



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

SDG No.: P4258

Order ID: P4258

Client: Roman E&G Corp

Project ID: Perth Amboy

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:	Roman E&G Corp		Date Collected:	10/01/24	
Project:	Perth Amboy		Date Received:	10/01/24	
Client Sample ID:	Chamberlain Ave		SDG No.:	P4258	
Lab Sample ID:	P4258-04		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092225.D	1	10/03/24 11:50	10/03/24 17:49	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	9.58		43 - 140	48%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.3		77 - 126	91%	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:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:	10/03/24	
Client Sample ID:	PB163851TB		SDG No.:	P4258	
Lab Sample ID:	PB163851TB		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	100	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092224.D	1	10/03/24 11:50	10/03/24 17:36	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.049	U	0.049	0.50	ug/L
76-44-8	Heptachlor	0.054	U	0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.090	U	0.090	0.50	ug/L
72-20-8	Endrin	0.043	U	0.043	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		77 - 126	97%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

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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

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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



QC SUMMARY

Surrogate Summary

SDG No.: **P4258**

Client: **Roman E&G Corp**

Analytical Method: **8081B**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PL091953.D	PIBLK-PL091953.D	Decachlorobiphenyl	1	20	19.6	98		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
		Decachlorobiphenyl	2	20	18.7	94		43	140
		Tetrachloro-m-xylene	2	20	18.3	92		77	126
I.BLK-PL092220.D	PIBLK-PL092220.D	Decachlorobiphenyl	1	20	20.1	100		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	18.8	94		43	140
		Tetrachloro-m-xylene	2	20	20.0	100		77	126
PB163891BL	PB163891BL	Decachlorobiphenyl	1	20	19.0	95		43	140
		Tetrachloro-m-xylene	1	20	17.9	90		77	126
		Decachlorobiphenyl	2	20	18.0	90		43	140
		Tetrachloro-m-xylene	2	20	17.1	86		77	126
PB163891BS	PB163891BS	Decachlorobiphenyl	1	20	19.3	96		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	18.5	93		43	140
		Tetrachloro-m-xylene	2	20	17.9	90		77	126
PB163851TB	PB163851TB	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	19.5	97		77	126
		Decachlorobiphenyl	2	20	19.7	99		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
P4258-04	Chamberlain Ave	Decachlorobiphenyl	1	20	9.58	48		43	140
		Tetrachloro-m-xylene	1	20	17.7	88		77	126
		Decachlorobiphenyl	2	20	9.39	47		43	140
		Tetrachloro-m-xylene	2	20	18.3	91		77	126
P4258-04MS	Chamberlain AveMS	Decachlorobiphenyl	1	20	13.9	69		43	140
		Tetrachloro-m-xylene	1	20	16.2	81		77	126
		Decachlorobiphenyl	2	20	13.4	67		43	140
		Tetrachloro-m-xylene	2	20	16.5	83		77	126
P4258-04MSD	Chamberlain AveMSD	Decachlorobiphenyl	1	20	13.9	70		43	140
		Tetrachloro-m-xylene	1	20	16.8	84		77	126
		Decachlorobiphenyl	2	20	13.4	67		43	140
		Tetrachloro-m-xylene	2	20	16.8	84		77	126
I.BLK-PL092228.D	PIBLK-PL092228.D	Decachlorobiphenyl	1	20	21.0	105		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	20.3	102		43	140
		Tetrachloro-m-xylene	2	20	19.9	100		77	126

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B

DataFile : PL092226.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4258-04MS	Chamberlain AveMS											
	gamma-BHC (Lindane)	5	0	6.30	ug/L	126				60	152	
	Heptachlor	5	0	4.80	ug/L	96				56	147	
	Heptachlor epoxide	5	0	4.90	ug/L	98				77	143	
	Endrin	5	0	4.70	ug/L	94				76	144	
	Methoxychlor	5	0	4.60	ug/L	92				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: 8081B

DataFile : PL092227.D

Lab Sample ID:	Parameter	Spike	Sample		Units	Rec	Rec		RPD		Limits	
			Result	Result			Qual	RPD	Qual	Low	High	RPD
Client Sample ID: P4258-04MSD	Chamberlain AveMSD											
	gamma-BHC (Lindane)	5	0	5.80	ug/L	116		8		60	152	20
	Heptachlor	5	0	4.80	ug/L	96		0		56	147	20
	Heptachlor epoxide	5	0	4.90	ug/L	98		0		77	143	20
	Endrin	5	0	4.80	ug/L	96		2		76	144	20
	Methoxychlor	5	0	4.60	ug/L	92		0		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: **8081B** Datafile : PL092223.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163891BS	gamma-BHC (Lindane)	0.5	0.53	ug/L	106				82	129		
	Heptachlor	0.5	0.53	ug/L	107				79	127		
	Heptachlor epoxide	0.5	0.55	ug/L	109				81	124		
	Endrin	0.5	0.53	ug/L	105				81	128		
	Methoxychlor	0.5	0.50	ug/L	100				78	108		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB163891BL

Lab Name: CHEMTECH

Contract: ROMA02

Lab Code: CHEM Case No.: P4258

SAS No.: P4258 SDG NO.: P4258

Lab Sample ID: PB163891BL

Lab File ID: PL092222.D

Matrix: (soil/water) water

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 10/03/2024

Date Analyzed (1): 10/03/2024

Date Analyzed (2): 10/03/2024

Time Analyzed (1): 17:09

Time Analyzed (2): 17:09

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

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

GC Column (2): ZB-MR1 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
PB163891BS	PB163891BS	PL092223.D	10/03/2024	10/03/2024
PB163851TB	PB163851TB	PL092224.D	10/03/2024	10/03/2024
Chamberlain Ave	P4258-04	PL092225.D	10/03/2024	10/03/2024
Chamberlain AveMS	P4258-04MS	PL092226.D	10/03/2024	10/03/2024
Chamberlain AveMSD	P4258-04MSD	PL092227.D	10/03/2024	10/03/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB163891BL		SDG No.:	P4258	
Lab Sample ID:	PB163891BL		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092222.D	1	10/03/24 11:50	10/03/24 17:09	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.0		43 - 140	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.9		77 - 126	90%	SPK: 20

Comments:

U = Not Detected
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 LOD = Limit of Detection
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J = Estimated Value
 B = Analyte Found in Associated Method Blank
 N = Presumptive Evidence of a Compound
 * = Values outside of QC limits
 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:	Roman E&G Corp	Date Collected:	09/23/24
Project:	Perth Amboy	Date Received:	09/23/24
Client Sample ID:	PIBLK-PL091953.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL091953.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL091953.D	1		09/23/24	PL092324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.6		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	95%	SPK: 20

Comments:

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/03/24
Project:	Perth Amboy	Date Received:	10/03/24
Client Sample ID:	PIBLK-PL092220.D	SDG No.:	P4258
Lab Sample ID:	I.BLK-PL092220.D	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092220.D	1		10/03/24	PL100524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		77 - 126	100%	SPK: 20

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Report of Analysis

Client:	Roman E&G Corp		Date Collected:	10/03/24	
Project:	Perth Amboy		Date Received:	10/03/24	
Client Sample ID:	PIBLK-PL092228.D		SDG No.:	P4258	
Lab Sample ID:	I.BLK-PL092228.D		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092228.D	1		10/03/24	PL100524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	101%	SPK: 20

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Roman E&G Corp		Date Collected:		
Project:	Perth Amboy		Date Received:		
Client Sample ID:	PB163891BS		SDG No.:	P4258	
Lab Sample ID:	PB163891BS		Matrix:	TCLP	
Analytical Method:	SW8081		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	TCLP Pesticide	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092223.D	1	10/03/24 11:50	10/03/24 17:22	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.53		0.0049	0.050	ug/L
76-44-8	Heptachlor	0.53		0.0054	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0090	0.050	ug/L
72-20-8	Endrin	0.53		0.0043	0.050	ug/L
72-43-5	Methoxychlor	0.50		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
57-74-9	Chlordane	0.082	U	0.082	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		77 - 126	92%	SPK: 20

Comments:

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMS	SDG No.:	P4258
Lab Sample ID:	P4258-04MS	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	100 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	TCLP Pesticide
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092226.D	1	10/03/24 11:50	10/03/24 18:02	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	6.30	P	0.049	0.50	ug/L
76-44-8	Heptachlor	4.80		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.90		0.090	0.50	ug/L
72-20-8	Endrin	4.70		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		43 - 140	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.5		77 - 126	83%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveMSD	SDG No.:	P4258
Lab Sample ID:	P4258-04MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Decanted:	
GPC Factor :	1.0	Final Vol:	10000
PH :		Test:	TCLP Pesticide
Prep Method :	3510C	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL092227.D	1	10/03/24 11:50	10/03/24 18:16	PB163891

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.80		0.049	0.50	ug/L
76-44-8	Heptachlor	4.80		0.054	0.50	ug/L
1024-57-3	Heptachlor epoxide	4.90		0.090	0.50	ug/L
72-20-8	Endrin	4.80		0.043	0.50	ug/L
72-43-5	Methoxychlor	4.60		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.50	U	1.50	10.0	ug/L
57-74-9	Chlordane	0.82	U	0.82	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		43 - 140	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		77 - 126	84%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



CALIBRATION SUMMARY

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

Calibration Times: 11:32 12:26

LAB FILE ID:	RT 100 =	<u>PL091956.D</u>	RT 075 =	<u>PL091957.D</u>
	RT 050 =	PL091958.D	RT 025 =	PL091959.D
			RT 005 =	PL091960.D

[illegible]

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

Calibration Times: 11:32 12:26

LAB FILE ID:	RT 100 =	<u>PL091956.D</u>	RT 075 =	<u>PL091957.D</u>
	RT 050 =	PL091958.D	RT 025 =	PL091959.D
			RT 005 =	PL091960.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26

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

LAB FILE ID:		CF 100 = <u>PL091956.D</u>		CF 075 = <u>PL091957.D</u>			
CF 050 = <u>PL091958.D</u>		CF 025 = <u>PL091959.D</u>		CF 005 = <u>PL091960.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	1514180000	1546290000	1590790000	1642930000	1896960000	1638230000	9
Endrin	1940880000	1934170000	1971650000	2016300000	2440480000	2060700000	10
gamma-BHC (Lindane)	2990410000	2948600000	2949110000	2954630000	3651280000	3098800000	10
Heptachlor	2590450000	2581810000	2624270000	2731930000	3298830000	2765460000	11
Heptachlor epoxide	2355250000	2419410000	2410600000	2493740000	3045980000	2544990000	11
Methoxychlor	913738000	926950000	954169000	973623000	1140080000	981712000	9
Tetrachloro-m-xylene	2128490000	2125270000	2145440000	2197480000	2526630000	2224660000	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ROMA02

Lab Code: CHEM **Case No.:** P4258 **SAS No.:** P4258 **SDG NO.:** P4258

Instrument ID: ECD_L **Calibration Date(s):** 09/23/2024 09/23/2024
Calibration Times: 11:32 12:26

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

LAB FILE ID:		CF 100 = <u>PL091956.D</u>		CF 075 = <u>PL091957.D</u>			
CF 050 = <u>PL091958.D</u>		CF 025 = <u>PL091959.D</u>		CF 005 = <u>PL091960.D</u>			
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	2374340000	2399600000	2428470000	2478660000	2828640000	2501940000	7
Endrin	2724440000	2642180000	2624570000	2477520000	2642190000	2622180000	3
gamma-BHC (Lindane)	3775710000	3629090000	3577820000	3312530000	3359720000	3530980000	5
Heptachlor	3553790000	3434350000	3431490000	3238430000	3595010000	3450610000	4
Heptachlor epoxide	3090900000	2996730000	3012410000	2873000000	3141390000	3022890000	3
Methoxychlor	1228030000	1222750000	1234080000	1223180000	1343690000	1250350000	4
Tetrachloro-m-xylene	2544530000	2497760000	2476670000	2384990000	2636430000	2508080000	4

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Instrument ID: ECD_L Date(s) Analyzed: 09/23/2024 09/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.71	4.61	4.81	98915300
		2	5.24	5.14	5.34	102853000
		3	5.95	5.85	6.05	355337000
		4	6.03	5.93	6.13	432063000
		5	6.88	6.78	6.98	84140800
Toxaphene	500	1	6.24	6.14	6.34	22665300
		2	6.45	6.35	6.55	13922000
		3	7.06	6.96	7.16	70960500
		4	7.15	7.05	7.25	53851200
		5	7.94	7.84	8.04	39727000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Instrument ID: ECD_L Date(s) Analyzed: 09/23/2024 09/23/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.78	3.68	3.88	98097600
		2	4.36	4.26	4.46	109311000
		3	4.99	4.89	5.09	329535000
		4	5.05	4.95	5.15	315560000
		5	5.95	5.85	6.05	108292000
Toxaphene	500	1	5.01	4.91	5.11	18093600
		2	5.34	5.24	5.44	17271700
		3	6.61	6.51	6.71	63995900
		4	6.74	6.64	6.84	88666300
		5	7.05	6.95	7.15	60349700

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Continuing Calib Date: 10/03/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 15:02 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Continuing Calib Date: 10/03/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 15:02 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL01 Date Analyzed: 10/03/2024

Lab Sample No.: PSTDCCC050 Data File : PL092221.D Time Analyzed: 15:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.059	8.960	9.160	49.630	50.000	-0.7
Endrin	6.578	6.479	6.679	43.850	50.000	-12.3
gamma-BHC (Lindane)	4.331	4.232	4.432	49.210	50.000	-1.6
Heptachlor	4.919	4.820	5.020	48.340	50.000	-3.3
Heptachlor epoxide	5.688	5.589	5.789	48.700	50.000	-2.6
Methoxychlor	7.502	7.404	7.604	46.560	50.000	-6.9
Tetrachloro-m-xylene	3.542	3.444	3.644	51.160	50.000	2.3

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL01 Date Analyzed: 10/03/2024

Lab Sample No.: PSTDCCC050 Data File : PL092221.D Time Analyzed: 15:02

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.921	7.823	8.023	47.460	50.000	-5.1
Endrin	5.646	5.548	5.748	47.570	50.000	-4.9
gamma-BHC (Lindane)	3.614	3.516	3.716	53.910	50.000	7.8
Heptachlor	3.953	3.855	4.055	51.650	50.000	3.3
Heptachlor epoxide	4.736	4.638	4.838	52.500	50.000	5.0
Methoxychlor	6.619	6.521	6.721	46.900	50.000	-6.2
Tetrachloro-m-xylene	2.781	2.682	2.882	53.960	50.000	7.9

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Continuing Calib Date: 10/03/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 18:43 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.06	9.06	8.96	9.16	0.00
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Continuing Calib Date: 10/03/2024 Initial Calibration Date(s): 09/23/2024 09/23/2024

Continuing Calib Time: 18:43 Initial Calibration Time(s): 11:32 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
gamma-BHC (Lindane)	3.61	3.62	3.52	3.72	0.01
Heptachlor	3.95	3.96	3.86	4.06	0.01
Heptachlor epoxide	4.74	4.74	4.64	4.84	0.00
Endrin	5.65	5.65	5.55	5.75	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL02 Date Analyzed: 10/03/2024

Lab Sample No.: PSTDCCC050 Data File : PL092229.D Time Analyzed: 18:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.058	8.960	9.160	50.740	50.000	1.5
Endrin	6.577	6.479	6.679	44.550	50.000	-10.9
gamma-BHC (Lindane)	4.331	4.232	4.432	49.990	50.000	0.0
Heptachlor	4.920	4.820	5.020	48.750	50.000	-2.5
Heptachlor epoxide	5.688	5.589	5.789	51.430	50.000	2.9
Methoxychlor	7.502	7.404	7.604	46.940	50.000	-6.1
Tetrachloro-m-xylene	3.542	3.444	3.644	51.560	50.000	3.1

CALIBRATION VERIFICATION SUMMARY

Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 09/23/2024 09/23/2024

Client Sample No.: CCAL02 Date Analyzed: 10/03/2024

Lab Sample No.: PSTDCCC050 Data File : PL092229.D Time Analyzed: 18:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.920	7.823	8.023	50.700	50.000	1.4
Endrin	5.646	5.548	5.748	48.820	50.000	-2.4
gamma-BHC (Lindane)	3.614	3.516	3.716	54.820	50.000	9.6
Heptachlor	3.953	3.855	4.055	51.780	50.000	3.6
Heptachlor epoxide	4.736	4.638	4.838	53.650	50.000	7.3
Methoxychlor	6.618	6.521	6.721	48.280	50.000	-3.4
Tetrachloro-m-xylene	2.781	2.682	2.882	53.800	50.000	7.6

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **ROMA02**

Lab Code: **CHEM** Case No.: **P4258** SAS No.: **P4258** SDG NO.: **P4258**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL091954.D** Date Analyzed: **09/23/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.061	8.960	9.160	19.830	20.000	-0.9
Tetrachloro-m-xylene	3.544	3.490	3.590	20.070	20.000	0.4
alpha-BHC	3.999	3.950	4.050	10.180	10.000	1.8
beta-BHC	4.529	4.480	4.580	10.750	10.000	7.5
gamma-BHC (Lindane)	4.332	4.280	4.380	10.100	10.000	1.0
Endrin	6.579	6.510	6.650	43.290	50.000	-13.4
4,4'-DDT	7.028	6.960	7.100	90.240	100.000	-9.8
Methoxychlor	7.504	7.430	7.570	212.390	250.000	-15.0

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL091954.D** Date Analyzed: **09/23/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **11:05**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.923	7.820	8.020	19.350	20.000	-3.3
Tetrachloro-m-xylene	2.782	2.730	2.830	19.290	20.000	-3.6
alpha-BHC	3.285	3.230	3.340	9.220	10.000	-7.8
beta-BHC	3.915	3.860	3.970	10.540	10.000	5.4
gamma-BHC (Lindane)	3.616	3.570	3.670	8.880	10.000	-11.2
Endrin	5.648	5.580	5.720	46.450	50.000	-7.1
4,4'-DDT	6.047	5.980	6.120	104.950	100.000	5.0
Methoxychlor	6.621	6.550	6.690	232.550	250.000	-7.0

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: **ROMA02**

Lab Code: **CHEM** Case No.: **P4258** SAS No.: **P4258** SDG NO.: **P4258**

GC Column: **ZB-MR2** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL092208.D** Date Analyzed: **10/03/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:37**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.060	8.960	9.160	25.850	20.000	29.3
Tetrachloro-m-xylene	3.543	3.490	3.590	26.580	20.000	32.9
alpha-BHC	3.998	3.950	4.050	13.590	10.000	35.9
beta-BHC	4.528	4.480	4.580	13.970	10.000	39.7
gamma-BHC (Lindane)	4.331	4.280	4.380	12.920	10.000	29.2
Endrin	6.578	6.510	6.650	51.850	50.000	3.7
4,4'-DDT	7.028	6.960	7.100	113.150	100.000	13.2
Methoxychlor	7.504	7.430	7.570	272.260	250.000	8.9

GC Column: **ZB-MR1** ID: **0.32** (mm) Initi. Calib. Date(s): **09/23/2024** **09/23/2024**

Client Sample No. (PEM): **PEM - PL092208.D** Date Analyzed: **10/03/2024**

Lab Sample No.(PEM): **PEM** Time Analyzed: **10:37**

PEM COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	7.921	7.820	8.020	24.580	20.000	22.9
Tetrachloro-m-xylene	2.781	2.730	2.830	26.260	20.000	31.3
alpha-BHC	3.284	3.230	3.330	12.610	10.000	26.1
beta-BHC	3.913	3.860	3.960	14.020	10.000	40.2
gamma-BHC (Lindane)	3.614	3.560	3.660	12.210	10.000	22.1
Endrin	5.646	5.580	5.720	59.890	50.000	19.8
4,4'-DDT	6.044	5.970	6.110	135.410	100.000	35.4
Methoxychlor	6.619	6.550	6.690	292.740	250.000	17.1

Analytical Sequence

Client: Roman E&G Corp

SDG No.: P4258

Project: Perth Amboy

Instrument ID: ECD_L

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 09/23/2024

09/23/2024

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	09/23/2024	10:52	PL091953.D	9.06	3.54
PEM	PEM	09/23/2024	11:05	PL091954.D	9.06	3.54
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	9.06	3.54
PSTDICCC100	PSTDICCC100	09/23/2024	11:32	PL091956.D	9.06	3.54
PSTDICCC075	PSTDICCC075	09/23/2024	11:45	PL091957.D	9.06	3.54
PSTDICCC050	PSTDICCC050	09/23/2024	11:59	PL091958.D	9.06	3.54
PSTDICCC025	PSTDICCC025	09/23/2024	12:12	PL091959.D	9.06	3.54
PSTDICCC005	PSTDICCC005	09/23/2024	12:26	PL091960.D	9.06	3.54
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	9.06	3.54
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	9.06	3.54
PEM	PEM	10/03/2024	10:37	PL092208.D	9.06	3.54
IBLK	IBLK	10/03/2024	14:49	PL092220.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/03/2024	15:02	PL092221.D	9.06	3.54
PB163891BL	PB163891BL	10/03/2024	17:09	PL092222.D	9.07	3.55
PB163891BS	PB163891BS	10/03/2024	17:22	PL092223.D	9.06	3.54
PB163851TB	PB163851TB	10/03/2024	17:36	PL092224.D	9.06	3.54
Chamberlain Ave	P4258-04	10/03/2024	17:49	PL092225.D	9.06	3.54
Chamberlain AveMS	P4258-04MS	10/03/2024	18:02	PL092226.D	9.06	3.54
Chamberlain AveMSD	P4258-04MSD	10/03/2024	18:16	PL092227.D	9.06	3.54
IBLK	IBLK	10/03/2024	18:29	PL092228.D	9.06	3.54
PSTDCCC050	PSTDCCC050	10/03/2024	18:43	PL092229.D	9.06	3.54

Analytical Sequence

Client: Roman E&G Corp	SDG No.: P4258
Project: Perth Amboy	Instrument ID: ECD_L
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 09/23/2024 09/23/2024

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	09/23/2024	10:52	PL091953.D	7.92	2.78
PEM	PEM	09/23/2024	11:05	PL091954.D	7.92	2.78
RESCHK	RESCHK	09/23/2024	11:19	PL091955.D	7.92	2.78
PSTDICC100	PSTDICC100	09/23/2024	11:32	PL091956.D	7.92	2.78
PSTDICC075	PSTDICC075	09/23/2024	11:45	PL091957.D	7.92	2.78
PSTDICC050	PSTDICC050	09/23/2024	11:59	PL091958.D	7.92	2.78
PSTDICC025	PSTDICC025	09/23/2024	12:12	PL091959.D	7.92	2.78
PSTDICC005	PSTDICC005	09/23/2024	12:26	PL091960.D	7.92	2.78
PCHLORICC500	PCHLORICC500	09/23/2024	13:06	PL091963.D	7.92	2.78
PTOXICC500	PTOXICC500	09/23/2024	14:13	PL091968.D	7.92	2.78
PEM	PEM	10/03/2024	10:37	PL092208.D	7.92	2.78
IBLK	IBLK	10/03/2024	14:49	PL092220.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/03/2024	15:02	PL092221.D	7.92	2.78
PB163891BL	PB163891BL	10/03/2024	17:09	PL092222.D	7.92	2.78
PB163891BS	PB163891BS	10/03/2024	17:22	PL092223.D	7.92	2.78
PB163851TB	PB163851TB	10/03/2024	17:36	PL092224.D	7.92	2.78
Chamberlain Ave	P4258-04	10/03/2024	17:49	PL092225.D	7.92	2.78
Chamberlain AveMS	P4258-04MS	10/03/2024	18:02	PL092226.D	7.92	2.78
Chamberlain AveMSD	P4258-04MSD	10/03/2024	18:16	PL092227.D	7.92	2.78
IBLK	IBLK	10/03/2024	18:29	PL092228.D	7.92	2.78
PSTDCCC050	PSTDCCC050	10/03/2024	18:43	PL092229.D	7.92	2.78

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMS

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

SDG NO.: P4258

Lab Sample ID: P4258-04MS

Date(s) Analyzed: 10/03/2024

10/03/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.50	2.2
	2	6.62	6.57	6.67	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	6.30	31.2
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.50	6.5
	2	3.95	3.90	4.00	4.80	
Heptachlor epoxide	1	5.69	5.64	5.74	4.40	10.8
	2	4.74	4.69	4.79	4.90	
Endrin	1	6.58	6.53	6.63	4.30	8.9
	2	5.65	5.60	5.70	4.70	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

Chamberlain AveMSD

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

SDG NO.: P4258

Lab Sample ID: P4258-04MSD

Date(s) Analyzed: 10/03/2024

10/03/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	4.50	2.2
	2	6.62	6.57	6.67	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.80	23.1
	2	3.61	3.56	3.66	4.60	
Heptachlor	1	4.92	4.87	4.97	4.50	6.5
	2	3.95	3.90	4.00	4.80	
Heptachlor epoxide	1	5.69	5.64	5.74	4.40	10.8
	2	4.74	4.69	4.79	4.90	
Endrin	1	6.58	6.53	6.63	4.30	11
	2	5.65	5.60	5.70	4.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB163891BS

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

SDG NO.: P4258

Lab Sample ID: PB163891BS

Date(s) Analyzed: 10/03/2024

10/03/2024

Instrument ID (1): ECD_L

Instrument ID (2): ECD_L

GC Column: (1): ZB-MR2

ID: 0.32 (mm)

GC Column: (2): ZB-MR1

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.50	7.45	7.55	0.50	0.7
	2	6.62	6.57	6.67	0.49	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.48	9
	2	3.62	3.57	3.67	0.53	
Heptachlor	1	4.92	4.87	4.97	0.50	6.8
	2	3.95	3.90	4.00	0.53	
Heptachlor epoxide	1	5.69	5.64	5.74	0.50	8.9
	2	4.74	4.69	4.79	0.55	
Endrin	1	6.58	6.53	6.63	0.47	12.1
	2	5.65	5.60	5.70	0.53	



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092225.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 17:49
 Operator : AR\AJ
 Sample : P4258-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 Chamberlain Ave

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
 Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:54:05 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.781	39305469	45781255	17.668	18.254
28) SA Decachlor...	9.057	7.921	15692554	23482824	9.579m	9.386

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092225.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:49
Operator : AR\AJ
Sample : P4258-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

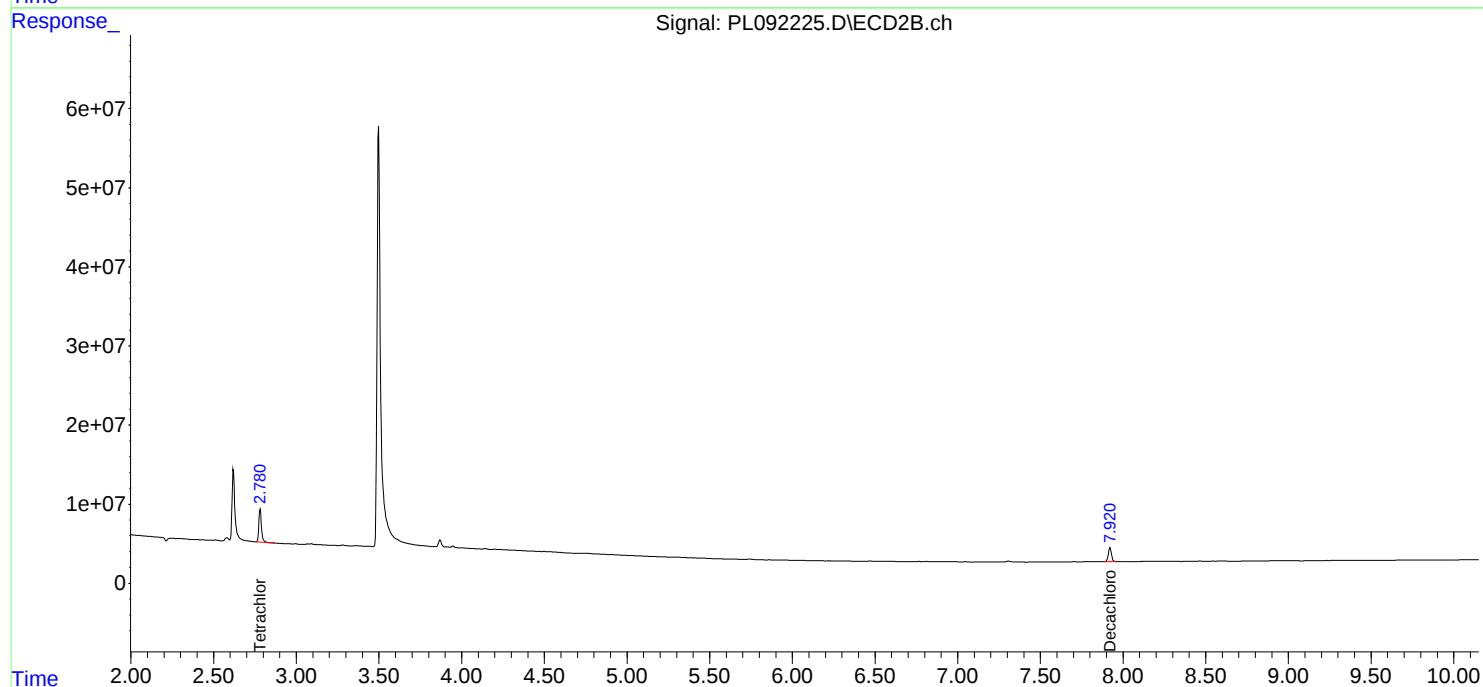
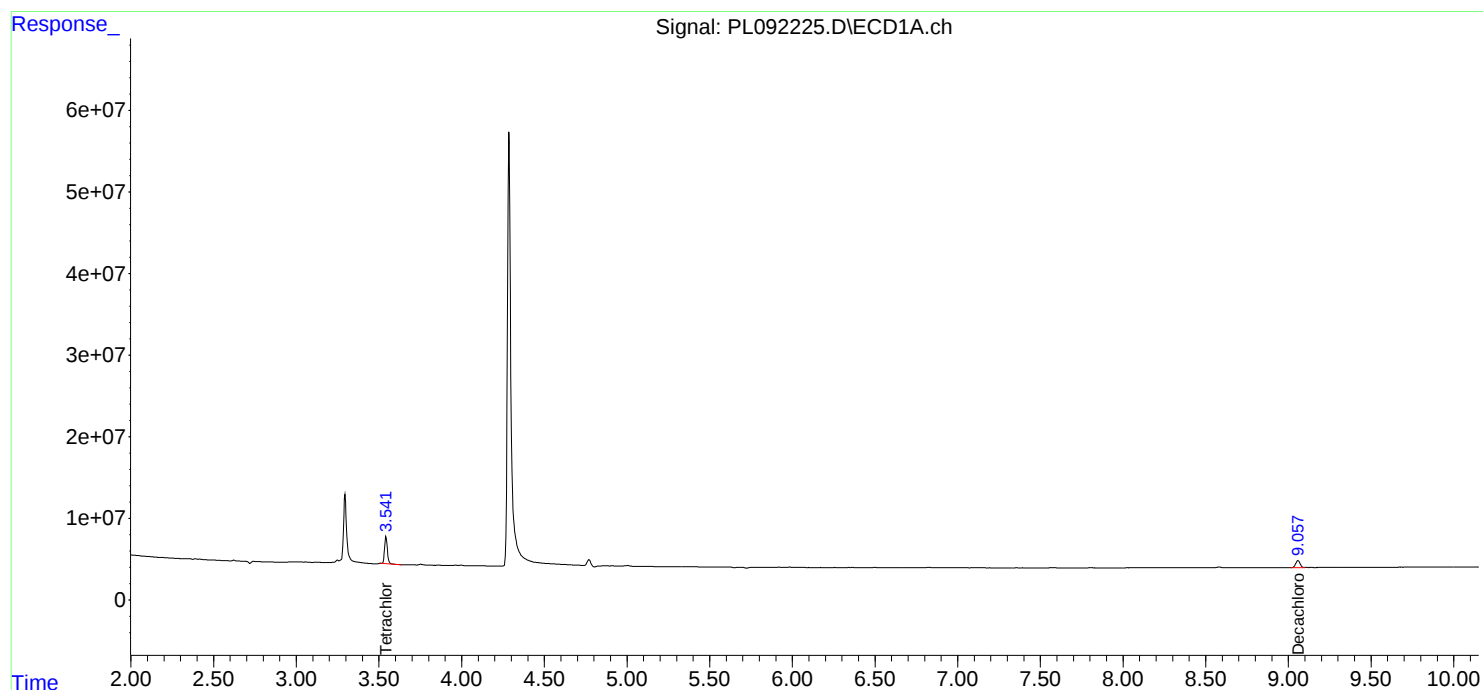
Instrument :
ECD_L
ClientSampleId :
Chamberlain Ave

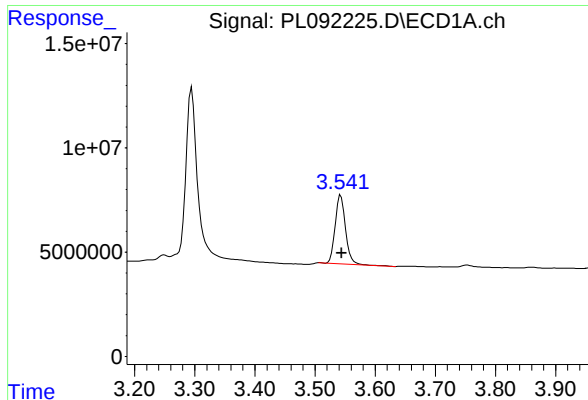
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 10/04/2024
Supervised By : Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.001 min
Response: 39305469
Conc: 17.67 ng/ml

Instrument :

ECD_L

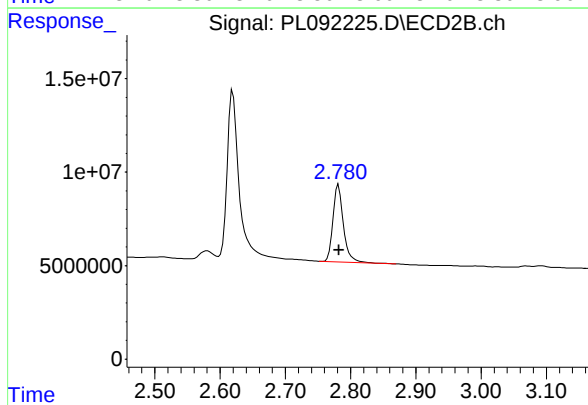
ClientSampleId :

Chamberlain Ave

Manual Integrations

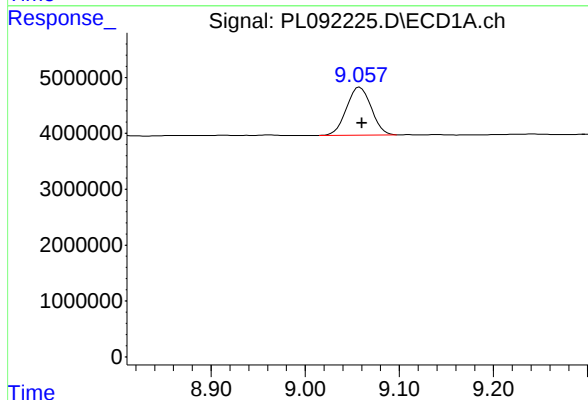
APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



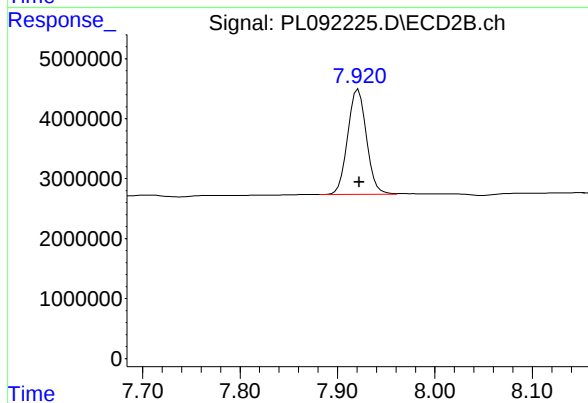
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 45781255
Conc: 18.25 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.004 min
Response: 15692554
Conc: 9.58 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.001 min
Response: 23482824
Conc: 9.39 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092224.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 17:36
 Operator : AR\AJ
 Sample : PB163851TB
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB163851TB

A

B

C

D

E

F

G

H

I

J

K

L

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:53:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.543	2.781	43337089	48072475	19.480	19.167
28) SA Decachlor...	9.058	7.921	33634589	49276748	20.531	19.695

Target Compounds

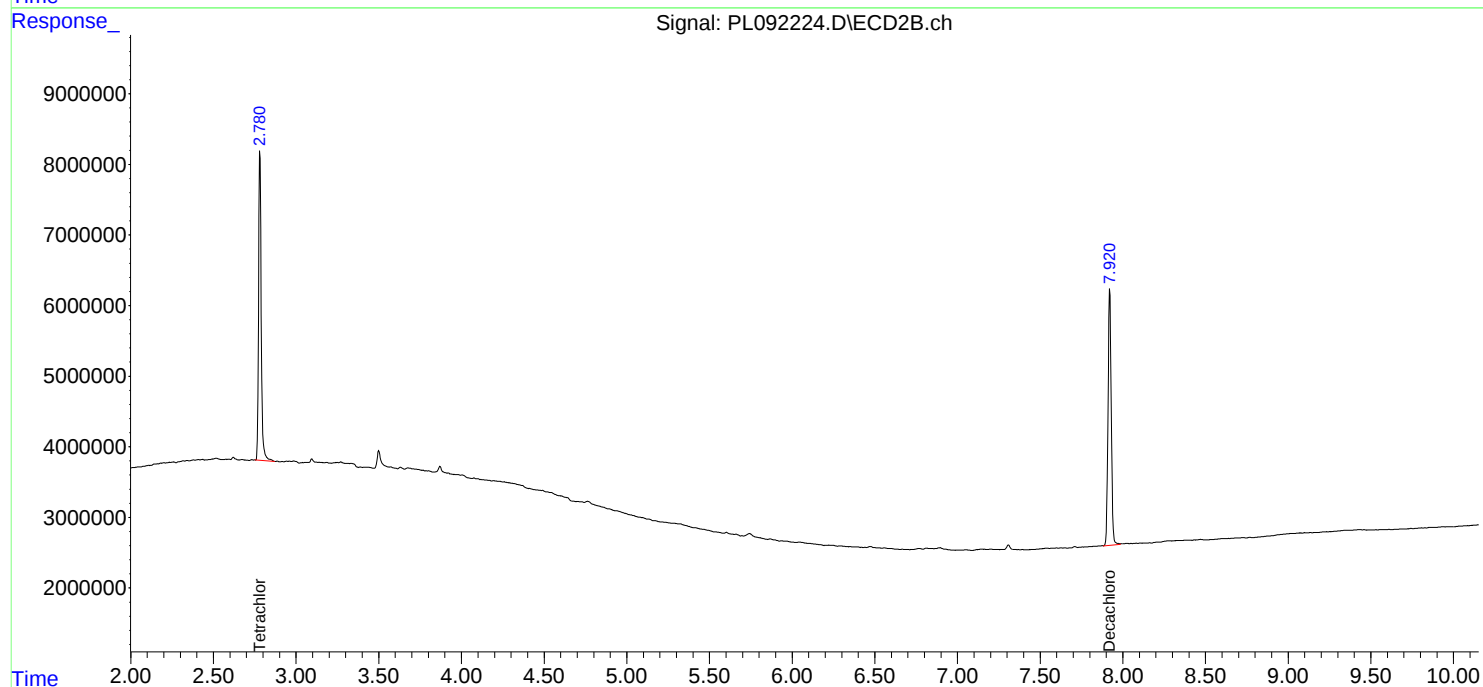
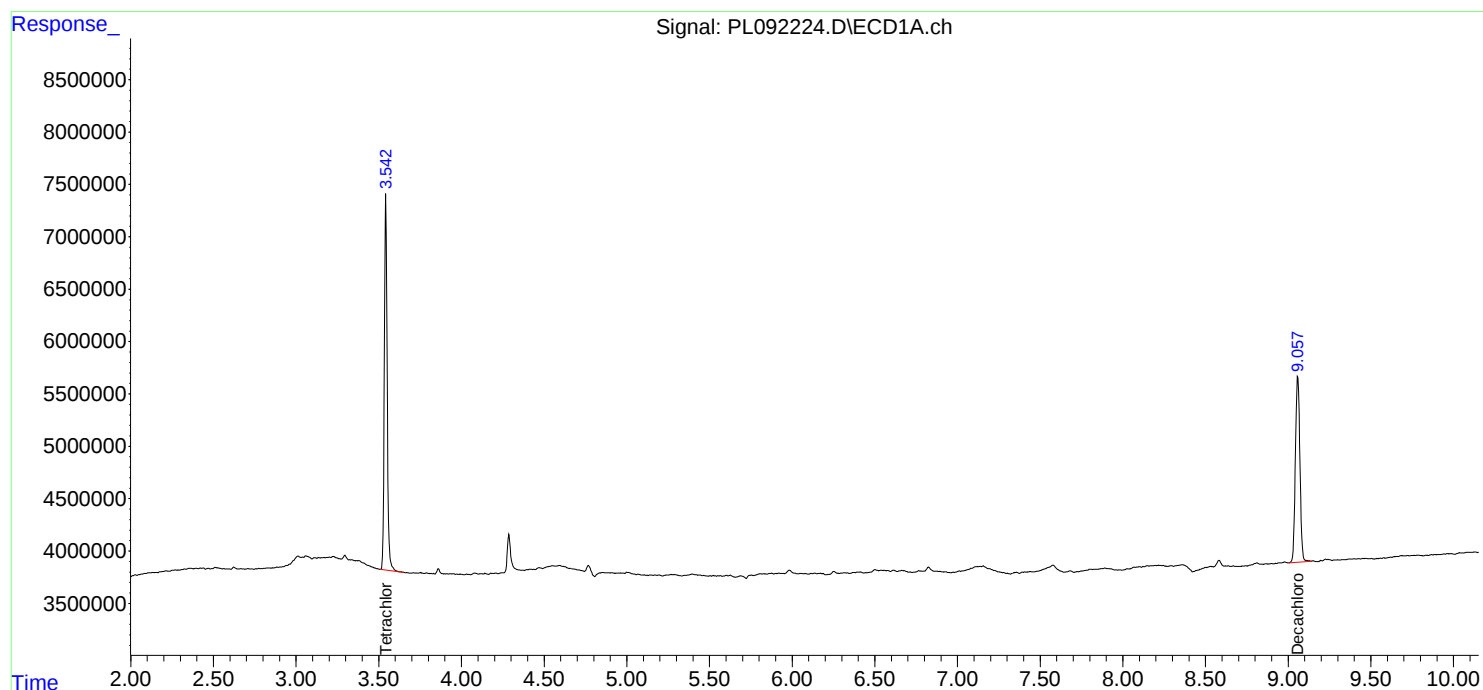
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

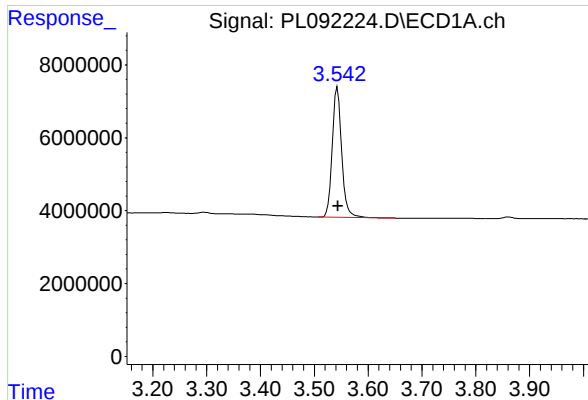
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092224.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:36
Operator : AR\AJ
Sample : PB163851TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB163851TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:53:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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

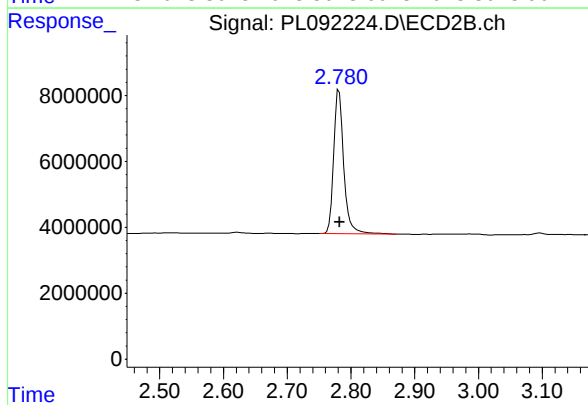




#1 Tetrachloro-m-xylene

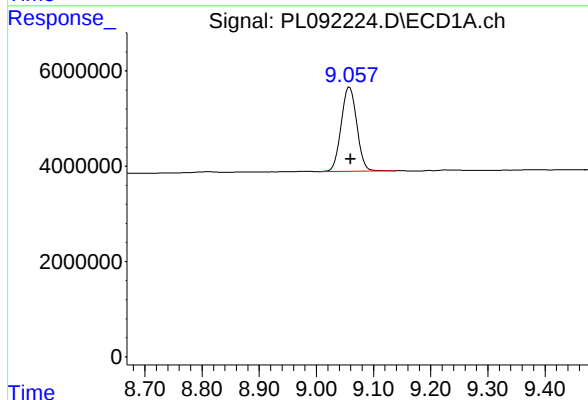
R.T.: 3.543 min
Delta R.T.: -0.001 min
Response: 43337089
Conc: 19.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163851TB



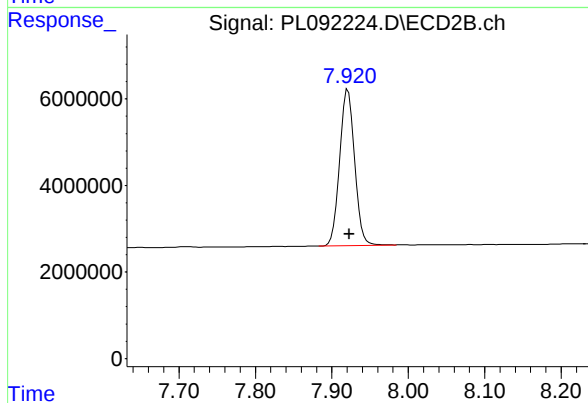
#1 Tetrachloro-m-xylene

R.T.: 2.781 min
Delta R.T.: 0.000 min
Response: 48072475
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.002 min
Response: 33634589
Conc: 20.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.921 min
Delta R.T.: -0.002 min
Response: 49276748
Conc: 19.70 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092222.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 17:09
 Operator : AR\AJ
 Sample : PB163891BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB163891BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/04/2024
 Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:51:17 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.782	39811259	42972537	17.895	17.134
28) SA Decachlor...	9.067	7.924	31190593	44979543	19.039m	17.978

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092222.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:09
Operator : AR\AJ
Sample : PB163891BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163891BL

Manual Integrations

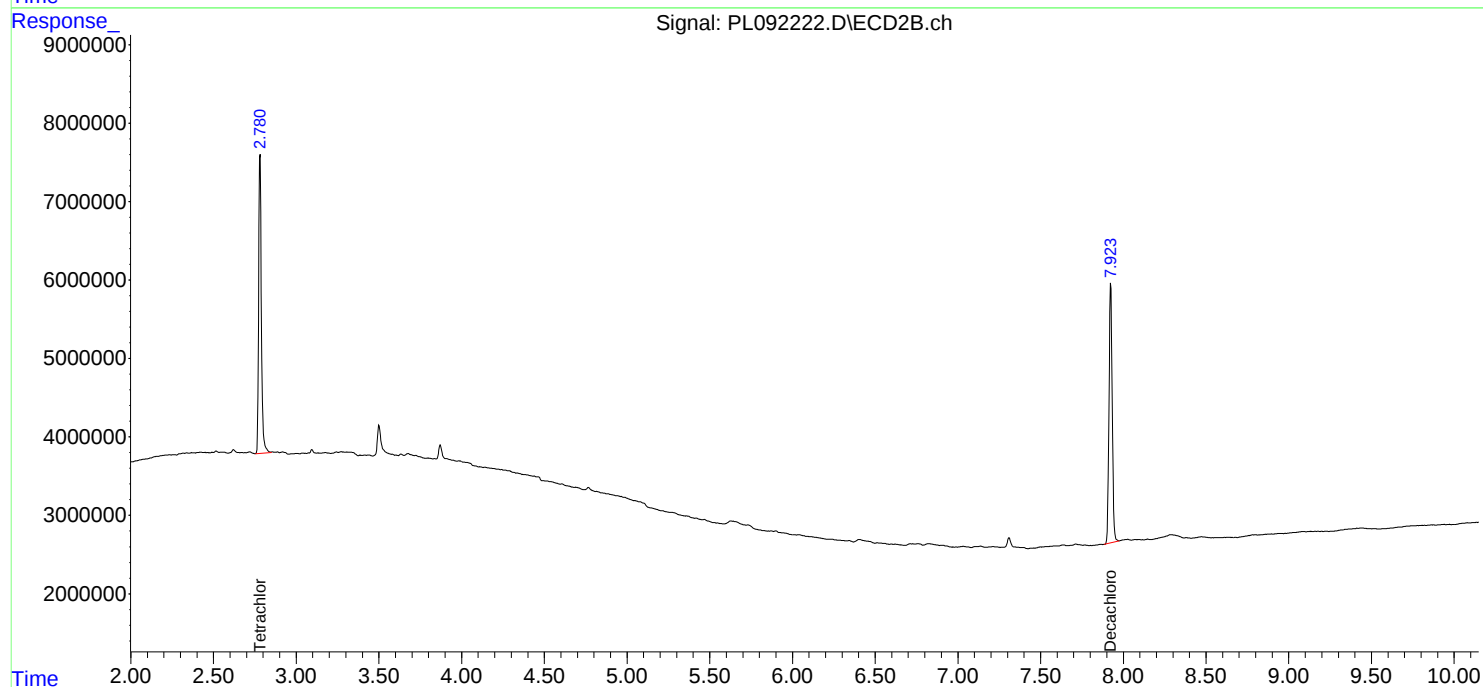
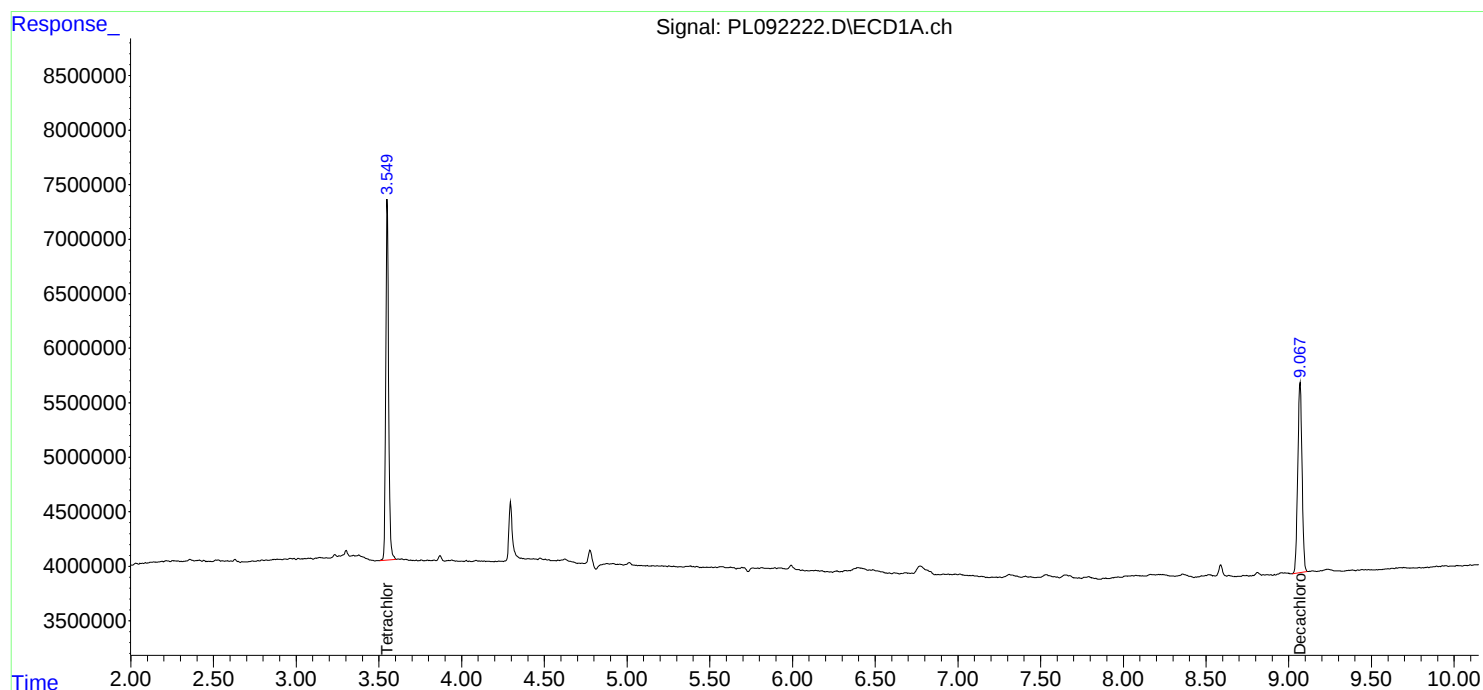
APPROVED

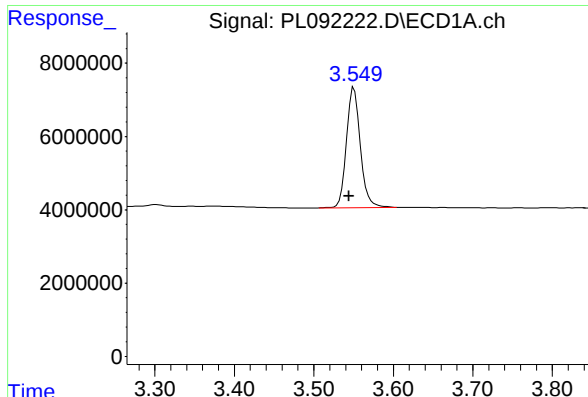
Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:51:17 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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





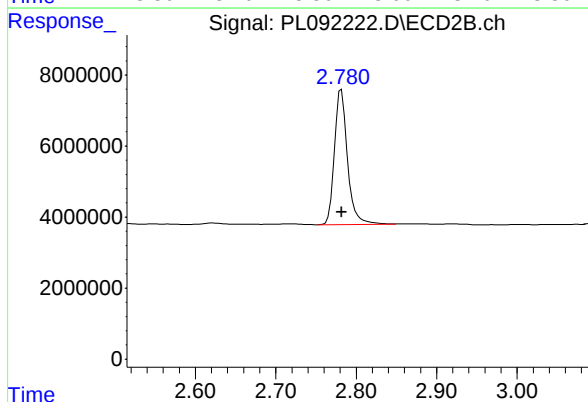
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.007 min
Response: 39811259
Conc: 17.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB163891BL

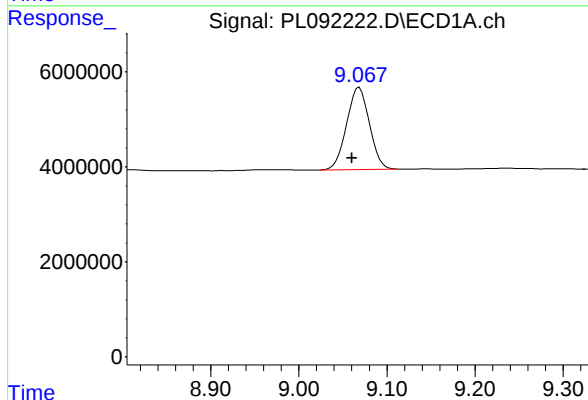
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/04/2024
Supervised By :Ankita Jodhani 10/04/2024



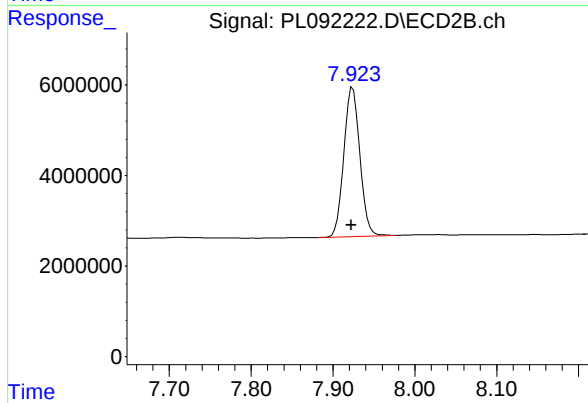
#1 Tetrachloro-m-xylene

R.T.: 2.782 min
Delta R.T.: 0.000 min
Response: 42972537
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.007 min
Response: 31190593
Conc: 19.04 ng/ml m



#28 Decachlorobiphenyl

R.T.: 7.924 min
Delta R.T.: 0.002 min
Response: 44979543
Conc: 17.98 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092223.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 17:22
 Operator : AR\AJ
 Sample : PB163891BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163891BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:52:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.544	2.782	40872556	44889540	18.372	17.898
28)	SA Decachlor...	9.060	7.921	31565412	46330137	19.268	18.518
Target Compounds							
2)	A alpha-BHC	4.000	3.285	156.3E6	198.2E6	50.467	54.413
3)	MA gamma-BHC...	4.333	3.615	149.9E6	186.9E6	48.363	52.927
4)	MA Heptachlor	4.922	3.954	137.8E6	184.1E6	49.843	53.344
5)	MB Aldrin	5.263	4.234	131.1E6	182.8E6	47.210	53.760
6)	B beta-BHC	4.530	3.914	67427479	80957359	50.836	53.860
7)	B delta-BHC	4.777	4.143	141.8E6	187.3E6	49.167	53.944
8)	B Heptachlo...	5.688	4.737	127.2E6	165.1E6	49.975m	54.609
9)	A Endosulfan I	6.074	5.106	117.3E6	144.4E6	50.702	52.598
10)	B gamma-Chl...	5.943	4.987	122.0E6	167.1E6	49.370m	55.531
11)	B alpha-Chl...	6.024	5.050	131.3E6	163.5E6	53.294	54.602
12)	B 4,4'-DDE	6.197	5.238	108.3E6	156.0E6	50.037	56.126m
13)	MA Dieldrin	6.349	5.371	120.0E6	160.2E6	49.207	54.658
14)	MA Endrin	6.578	5.646	95912037	137.8E6	46.543m	52.533
15)	B Endosulfa...	6.798	5.941	105.6E6	137.8E6	48.002	55.076
16)	A 4,4'-DDD	6.713	5.794	93891879	126.4E6	52.287m	59.166
17)	MA 4,4'-DDT	7.028	6.045	91029347	118.7E6	49.440	51.300
18)	B Endrin al...	6.928	6.120	85421009	107.5E6	49.015	52.677
19)	B Endosulfa...	7.163	6.343	97798954	130.9E6	49.337	54.256
20)	A Methoxychlor	7.503	6.620	48946596	61885358	49.858m	49.494
21)	B Endrin ke...	7.648	6.847	112.0E6	163.2E6	50.946	58.953m
22)	Mirex	8.122	7.029	85279363	120.0E6	47.351	49.317

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092223.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 17:22
Operator : AR\AJ
Sample : PB163891BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB163891BS

Manual Integrations

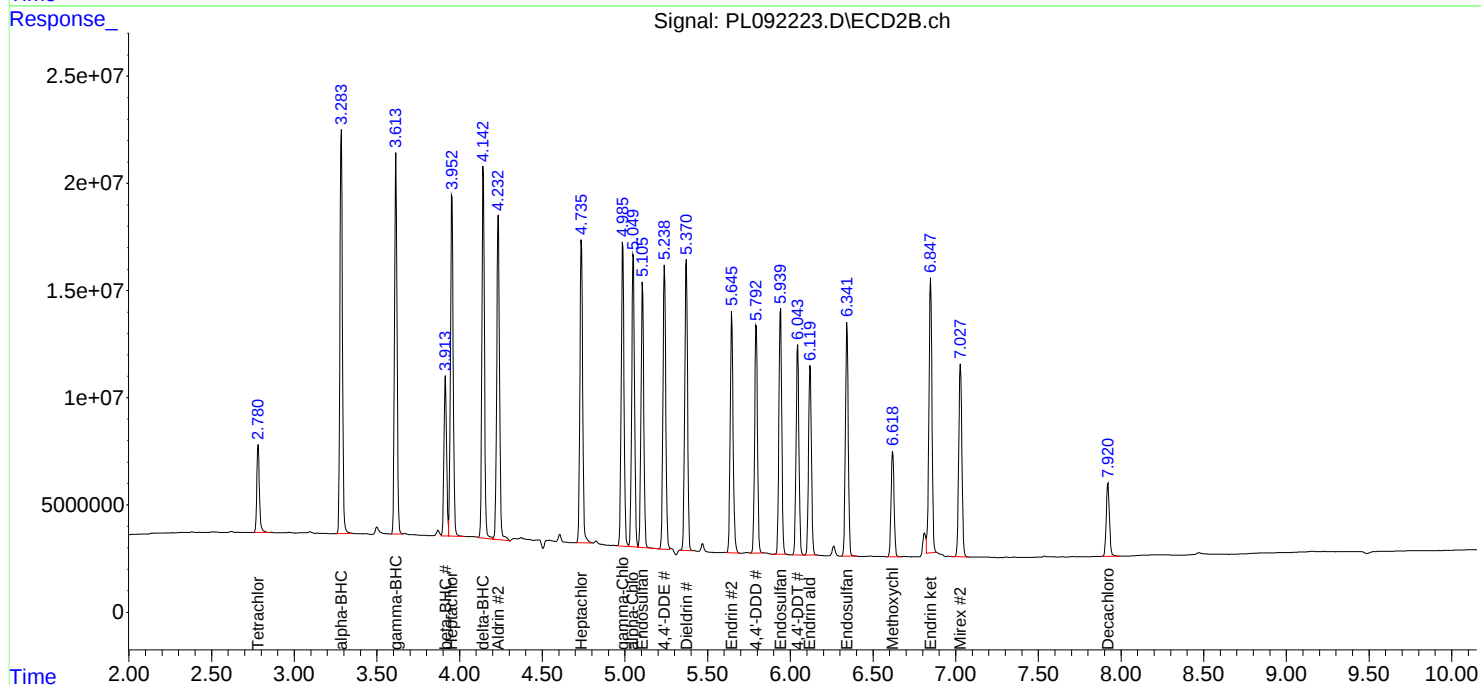
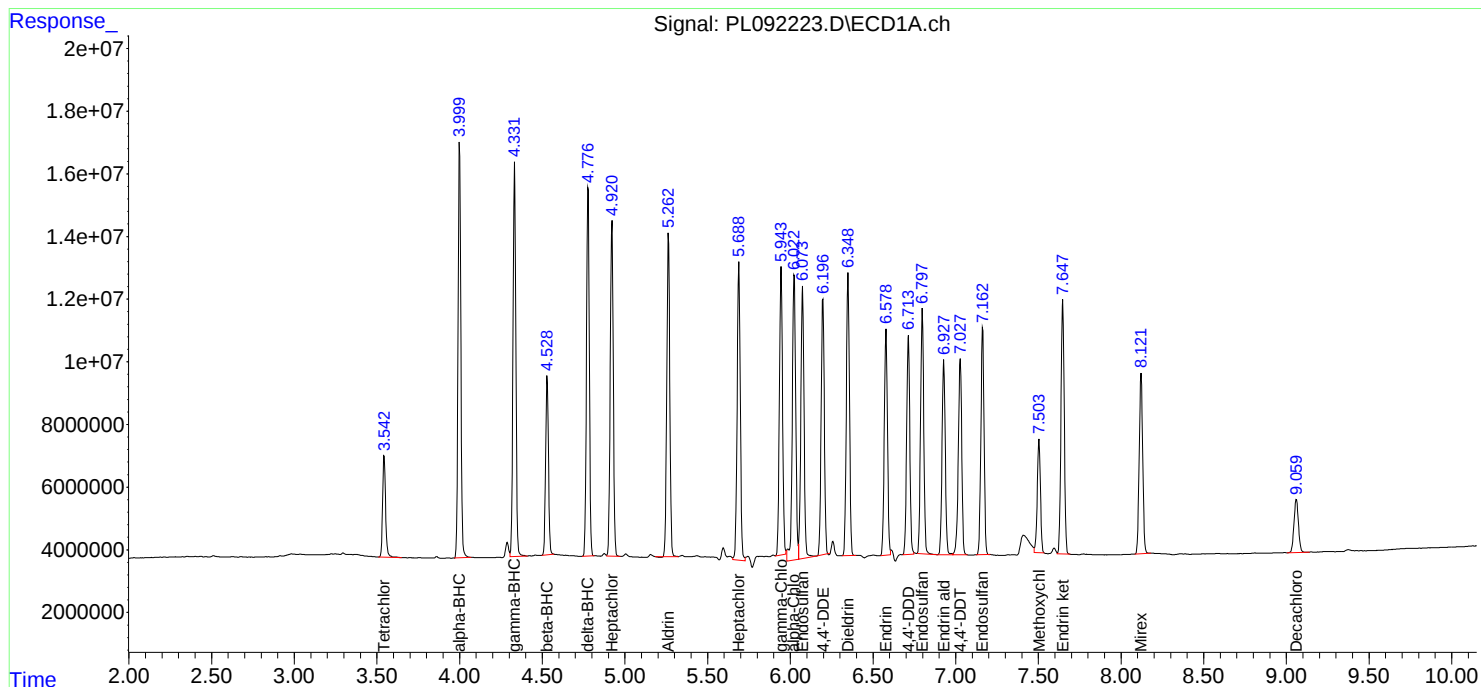
APPROVED

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:52:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092226.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 18:02
 Operator : AR\AJ
 Sample : P4258-04MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

Chamberlain AveMS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:54:45 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.542	2.781	36014733	41397872	16.189	16.506
28)	SA Decachlor...	9.059	7.920	22730590	33558685	13.875	13.413
Target Compounds							
2)	A alpha-BHC	3.999	3.284	138.9E6	176.6E6	44.856	48.474
3)	MA gamma-BHC...	4.329	3.614	194.0E6	162.1E6	62.600m	45.915 #
4)	MA Heptachlor	4.920	3.954	123.5E6	166.3E6	44.669	48.194
5)	MB Aldrin	5.261	4.234	115.1E6	155.1E6	41.431	45.599
6)	B beta-BHC	4.528	3.914	61305357	74769552	46.220	49.744
7)	B delta-BHC	4.775	4.143	103.2E6	123.5E6	35.791	35.573
8)	B Heptachlo...	5.688	4.736	112.3E6	148.4E6	44.134	49.097
9)	A Endosulfan I	6.073	5.106	103.2E6	136.0E6	44.617	49.545
10)	B gamma-Chl...	5.943	4.986	112.8E6	149.5E6	45.656	49.691
11)	B alpha-Chl...	6.022	5.050	110.4E6	147.2E6	44.797	49.181
12)	B 4,4'-DDE	6.195	5.239	97192881	137.7E6	44.905	49.545
13)	MA Dieldrin	6.348	5.371	109.1E6	145.3E6	44.719	49.562
14)	MA Endrin	6.577	5.646	88318277	124.5E6	42.858m	47.466
15)	B Endosulfa...	6.797	5.941	96456788	124.9E6	43.849	49.904
16)	A 4,4'-DDD	6.712	5.793	83194540	111.9E6	46.329m	52.389
17)	MA 4,4'-DDT	7.027	6.044	82307199	106.8E6	44.703	46.167
18)	B Endrin al...	6.927	6.120	76165836	96362317	43.704	47.220
19)	B Endosulfa...	7.162	6.342	85710093	113.4E6	43.238	46.988
20)	A Methoxychlor	7.502	6.619	43817751	56908126	44.634	45.514
21)	B Endrin ke...	7.646	6.848	102.9E6	138.5E6	46.817	50.024
22)	Mirex	8.120	7.029	74142221	104.0E6	41.167	42.771

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092226.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:02
Operator : AR\AJ
Sample : P4258-04MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

Chamberlain AveMS

Manual Integrations

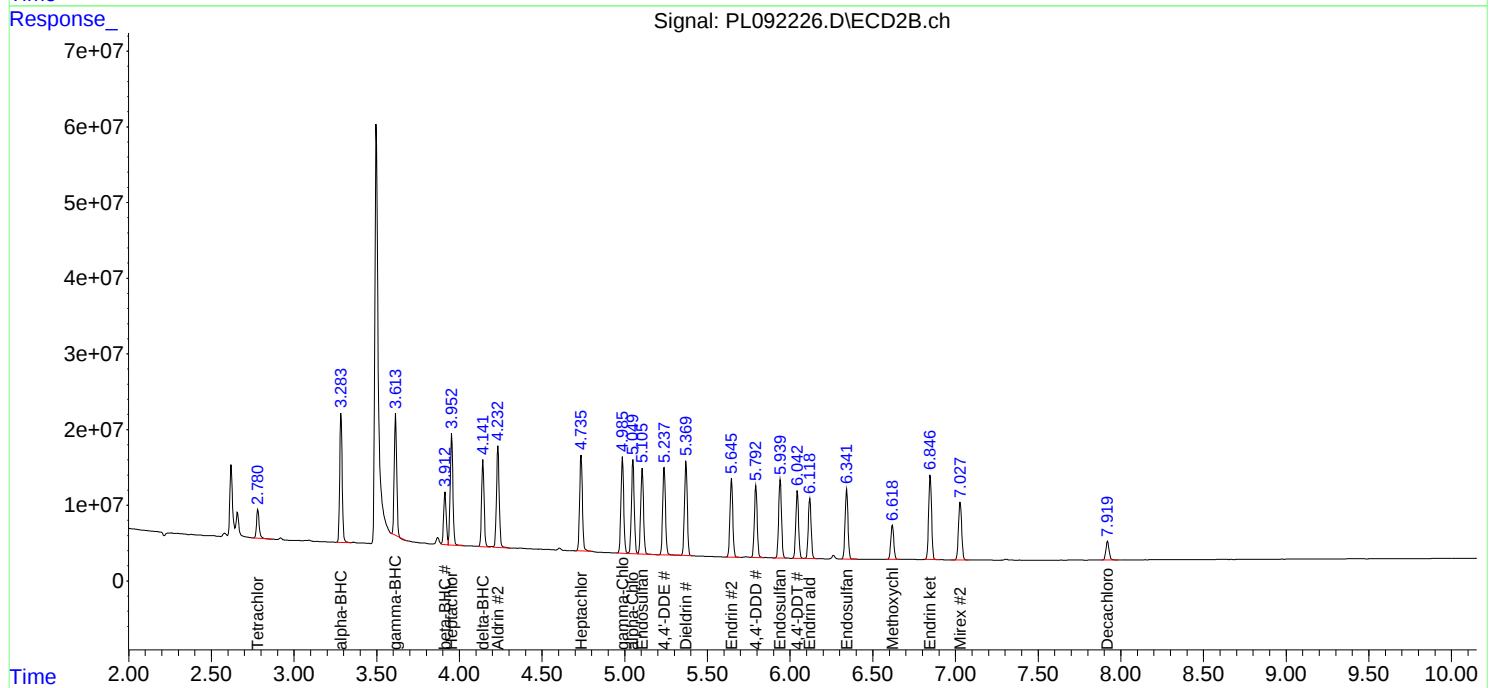
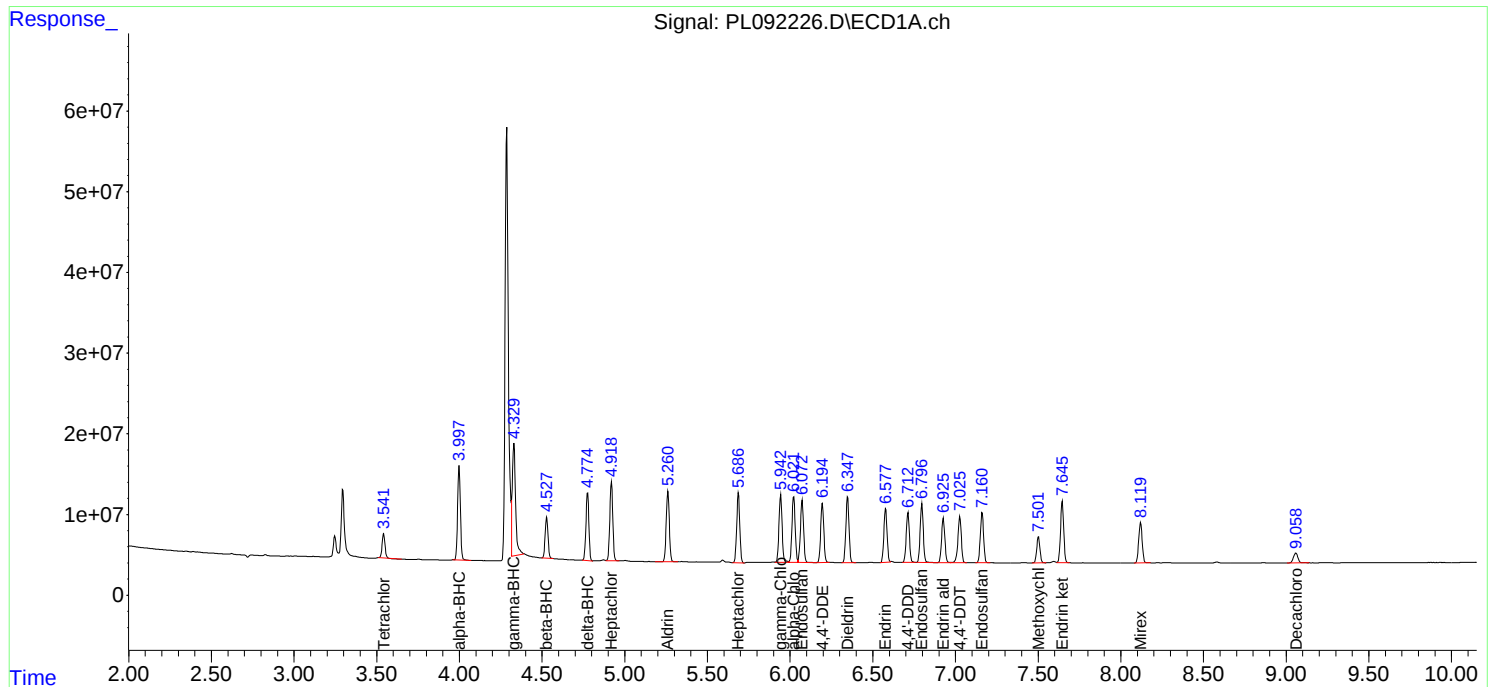
APPROVED

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:54:45 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
 Data File : PL092227.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2024 18:16
 Operator : AR\AJ
 Sample : P4258-04MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

Chamberlain AveMSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 02:55:57 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
 Quant Title : GC Extractables
 QLast Update : Mon Sep 23 16:44:57 2024
 Response via : Initial Calibration
 Integrator: ChemStation

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

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.543	2.781	37296942	42178362	16.765	16.817
28)	SA Decachlor...	9.058	7.920	22828853	33564975	13.935	13.416
Target Compounds							
2)	A alpha-BHC	3.999	3.284	139.5E6	175.9E6	45.047	48.273
3)	MA gamma-BHC...	4.329	3.614	179.2E6	161.0E6	57.829m	45.588
4)	MA Heptachlor	4.920	3.954	124.2E6	166.3E6	44.920	48.181
5)	MB Aldrin	5.261	4.233	115.2E6	153.2E6	41.492	45.059
6)	B beta-BHC	4.528	3.914	61143247	74243413	46.098	49.394
7)	B delta-BHC	4.775	4.143	103.0E6	122.6E6	35.694	35.314
8)	B Heptachlo...	5.688	4.736	112.5E6	147.9E6	44.220	48.923
9)	A Endosulfan I	6.073	5.106	103.4E6	135.8E6	44.676	49.466
10)	B gamma-Chl...	5.943	4.986	112.6E6	149.2E6	45.554	49.592
11)	B alpha-Chl...	6.022	5.049	110.5E6	146.9E6	44.847	49.057
12)	B 4,4'-DDE	6.195	5.239	97397541	138.1E6	44.999	49.703
13)	MA Dieldrin	6.348	5.370	109.2E6	144.9E6	44.760	49.409
14)	MA Endrin	6.576	5.646	89310569	124.9E6	43.340m	47.645
15)	B Endosulfa...	6.797	5.940	97080135	124.8E6	44.133	49.854
16)	A 4,4'-DDD	6.713	5.793	82957712	111.6E6	46.198	52.234
17)	MA 4,4'-DDT	7.027	6.044	82861878	106.8E6	45.004	46.154
18)	B Endrin al...	6.927	6.119	76064149	96051873	43.646	47.068
19)	B Endosulfa...	7.161	6.342	85850069	113.2E6	43.309	46.923
20)	A Methoxychlor	7.502	6.619	43988409	57460689	44.808	45.956
21)	B Endrin ke...	7.646	6.847	102.6E6	138.5E6	46.695	50.004
22)	Mirex	8.120	7.028	74188401	104.1E6	41.193	42.801

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100524\
Data File : PL092227.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2024 18:16
Operator : AR\AJ
Sample : P4258-04MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

Chamberlain AveMSD

Manual Integrations

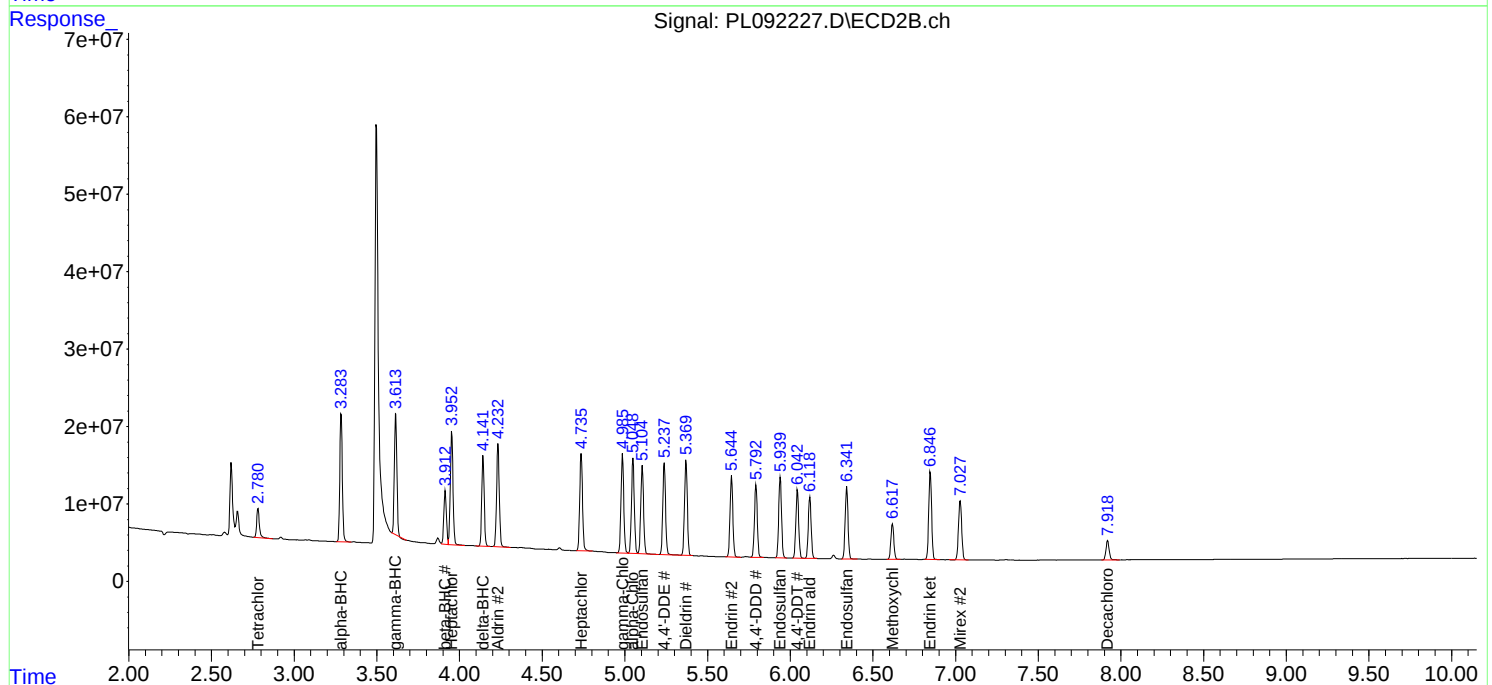
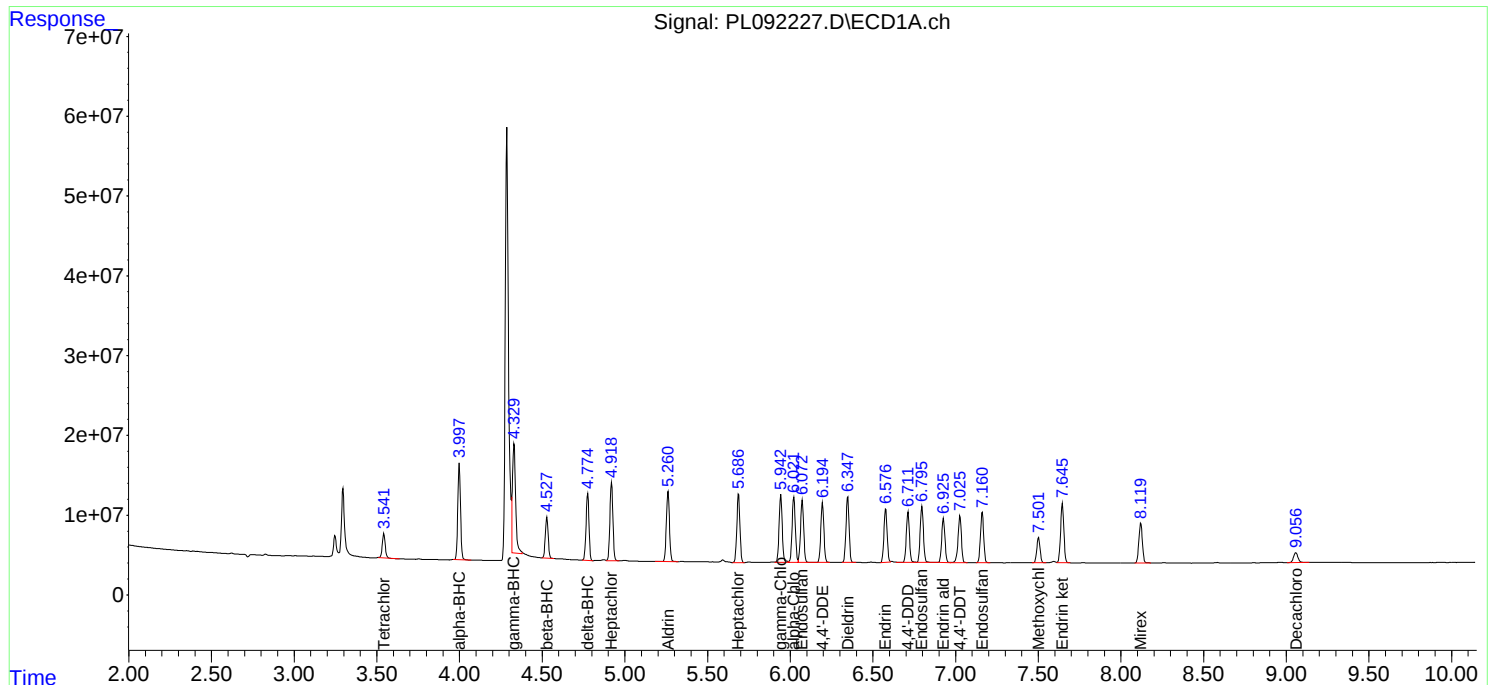
APPROVED

Reviewed By :Abdul Mirza 10/04/2024

Supervised By :Ankita Jodhani 10/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 02:55:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092324.M
Quant Title : GC Extractables
QLast Update : Mon Sep 23 16:44:57 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL091954.D	Endrin ketone #2	Abdul	9/24/2024 9:17:41 AM	Ankita	9/24/2024 11:06:36	Peak Integrated by Software
PSTDICC025	PL091959.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:44 AM	Ankita	9/24/2024 11:06:38	Peak Integrated by Software
PSTDICC005	PL091960.D	delta-BHC	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Endrin ketone #2	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Heptachlor epoxide	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PSTDICC005	PL091960.D	Methoxychlor	Abdul	9/24/2024 9:17:47 AM	Ankita	9/24/2024 11:06:40	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDE #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	4,4"-DDT #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Endrin ketone #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	gamma-BHC (Lindane)	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software
PEM	PL091975.D	Methoxychlor #2	Abdul	9/25/2024 12:23:38 PM	Ankita	9/25/2024 12:24:20	Peak Integrated by Software

Manual Integration Report

Sequence:	PL092324	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL091976.D	4,4"-DDE #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Aldrin #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	delta-BHC #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin aldehyde	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
PSTDCCC050	PL091976.D	Endrin ketone #2	Abdul	9/24/2024 9:18:08 AM	Ankita	9/24/2024 11:06:48	Peak Integrated by Software
I.BLK	PL091988.D	Tetrachloro-m-xylene	Abdul	9/24/2024 9:23:07 AM	Ankita	9/24/2024 11:07:26	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDD	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	4,4"-DDE #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Aldrin #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	delta-BHC #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endosulfan II #2	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software
PSTDCCC050	PL091989.D	Endrin	Abdul	9/24/2024 9:23:10 AM	Ankita	9/24/2024 11:07:29	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PL092324

Instrument

ECD_I

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	PL100524	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092208.D	4,4"-DDD	Abdul	10/4/2024 9:11:25 AM	Ankita	10/4/2024 10:16:58	Peak Integrated by Software
PEM	PL092208.D	4,4"-DDE	Abdul	10/4/2024 9:11:25 AM	Ankita	10/4/2024 10:16:58	Peak Integrated by Software
PSTDCCC050	PL092209.D	gamma-Chlordane	Abdul	10/4/2024 9:11:27 AM	Ankita	10/4/2024 10:17:00	Peak Integrated by Software
PSTDCCC050	PL092221.D	4,4"-DDD	Abdul	10/4/2024 9:15:09 AM	Ankita	10/4/2024 10:18:07	Peak Integrated by Software
PSTDCCC050	PL092221.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:09 AM	Ankita	10/4/2024 10:18:07	Peak Integrated by Software
PB163891BL	PL092222.D	Decachlorobiphenyl	Abdul	10/4/2024 9:15:12 AM	Ankita	10/4/2024 10:18:09	Peak Integrated by Software
PB163891BS	PL092223.D	4,4"-DDD	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Endrin	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Endrin ketone #2	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	gamma-Chlordane	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Heptachlor epoxide	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software
PB163891BS	PL092223.D	Methoxychlor	Abdul	10/4/2024 9:15:16 AM	Ankita	10/4/2024 10:18:12	Peak Integrated by Software

Manual Integration Report

Sequence:	PL100524	Instrument	ECD_I
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4258-04	PL092225.D	Decachlorobiphenyl	Abdul	10/4/2024 9:15:24 AM	Ankita	10/4/2024 10:18:16	Peak Integrated by Software
P4258-04MS	PL092226.D	4,4"-DDD	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MS	PL092226.D	Endrin	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MS	PL092226.D	gamma-BHC (Lindane)	Abdul	10/4/2024 9:15:29 AM	Ankita	10/4/2024 10:18:18	Peak Integrated by Software
P4258-04MSD	PL092227.D	Endrin	Abdul	10/4/2024 9:15:33 AM	Ankita	10/4/2024 10:18:20	Peak Integrated by Software
P4258-04MSD	PL092227.D	gamma-BHC (Lindane)	Abdul	10/4/2024 9:15:33 AM	Ankita	10/4/2024 10:18:20	Peak Integrated by Software
I.BLK	PL092228.D	Tetrachloro-m-xylene	Abdul	10/4/2024 9:15:37 AM	Ankita	10/4/2024 10:18:21	Peak Integrated by Software
PSTDCCC050	PL092229.D	4,4"-DDD	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	4,4"-DDE #2	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	Aldrin #2	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software
PSTDCCC050	PL092229.D	gamma-Chlordane	Abdul	10/4/2024 9:15:42 AM	Ankita	10/4/2024 10:18:23	Peak Integrated by Software

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL091952.D	23 Sep 2024 10:38	AR\AJ	Ok
2	I.BLK	PL091953.D	23 Sep 2024 10:52	AR\AJ	Ok
3	PEM	PL091954.D	23 Sep 2024 11:05	AR\AJ	Ok,M
4	RESCHK	PL091955.D	23 Sep 2024 11:19	AR\AJ	Ok
5	PSTDICC100	PL091956.D	23 Sep 2024 11:32	AR\AJ	Ok
6	PSTDICC075	PL091957.D	23 Sep 2024 11:45	AR\AJ	Ok
7	PSTDICC050	PL091958.D	23 Sep 2024 11:59	AR\AJ	Ok
8	PSTDICC025	PL091959.D	23 Sep 2024 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL091960.D	23 Sep 2024 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39	AR\AJ	Ok
11	PCHLORICC750	PL091962.D	23 Sep 2024 12:52	AR\AJ	Ok
12	PCHLORICC500	PL091963.D	23 Sep 2024 13:06	AR\AJ	Ok
13	PCHLORICC250	PL091964.D	23 Sep 2024 13:19	AR\AJ	Ok
14	PCHLORICC050	PL091965.D	23 Sep 2024 13:33	AR\AJ	Ok
15	PTOXICC1000	PL091966.D	23 Sep 2024 13:46	AR\AJ	Ok
16	PTOXICC750	PL091967.D	23 Sep 2024 13:59	AR\AJ	Ok
17	PTOXICC500	PL091968.D	23 Sep 2024 14:13	AR\AJ	Ok
18	PTOXICC250	PL091969.D	23 Sep 2024 14:26	AR\AJ	Ok
19	PTOXICC100	PL091970.D	23 Sep 2024 14:40	AR\AJ	Ok,M
20	PSTDICV050	PL091971.D	23 Sep 2024 14:53	AR\AJ	Ok
21	PCHLORICV500	PL091972.D	23 Sep 2024 15:20	AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PL091973.D	23 Sep 2024 15:47	AR\AJ	Ok
23	I.BLK	PL091974.D	23 Sep 2024 16:13	AR\AJ	Ok
24	PEM	PL091975.D	23 Sep 2024 16:27	AR\AJ	Ok,M
25	PSTDCCC050	PL091976.D	23 Sep 2024 16:40	AR\AJ	Ok,M
26	PB163572BL	PL091977.D	23 Sep 2024 16:54	AR\AJ	Ok
27	PB163572BS	PL091978.D	23 Sep 2024 17:07	AR\AJ	Ok,M
28	P4103-02	PL091979.D	23 Sep 2024 17:20	AR\AJ	Ok,M
29	P4103-02MS	PL091980.D	23 Sep 2024 17:34	AR\AJ	Ok,M
30	P4103-02MSD	PL091981.D	23 Sep 2024 17:47	AR\AJ	Ok,M
31	P4103-05	PL091982.D	23 Sep 2024 18:01	AR\AJ	Ok
32	P4103-08	PL091983.D	23 Sep 2024 18:14	AR\AJ	Ok,M
33	P4103-11	PL091984.D	23 Sep 2024 18:28	AR\AJ	Ok,M
34	P4103-14	PL091985.D	23 Sep 2024 18:41	AR\AJ	Ok,M
35	P4103-17	PL091986.D	23 Sep 2024 18:55	AR\AJ	Ok,M
36	PB163511TB	PL091987.D	23 Sep 2024 19:08	AR\AJ	Ok,M
37	I.BLK	PL091988.D	23 Sep 2024 19:21	AR\AJ	Ok,M
38	PSTDCCC050	PL091989.D	23 Sep 2024 19:35	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM
SubDirectory	PL100524	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092206.D	03 Oct 2024 10:10	AR\AJ	Ok
2	I.BLK	PL092207.D	03 Oct 2024 10:24	AR\AJ	Ok
3	PEM	PL092208.D	03 Oct 2024 10:37	AR\AJ	Ok,M
4	PSTDCCC050	PL092209.D	03 Oct 2024 10:51	AR\AJ	Ok,M
5	PB163841BS	PL092210.D	03 Oct 2024 11:36	AR\AJ	Ok,M
6	PB163841BSD	PL092211.D	03 Oct 2024 11:49	AR\AJ	Ok,M
7	PB163869BL	PL092212.D	03 Oct 2024 13:01	AR\AJ	Ok
8	PB163869BS	PL092213.D	03 Oct 2024 13:15	AR\AJ	Ok,M
9	P4270-01	PL092214.D	03 Oct 2024 13:28	AR\AJ	Ok,M
10	P4270-01MS	PL092215.D	03 Oct 2024 13:42	AR\AJ	Ok,M
11	P4270-01MSD	PL092216.D	03 Oct 2024 13:55	AR\AJ	Ok,M
12	P4273-01	PL092217.D	03 Oct 2024 14:09	AR\AJ	Ok,M
13	P4276-01	PL092218.D	03 Oct 2024 14:22	AR\AJ	Ok,M
14	P4277-01	PL092219.D	03 Oct 2024 14:35	AR\AJ	Ok,M
15	I.BLK	PL092220.D	03 Oct 2024 14:49	AR\AJ	Ok
16	PSTDCCC050	PL092221.D	03 Oct 2024 15:02	AR\AJ	Ok,M
17	PB163891BL	PL092222.D	03 Oct 2024 17:09	AR\AJ	Ok,M
18	PB163891BS	PL092223.D	03 Oct 2024 17:22	AR\AJ	Ok,M
19	PB163851TB	PL092224.D	03 Oct 2024 17:36	AR\AJ	Ok
20	P4258-04	PL092225.D	03 Oct 2024 17:49	AR\AJ	Ok,M
21	P4258-04MS	PL092226.D	03 Oct 2024 18:02	AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM
SubDirectory	PL100524	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4258-04MSD	PL092227.D	03 Oct 2024 18:16	AR\AJ	Ok,M
23	I.BLK	PL092228.D	03 Oct 2024 18:29	AR\AJ	Ok,M
24	PSTDCCC050	PL092229.D	03 Oct 2024 18:43	AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method p1092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL091952.D	23 Sep 2024 10:38		AR\AJ	Ok
2	I.BLK	I.BLK	PL091953.D	23 Sep 2024 10:52		AR\AJ	Ok
3	PEM	PEM	PL091954.D	23 Sep 2024 11:05		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL091955.D	23 Sep 2024 11:19		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL091956.D	23 Sep 2024 11:32		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL091957.D	23 Sep 2024 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL091958.D	23 Sep 2024 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL091959.D	23 Sep 2024 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL091960.D	23 Sep 2024 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL091961.D	23 Sep 2024 12:39		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL091962.D	23 Sep 2024 12:52		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL091963.D	23 Sep 2024 13:06		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL091964.D	23 Sep 2024 13:19		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL091965.D	23 Sep 2024 13:33		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL091966.D	23 Sep 2024 13:46		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL091967.D	23 Sep 2024 13:59		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL091968.D	23 Sep 2024 14:13		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL091969.D	23 Sep 2024 14:26		AR\AJ	Ok

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM
SubDirectory	PL092324	HP Acquire Method	HP Processing Method
			pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PL091970.D	23 Sep 2024 14:40		AR\AJ	Ok,M
20	PSTDICV050	ICVPL092324	PL091971.D	23 Sep 2024 14:53		AR\AJ	Ok
21	PCHLORICV500	ICVPL092324CHLOR	PL091972.D	23 Sep 2024 15:20		AR\AJ	Ok
22	PTOXICV500	ICVPL092324TOX	PL091973.D	23 Sep 2024 15:47		AR\AJ	Ok
23	I.BLK	I.BLK	PL091974.D	23 Sep 2024 16:13		AR\AJ	Ok
24	PEM	PEM	PL091975.D	23 Sep 2024 16:27		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL091976.D	23 Sep 2024 16:40		AR\AJ	Ok,M
26	PB163572BL	PB163572BL	PL091977.D	23 Sep 2024 16:54		AR\AJ	Ok
27	PB163572BS	PB163572BS	PL091978.D	23 Sep 2024 17:07		AR\AJ	Ok,M
28	P4103-02	WC-22A	PL091979.D	23 Sep 2024 17:20	TCMX low 1st column	AR\AJ	Ok,M
29	P4103-02MS	WC-22AMS	PL091980.D	23 Sep 2024 17:34	TCMX low 1st column	AR\AJ	Ok,M
30	P4103-02MSD	WC-22AMSD	PL091981.D	23 Sep 2024 17:47	TCMX low 1st column	AR\AJ	Ok,M
31	P4103-05	WC-14-5-7.5A	PL091982.D	23 Sep 2024 18:01		AR\AJ	Ok
32	P4103-08	WC-14-5-7.5B	PL091983.D	23 Sep 2024 18:14		AR\AJ	Ok,M
33	P4103-11	WC-14-7.5-10A	PL091984.D	23 Sep 2024 18:28		AR\AJ	Ok,M
34	P4103-14	WC-14-7.5-10B	PL091985.D	23 Sep 2024 18:41		AR\AJ	Ok,M
35	P4103-17	WC-23	PL091986.D	23 Sep 2024 18:55		AR\AJ	Ok,M
36	PB163511TB	PB163511TB	PL091987.D	23 Sep 2024 19:08		AR\AJ	Ok,M
37	I.BLK	I.BLK	PL091988.D	23 Sep 2024 19:21		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL092324

Review By	Abdul	Review On	9/24/2024 9:27:05 AM				
Supervise By	Ankita	Supervise On	9/24/2024 11:07:44 AM				
SubDirectory	PL092324	HP Acquire Method	HP Processing Method		pl092324 8081		
STD. NAME		STD REF.#					
Tune/Reschk		PP23282,PP23517					
Initial Calibration Stds		PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683					
CCC		PP23686,PP23690,PP23695					
Internal Standard/PEM							
ICV/I.BLK		PP23687,PP23693,PP23698					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

38	PSTDCCC050	PSTDCCC050	PL091989.D	23 Sep 2024 19:35		AR/AJ	Ok,M
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M : Manual Integration

A
B
C
D
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H
I
J
K
L

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM
SubDirectory	PL100524	HP Acquire Method	HP Processing Method p1092324 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23282,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092206.D	03 Oct 2024 10:10		AR\AJ	Ok
2	I.BLK	I.BLK	PL092207.D	03 Oct 2024 10:24		AR\AJ	Ok
3	PEM	PEM	PL092208.D	03 Oct 2024 10:37		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092209.D	03 Oct 2024 10:51		AR\AJ	Ok,M
5	PB163841BS	PB163841BS	PL092210.D	03 Oct 2024 11:36		AR\AJ	Ok,M
6	PB163841BSD	PB163841BSD	PL092211.D	03 Oct 2024 11:49		AR\AJ	Ok,M
7	PB163869BL	PB163869BL	PL092212.D	03 Oct 2024 13:01		AR\AJ	Ok
8	PB163869BS	PB163869BS	PL092213.D	03 Oct 2024 13:15		AR\AJ	Ok,M
9	P4270-01	IB-2	PL092214.D	03 Oct 2024 13:28		AR\AJ	Ok,M
10	P4270-01MS	IB-2MS	PL092215.D	03 Oct 2024 13:42		AR\AJ	Ok,M
11	P4270-01MSD	IB-2MSD	PL092216.D	03 Oct 2024 13:55		AR\AJ	Ok,M
12	P4273-01	AU-05-100224	PL092217.D	03 Oct 2024 14:09		AR\AJ	Ok,M
13	P4276-01	VNJ-208	PL092218.D	03 Oct 2024 14:22		AR\AJ	Ok,M
14	P4277-01	BU-03-10022024	PL092219.D	03 Oct 2024 14:35		AR\AJ	Ok,M
15	I.BLK	I.BLK	PL092220.D	03 Oct 2024 14:49		AR\AJ	Ok
16	PSTDCCC050	PSTDCCC050	PL092221.D	03 Oct 2024 15:02		AR\AJ	Ok,M
17	PB163891BL	PB163891BL	PL092222.D	03 Oct 2024 17:09		AR\AJ	Ok,M
18	PB163891BS	PB163891BS	PL092223.D	03 Oct 2024 17:22		AR\AJ	Ok,M

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QC Batch ID # PL100524

Review By	Abdul	Review On	10/4/2024 9:16:27 AM
Supervise By	Ankita	Supervise On	10/4/2024 10:18:34 AM
SubDirectory	PL100524	HP Acquire Method	HP Processing Method pl092324 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP23282,PP23517		
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683		
CCC	PP23686,PP23690,PP23695		
Internal Standard/PEM			
ICV/I.BLK	PP23687,PP23693,PP23698		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PB163851TB	PB163851TB	PL092224.D	03 Oct 2024 17:36		AR\AJ	Ok
20	P4258-04	Chamberlain Ave	PL092225.D	03 Oct 2024 17:49		AR\AJ	Ok,M
21	P4258-04MS	Chamberlain AveMS	PL092226.D	03 Oct 2024 18:02		AR\AJ	Ok,M
22	P4258-04MSD	Chamberlain AveMSD	PL092227.D	03 Oct 2024 18:16		AR\AJ	Ok,M
23	I.BLK	I.BLK	PL092228.D	03 Oct 2024 18:29		AR\AJ	Ok,M
24	PSTDCCC050	PSTDCCC050	PL092229.D	03 Oct 2024 18:43		AR\AJ	Ok,M

M : Manual Integration

SOP ID :	M1311-TCLP-14	
SDG No :	N/A	Start Prep Date : 10/02/2024 Time : 17:35
Weigh By :	JP	End Prep Date : 10/03/2024 Time : 10:25
Balance ID :	WC SC-4	Combination Ratio : 20
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch : N/A
Extraction By :	JP	Initial Room Temperature: 23 °C
Filter By :	JP	Final Room Temperature: 22 °C
Pipette ID :	WC	TCLP Technician Signature : <i>JP</i>
Tumbler ID :	T-1	Supervisor By : <i>12</i>
TCLP Filter ID :	114771	

Standardized Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 checked, 30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	<i>JP</i> / TCLP Room	<i>JP</i> • <i>1541</i>
	Preparation Group	Analysis Group <i>10/03/24</i>

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tcip p4258

WorkList ID : 184036

Department : TCLP Extraction

Date : 10-02-2024 09:43:17

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4242-04	TP-Q	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4254-04	MH-147-SLUDGE	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/01/2024	1311
P4258-04	Chamberlain Ave	Solid	TCLP Extraction	Cool 4 deg C	ROMA02	H11	10/01/2024	1311
P4270-04	IB-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J51	10/02/2024	1311
P4276-02	VNJ-208	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	J53	10/02/2024	1311

Date/Time 10/02/24 16:30
 Raw Sample Received by: JP Cee
 Raw Sample Relinquished by: Z.C. Sm

Date/Time 10/02/24 19:00
 Raw Sample Received by: Z.C. Sm
 Raw Sample Relinquished by: JP Cee

SOP ID: M3510C,3580A-Extraction Pesticide-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/03/2024

Extraction Start Time : 11:50

Extraction End Date : 10/03/2024

Extraction End Time : 16:45

Concentration By: EH

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP23638
Surrogate	1.0ML	200 PPB	PP23641
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3803
Baked Na2SO4	N/A	EP2541
Hexane	N/A	E3805
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: WATER BATH-1 **Envap ID:** NE VAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24	RP (Ext. Lab)	R - Pesticide Lab
16:00	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction Pesticide-16

Concentration Date: 10/03/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB163851TB	PB163851TB	TCLP Pesticide	100	6	RUPESH	ritesh	10			SEP-1
PB163891BL	PBLK891	TCLP Pesticide	1000	6	RUPESH	ritesh	10			2
PB163891BS	PLCS891	TCLP Pesticide	1000	6	RUPESH	ritesh	10			3
P4258-04	CHAMBERLAIN AVE	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		4
P4258-04MS	CHAMBERLAIN AVEMS	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		5
P4258-04MS D	CHAMBERLAIN AVEMSD	TCLP Pesticide	100	6	RUPESH	ritesh	10	A		6

* Extracts relinquished on the same date as received.

8
10/3/24

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

10/03/24
MJC



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

LAB CHRONICLE

OrderID:	P4258	OrderDate:	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	Project:	Perth Amboy
Contact:	Mark Mattheiss	Location:	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-04	Chamberlain Ave	TCLP	TCLP Pesticide	8081B	10/01/24	10/03/24	10/03/24	10/01/24