
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



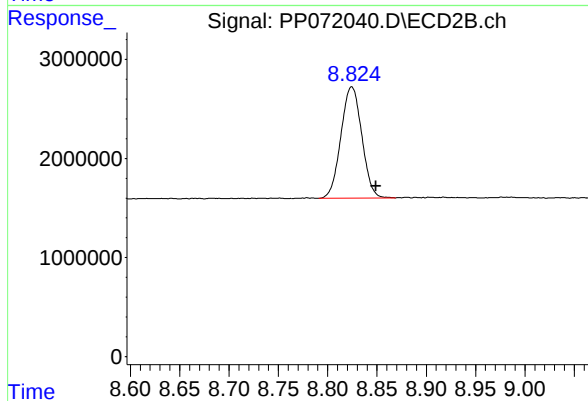
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 29383834
Conc: 20.86 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.210 min
Delta R.T.: -0.027 min
Response: 23890177
Conc: 16.50 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 16605485
Conc: 18.93 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072041.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 14:28
 Operator : YP\AJ
 Sample : Q2010-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-13

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:26:59 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...	4.505	3.801	34435955	27966537	17.369m	19.854m
2) SA Decachlor...	10.216	8.824	23935973	17109468	16.530	19.508m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:28
Operator : YP\AJ
Sample : Q2010-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

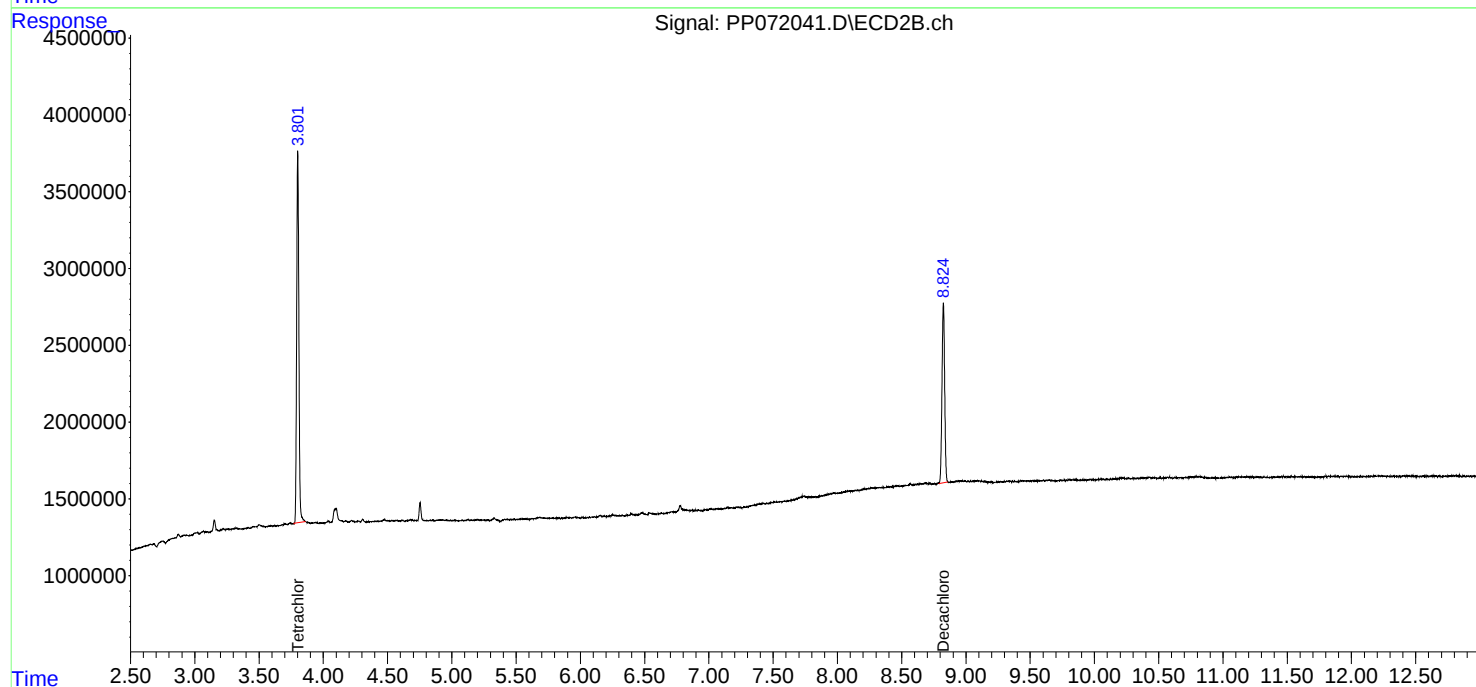
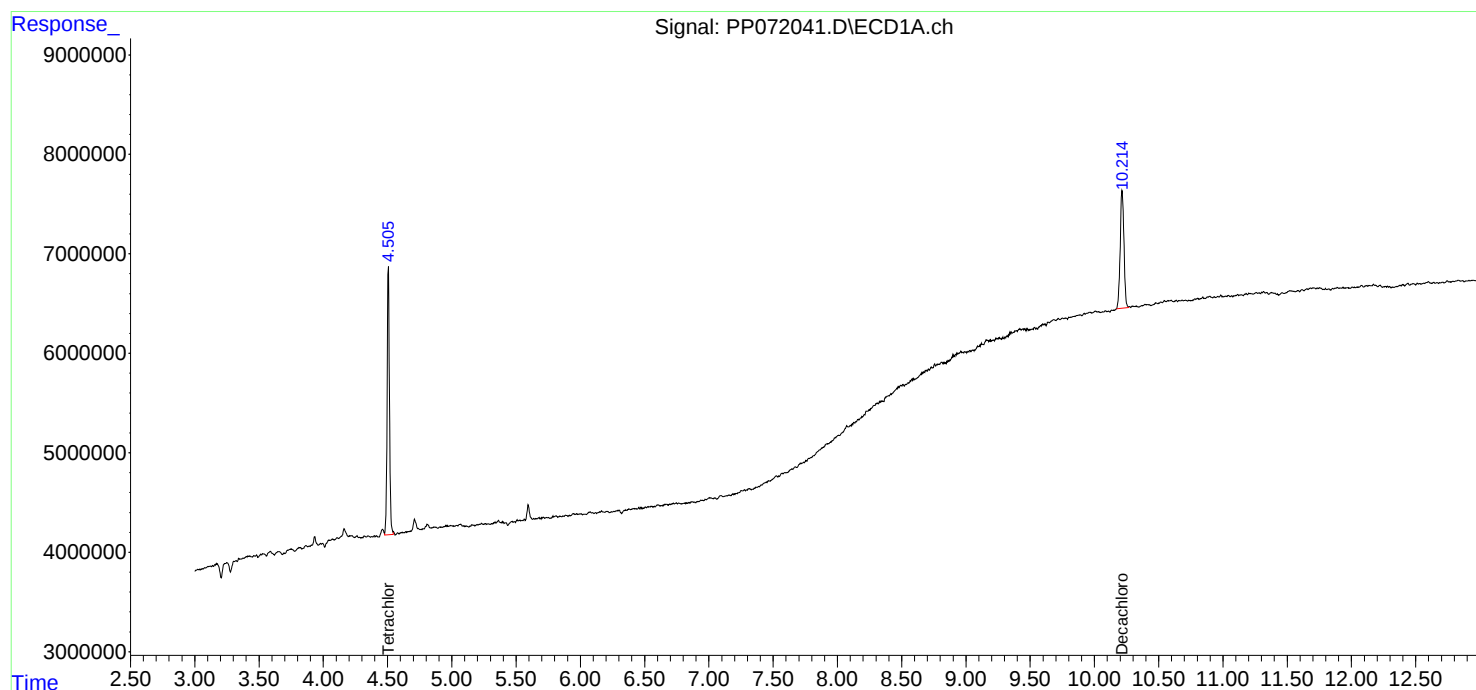
Instrument :
ECD_P
ClientSampleId :
TP-13

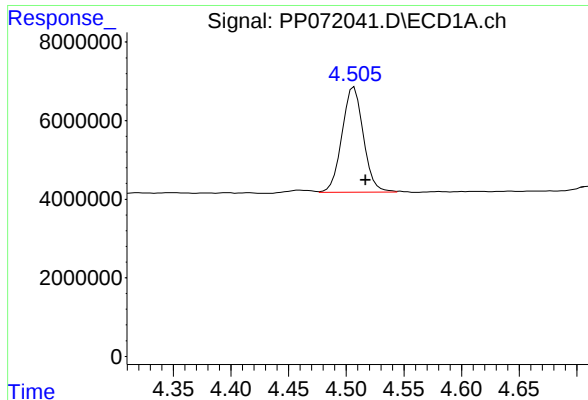
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:59 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





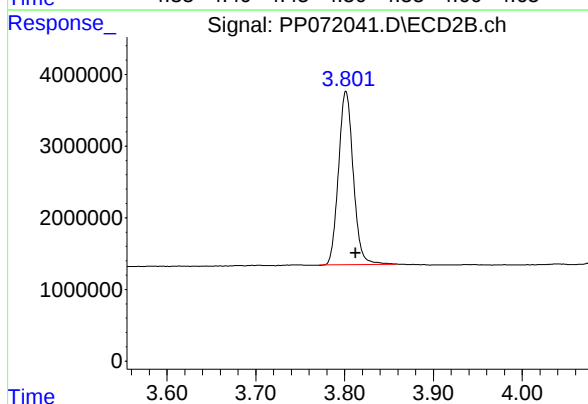
#1 Tetrachloro-m-xylene

R.T.: 4.505 min
Delta R.T.: -0.012 min
Response: 34435955
Conc: 17.37 ng/ml

Instrument :
ECD_P
ClientSampleId :
TP-13

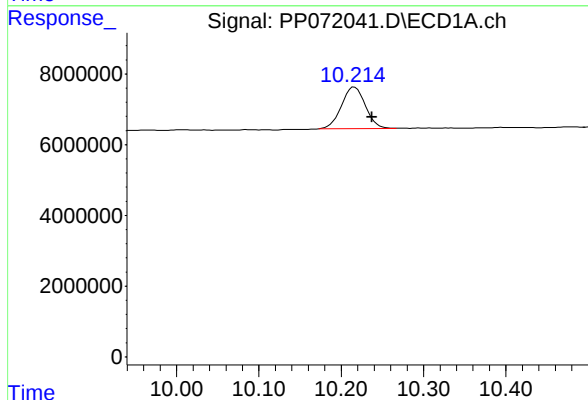
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



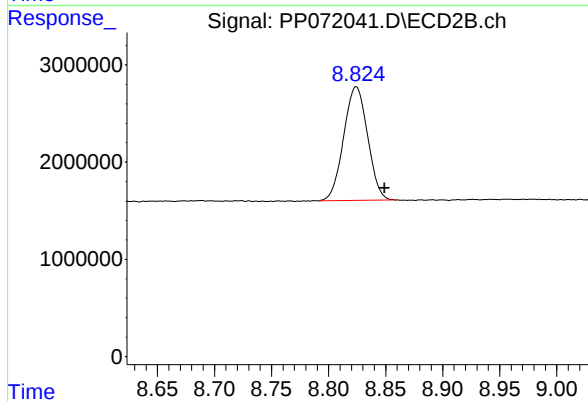
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 27966537
Conc: 19.85 ng/ml m



#2 Decachlorobiphenyl

R.T.: 10.216 min
Delta R.T.: -0.022 min
Response: 23935973
Conc: 16.53 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.824 min
Delta R.T.: -0.025 min
Response: 17109468
Conc: 19.51 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072042.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 14:44
 Operator : YP\AJ
 Sample : Q2010-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-14

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:27:14 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...	4.505	3.801	36114293	29270379	18.215	20.779m
2) SA Decachlor...	10.212	8.823	22988029	16274287	15.876	18.556m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 14:44
Operator : YP\AJ
Sample : Q2010-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

TP-14

Manual Integrations

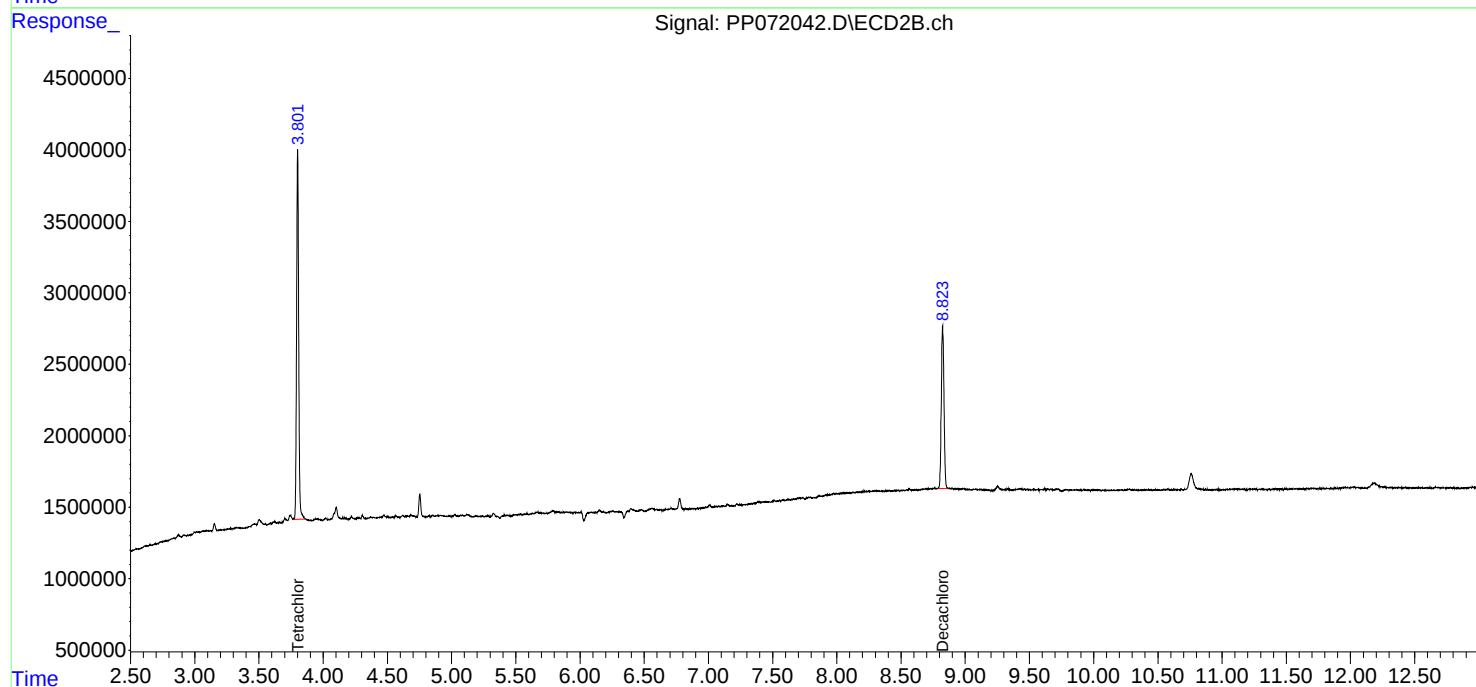
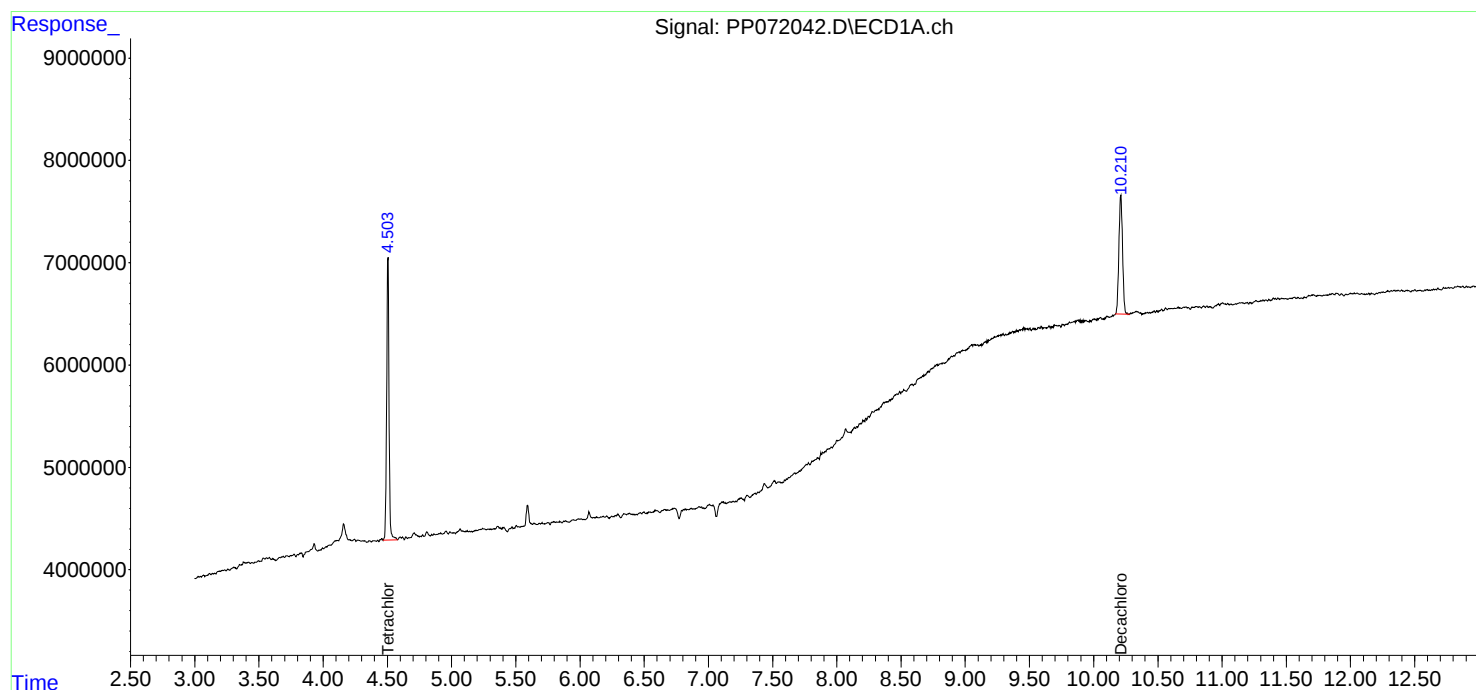
APPROVED

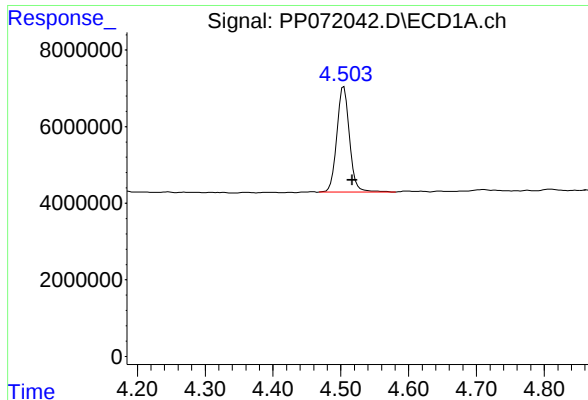
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:14 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.: 4.505 min
Delta R.T.: -0.012 min
Response: 36114293
Conc: 18.22 ng/ml

Instrument :

ECD_P

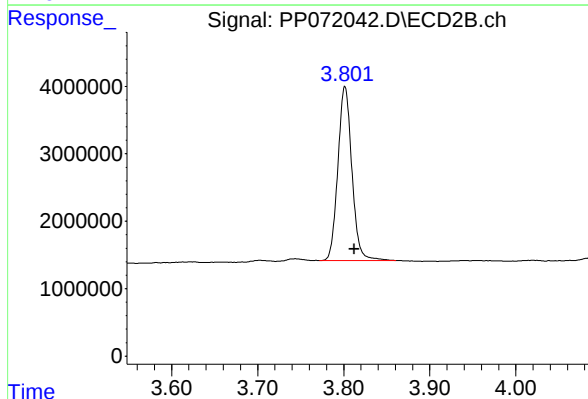
ClientSampleId :

TP-14

Manual Integrations
APPROVED

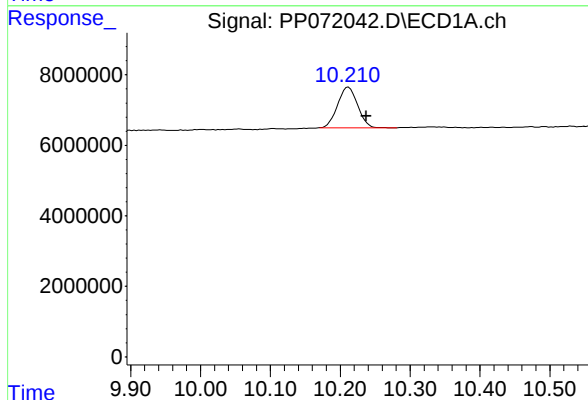
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025



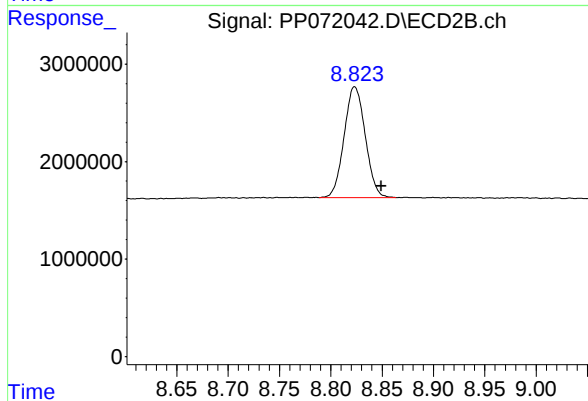
#1 Tetrachloro-m-xylene

R.T.: 3.801 min
Delta R.T.: -0.011 min
Response: 29270379
Conc: 20.78 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.212 min
Delta R.T.: -0.026 min
Response: 22988029
Conc: 15.88 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.823 min
Delta R.T.: -0.026 min
Response: 16274287
Conc: 18.56 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072043.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:01
 Operator : YP\AJ
 Sample : Q2010-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 TP-17

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:27:28 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...	4.504	3.802	37251040	30116146	18.789	21.380m
2) SA Decachlor...	10.211	8.825	23226559	16423131	16.040	18.725m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:01
Operator : YP\AJ
Sample : Q2010-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

TP-17

Manual Integrations

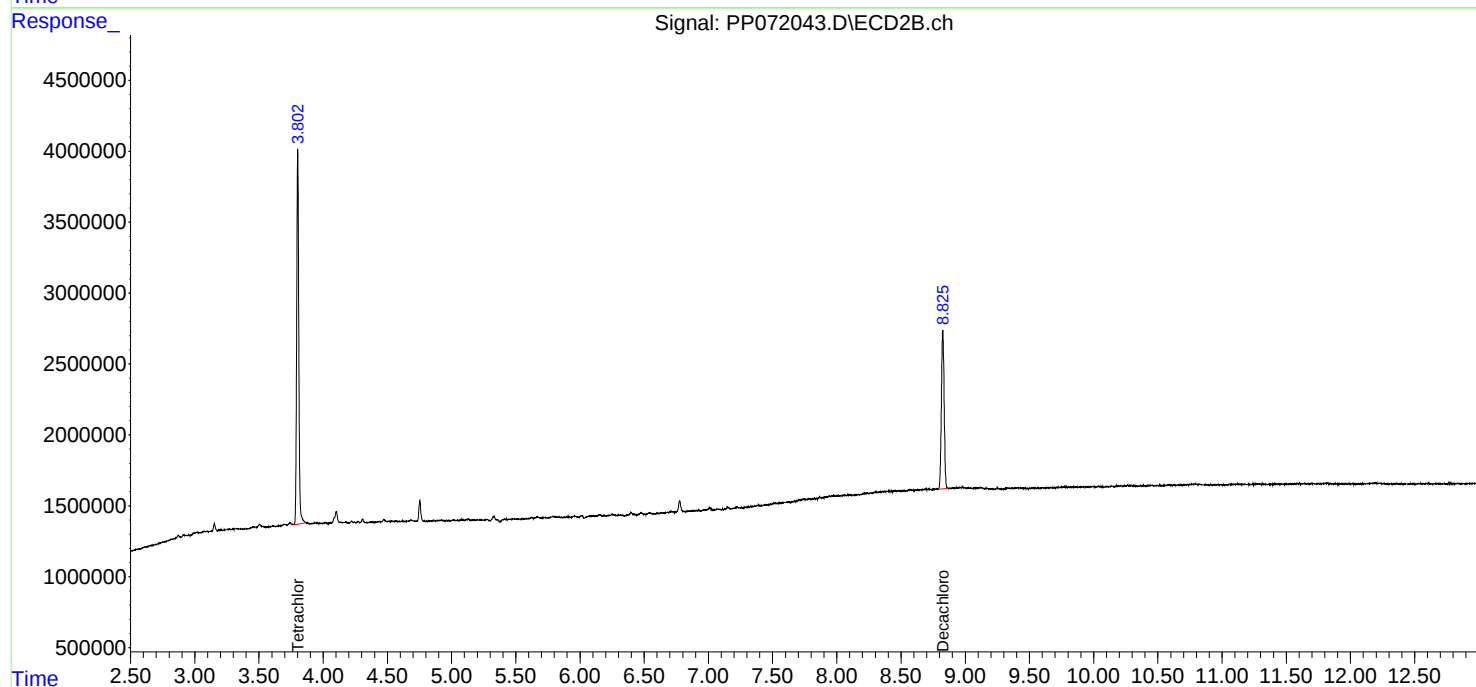
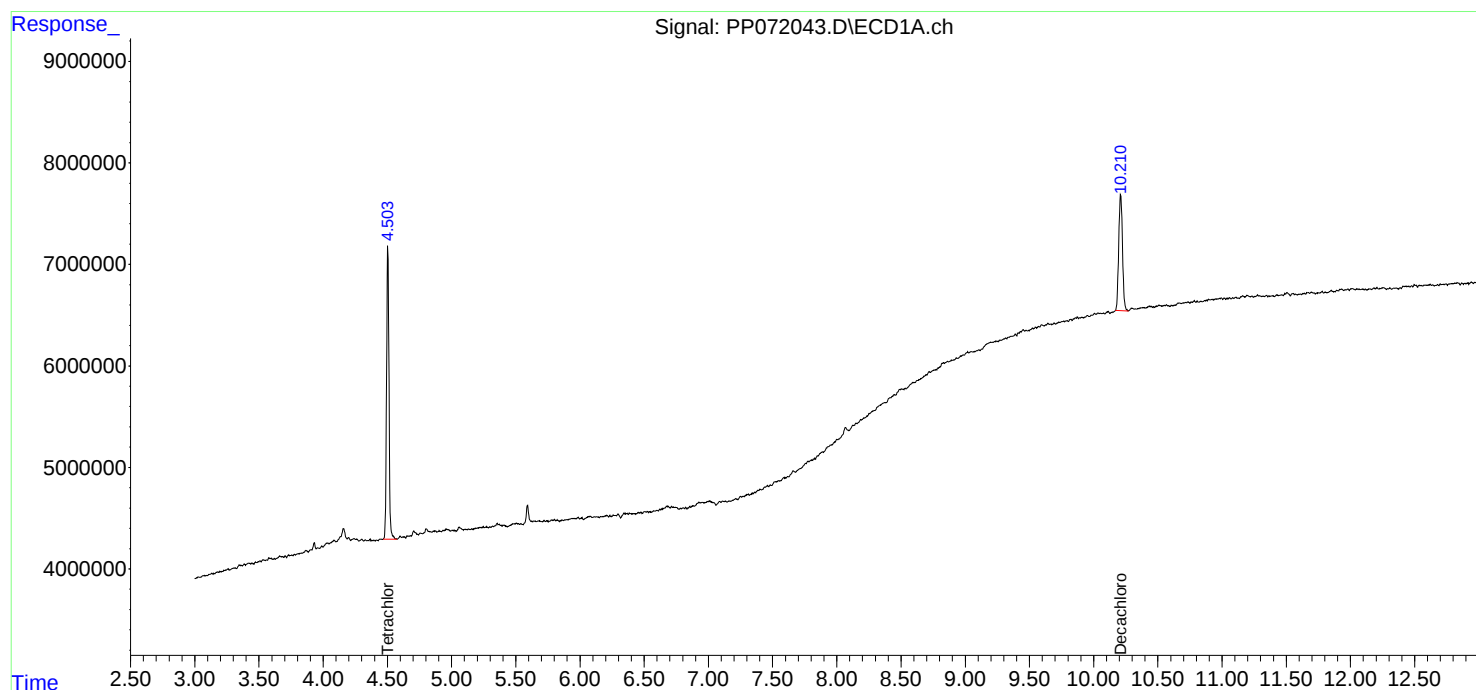
APPROVED

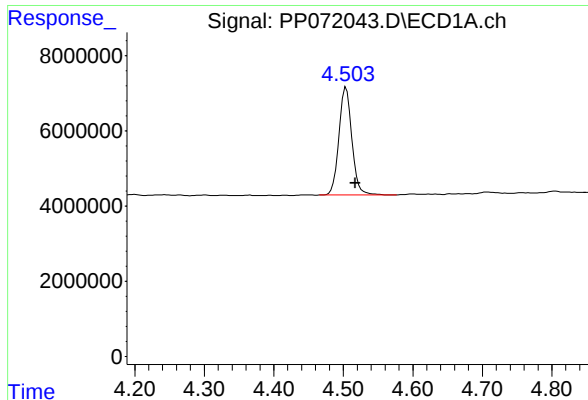
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:28 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.: 4.504 min
Delta R.T.: -0.013 min
Response: 37251040
Conc: 18.79 ng/ml

Instrument :

ECD_P

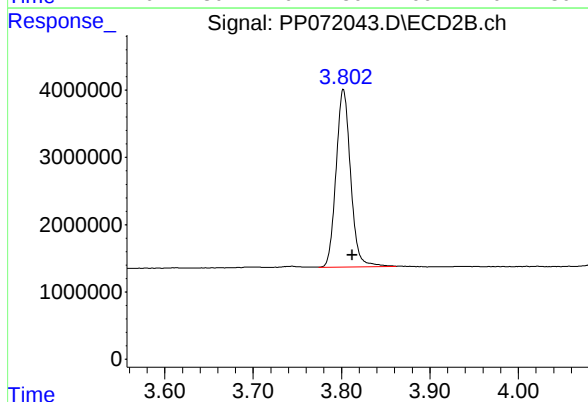
ClientSampleId :

TP-17

Manual Integrations
APPROVED

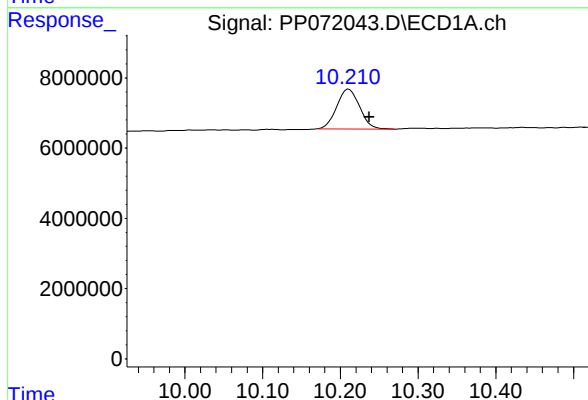
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025



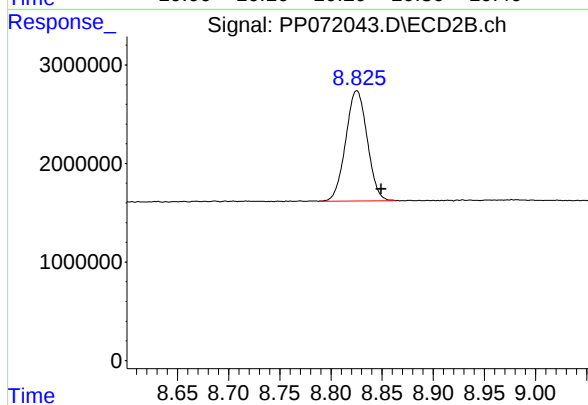
#1 Tetrachloro-m-xylene

R.T.: 3.802 min
Delta R.T.: -0.011 min
Response: 30116146
Conc: 21.38 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.211 min
Delta R.T.: -0.026 min
Response: 23226559
Conc: 16.04 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 16423131
Conc: 18.73 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072038.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 13:39
 Operator : YP\AJ
 Sample : PB167997BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_P
 ClientSampleId :
 PB167997BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/15/2025
 Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:26:13 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...	4.507	3.803	39159986	31312953	19.751	22.229
2) SA Decachlor...	10.217	8.825	30561334	21288469	21.106	24.273m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072038.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:39
Operator : YP\AJ
Sample : PB167997BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB167997BL

Manual Integrations

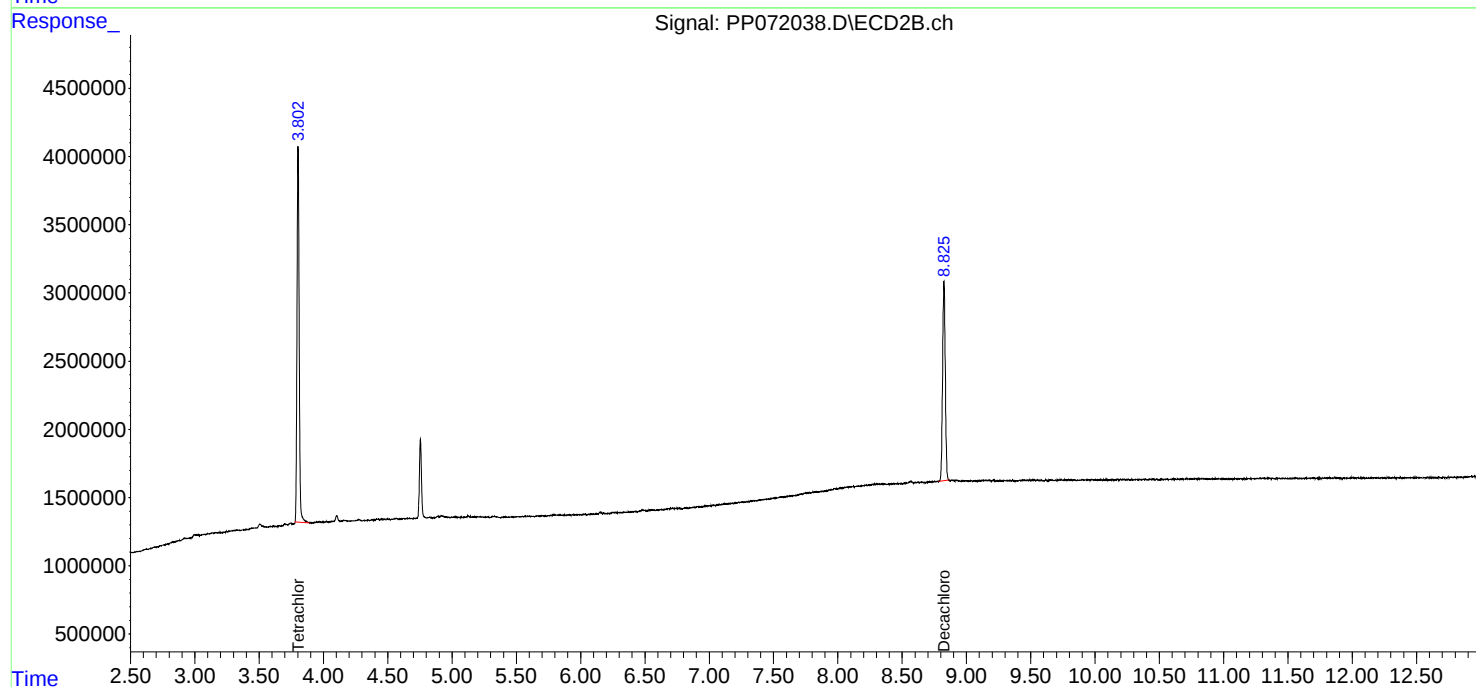
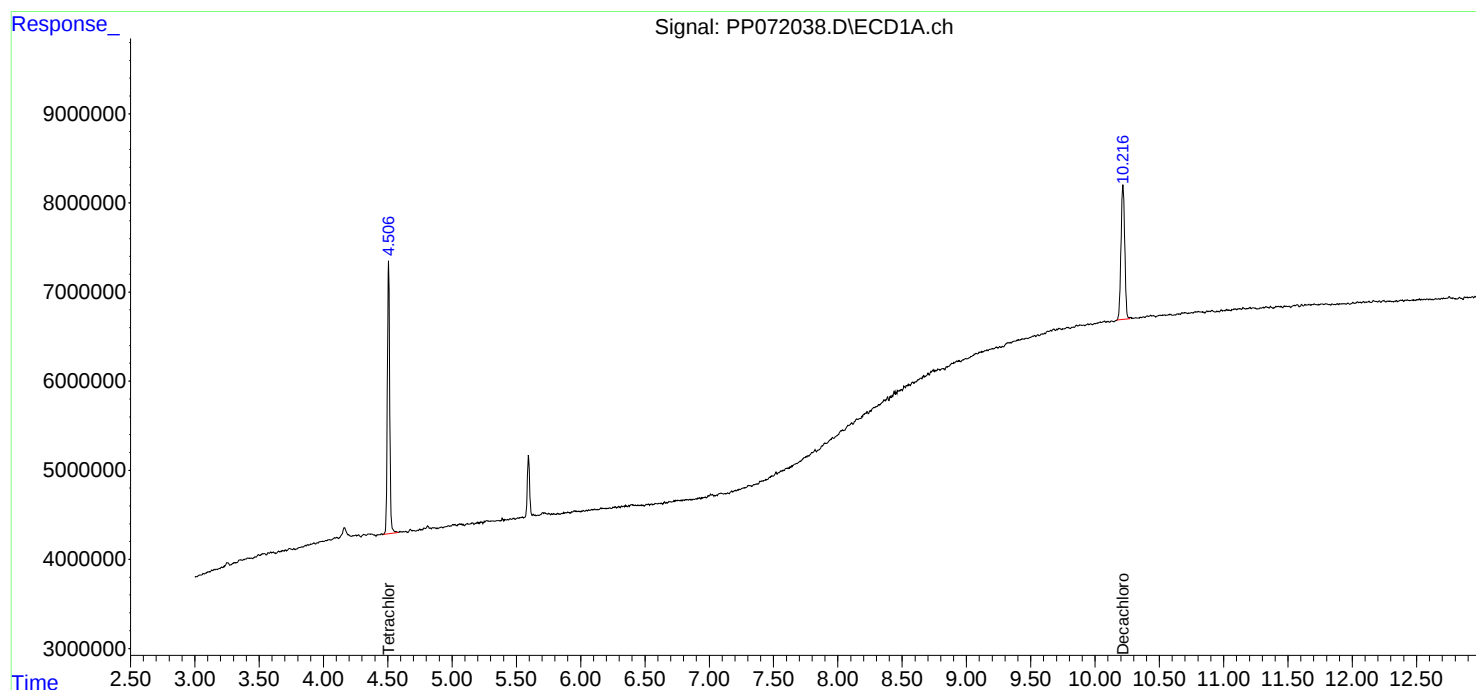
APPROVED

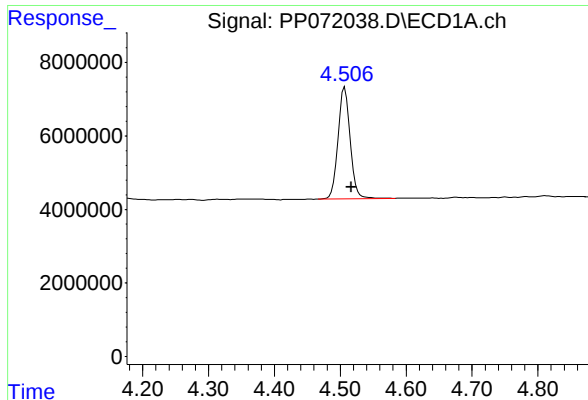
Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:13 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





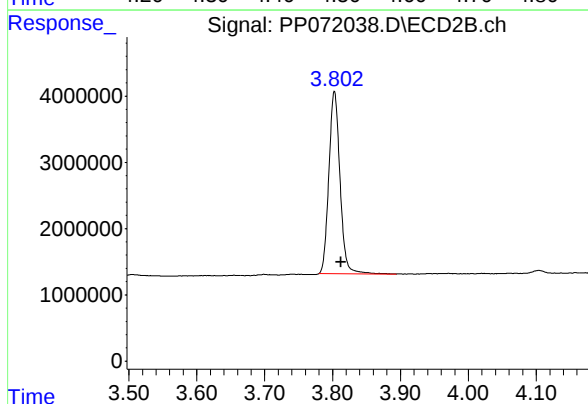
#1 Tetrachloro-m-xylene

R.T.: 4.507 min
Delta R.T.: -0.010 min
Response: 39159986
Conc: 19.75 ng/ml

Instrument :
ECD_P
ClientSampleId :
PB167997BL

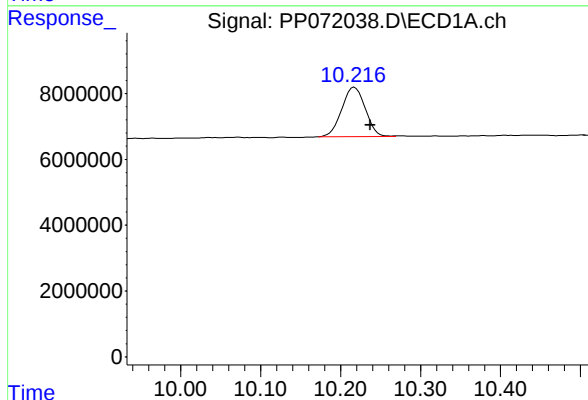
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/15/2025
Supervised By :mohammad ahmed 05/19/2025



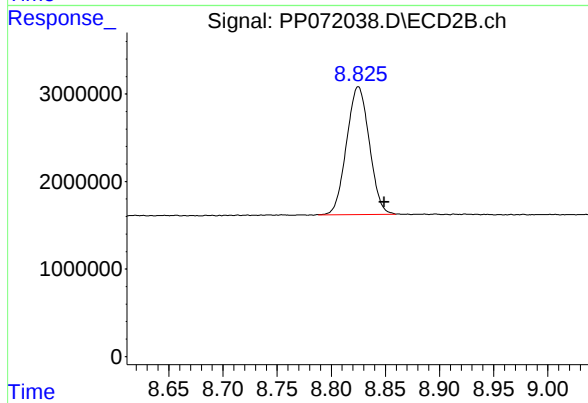
#1 Tetrachloro-m-xylene

R.T.: 3.803 min
Delta R.T.: -0.010 min
Response: 31312953
Conc: 22.23 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.217 min
Delta R.T.: -0.020 min
Response: 30561334
Conc: 21.11 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.825 min
Delta R.T.: -0.024 min
Response: 21288469
Conc: 24.27 ng/ml m

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
 Data File : PP072039.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 13:55
 Operator : YP\AJ
 Sample : PB167997BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB167997BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:26:28 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	3.802	38583145	28238433	19.461	20.047m
2) SA Decachlor...	10.216	8.826	30691863	20560304	21.196	23.442m
Target Compounds						
3) L1 AR-1016-1	5.662	4.885	29823581	25648042	444.797	479.102m
4) L1 AR-1016-2	5.684	4.903	46909717	37410902	457.084	489.904m
5) L1 AR-1016-3	5.746	5.080	28521259	19489028	462.654	461.711m
6) L1 AR-1016-4	5.843	5.122	23090730	15757604	450.128	456.928
7) L1 AR-1016-5	6.135	5.336	20553381	20446901	426.079	460.026
31) L7 AR-1260-1	7.253	6.369	43489431	35435572	452.899	490.124
32) L7 AR-1260-2	7.508	6.558	66474338	43171063	464.604	493.601
33) L7 AR-1260-3	7.866	6.710	45387438	39305765	404.869	501.428
34) L7 AR-1260-4	8.090	7.181	47249096	29171218	418.634	462.224
35) L7 AR-1260-5	8.409	7.423	97753918	68275266	431.445	452.822

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072039.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 13:55
Operator : YP\AJ
Sample : PB167997BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

PB167997BS

Manual Integrations

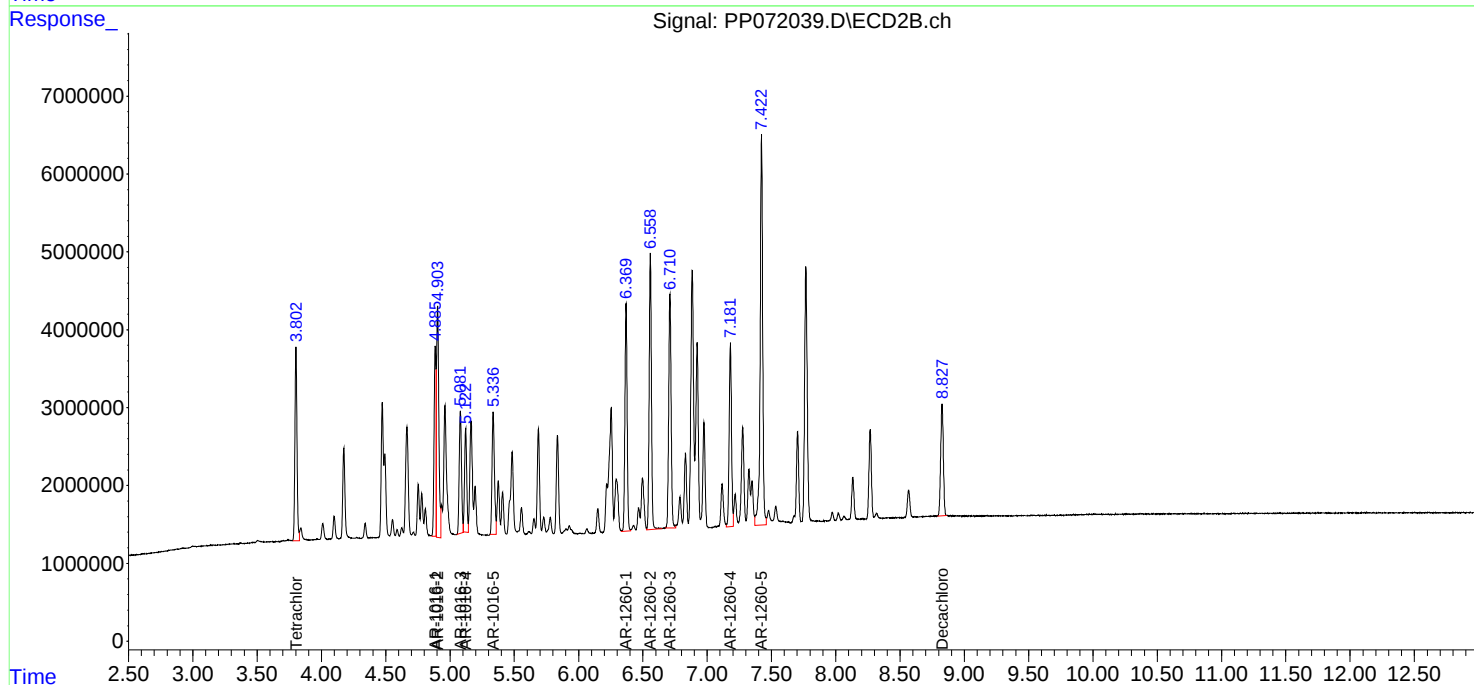
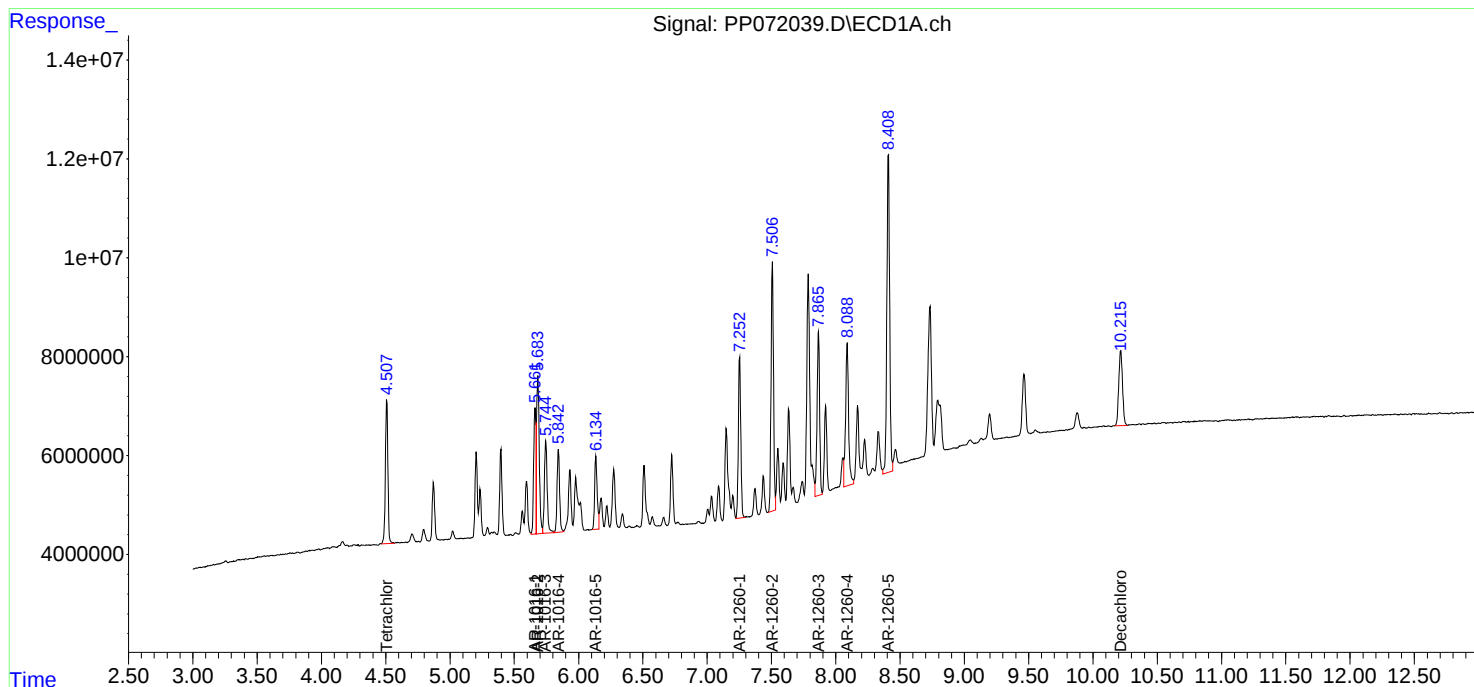
APPROVED

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:26:28 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\PP051425\
 Data File : PP072045.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:34
 Operator : YP\AJ
 Sample : Q2019-01MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MH-KMS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:27:59 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...	4.506	3.800	44280277	33923421	22.334	24.082m
2) SA Decachlor...	10.213	8.824	33825968	22630232	23.360	25.803m

Target Compounds						
3) L1 AR-1016-1	5.680	4.902	52910048	33066449	789.115	617.677
4) L1 AR-1016-2	5.680	4.902	52910048	33066449	515.550	433.013
5) L1 AR-1016-3	5.742	5.079	31729495	20890623	514.696	494.916
6) L1 AR-1016-4	5.840	5.121	26427333	17373428	515.171	503.783
7) L1 AR-1016-5	6.133	5.335	23449459	23510464	486.116	528.952
31) L7 AR-1260-1	7.251	6.368	49182678	41943313	512.188	580.135
32) L7 AR-1260-2	7.504	6.557	72886659	49482978	509.421	565.769
33) L7 AR-1260-3	7.863	6.709	50414610	44792751	449.713	571.427 #
34) L7 AR-1260-4	8.085	7.179	51351565	31341034	454.983m	496.605m
35) L7 AR-1260-5	8.406	7.421	108.0E6	74490881	476.535	494.046

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:34
Operator : YP\AJ
Sample : Q2019-01MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MH-KMS

Manual Integrations

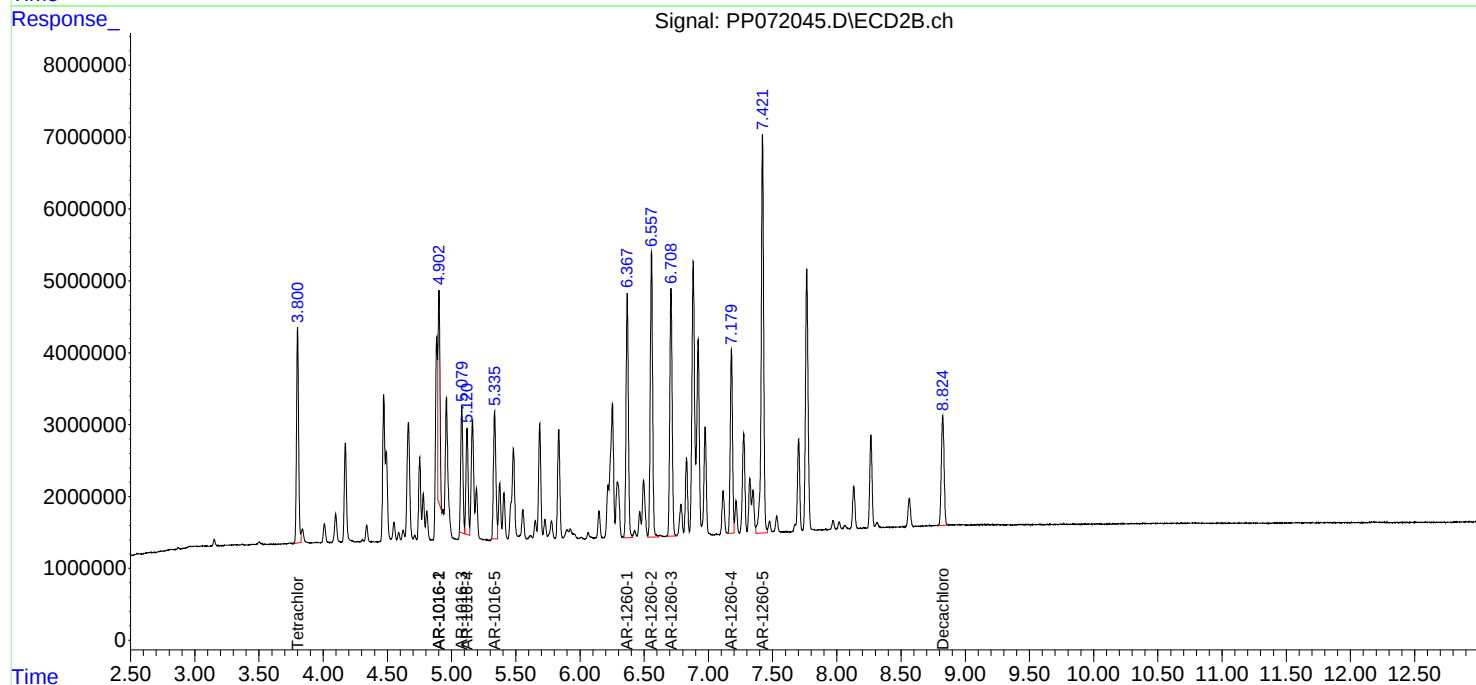
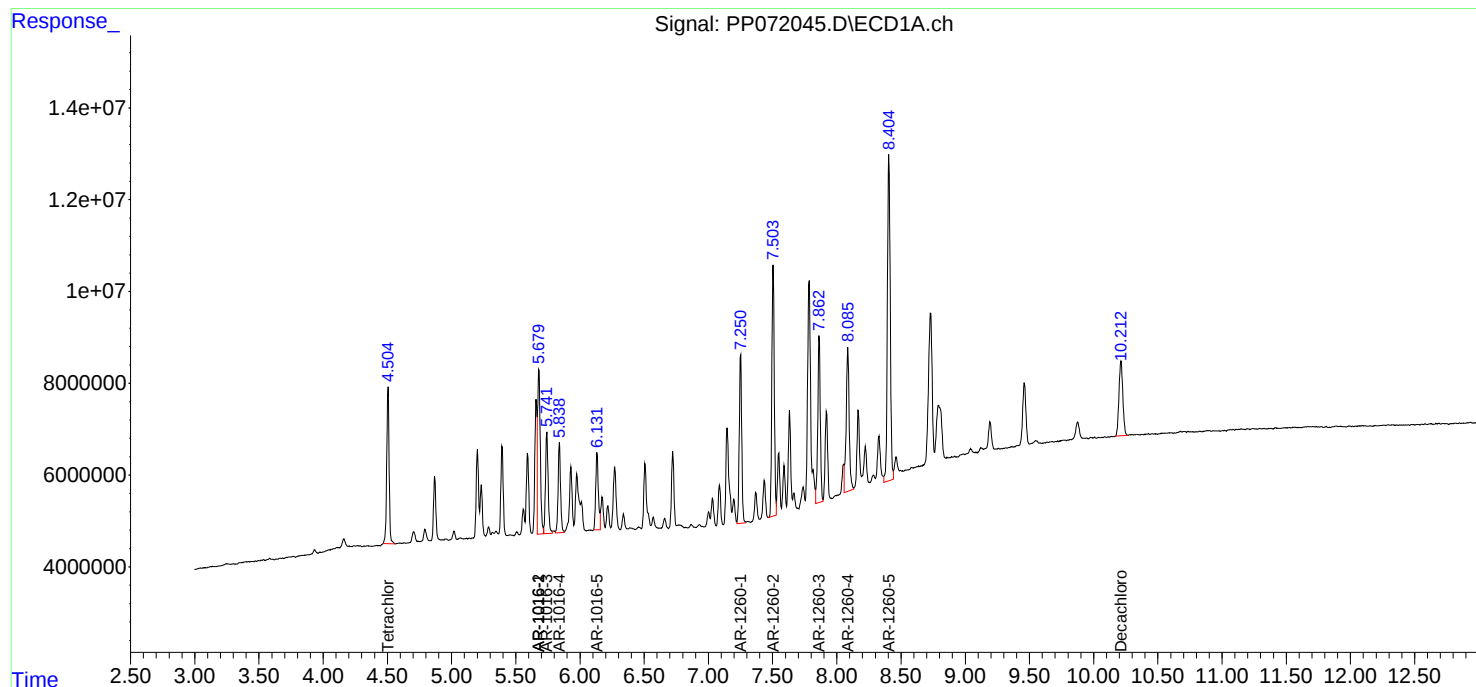
APPROVED

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:27:59 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\PP051425\
 Data File : PP072046.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 May 2025 15:50
 Operator : YP\AJ
 Sample : Q2019-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MH-KMSD

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 15 02:28:14 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...	4.502	3.802	41734491	31698953	21.050m	22.503m
2) SA Decachlor...	10.213	8.826	30738047	21201114	21.228	24.173m

Target Compounds						
3) L1 AR-1016-1	5.655	4.885	35132630	27506529	523.978m	513.818m
4) L1 AR-1016-2	5.677	4.904	47894975	40339147	466.684m	528.250m
5) L1 AR-1016-3	5.741	5.081	29648781	20289499	480.944	480.675
6) L1 AR-1016-4	5.839	5.122	24439847	16808120	476.427	487.391
7) L1 AR-1016-5	6.131	5.337	21281479	21622551	441.173	486.476
31) L7 AR-1260-1	7.249	6.369	45439180	37163460	473.203	514.023
32) L7 AR-1260-2	7.502	6.558	67834811	44270559	474.113	506.172
33) L7 AR-1260-3	7.861	6.710	46212909	40329230	412.232	514.485
34) L7 AR-1260-4	8.085	7.181	49024073	29082638	434.361	460.820
35) L7 AR-1260-5	8.404	7.423	100.1E6	68310242	441.800	453.054

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_P\Data\PP051425\
Data File : PP072046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 15:50
Operator : YP\AJ
Sample : Q2019-01MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_P

ClientSampleId :

MH-KMSD

Manual Integrations

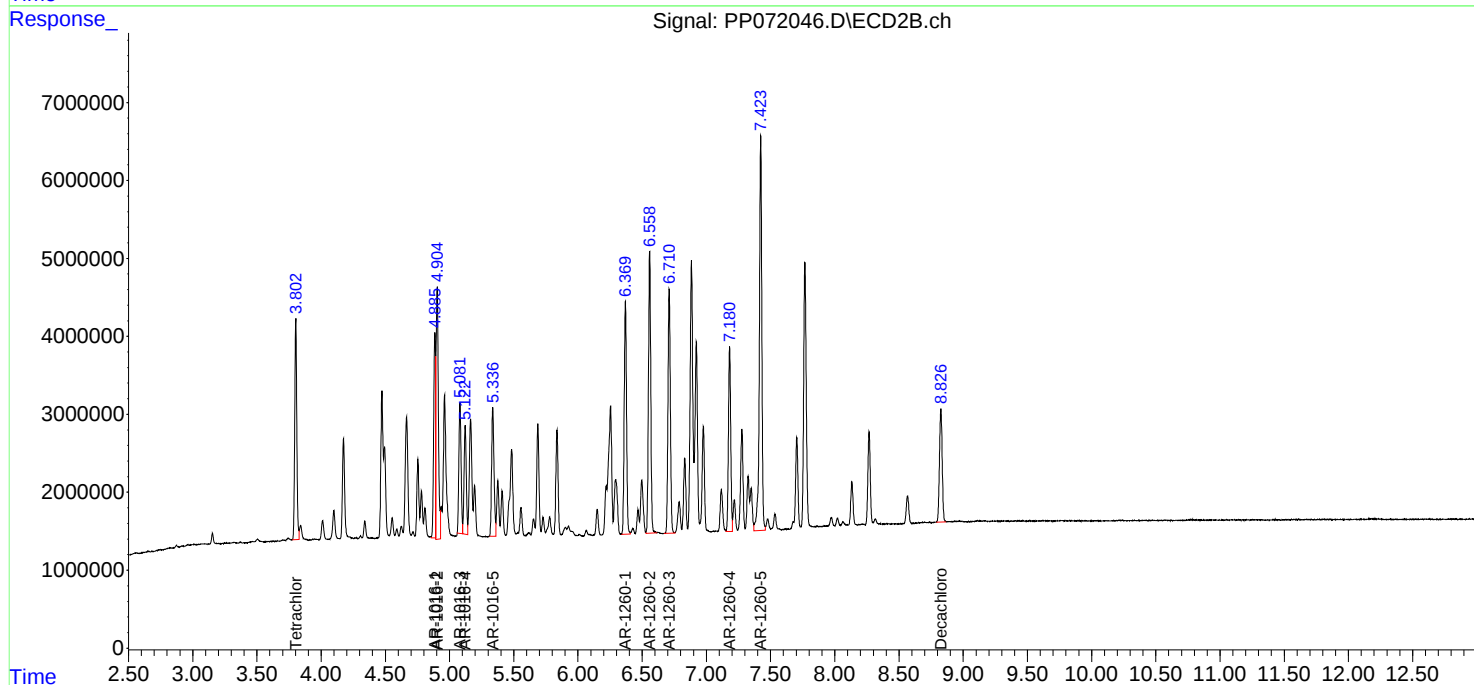
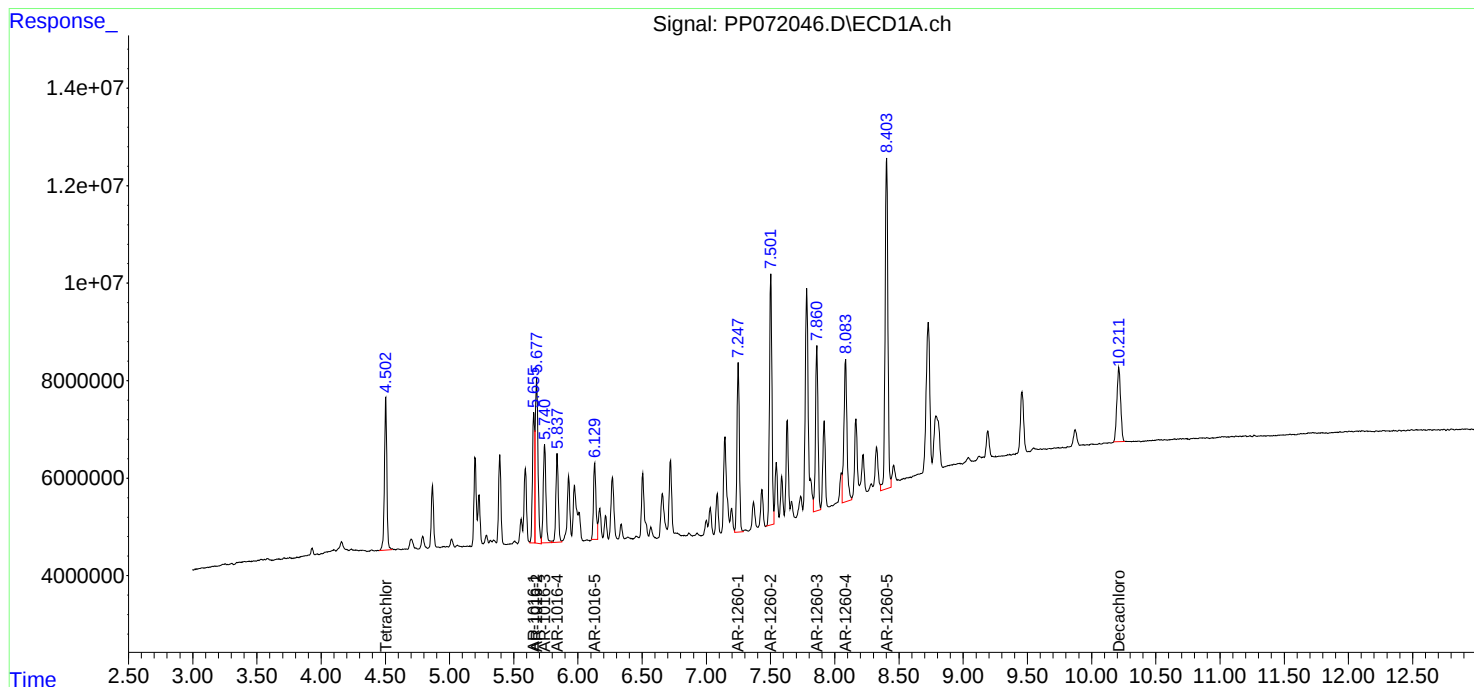
APPROVED

Reviewed By :Yogesh Patel 05/15/2025

Supervised By :mohammad ahmed 05/19/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:28:14 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



Manual Integration Report

Sequence:	PP042225	Instrument	ECD_p
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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
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
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
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
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072033.D	AR-1016-1	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-1 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1016-2 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	AR-1260-4 #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072033.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:57:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-1 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-2 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	AR-1242-3 #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072034.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	AR-1248-1 #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Decachlorobiphenyl	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072035.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072035.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	AR-1254-4 #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072036.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:53 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072037.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BL	PP072038.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-1 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-2 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	AR-1016-3 #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
PB167997BS	PP072039.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:58:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2010-01	PP072040.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-01	PP072040.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-02	PP072041.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:03 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-03	PP072042.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:05 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-03	PP072042.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:05 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-04	PP072043.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:07 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2010-04	PP072043.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:07 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	AR-1260-4	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	AR-1260-4 #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MS	PP072045.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2019-01MS	PP072045.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:18 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-1	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-1 #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	AR-1016-2 #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Tetrachloro-m-xylene	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
Q2019-01MSD	PP072046.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:20 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-1 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-2 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	AR-1016-3 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072048.D	AR-1260-4 #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072048.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:24 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-1 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-2 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	AR-1242-3 #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072049.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:26 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-1 #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	AR-1248-3	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072050.D	Decachlorobiphenyl	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1248CCC500	PP072050.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:28 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072051.D	AR-1254-4 #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072051.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072051.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 7:59:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072052.D	Decachlorobiphenyl #2	yogesh	5/15/2025 7:59:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-1	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072063.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:30 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	Decachlorobiphenyl	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072064.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072064.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:32 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	AR-1248-3	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072065.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:34 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072066.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:36 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072067.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:38 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-1 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-2 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC500	PP072076.D	AR-1016-3 #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	AR-1016-5	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072076.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:55 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	AR-1242-1 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	AR-1242-2 #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072077.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:56 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	AR-1248-1 #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072078.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:00:58 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072079.D	Decachlorobiphenyl	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072079.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:	pp051425	Instrument	ECD_p
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PP072079.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:00 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072080.D	Decachlorobiphenyl #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072080.D	Tetrachloro-m-xylene #2	yogesh	5/15/2025 8:01:02 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-1 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1016-2 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	AR-1260-4 #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1660CCC500	PP072091.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:39 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-1 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	AR-1242-2 #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1242CCC500	PP072092.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

Manual Integration Report

Sequence:

pp051425

Instrument

ECD_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1242CCC500	PP072092.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:41 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	AR-1248-5 #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1248CCC500	PP072093.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:43 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	AR-1254-4 #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
AR1254CCC500	PP072094.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:45 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Decachlorobiphenyl #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software
I.BLK	PP072095.D	Tetrachloro-m-xylene #2	yogesh	5/16/2025 8:09:47 AM	mohammad	5/19/2025 2:35:06	Peak Integrated by Software

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#	SampleId	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 # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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	PP072032.D	14 May 2025 08:51	YP\AJ	Ok
2	AR1660CCC500	PP072033.D	14 May 2025 09:07	YP\AJ	Ok,M
3	AR1242CCC500	PP072034.D	14 May 2025 09:25	YP\AJ	Ok,M
4	AR1248CCC500	PP072035.D	14 May 2025 09:41	YP\AJ	Ok,M
5	AR1254CCC500	PP072036.D	14 May 2025 09:58	YP\AJ	Ok,M
6	I.BLK	PP072037.D	14 May 2025 10:14	YP\AJ	Ok,M
7	PB167997BL	PP072038.D	14 May 2025 13:39	YP\AJ	Ok,M
8	PB167997BS	PP072039.D	14 May 2025 13:55	YP\AJ	Ok,M
9	Q2010-01	PP072040.D	14 May 2025 14:12	YP\AJ	Ok,M
10	Q2010-02	PP072041.D	14 May 2025 14:28	YP\AJ	Ok,M
11	Q2010-03	PP072042.D	14 May 2025 14:44	YP\AJ	Ok,M
12	Q2010-04	PP072043.D	14 May 2025 15:01	YP\AJ	Ok,M
13	Q2019-01	PP072044.D	14 May 2025 15:17	YP\AJ	Ok,M
14	Q2019-01MS	PP072045.D	14 May 2025 15:34	YP\AJ	Ok,M
15	Q2019-01MSD	PP072046.D	14 May 2025 15:50	YP\AJ	Ok,M
16	Q2020-01	PP072047.D	14 May 2025 16:06	YP\AJ	Ok,M
17	AR1660CCC500	PP072048.D	14 May 2025 17:12	YP\AJ	Ok,M
18	AR1242CCC500	PP072049.D	14 May 2025 17:44	YP\AJ	Ok,M
19	AR1248CCC500	PP072050.D	14 May 2025 18:01	YP\AJ	Ok,M
20	AR1254CCC500	PP072051.D	14 May 2025 18:17	YP\AJ	Ok,M
21	I.BLK	PP072052.D	14 May 2025 18:33	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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	Q2005-01	PP072053.D	14 May 2025 18:50	YP\AJ	Ok
23	Q1990-01	PP072054.D	14 May 2025 19:06	YP\AJ	Dilution
24	Q1990-02	PP072055.D	14 May 2025 19:22	YP\AJ	Ok,M
25	Q2041-01	PP072056.D	14 May 2025 19:39	YP\AJ	Ok,M
26	Q2041-02	PP072057.D	14 May 2025 19:55	YP\AJ	Ok,M
27	Q2041-03	PP072058.D	14 May 2025 20:11	YP\AJ	Ok,M
28	Q2041-04	PP072059.D	14 May 2025 20:28	YP\AJ	Not Ok
29	Q2041-05	PP072060.D	14 May 2025 20:44	YP\AJ	Ok,M
30	Q2041-06	PP072061.D	14 May 2025 21:00	YP\AJ	Ok
31	Q2041-07	PP072062.D	14 May 2025 21:17	YP\AJ	Ok,M
32	AR1660CCC500	PP072063.D	14 May 2025 22:55	YP\AJ	Ok,M
33	AR1242CCC500	PP072064.D	14 May 2025 23:27	YP\AJ	Ok,M
34	AR1248CCC500	PP072065.D	14 May 2025 23:44	YP\AJ	Ok,M
35	AR1254CCC500	PP072066.D	15 May 2025 00:00	YP\AJ	Ok,M
36	I.BLK	PP072067.D	15 May 2025 00:16	YP\AJ	Ok,M
37	Q2041-08	PP072068.D	15 May 2025 00:33	YP\AJ	Ok
38	Q2042-01	PP072069.D	15 May 2025 00:49	YP\AJ	Ok,M
39	Q2042-02	PP072070.D	15 May 2025 01:05	YP\AJ	Ok
40	Q2042-04	PP072071.D	15 May 2025 01:22	YP\AJ	Ok,M
41	Q2042-05	PP072072.D	15 May 2025 01:38	YP\AJ	Ok,M
42	Q2022-01	PP072073.D	15 May 2025 01:55	YP\AJ	Ok,M
43	Q2022-02	PP072074.D	15 May 2025 02:11	YP\AJ	Ok,M
44	Q2022-04	PP072075.D	15 May 2025 02:27	YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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			

45	AR1660CCC500	PP072076.D	15 May 2025 04:05	YPIAJ	Ok,M
46	AR1242CCC500	PP072077.D	15 May 2025 04:38	YPIAJ	Ok,M
47	AR1248CCC500	PP072078.D	15 May 2025 04:54	YPIAJ	Ok,M
48	AR1254CCC500	PP072079.D	15 May 2025 05:11	YPIAJ	Ok,M
49	I.BLK	PP072080.D	15 May 2025 05:27	YPIAJ	Ok,M
50	PB168005BL	PP072081.D	15 May 2025 05:43	YPIAJ	Ok,M
51	PB168005BS	PP072082.D	15 May 2025 05:59	YPIAJ	Ok,M
52	PB168005BSD	PP072083.D	15 May 2025 06:16	YPIAJ	Ok,M
53	PB168009BL	PP072084.D	15 May 2025 06:32	YPIAJ	Ok,M
54	PB168009BS	PP072085.D	15 May 2025 06:48	YPIAJ	Ok,M
55	Q2023-01	PP072086.D	15 May 2025 07:05	YPIAJ	Ok,M
56	Q2024-01	PP072087.D	15 May 2025 07:21	YPIAJ	Ok,M
57	Q2027-03	PP072088.D	15 May 2025 07:37	YPIAJ	Ok,M
58	Q2027-04	PP072089.D	15 May 2025 07:54	YPIAJ	Ok,M
59	Q2023-01	PP072090.D	15 May 2025 08:10	YPIAJ	Ok,M
60	AR1660CCC500	PP072091.D	15 May 2025 09:15	YPIAJ	Ok,M
61	AR1242CCC500	PP072092.D	15 May 2025 09:32	YPIAJ	Ok,M
62	AR1248CCC500	PP072093.D	15 May 2025 09:48	YPIAJ	Ok,M
63	AR1254CCC500	PP072094.D	15 May 2025 10:05	YPIAJ	Ok,M
64	I.BLK	PP072095.D	15 May 2025 10:22	YPIAJ	Ok,M

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 # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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	PP072032.D	14 May 2025 08:51		YP\AJ	Ok
2	AR1660CCC500	AR1660CCC500	PP072033.D	14 May 2025 09:07		YP\AJ	Ok,M
3	AR1242CCC500	AR1242CCC500	PP072034.D	14 May 2025 09:25	DCB high in 2nd column	YP\AJ	Ok,M
4	AR1248CCC500	AR1248CCC500	PP072035.D	14 May 2025 09:41	DCB high in 2nd column	YP\AJ	Ok,M
5	AR1254CCC500	AR1254CCC500	PP072036.D	14 May 2025 09:58	DCB high in 2nd column	YP\AJ	Ok,M
6	I.BLK	I.BLK	PP072037.D	14 May 2025 10:14		YP\AJ	Ok,M
7	PB167997BL	PB167997BL	PP072038.D	14 May 2025 13:39		YP\AJ	Ok,M
8	PB167997BS	PB167997BS	PP072039.D	14 May 2025 13:55		YP\AJ	Ok,M
9	Q2010-01	TP-10	PP072040.D	14 May 2025 14:12		YP\AJ	Ok,M
10	Q2010-02	TP-13	PP072041.D	14 May 2025 14:28		YP\AJ	Ok,M
11	Q2010-03	TP-14	PP072042.D	14 May 2025 14:44		YP\AJ	Ok,M
12	Q2010-04	TP-17	PP072043.D	14 May 2025 15:01		YP\AJ	Ok,M
13	Q2019-01	MH-K	PP072044.D	14 May 2025 15:17		YP\AJ	Ok,M
14	Q2019-01MS	MH-KMS	PP072045.D	14 May 2025 15:34		YP\AJ	Ok,M
15	Q2019-01MSD	MH-KMSD	PP072046.D	14 May 2025 15:50		YP\AJ	Ok,M
16	Q2020-01	TP-A	PP072047.D	14 May 2025 16:06	AR1254 Hit	YP\AJ	Ok,M
17	AR1660CCC500	AR1660CCC500	PP072048.D	14 May 2025 17:12		YP\AJ	Ok,M
18	AR1242CCC500	AR1242CCC500	PP072049.D	14 May 2025 17:44		YP\AJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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	AR1248CCC500	AR1248CCC500	PP072050.D	14 May 2025 18:01		YPIAJ	Ok,M
20	AR1254CCC500	AR1254CCC500	PP072051.D	14 May 2025 18:17		YPIAJ	Ok,M
21	I.BLK	I.BLK	PP072052.D	14 May 2025 18:33		YPIAJ	Ok,M
22	Q2005-01	252806	PP072053.D	14 May 2025 18:50	DCB low in 1st column	YPIAJ	Ok
23	Q1990-01	43025-A	PP072054.D	14 May 2025 19:06	AR1254 + 1242 Hit , need dilution	YPIAJ	Dilution
24	Q1990-02	43025-B	PP072055.D	14 May 2025 19:22	AR1254 + 1242 Hit (Need to confirm)	YPIAJ	Ok,M
25	Q2041-01	HIH359A-1-1	PP072056.D	14 May 2025 19:39	AR1254 Hit	YPIAJ	Ok,M
26	Q2041-02	HIH359A-1-2	PP072057.D	14 May 2025 19:55	AR1254 Hit	YPIAJ	Ok,M
27	Q2041-03	HIA9895-1-1	PP072058.D	14 May 2025 20:11		YPIAJ	Ok,M
28	Q2041-04	HIA9895-1-2	PP072059.D	14 May 2025 20:28	Surrogates not detected	YPIAJ	Not Ok
29	Q2041-05	250-1-1	PP072060.D	14 May 2025 20:44		YPIAJ	Ok,M
30	Q2041-06	250-1-2	PP072061.D	14 May 2025 21:00		YPIAJ	Ok
31	Q2041-07	250-2-1	PP072062.D	14 May 2025 21:17		YPIAJ	Ok,M
32	AR1660CCC500	AR1660CCC500	PP072063.D	14 May 2025 22:55		YPIAJ	Ok,M
33	AR1242CCC500	AR1242CCC500	PP072064.D	14 May 2025 23:27		YPIAJ	Ok,M
34	AR1248CCC500	AR1248CCC500	PP072065.D	14 May 2025 23:44		YPIAJ	Ok,M
35	AR1254CCC500	AR1254CCC500	PP072066.D	15 May 2025 00:00		YPIAJ	Ok,M
36	I.BLK	I.BLK	PP072067.D	15 May 2025 00:16		YPIAJ	Ok,M
37	Q2041-08	250-2-2	PP072068.D	15 May 2025 00:33	DCB high in 1st column	YPIAJ	Ok

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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	Q2042-01	HEI570L-1-1	PP072069.D	15 May 2025 00:49	AR1254 Hit	YPIAJ	Ok,M
39	Q2042-02	HEI570L-1-2	PP072070.D	15 May 2025 01:05		YPIAJ	Ok
40	Q2042-04	HEI570L-2-1	PP072071.D	15 May 2025 01:22	AR1254 Hit	YPIAJ	Ok,M
41	Q2042-05	HEI570L-2-2	PP072072.D	15 May 2025 01:38		YPIAJ	Ok,M
42	Q2022-01	336	PP072073.D	15 May 2025 01:55		YPIAJ	Ok,M
43	Q2022-02	COMP-1	PP072074.D	15 May 2025 02:11		YPIAJ	Ok,M
44	Q2022-04	COMP-2	PP072075.D	15 May 2025 02:27		YPIAJ	Ok,M
45	AR1660CCC500	AR1660CCC500	PP072076.D	15 May 2025 04:05		YPIAJ	Ok,M
46	AR1242CCC500	AR1242CCC500	PP072077.D	15 May 2025 04:38		YPIAJ	Ok,M
47	AR1248CCC500	AR1248CCC500	PP072078.D	15 May 2025 04:54		YPIAJ	Ok,M
48	AR1254CCC500	AR1254CCC500	PP072079.D	15 May 2025 05:11		YPIAJ	Ok,M
49	I.BLK	I.BLK	PP072080.D	15 May 2025 05:27		YPIAJ	Ok,M
50	PB168005BL	PB168005BL	PP072081.D	15 May 2025 05:43		YPIAJ	Ok,M
51	PB168005BS	PB168005BS	PP072082.D	15 May 2025 05:59		YPIAJ	Ok,M
52	PB168005BSD	PB168005BSD	PP072083.D	15 May 2025 06:16		YPIAJ	Ok,M
53	PB168009BL	PB168009BL	PP072084.D	15 May 2025 06:32		YPIAJ	Ok,M
54	PB168009BS	PB168009BS	PP072085.D	15 May 2025 06:48		YPIAJ	Ok,M
55	Q2023-01	HEATER-PAD	PP072086.D	15 May 2025 07:05		YPIAJ	Ok,M
56	Q2024-01	PL-02-051325	PP072087.D	15 May 2025 07:21		YPIAJ	Ok,M

Instrument ID: ECD_P

Daily Analysis Runlog For Sequence/QC Batch ID # PP051425

Review By	yogesh	Review On	5/14/2025 10:30:08 AM
Supervise By	mohammad	Supervise On	5/19/2025 2:35:06 AM
SubDirectory	PP051425	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			

57	Q2027-03	B27-SOIL-SAMPLE	PP072088.D	15 May 2025 07:37		YPIAJ	Ok,M
58	Q2027-04	B28-SOIL-SAMPLE	PP072089.D	15 May 2025 07:54	AR1260 + 1254 Hit	YPIAJ	Ok,M
59	Q2023-01	HEATER-PAD	PP072090.D	15 May 2025 08:10		YPIAJ	Ok,M
60	AR1660CCC500	AR1660CCC500	PP072091.D	15 May 2025 09:15		YPIAJ	Ok,M
61	AR1242CCC500	AR1242CCC500	PP072092.D	15 May 2025 09:32		YPIAJ	Ok,M
62	AR1248CCC500	AR1248CCC500	PP072093.D	15 May 2025 09:48		YPIAJ	Ok,M
63	AR1254CCC500	AR1254CCC500	PP072094.D	15 May 2025 10:05		YPIAJ	Ok,M
64	I.BLK	I.BLK	PP072095.D	15 May 2025 10:22		YPIAJ	Ok,M

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 05/14/2025

Matrix : Solid

Extraction Start Time : 09:00

Weigh By: EH

Extraction By: RJ

Extraction End Date : 05/14/2025

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:10

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : RUPESH

Extraction Method: ☐ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	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	EP2613
Baked Na2SO4	N/A	EP2611
Sand	N/A	E2865
Hexane	N/A	E3934
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

Envap ID: NEVAP-02

KD Bath Temperature: N/A

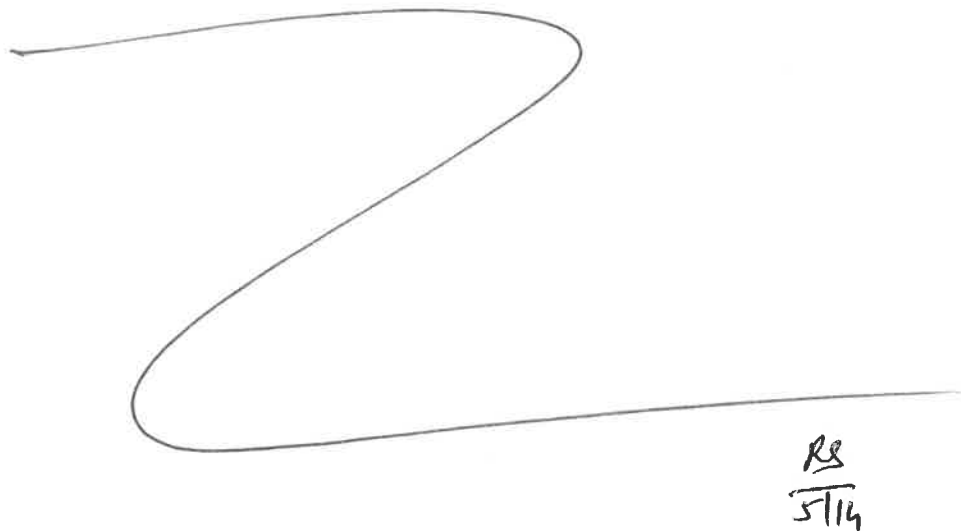
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/14/25	RS (B4-bab)	Y. P. Pest/PCA
12:15	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/14/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167997BL	ABLK997	PCB	30.01	N/A	ritesh	Evelyn	10			U6-1
PB167997BS	ALCS997	PCB	30.02	N/A	ritesh	Evelyn	10			2
Q2010-01	TP-10	PCB	30.05	N/A	ritesh	Evelyn	10	F		3
Q2010-02	TP-13	PCB	30.03	N/A	ritesh	Evelyn	10	F		4
Q2010-03	TP-14	PCB	30.05	N/A	ritesh	Evelyn	10	F		5
Q2010-04	TP-17	PCB	30.02	N/A	ritesh	Evelyn	10	F		6
Q2019-01	MH-K	PCB	30.08	N/A	ritesh	Evelyn	10	E		U7-1
Q2019-01MS	MH-KMS	PCB	30.02	N/A	ritesh	Evelyn	10	E		2
Q2019-01MS D	MH-KMSD	PCB	30.04	N/A	ritesh	Evelyn	10	E		3
Q2020-01	TP-A	PCB	30.01	N/A	ritesh	Evelyn	10	E		4
Q2022-01	336	PCB	30.03	N/A	ritesh	Evelyn	10	A	Concrete	5
Q2022-02	COMP-1	PCB	30.06	N/A	ritesh	Evelyn	10	E		6
Q2022-04	COMP-2	PCB	30.08	N/A	ritesh	Evelyn	10	E		U1-1
Q2023-01	HEATER-PAD	PCB	30.05	N/A	ritesh	Evelyn	10	B	Concrete	2
Q2024-01	PL-02-051325	PCB	30.02	N/A	ritesh	Evelyn	10	E		3
Q2027-03	B27-SOIL-SAMPLE	PCB	30.01	N/A	ritesh	Evelyn	10	A		4
Q2027-04	B28-SOIL-SAMPLE	PCB	30.06	N/A	ritesh	Evelyn	10	A		5



167997
9:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2010P

WorkList ID : 189498

Department : Extraction

Date : 05-14-2025 08:43:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2010-01	TP-10	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-02	TP-13	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-03	TP-14	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2010-04	TP-17	Solid	PCB	Cool 4 deg C	CAMP02	L51	05/08/2025	8082A
Q2019-01	MH-K	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2020-01	TP-A	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/12/2025	8082A
Q2022-01	336	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2022-02	COMP-1	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2022-04	COMP-2	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2023-01	HEATER-PAD	Solid	PCB	Cool 4 deg C	PSEG03	L41	05/13/2025	8082A
Q2024-01	PL-02-051325	Solid	PCB	Cool 4 deg C	PSEG05	L41	05/13/2025	8082A
Q2027-03	B27-SOIL-SAMPLE	Solid	PCB	Cool 4 deg C	SCAL01	L41	05/12/2025	8082A
Q2027-04	B28-SOIL-SAMPLE	Solid	PCB	Cool 4 deg C	SCAL01	L41	05/12/2025	8082A

Date/Time 05/14/25 8:55

Raw Sample Received by: RJ EAT-CLB)

Raw Sample Relinquished by: CP

Date/Time 05/14/25 9:20

Raw Sample Received by: CP

Raw Sample Relinquished by: RJ EAT-CLB)

LAB CHRONICLE

OrderID:	Q2010	OrderDate:	5/9/2025 4:00:00 PM
Client:	CDM Smith	Project:	South River WM Replacement
Contact:	Marcie Ann Encinas	Location:	L51,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2010-01	TP-10	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-02	TP-13	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D			05/14/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-03	TP-14	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/13/25	05/09/25
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	
Q2010-04	TP-17	SOIL	Diesel Range Organics	8015D	05/08/25	05/13/25	05/14/25	05/09/25
			Gasoline Range Organics	8015D			05/13/25	
			PCB	8082A		05/14/25	05/14/25	