

Cover Page

Order ID : Q1913

Project ID : Meeker Ave Plumes Superfund Site RI FS

Client : AECOM

Lab Sample Number

Q1913-01
Q1913-02
Q1913-03
Q1913-04

Client Sample Number

WC-12-S-202504
WC-12-A-202504
WC-13-S-202504
WC-13-A-202504

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 5/8/2025

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1913

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 05/08/2025

LAB CHRONICLE

OrderID:	Q1913	OrderDate:	4/29/2025 2:15:00 PM
Client:	AECOM	Project:	Meeker Ave Plumes Superfund Site RI FS
Contact:	Amit Haryani	Location:	L21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1913-01	WC-12-S-202504	SOIL			04/29/25			04/29/25
			PCB	8082A		05/02/25	05/02/25	
			TCLP Pesticide	8081B		05/02/25	05/05/25	
Q1913-02	WC-12-A-202504	TCLP			04/29/25			04/29/25
			TCLP Pesticide	8081B		05/01/25	05/01/25	
			PCB	8082A		05/01/25	05/01/25	
Q1913-03	WC-13-S-202504	SOIL			04/29/25			04/29/25
			PCB	8082A		05/02/25	05/02/25	
			TCLP Pesticide	8081B		05/02/25	05/05/25	
Q1913-04	WC-13-A-202504	TCLP			04/29/25			04/29/25
			TCLP Pesticide	8081B		05/01/25	05/01/25	
			PCB	8082A		05/01/25	05/02/25	



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

Hit Summary Sheet
SW-846

SDG No.: Q1913

Order ID: Q1913

Client: AECOM

Project ID: Meeker Ave Plumes Superfund Site RI

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : Q1913-04	WC-13-A-202504 WC-13-A-202504	TCLP	Methoxychlor	0.12	J	0.11	0.50	ug/L
Total Concentration:				0.120				



QC SUMMARY

Surrogate Summary

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088121.D	PIBLK-PD088121.D	Decachlorobiphenyl	1	20	22.9	115		43	140
		Tetrachloro-m-xylene	1	20	20.1	101		77	126
		Decachlorobiphenyl	2	20	22.7	113		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
I.BLK-PD088368.D	PIBLK-PD088368.D	Decachlorobiphenyl	1	20	20.7	103		43	140
		Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	18.9	94		43	140
		Tetrachloro-m-xylene	2	20	19.8	99		77	126
PB167820BL	PB167820BL	Decachlorobiphenyl	1	20	18.6	93		43	140
		Tetrachloro-m-xylene	1	20	18.0	90		77	126
		Decachlorobiphenyl	2	20	16.8	84		43	140
		Tetrachloro-m-xylene	2	20	18.5	92		77	126
PB167820BS	PB167820BS	Decachlorobiphenyl	1	20	20.5	102		43	140
		Tetrachloro-m-xylene	1	20	20.0	100		77	126
		Decachlorobiphenyl	2	20	18.7	93		43	140
		Tetrachloro-m-xylene	2	20	20.5	103		77	126
PB167774TB	PB167774TB	Decachlorobiphenyl	1	20	19.1	96		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	17.2	86		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126
PB167805TB	PB167805TB	Decachlorobiphenyl	1	20	18.9	95		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	17.1	85		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126
Q1913-02	WC-12-A-202504	Decachlorobiphenyl	1	20	19.2	96		43	140
		Tetrachloro-m-xylene	1	20	20.1	100		77	126
		Decachlorobiphenyl	2	20	17.3	86		43	140
		Tetrachloro-m-xylene	2	20	19.5	97		77	126
Q1913-04	WC-13-A-202504	Decachlorobiphenyl	1	20	19.3	97		43	140
		Tetrachloro-m-xylene	1	20	17.7	89		77	126
		Decachlorobiphenyl	2	20	16.6	83		43	140
		Tetrachloro-m-xylene	2	20	18.4	92		77	126
Q1901-08MS	B-167-SB01MS	Decachlorobiphenyl	1	20	20.8	104		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	19.0	95		43	140
		Tetrachloro-m-xylene	2	20	18.8	94		77	126
Q1901-08MSD	B-167-SB01MSD	Decachlorobiphenyl	1	20	20.8	104		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	19.0	95		43	140
		Tetrachloro-m-xylene	2	20	18.9	94		77	126
I.BLK-PD088383.D	PIBLK-PD088383.D	Decachlorobiphenyl	1	20	21.0	105		43	140

Surrogate Summary

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PD088383.D	PIBLK-PD088383.D	Tetrachloro-m-xylene	1	20	20.4	102		77	126
		Decachlorobiphenyl	2	20	19.9	99		43	140
I.BLK-PD088406.D	PIBLK-PD088406.D	Tetrachloro-m-xylene	2	20	19.9	100		77	126
		Decachlorobiphenyl	1	20	16.6	83		43	140
		Tetrachloro-m-xylene	1	20	16.2	81		77	126
		Decachlorobiphenyl	2	20	14.9	75		43	140
		Tetrachloro-m-xylene	2	20	15.7	78		77	126
PB167848BL	PB167848BL	Decachlorobiphenyl	1	20	20.5	103		43	140
		Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	18.5	92		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
PB167848BS	PB167848BS	Decachlorobiphenyl	1	20	22.1	111		43	140
		Tetrachloro-m-xylene	1	20	20.8	104		77	126
		Decachlorobiphenyl	2	20	20.2	101		43	140
		Tetrachloro-m-xylene	2	20	20.7	104		77	126
Q1913-01	WC-12-S-202504	Decachlorobiphenyl	1	20	17.6	88		43	140
		Tetrachloro-m-xylene	1	20	23.6	118		77	126
		Decachlorobiphenyl	2	20	15.8	79		43	140
		Tetrachloro-m-xylene	2	20	18.6	93		77	126
		Decachlorobiphenyl	1	20	14.1	70		43	140
Q1913-03	WC-13-S-202504	Tetrachloro-m-xylene	1	20	22.6	113		77	126
		Decachlorobiphenyl	2	20	12.6	63		43	140
		Tetrachloro-m-xylene	2	20	17.5	87		77	126
		Decachlorobiphenyl	1	20	17.3	86		43	140
		Tetrachloro-m-xylene	1	20	16.2	81		77	126
I.BLK-PD088414.D	PIBLK-PD088414.D	Decachlorobiphenyl	2	20	15.6	78		43	140
		Tetrachloro-m-xylene	2	20	15.5	78		77	126
		Decachlorobiphenyl	1	20	22.3	112		43	140
		Tetrachloro-m-xylene	1	20	19.0	95		77	126
Q1929-03MS	WC-A4-02-CMS	Decachlorobiphenyl	2	20	19.9	100		43	140
		Tetrachloro-m-xylene	2	20	15.5	77		77	126
		Decachlorobiphenyl	1	20	22.3	112		43	140
Q1929-03MSD	WC-A4-02-CMSD	Tetrachloro-m-xylene	1	20	18.9	95		77	126
		Decachlorobiphenyl	2	20	20.1	101		43	140
		Tetrachloro-m-xylene	2	20	15.8	79		77	126
		Decachlorobiphenyl	1	20	19.4	97		43	140
I.BLK-PD088421.D	PIBLK-PD088421.D	Tetrachloro-m-xylene	1	20	18.2	91		77	126
		Decachlorobiphenyl	2	20	18.0	90		43	140
		Tetrachloro-m-xylene	2	20	17.3	87		77	126
		Decachlorobiphenyl	1	20	19.4	97		43	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

DataFile : PD088377.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID:	B-167-SB01MS									
Q1901-08MS	gamma-BHC (Lindane)	5	0	5.50	ug/L	110		60	152	
	Heptachlor	5	0	5.40	ug/L	108		56	147	
	Heptachlor epoxide	5	0	5.60	ug/L	112		77	143	
	Endrin	5	0	5.50	ug/L	110		76	144	
	Methoxychlor	5	0	5.10	ug/L	102		70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

DataFile : PD088378.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec Qual	RPD Qual	Low	Limits High	RPD
Client Sample ID: B-167-SB01MSD										
Q1901-08MSD	gamma-BHC (Lindane)	5	0	5.50	ug/L	110	0	60	152	20
	Heptachlor	5	0	5.40	ug/L	108	0	56	147	20
	Heptachlor epoxide	5	0	5.50	ug/L	110	2	77	143	20
	Endrin	5	0	5.50	ug/L	110	0	76	144	20
	Methoxychlor	5	0	5.00	ug/L	100	2	70	142	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

DataFile : PD088417.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-A4-02-CMS											
Q1929-03MS	gamma-BHC (Lindane)	5	0	5.50	ug/L	110				60	152	
	Heptachlor	5	0	5.50	ug/L	110				56	147	
	Heptachlor epoxide	5	0	5.60	ug/L	112				77	143	
	Endrin	5	0	5.70	ug/L	114				76	144	
	Methoxychlor	5	0	5.10	ug/L	102				70	142	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: 8081B

DataFile : PD088418.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	WC-A4-02-CMSD											
Q1929-03MSD	gamma-BHC (Lindane)	5	0	5.50	ug/L	110		0		60	152	20
	Heptachlor	5	0	5.50	ug/L	110		0		56	147	20
	Heptachlor epoxide	5	0	5.70	ug/L	114		2		77	143	20
	Endrin	5	0	5.70	ug/L	114		0		76	144	20
	Methoxychlor	5	0	5.10	ug/L	102		0		70	142	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: **8081B** Datafile : PD088371.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167820BS	gamma-BHC (Lindane)	0.5	0.52	ug/L	104				82	129	
	Heptachlor	0.5	0.52	ug/L	104				79	127	
	Heptachlor epoxide	0.5	0.53	ug/L	106				81	124	
	Endrin	0.5	0.51	ug/L	102				81	128	
	Methoxychlor	0.5	0.46	ug/L	93				78	108	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1913

Client: AECOM

Analytical Method: **8081B** Datafile : PD088410.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167848BS	gamma-BHC (Lindane)	0.5	0.54	ug/L	108				82	129	
	Heptachlor	0.5	0.54	ug/L	108				79	127	
	Heptachlor epoxide	0.5	0.55	ug/L	110				81	124	
	Endrin	0.5	0.53	ug/L	106				81	128	
	Methoxychlor	0.5	0.49	ug/L	98				78	108	

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167820BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: PB167820BL

Lab File ID: PD088370.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/01/2025

Date Analyzed (1): 05/01/2025

Date Analyzed (2): 05/01/2025

Time Analyzed (1): 13:39

Time Analyzed (2): 13:39

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB167820BS	PB167820BS	PD088371.D	05/01/2025	05/01/2025
PB167774TB	PB167774TB	PD088372.D	05/01/2025	05/01/2025
PB167805TB	PB167805TB	PD088373.D	05/01/2025	05/01/2025
WC-12-A-202504	Q1913-02	PD088374.D	05/01/2025	05/01/2025
WC-13-A-202504	Q1913-04	PD088375.D	05/01/2025	05/01/2025
B-167-SB01MS	Q1901-08MS	PD088377.D	05/01/2025	05/01/2025
B-167-SB01MSD	Q1901-08MSD	PD088378.D	05/01/2025	05/01/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167848BL

Lab Name: CHEMTECH

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: PB167848BL

Lab File ID: PD088409.D

Matrix: (soil/water) water

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 05/02/2025

Date Analyzed (1): 05/05/2025

Date Analyzed (2): 05/05/2025

Time Analyzed (1): 09:04

Time Analyzed (2): 09:04

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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
PB167848BS	PB167848BS	PD088410.D	05/05/2025	05/05/2025
WC-12-S-202504	Q1913-01	PD088412.D	05/05/2025	05/05/2025
WC-13-S-202504	Q1913-03	PD088413.D	05/05/2025	05/05/2025
WC-A4-02-CMS	Q1929-03MS	PD088417.D	05/05/2025	05/05/2025
WC-A4-02-CMSD	Q1929-03MSD	PD088418.D	05/05/2025	05/05/2025

COMMENTS: _____



SAMPLE DATA

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/01/25
Client Sample ID:	PB167774TB	SDG No.:	Q1913
Lab Sample ID:	PB167774TB	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
PD088372.D	1	05/01/25 08:56	05/01/25 14:06	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.1		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	94%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:06
Operator : AR\AJ
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167774TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	36831889	275.8E6	18.440	18.865
28) SA Decachlor...	9.073	8.074	63249202	317.9E6	19.119	17.201

Target Compounds

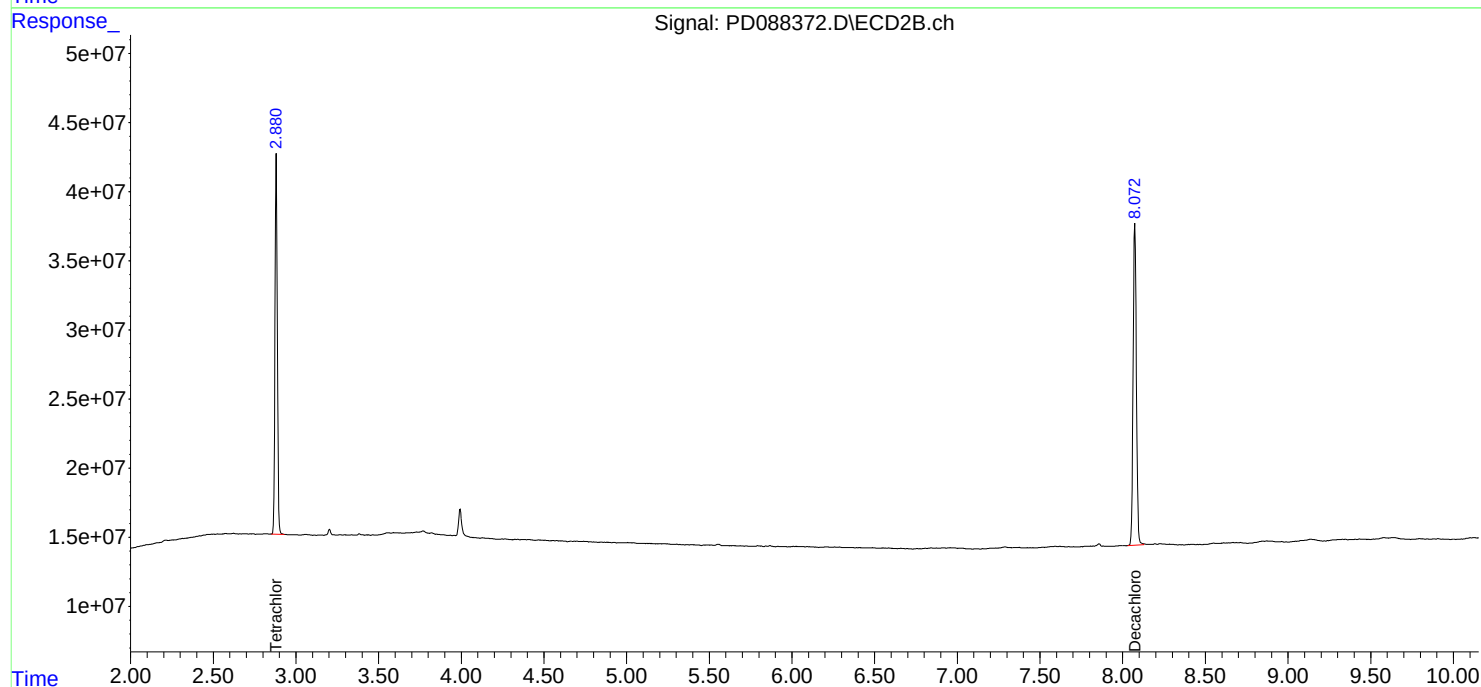
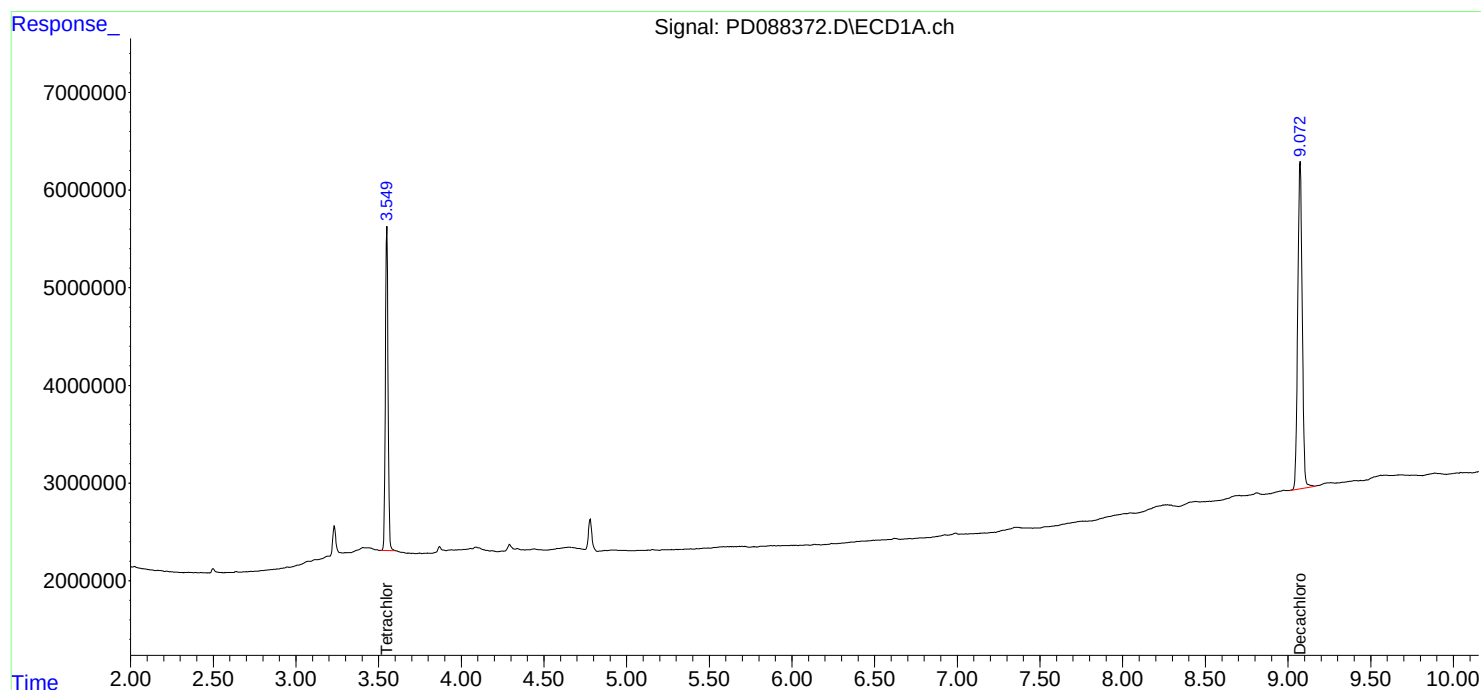
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

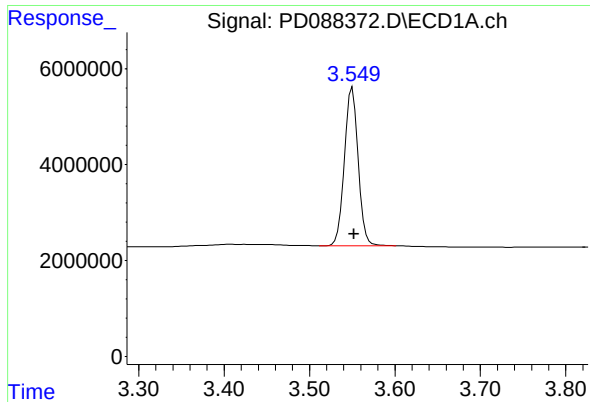
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088372.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:06
Operator : AR\AJ
Sample : PB167774TB
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167774TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

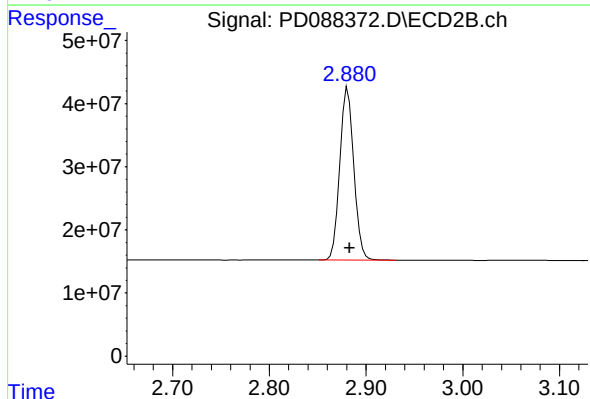




#1 Tetrachloro-m-xylene

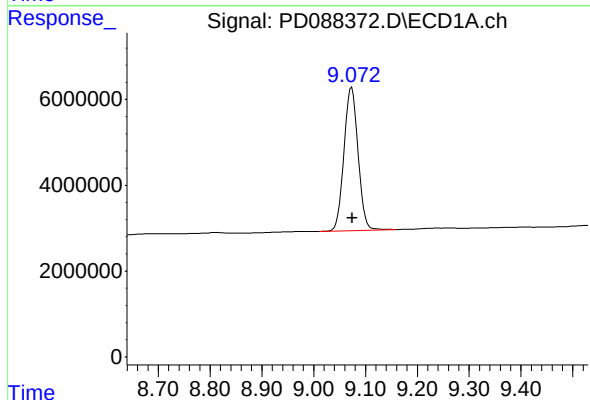
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 36831889
Conc: 18.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167774TB



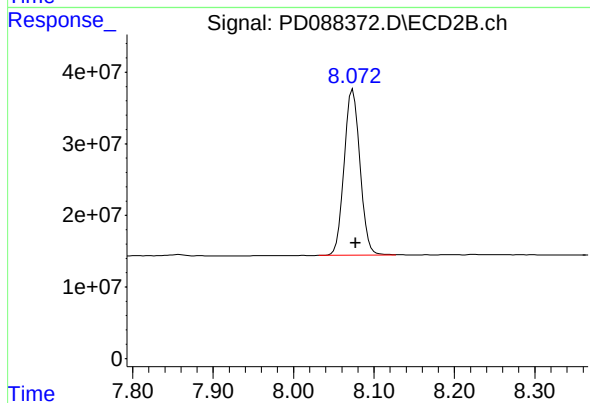
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 275830853
Conc: 18.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 63249202
Conc: 19.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 317876577
Conc: 17.20 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/01/25
Client Sample ID:	PB167805TB	SDG No.:	Q1913
Lab Sample ID:	PB167805TB	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
PD088373.D	1	05/01/25 08:56	05/01/25 14:20	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	95%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	94%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:20
Operator : AR\AJ
Sample : PB167805TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167805TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.882	36657450	275.6E6	18.353	18.846
28) SA Decachlor...	9.074	8.075	62587588	315.6E6	18.919	17.079

Target Compounds

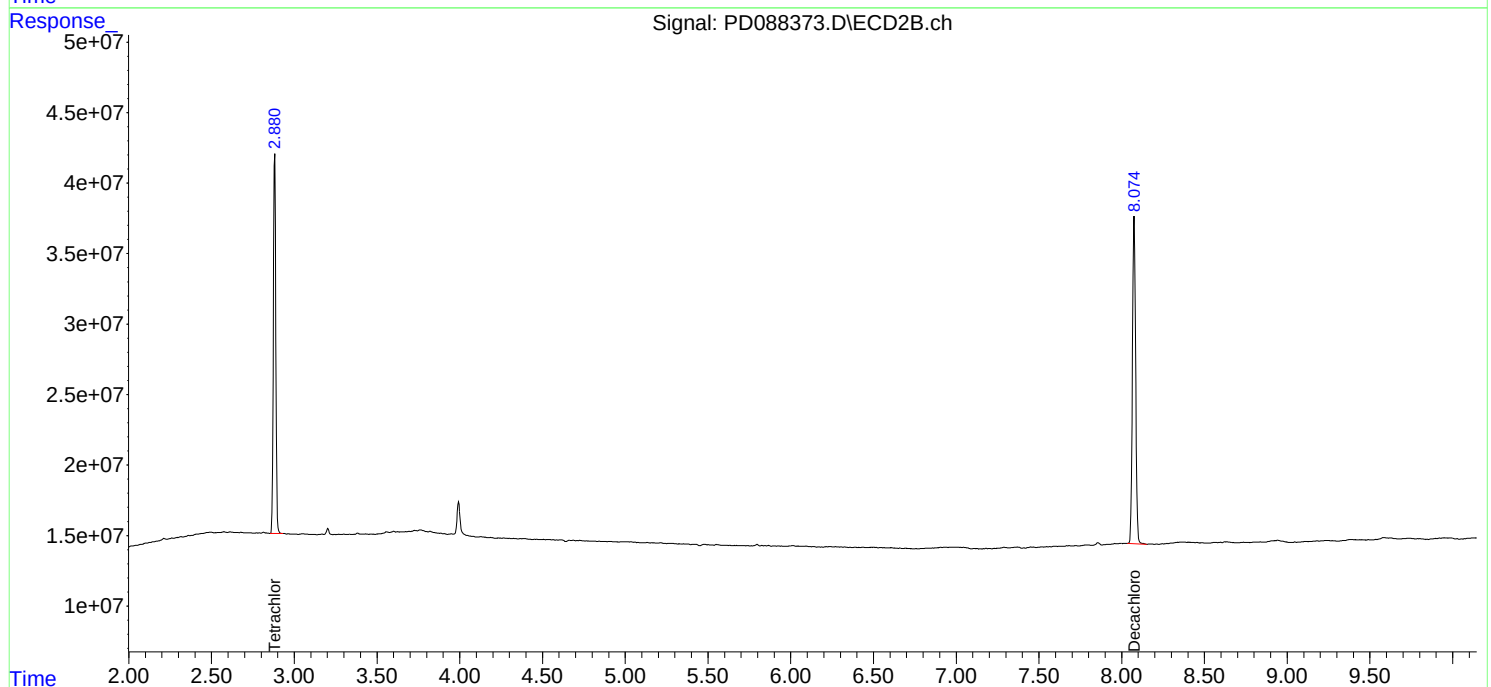
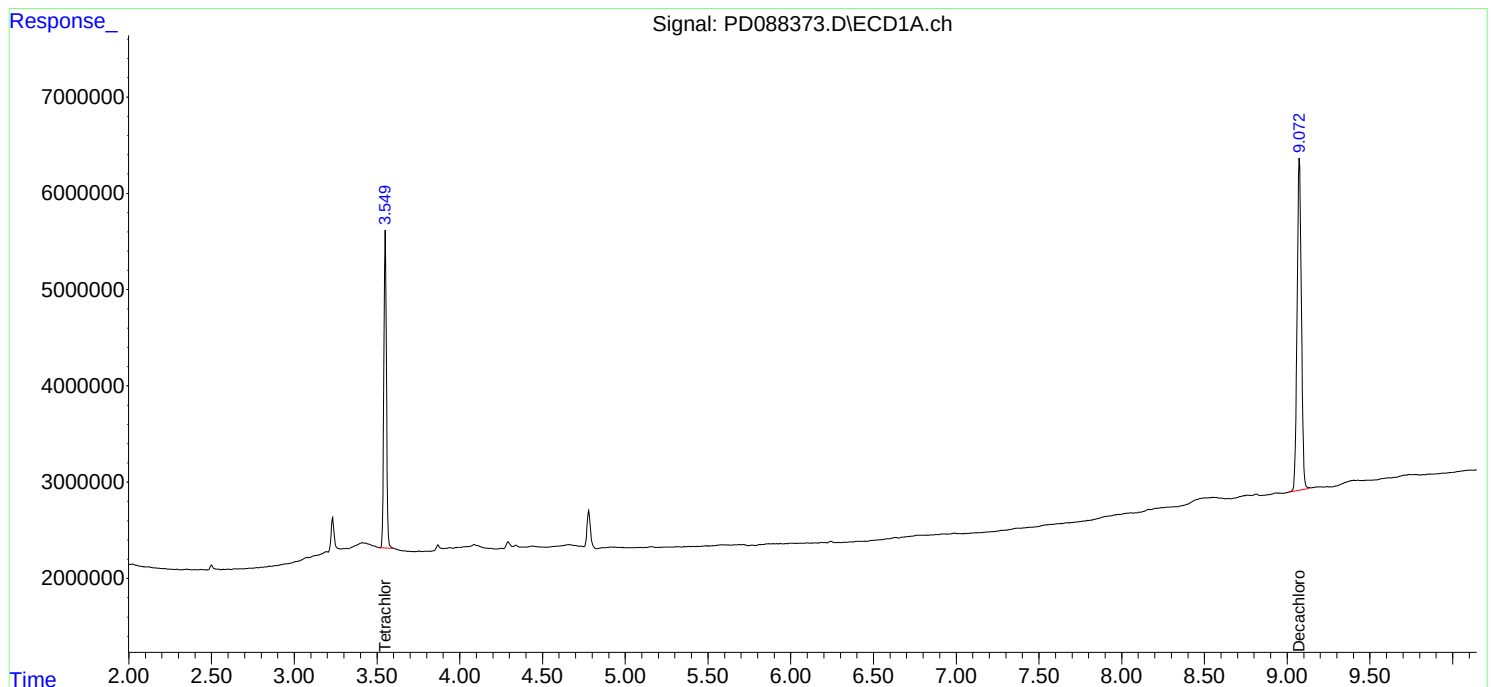
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

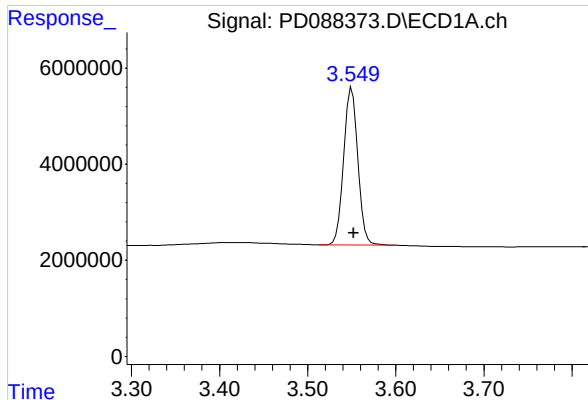
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088373.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:20
Operator : AR\AJ
Sample : PB167805TB
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167805TB

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

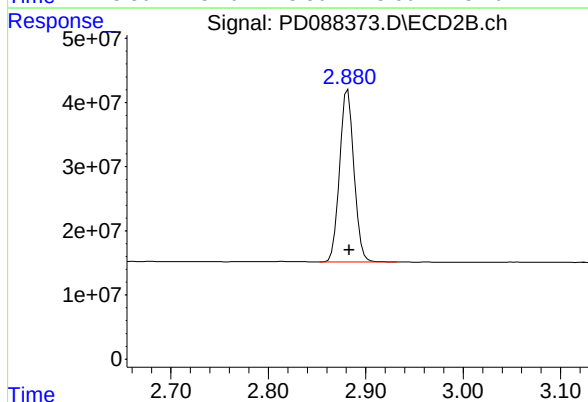




#1 Tetrachloro-m-xylene

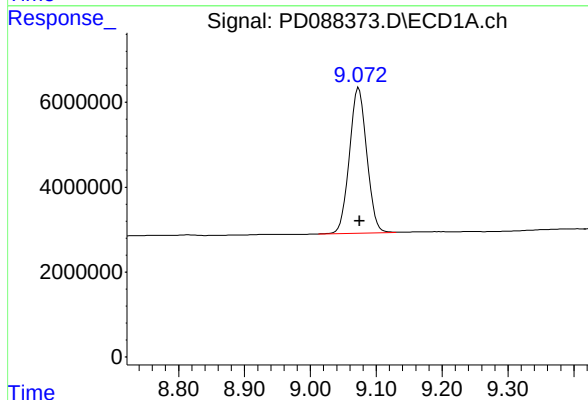
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 36657450
Conc: 18.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167805TB



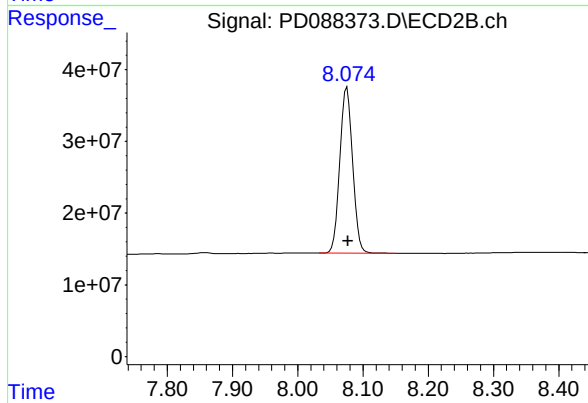
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 275560642
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 62587588
Conc: 18.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 315617715
Conc: 17.08 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-12-S-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-01	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088412.D	1	05/02/25 12:44	05/05/25 09:59	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.6		43 - 140	88%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.6		77 - 126	118%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:59
Operator : AR\AJ
Sample : Q1913-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 19:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.882	47055086	271.7E6	23.558	18.585
28) SA Decachlor...	9.072	8.074	58403548	291.5E6	17.655	15.772

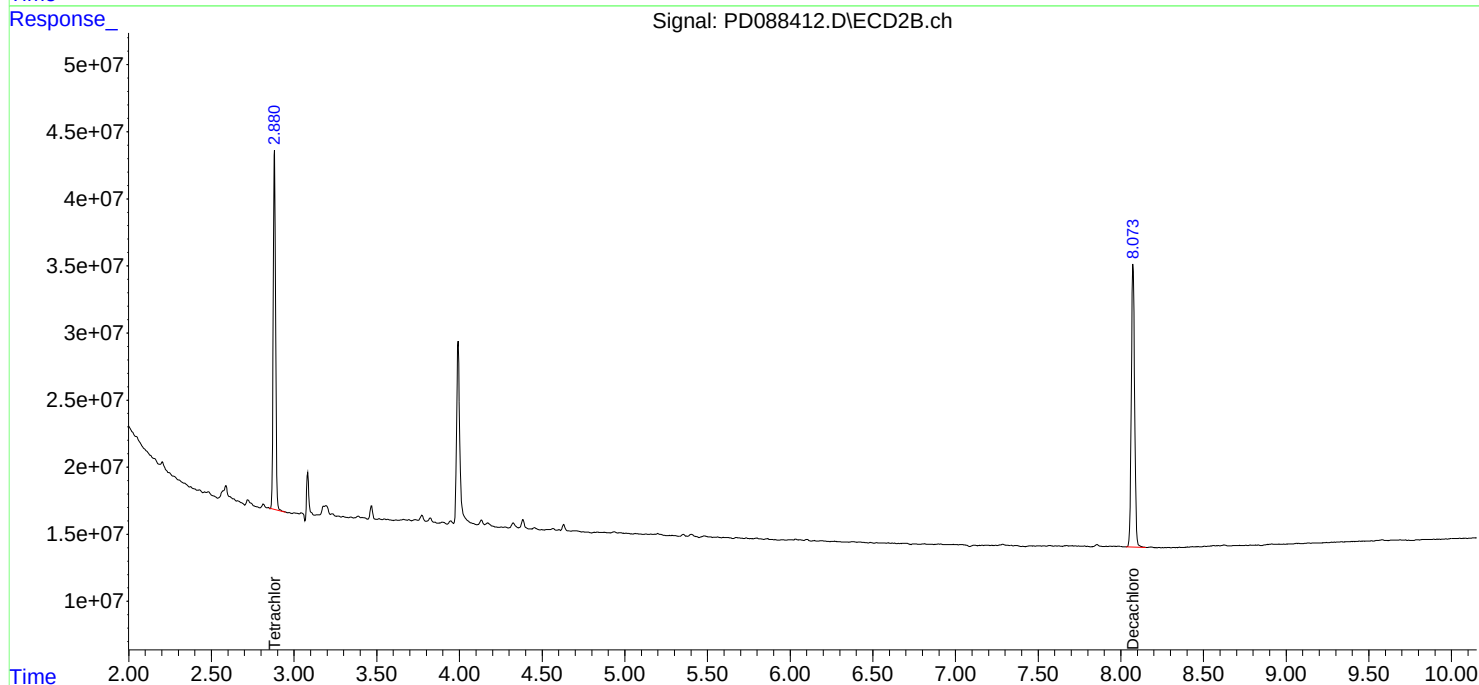
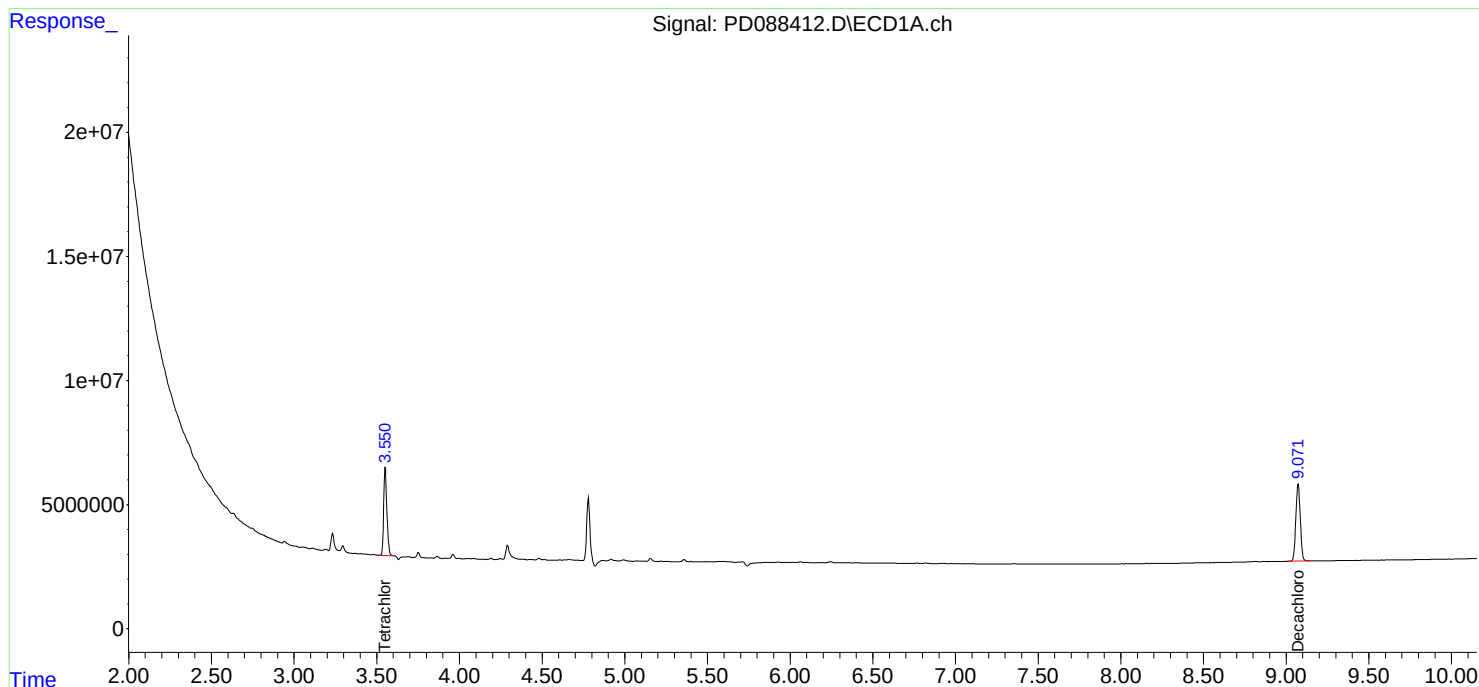
Target Compounds

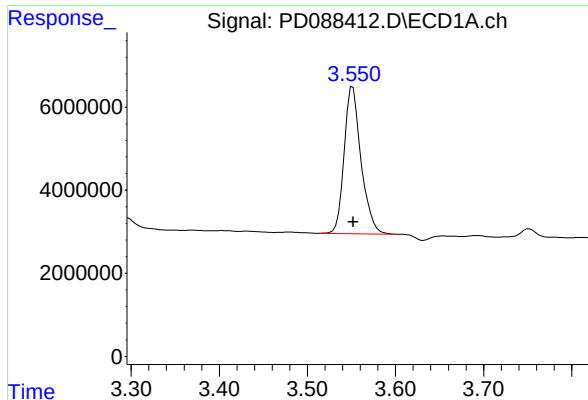
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088412.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:59
Operator : AR\AJ
Sample : Q1913-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 19:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

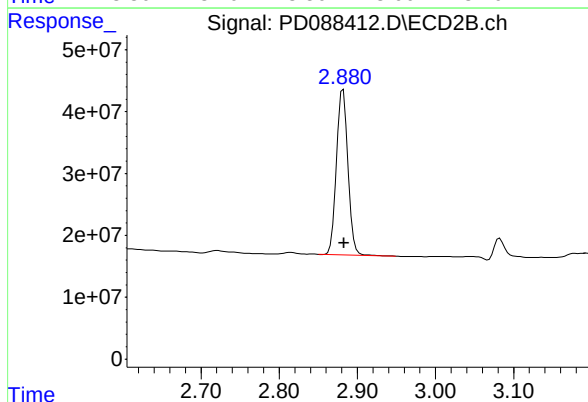
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





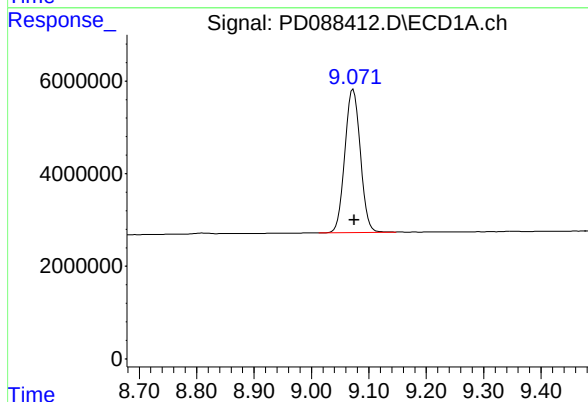
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 47055086
Conc: 23.56 ng/ml



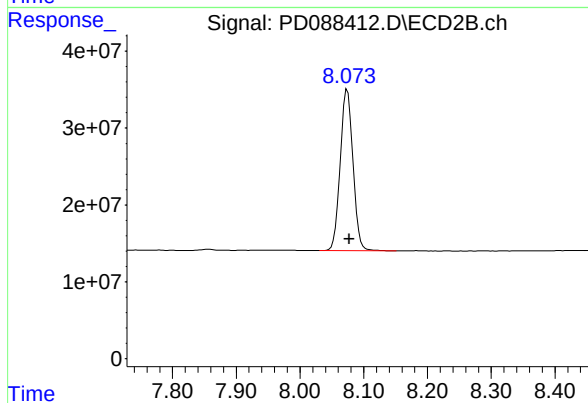
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 271744738
Conc: 18.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.002 min
Response: 58403548
Conc: 17.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 291464781
Conc: 15.77 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-12-A-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-02	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
PD088374.D	1	05/01/25 08:56	05/01/25 14:34	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.2		43 - 140	96%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.1		77 - 126	100%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088374.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 14:34
 Operator : AR\AJ
 Sample : Q1913-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-12-A-202504

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/02/2025
 Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:31:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.880	40081038	284.7E6	20.067m	19.471m
28) SA Decachlor...	9.074	8.075	63517080	318.8E6	19.200	17.253

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088374.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:34
Operator : AR\AJ
Sample : Q1913-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

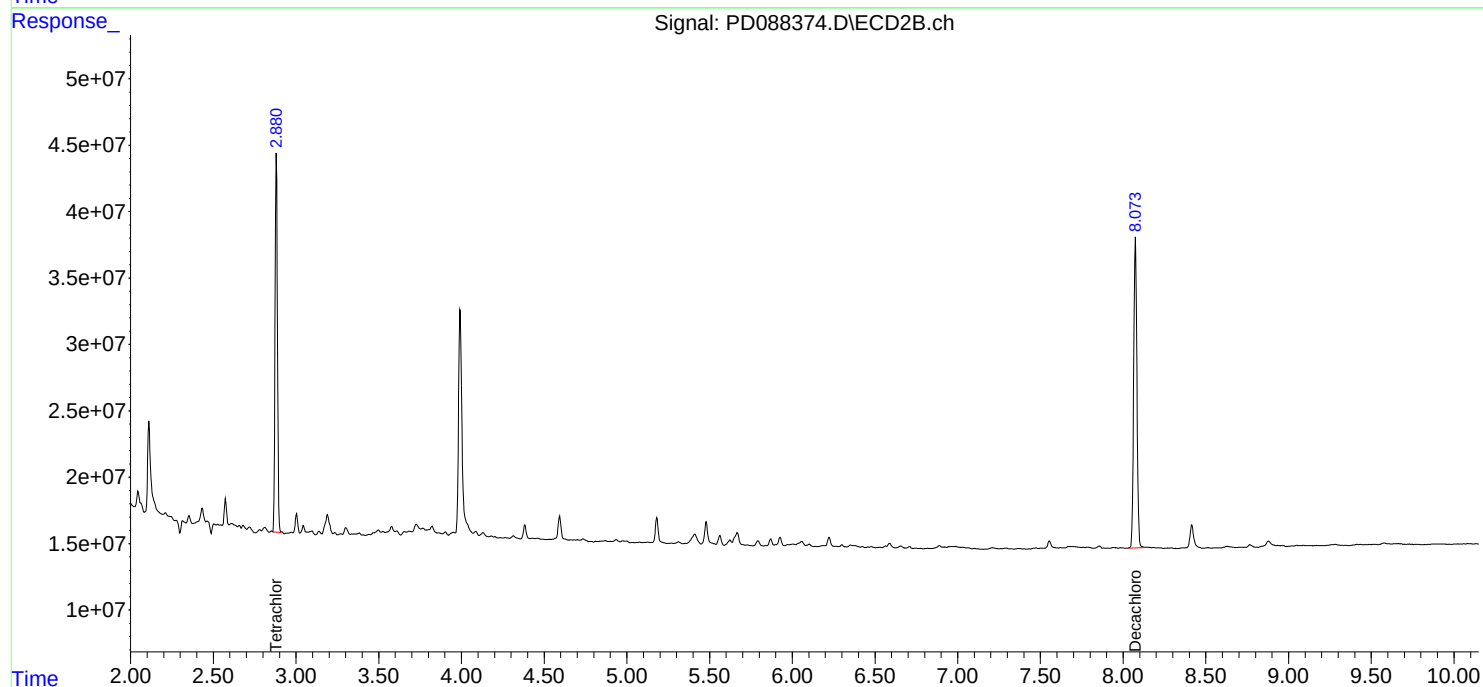
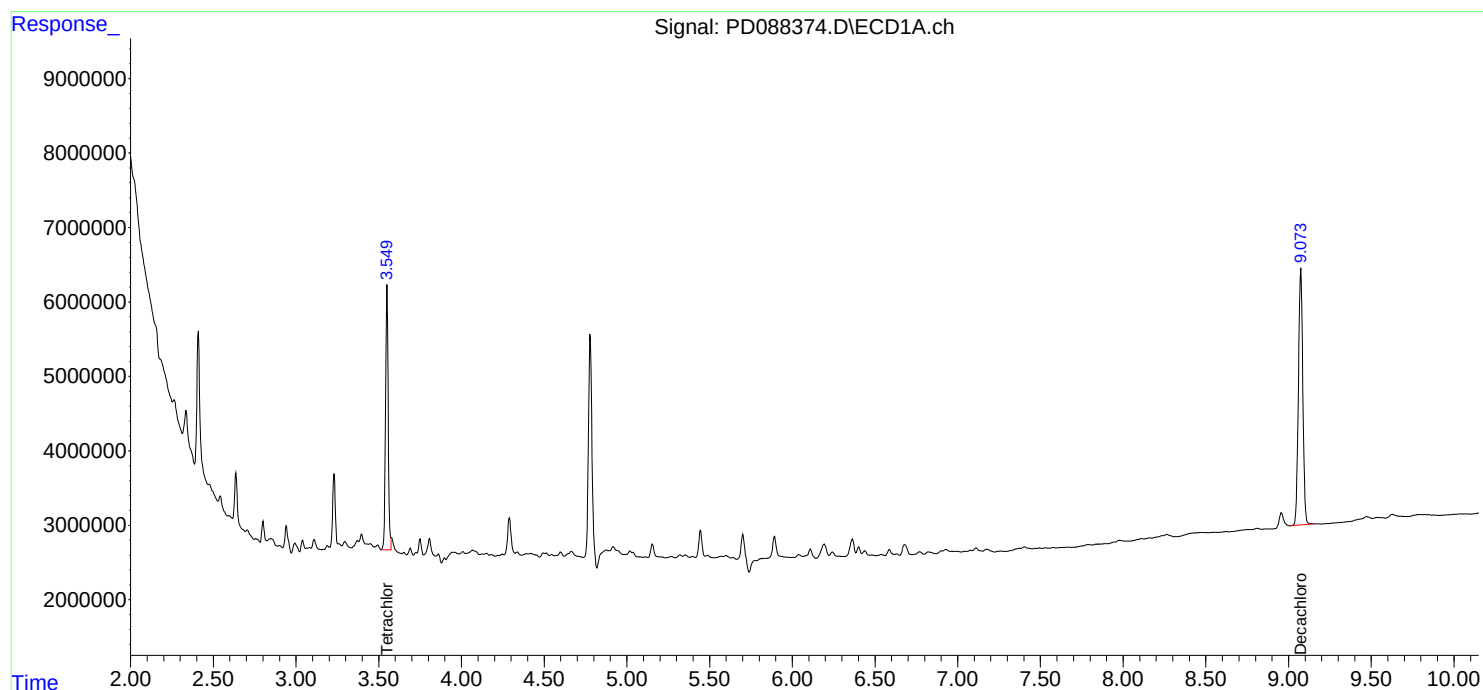
Instrument :
ECD_D
ClientSampleId :
WC-12-A-202504

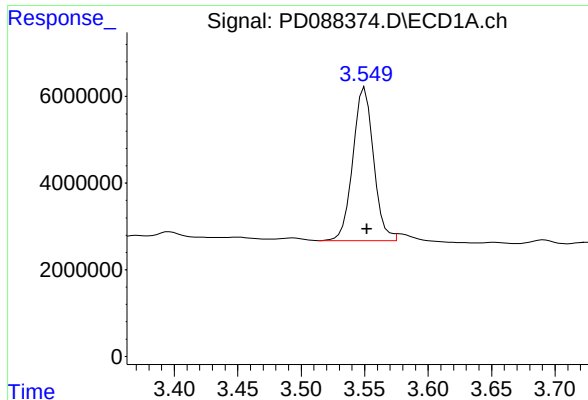
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/02/2025
Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





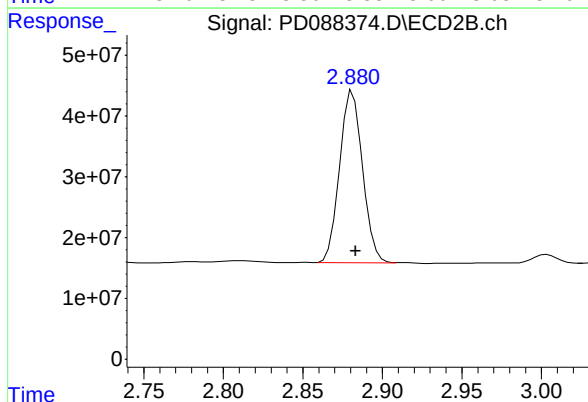
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.003 min
Response: 40081038
Conc: 20.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-12-A-202504

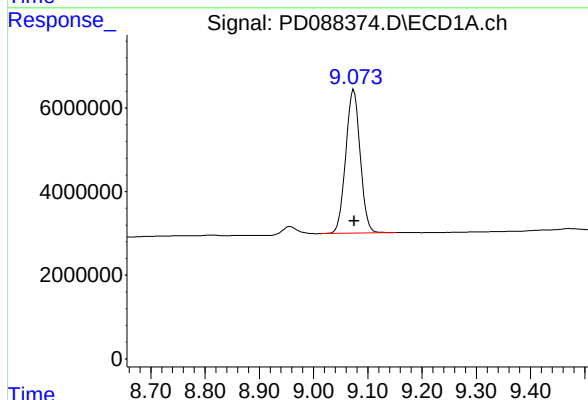
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



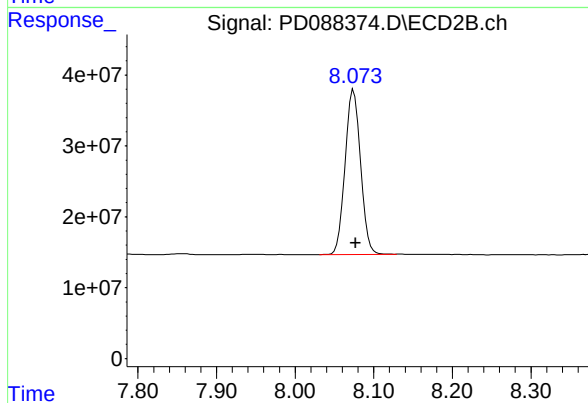
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.003 min
Response: 284692169
Conc: 19.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 63517080
Conc: 19.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 318827354
Conc: 17.25 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-13-S-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-03	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088413.D	1	05/02/25 12:44	05/05/25 10:12	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.11	U	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.1		43 - 140	70%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.6		77 - 126	113%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:12
Operator : AR\AJ
Sample : Q1913-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 19:33:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	45172119	255.4E6	22.615	17.470
28) SA Decachlor...	9.072	8.074	46488920	233.3E6	14.053	12.626

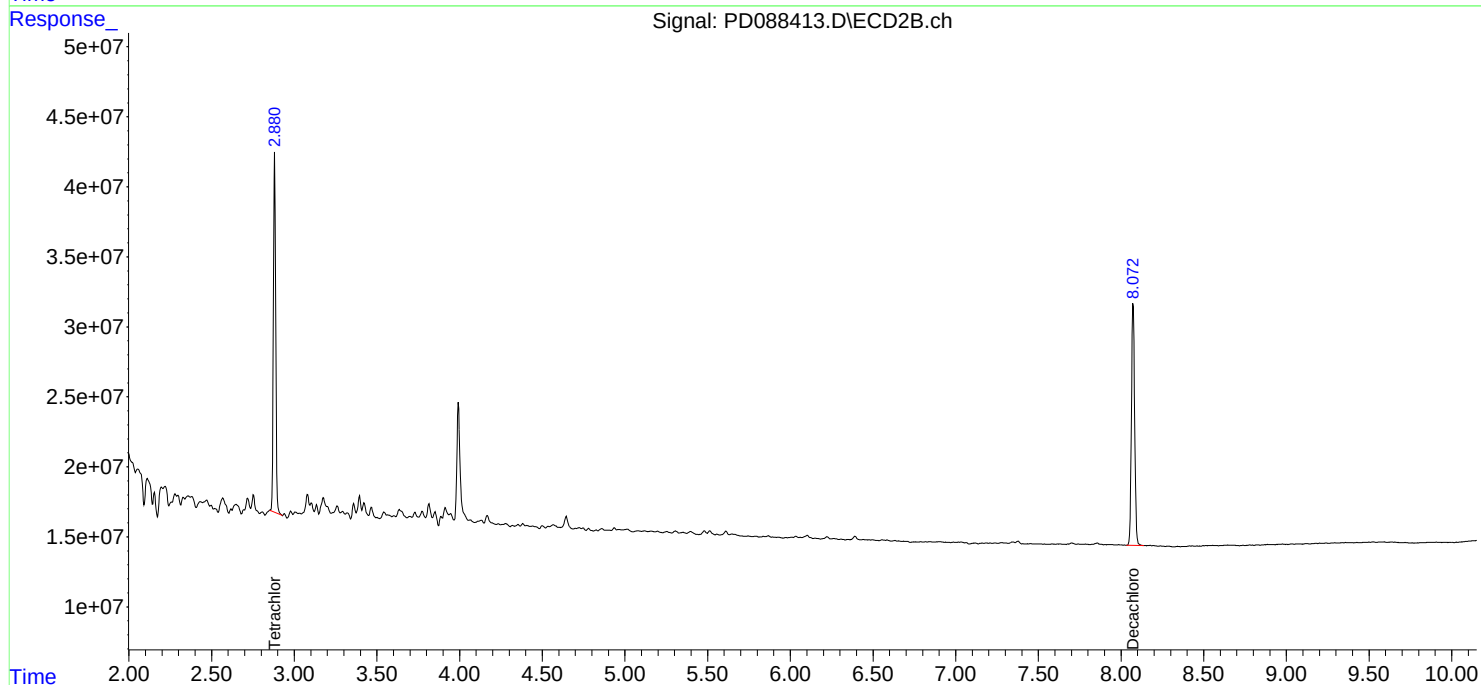
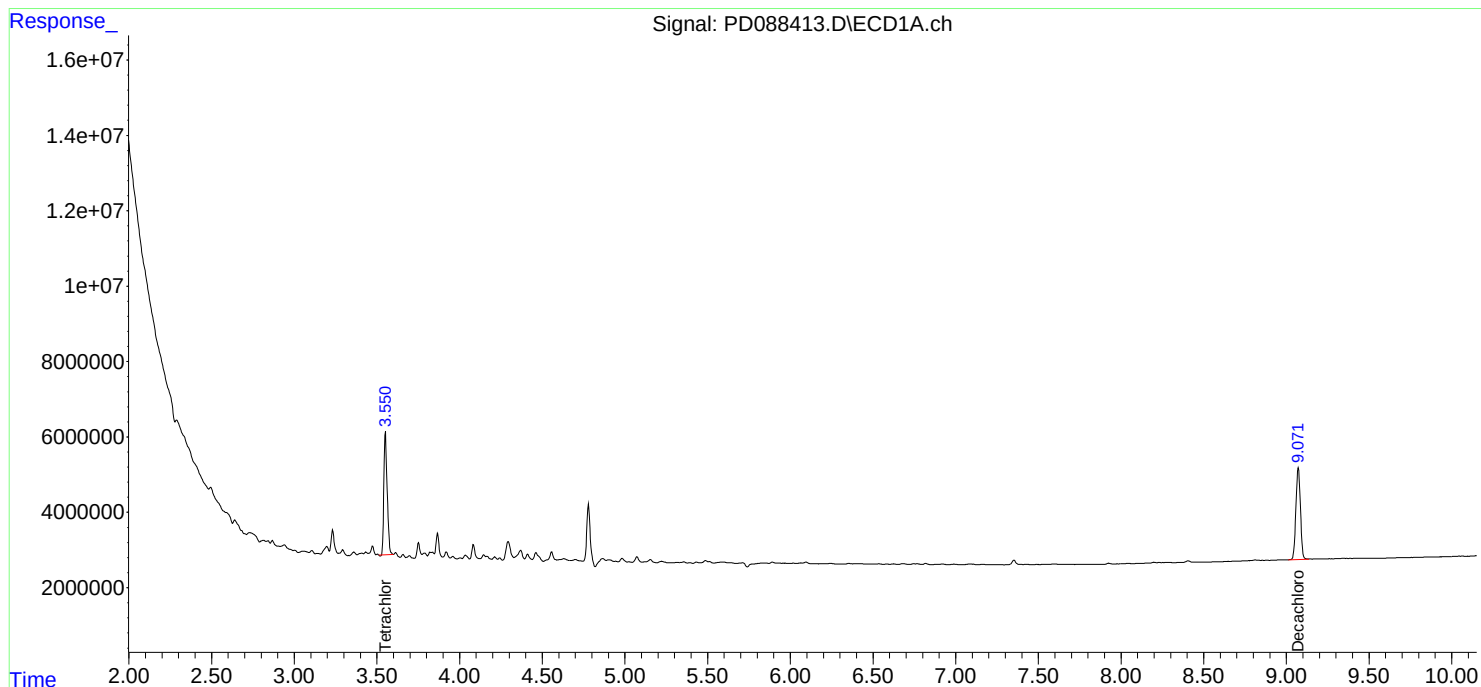
Target Compounds

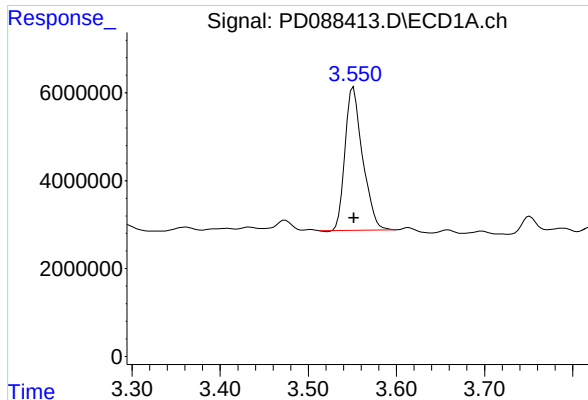
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088413.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:12
Operator : AR\AJ
Sample : Q1913-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 05 19:33:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

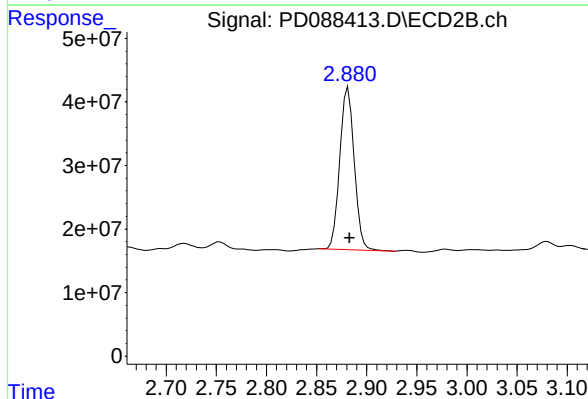
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





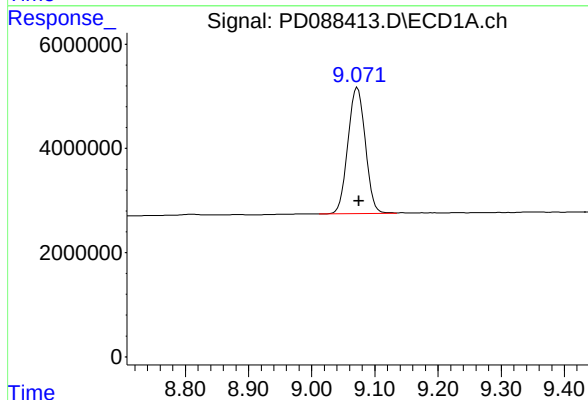
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 45172119
Conc: 22.62 ng/ml



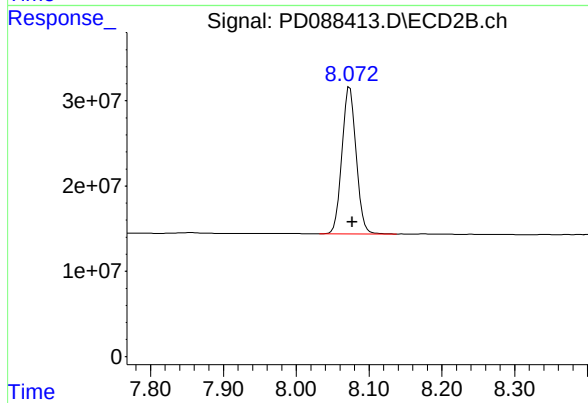
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 255437958
Conc: 17.47 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.002 min
Response: 46488920
Conc: 14.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 233316226
Conc: 12.63 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/29/25
Client Sample ID:	WC-13-A-202504	SDG No.:	Q1913
Lab Sample ID:	Q1913-04	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:			uL
Extraction Type:		Test:	TCLP Pesticide
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088375.D	1	05/01/25 08:56	05/01/25 14:47	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.037	U	0.037	0.50	ug/L
76-44-8	Heptachlor	0.027	U	0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	0.096	U	0.096	0.50	ug/L
72-20-8	Endrin	0.032	U	0.032	0.50	ug/L
72-43-5	Methoxychlor	0.12	J	0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.3		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.4		77 - 126	92%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088375.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 14:47
 Operator : AR\AJ
 Sample : Q1913-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-13-A-202504

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/02/2025
 Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.549	2.881	35438516	269.7E6	17.742m	18.447m
28) SA Decachlor...	9.074	8.075	63941225	307.5E6	19.329	16.641
Target Compounds						
13) MA Dieldrin	6.349	5.513	8999234	9270221	2.522m	0.465m#
20) A Methoxychlor	7.490	6.752	848852	10504108	0.566m	1.152m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088375.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:47
Operator : AR\AJ
Sample : Q1913-04
Misc :
ALS Vial : 11 Sample Multiplier: 1

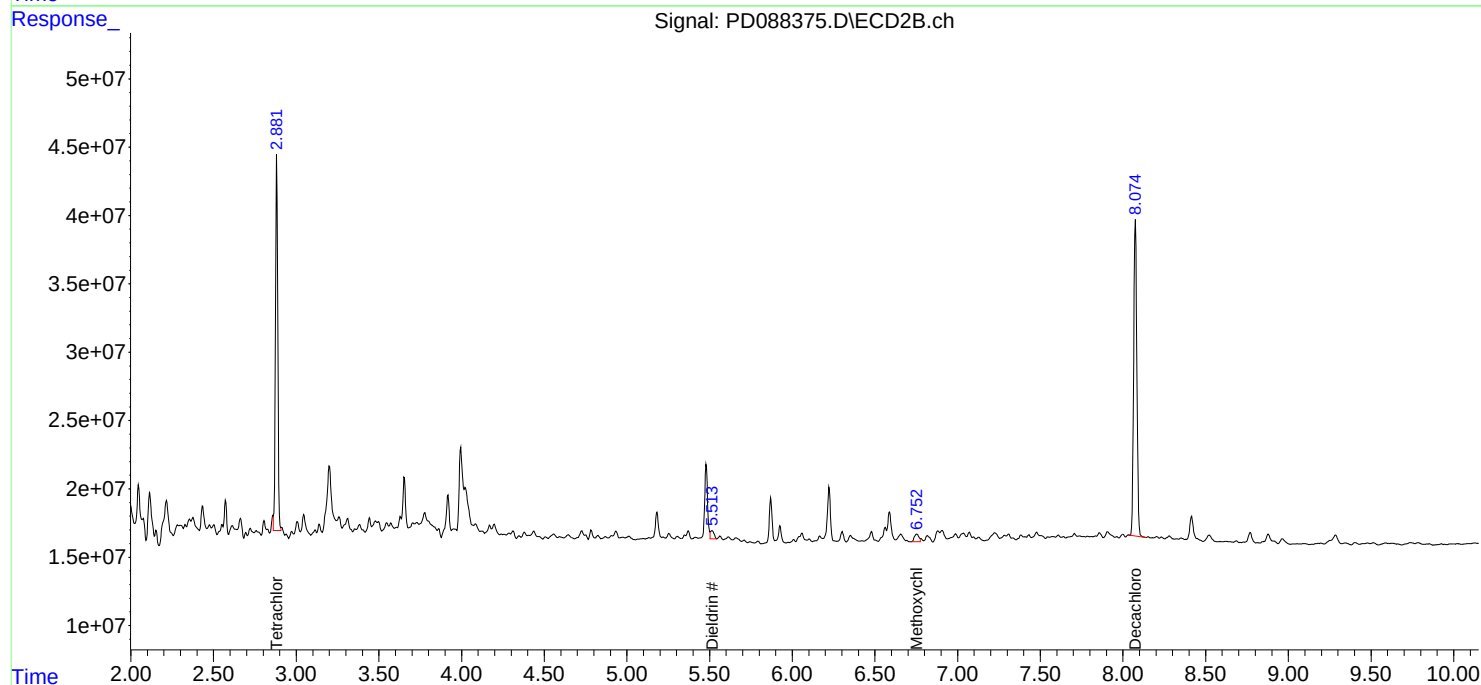
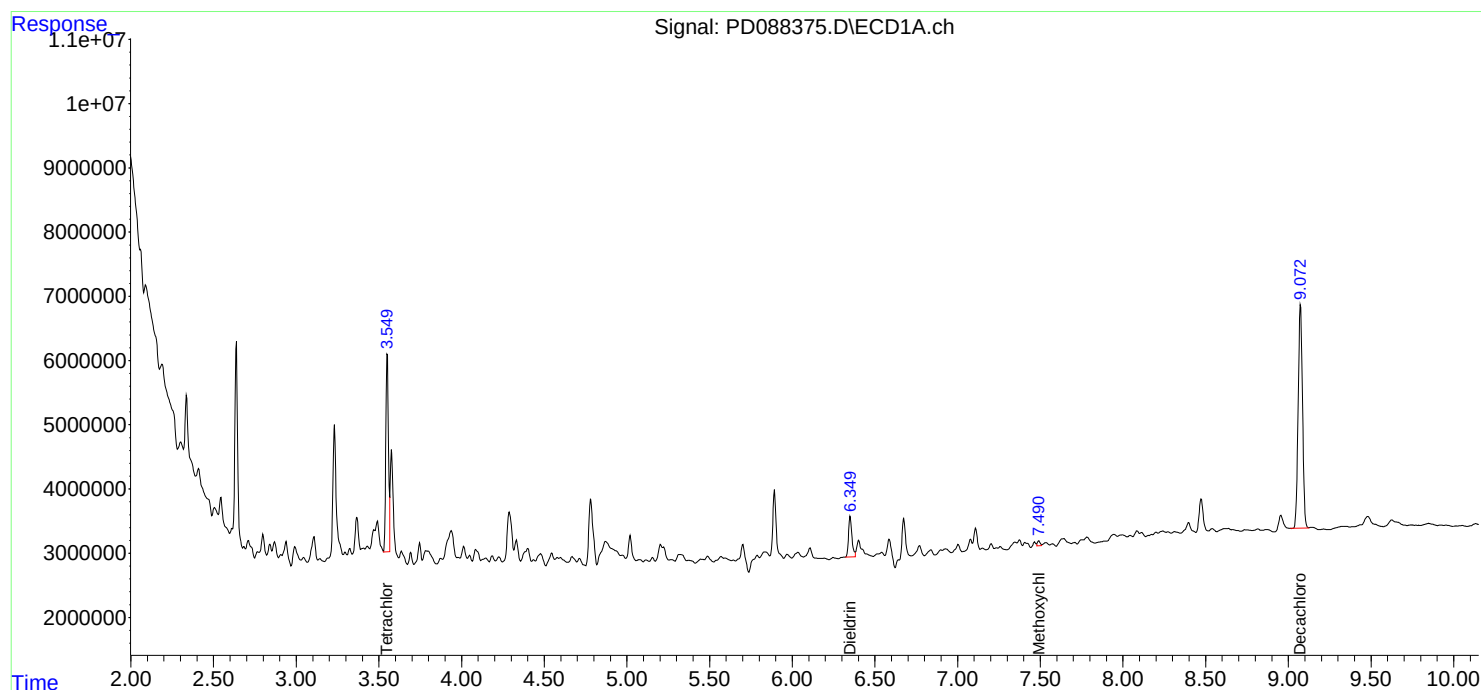
Instrument :
ECD_D
ClientSampleId :
WC-13-A-202504

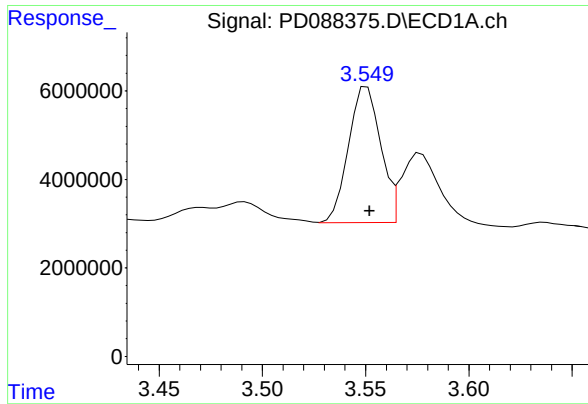
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/02/2025
Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:32:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





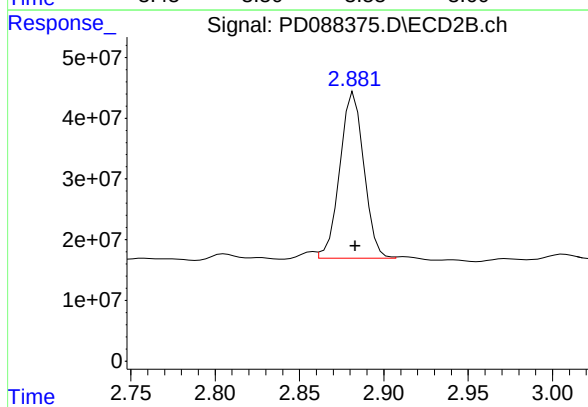
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
 Delta R.T.: -0.003 min
 Response: 35438516
 Conc: 17.74 ng/ml

Instrument :
 ECD_D
 ClientSampleId :
 WC-13-A-202504

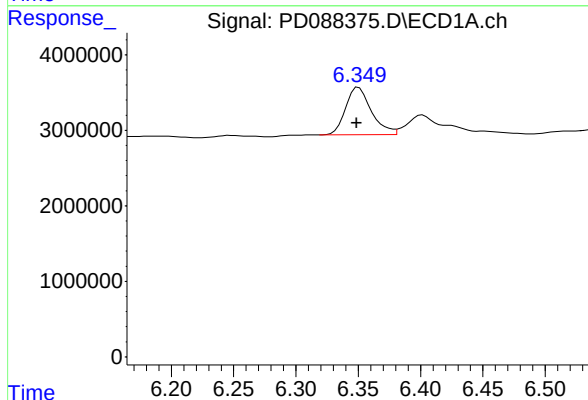
Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/02/2025
 Supervised By :mohammad ahmed 05/05/2025



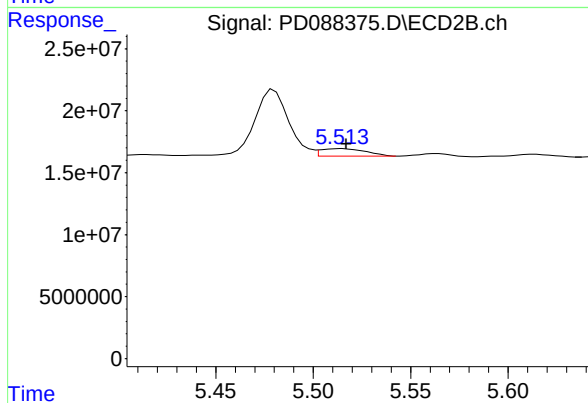
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
 Delta R.T.: -0.002 min
 Response: 269719314
 Conc: 18.45 ng/ml



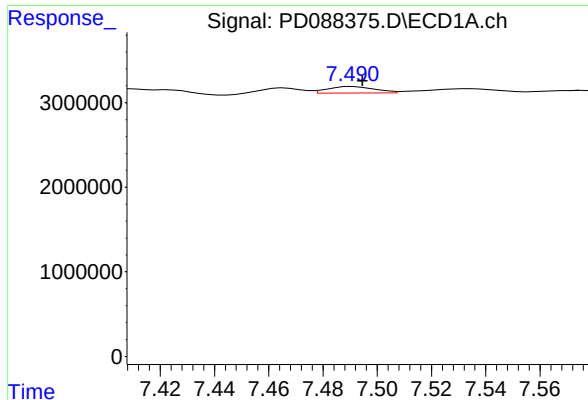
#13 Dieldrin

R.T.: 6.349 min
 Delta R.T.: 0.000 min
 Response: 8999234
 Conc: 2.52 ng/ml



#13 Dieldrin

R.T.: 5.513 min
 Delta R.T.: -0.004 min
 Response: 9270221
 Conc: 0.47 ng/ml



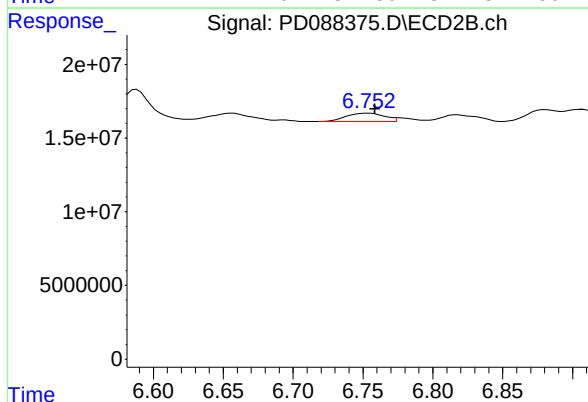
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.005 min
Response: 848852
Conc: 0.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-13-A-202504

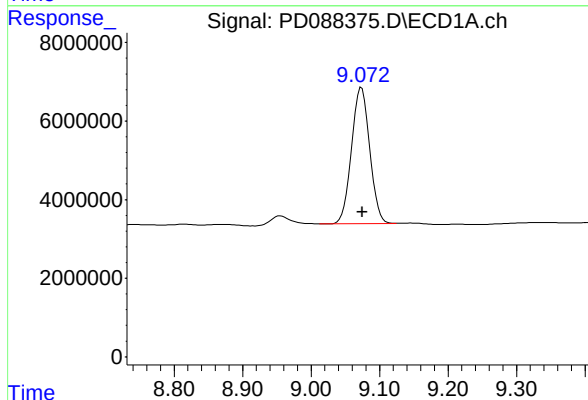
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



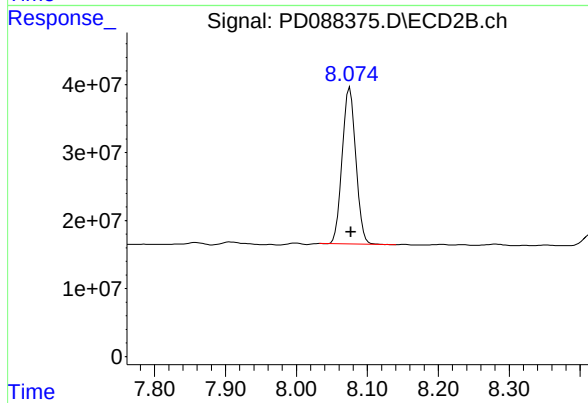
#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.006 min
Response: 10504108
Conc: 1.15 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 63941225
Conc: 19.33 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 307518328
Conc: 16.64 ng/ml



CALIBRATION SUMMARY

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract: AECO02
Lab Code: CHEM **Case No.:** Q1913 **SAS No.:** Q1913 **SDG NO.:** Q1913
Instrument ID: ECD_D **Calibration Date(s):** 04/18/2025 04/18/2025
Calibration Times: 13:56 14:51

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

LAB FILE ID:	RT 100 = <u>PD088124.D</u>	RT 075 = <u>PD088125.D</u>
RT 050 = <u>PD088126.D</u>	RT 025 = <u>PD088127.D</u>	RT 005 = <u>PD088128.D</u>

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW	
							FROM	TO
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
Heptachlor	4.10	4.09	4.09	4.09	4.09	4.09	3.99	4.19
Heptachlor epoxide	4.89	4.88	4.88	4.88	4.88	4.88	4.78	4.98
Methoxychlor	6.77	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Tetrachloro-m-xylene	2.90	2.88	2.88	2.88	2.88	2.89	2.79	2.99



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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =		<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
Heptachlor	4264490000	4159110000	3978190000	3781390000	4011590000	4038950000	5
Heptachlor epoxide	3670910000	3598060000	3486330000	3389810000	3724620000	3573950000	4
Methoxychlor	1461300000	1466360000	1467850000	1483290000	1618930000	1499540000	4
Tetrachloro-m-xylene	1982340000	2006790000	1938680000	1923660000	2135510000	1997400000	4



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Fax : 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_D

Calibration Date(s): 04/18/2025 04/18/2025

Calibration Times: 13:56 14:51

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

LAB FILE ID:		CF 100 =	<u>PD088124.D</u>	CF 075 =	<u>PD088125.D</u>		
CF 050 =		<u>PD088126.D</u>	CF 025 =	<u>PD088127.D</u>	CF 005 =	<u>PD088128.D</u>	
COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
Heptachlor	19826900000	20021500000	20522700000	21298800000	25320700000	21398100000	11
Heptachlor epoxide	17359900000	17576100000	18079700000	18879200000	22576700000	18894300000	11
Methoxychlor	8272330000	8467510000	8839240000	9290490000	10735700000	9121060000	11
Tetrachloro-m-xylene	13615300000	13685800000	14010800000	14551200000	17245000000	14621600000	10



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Fax : 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_D Date(s) Analyzed: 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	4.72	4.62	4.82	161995000
		2	5.24	5.14	5.34	160780000
		3	5.95	5.85	6.05	666185000
		4	6.03	5.93	6.13	797101000
		5	6.87	6.77	6.97	133051000
Toxaphene	500	1	6.24	6.14	6.34	23597900
		2	6.44	6.34	6.54	34064600
		3	7.15	7.05	7.25	65326300
		4	7.57	7.47	7.67	82045400
		5	7.93	7.83	8.03	47715200



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Instrument ID: ECD_D Date(s) Analyzed: 04/18/2025 04/18/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Chlordane	500	1	3.91	3.81	4.01	767527000
		2	4.49	4.39	4.59	783082000
		3	5.13	5.03	5.23	2396830000
		4	5.19	5.09	5.29	2031740000
		5	6.09	5.99	6.19	931551000
Toxaphene	500	1	5.48	5.38	5.58	130682000
		2	5.65	5.55	5.75	89513500
		3	6.76	6.66	6.86	417352000
		4	7.20	7.10	7.30	302911000
		5	7.33	7.23	7.43	207761000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088124.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:56
 Operator : AR\AJ
 Sample : PSTDICC100
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 04:25:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 04:25:16 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.900	198.2E6	1361.5E6	101.114	98.568
28) SA Decachlor...	9.075	8.093	308.1E6	1676.7E6	98.445	97.946
Target Compounds						
2) A alpha-BHC	4.001	3.413	478.3E6	2191.3E6	104.846	99.598
3) MA gamma-BHC...	4.332	3.749	450.7E6	2014.1E6	104.066	98.975
4) MA Heptachlor	4.931	4.103	426.4E6	1982.7E6	103.473	98.276
5) MB Aldrin	5.273	4.389	419.1E6	1944.0E6	103.451	98.579
6) B beta-BHC	4.516	4.045	160.4E6	847.4E6	100.801	97.843
7) B delta-BHC	4.765	4.282	444.5E6	2017.9E6	104.335	99.275
8) B Heptachlo...	5.693	4.892	367.1E6	1736.0E6	102.579	98.354m
9) A Endosulfan I	6.076	5.268	345.0E6	1644.8E6	102.166	97.631
10) B gamma-Chl...	5.947	5.146	375.8E6	1896.0E6	103.034	98.757
11) B alpha-Chl...	6.029	5.211	371.0E6	1819.3E6	102.498	98.477
12) B 4,4'-DDE	6.197	5.396	346.7E6	1834.5E6	103.381	98.584
13) MA Dieldrin	6.349	5.533	375.0E6	1853.7E6	103.019	98.382
14) MA Endrin	6.576	5.810	312.8E6	1675.6E6	103.179	97.930
15) B Endosulfa...	6.787	6.101	310.4E6	1601.0E6	101.581	97.777
16) A 4,4'-DDD	6.706	5.950	265.8E6	1515.5E6	103.156	97.940
17) MA 4,4'-DDT	7.023	6.204	292.3E6	1643.2E6	102.967	99.053
18) B Endrin al...	6.917	6.279	229.5E6	1206.4E6	101.060	97.405
19) B Endosulfa...	7.151	6.502	289.7E6	1562.9E6	101.567	97.534
20) A Methoxychlor	7.494	6.774	146.1E6	827.2E6	99.776	96.687
21) B Endrin ke...	7.631	7.011	312.9E6	1699.7E6	101.477	97.396
22) Mirex	8.115	7.205	219.9E6	1333.1E6	98.857	97.475

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088124.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:56
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC100

Manual Integrations

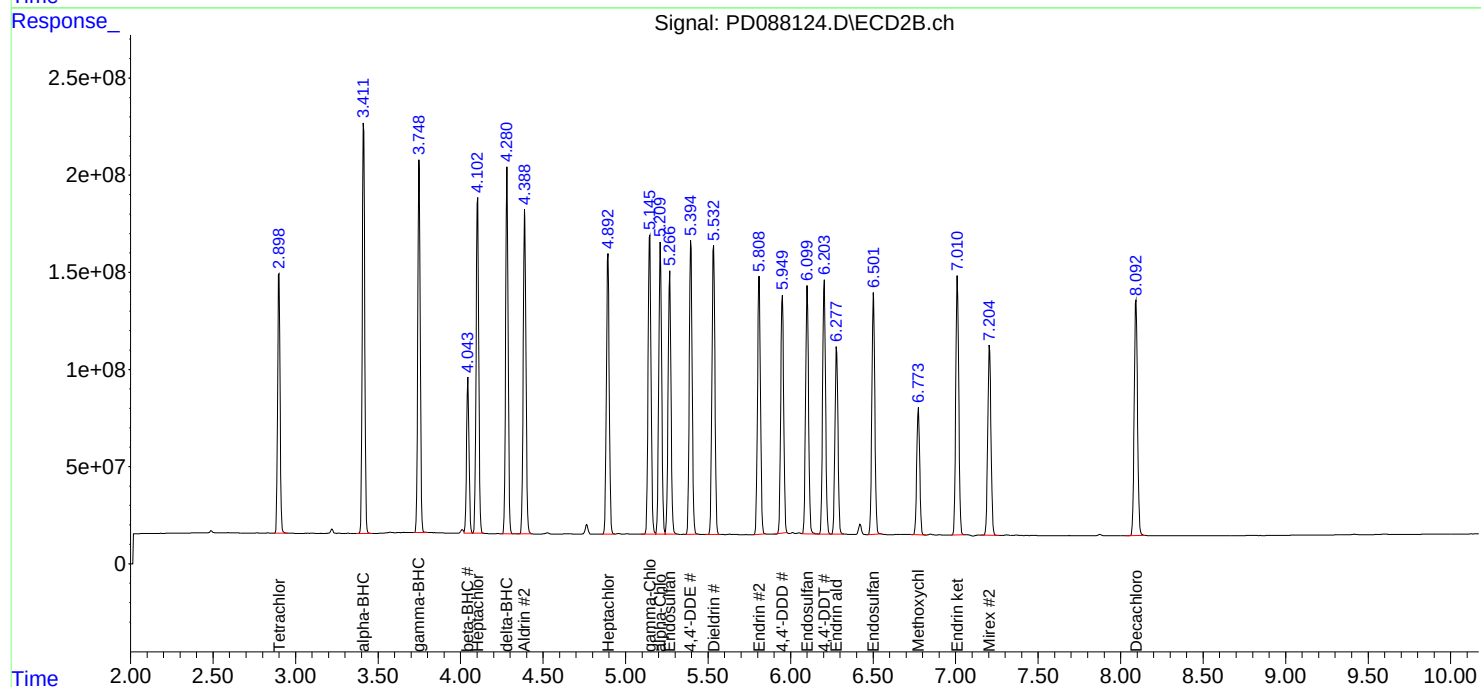
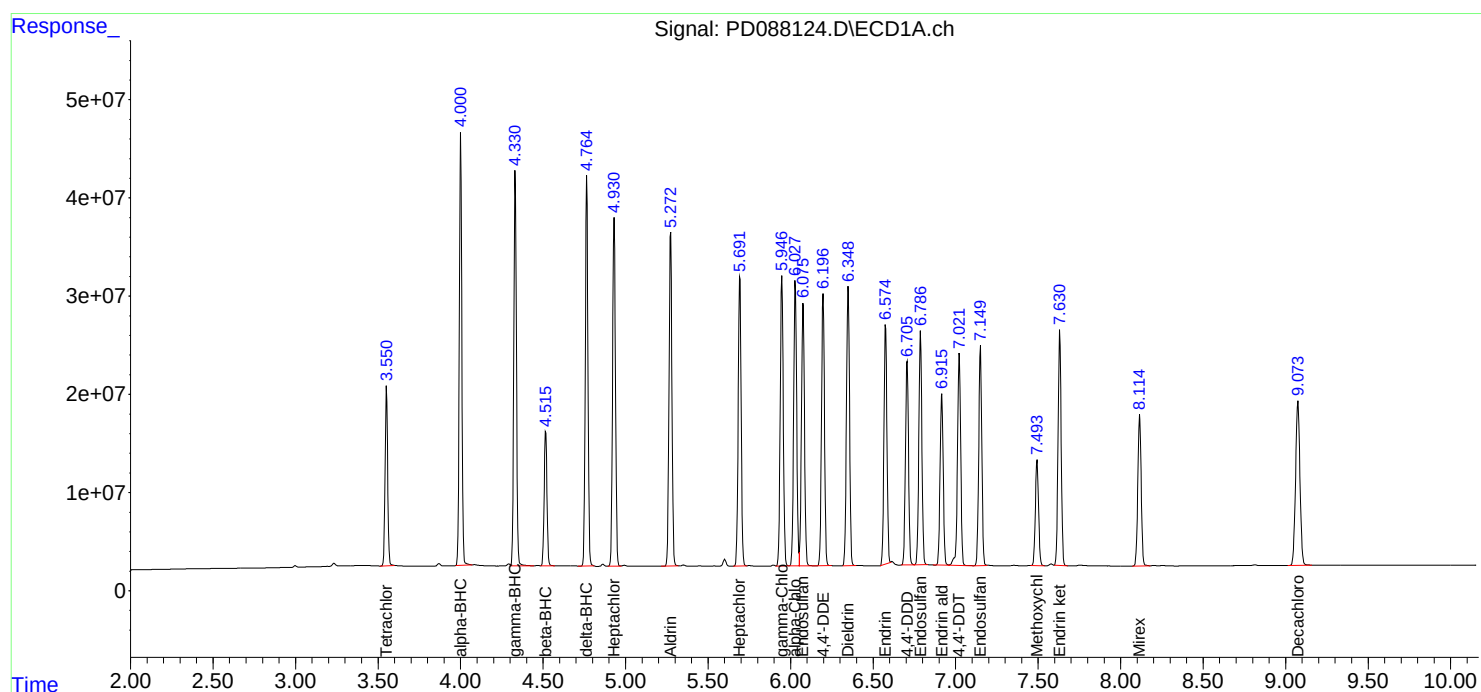
APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:25:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:25:16 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088125.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:10
 Operator : AR\AJ
 Sample : PSTDICC075
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC075

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 04:38:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 04:38:06 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	150.5E6	1026.4E6	76.770	74.309
28) SA Decachlor...	9.074	8.076	235.6E6	1282.4E6	75.279	74.910
Target Compounds						
2) A alpha-BHC	4.001	3.396	344.5E6	1637.3E6	75.524	74.417
3) MA gamma-BHC...	4.332	3.732	327.4E6	1517.0E6	75.589	74.548
4) MA Heptachlor	4.931	4.086	311.9E6	1501.6E6	75.687	74.430
5) MB Aldrin	5.273	4.372	305.2E6	1470.4E6	75.338	74.562
6) B beta-BHC	4.516	4.028	119.2E6	643.1E6	74.880	74.260
7) B delta-BHC	4.765	4.265	321.2E6	1514.3E6	75.391	74.502
8) B Heptachlo...	5.693	4.876	269.9E6	1318.2E6	75.407	74.392
9) A Endosulfan I	6.076	5.251	254.8E6	1255.1E6	75.455	74.495
10) B gamma-Chl...	5.948	5.130	277.4E6	1429.7E6	76.052	74.470
11) B alpha-Chl...	6.029	5.195	271.9E6	1376.2E6	75.106	74.493
12) B 4,4'-DDE	6.197	5.379	264.5E6	1393.5E6	78.883	74.883
13) MA Dieldrin	6.349	5.517	274.2E6	1403.5E6	75.327	74.488
14) MA Endrin	6.576	5.793	230.8E6	1275.1E6	76.125	74.523
15) B Endosulfa...	6.788	6.084	229.6E6	1217.8E6	75.122	74.374
16) A 4,4'-DDD	6.706	5.934	194.0E6	1155.3E6	75.311	74.663
17) MA 4,4'-DDT	7.022	6.188	215.1E6	1237.2E6	75.763	74.584
18) B Endrin al...	6.916	6.263	170.1E6	920.9E6	74.896	74.348
19) B Endosulfa...	7.151	6.486	213.5E6	1192.6E6	74.839	74.424
20) A Methoxychlor	7.494	6.759	110.0E6	635.1E6	75.092	74.226
21) B Endrin ke...	7.631	6.995	230.5E6	1294.9E6	74.768	74.201
22) Mirex	8.115	7.189	164.0E6	1014.9E6	73.732	74.208

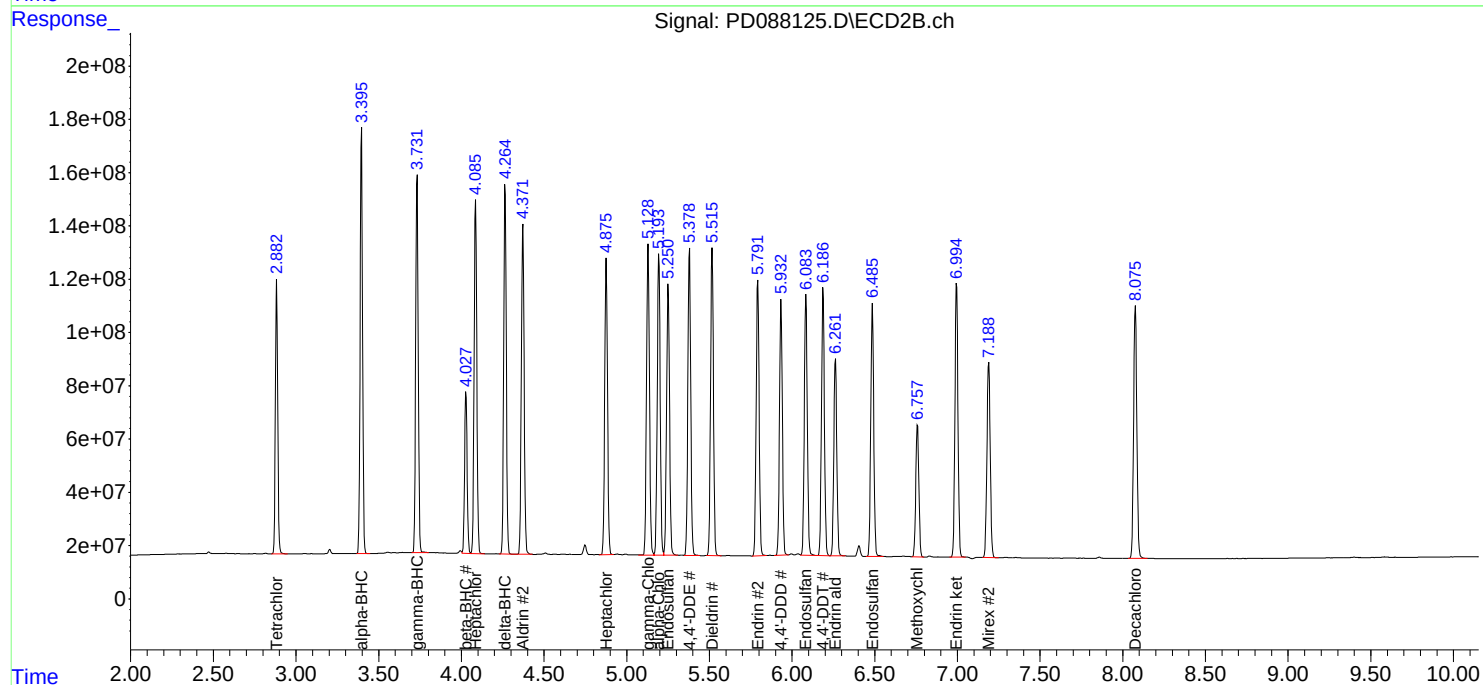
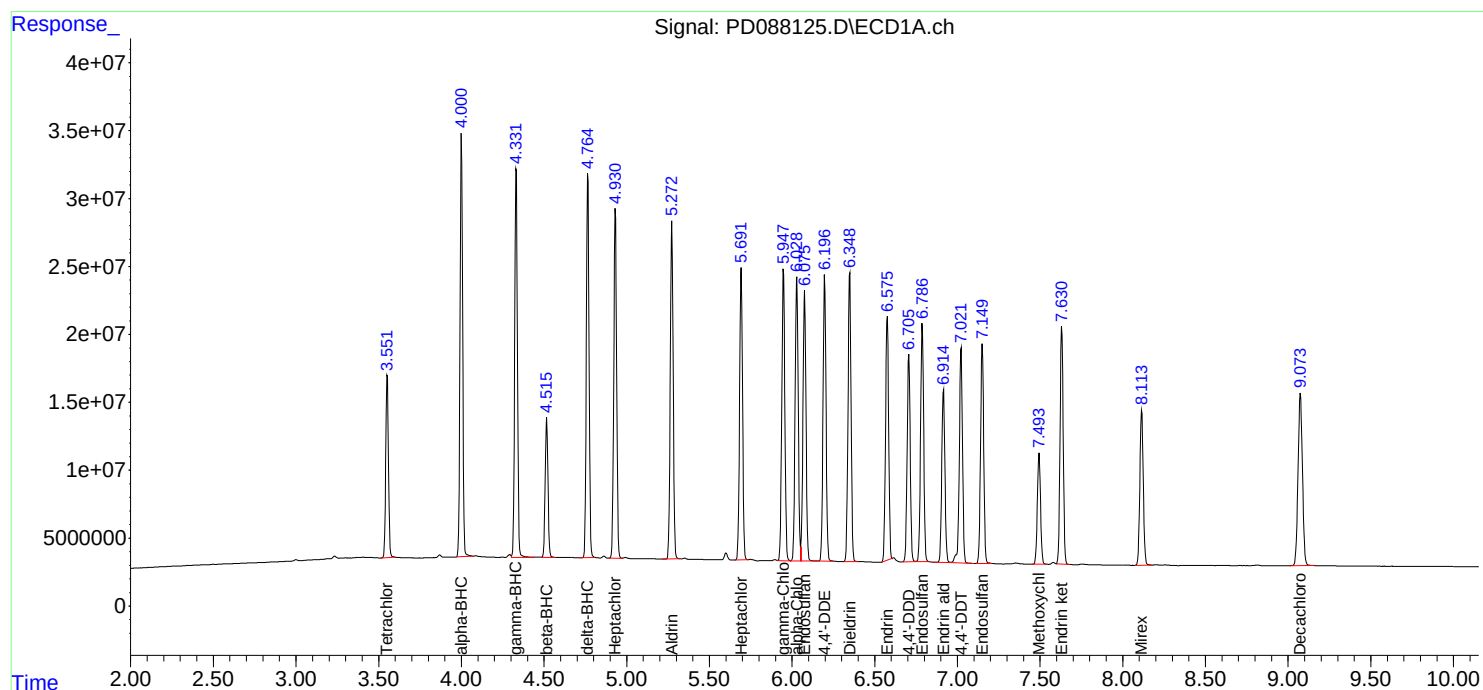
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 04:38:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 04:38:06 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088126.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:24
 Operator : AR\AJ
 Sample : PSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:52:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.883	96933779	700.5E6	50.000	50.000
28)	SA Decachlor...	9.075	8.077	158.9E6	873.5E6	50.000	50.000
Target Compounds							
2)	A alpha-BHC	4.001	3.396	217.0E6	1104.5E6	50.000	50.000
3)	MA gamma-BHC...	4.332	3.733	207.8E6	1027.9E6	50.000	50.000
4)	MA Heptachlor	4.931	4.086	198.9E6	1026.1E6	50.000	50.000
5)	MB Aldrin	5.273	4.373	195.6E6	1000.0E6	50.000	50.000
6)	B beta-BHC	4.516	4.028	78949582	442.4E6	50.000	50.000
7)	B delta-BHC	4.765	4.265	203.8E6	1023.7E6	50.000	50.000
8)	B Heptachlo...	5.692	4.877	174.3E6	904.0E6	50.000	50.000
9)	A Endosulfan I	6.076	5.251	165.2E6	862.3E6	50.000	50.000
10)	B gamma-Chl...	5.947	5.130	176.8E6	971.9E6	50.000	50.000
11)	B alpha-Chl...	6.029	5.194	176.5E6	937.8E6	50.000	50.000
12)	B 4,4'-DDE	6.197	5.380	162.0E6	943.6E6	50.000	50.000
13)	MA Dieldrin	6.349	5.517	176.5E6	957.3E6	50.000	50.000
14)	MA Endrin	6.576	5.793	146.8E6	873.2E6	50.000	50.000
15)	B Endosulfa...	6.787	6.084	150.4E6	836.9E6	50.000	50.000
16)	A 4,4'-DDD	6.706	5.934	124.8E6	789.6E6	50.000	50.000
17)	MA 4,4'-DDT	7.022	6.188	137.8E6	837.3E6	50.000	50.000
18)	B Endrin al...	6.916	6.263	112.3E6	635.4E6	50.000	50.000
19)	B Endosulfa...	7.150	6.486	140.4E6	821.0E6	50.000	50.000
20)	A Methoxychlor	7.495	6.759	73392410	442.0E6	50.000	50.000
21)	B Endrin ke...	7.631	6.995	151.9E6	895.3E6	50.000	50.000
22)	Mirex	8.115	7.190	112.5E6	701.1E6	50.000	50.000

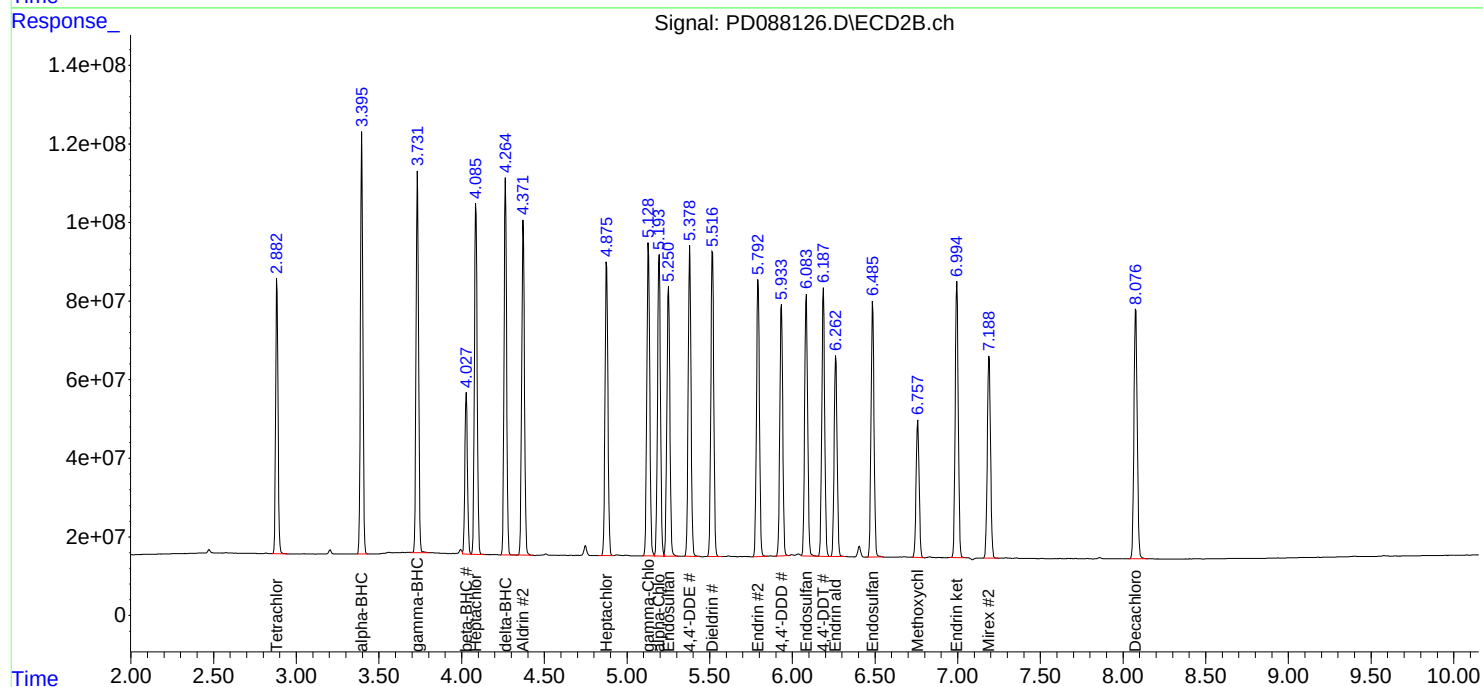
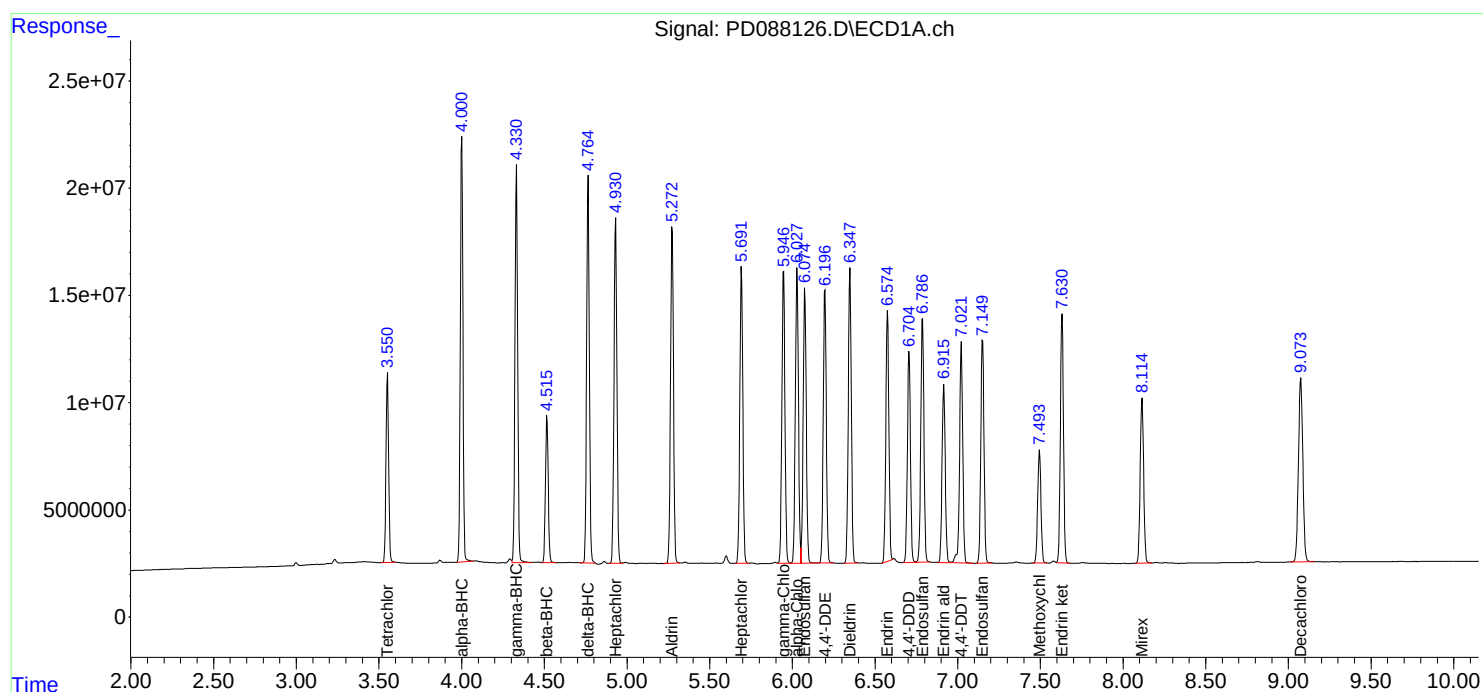
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:52:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088127.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:37
 Operator : AR\AJ
 Sample : PSTDICC025
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDICC025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.883	48091567	363.8E6	24.806	25.964
28)	SA Decachlor...	9.075	8.076	82258935	459.7E6	25.883	26.313
Target Compounds							
2)	A alpha-BHC	4.001	3.396	99341615	563.0E6	22.886	25.485
3)	MA gamma-BHC...	4.332	3.733	97186739	528.4E6	23.390	25.704
4)	MA Heptachlor	4.932	4.087	94534629	532.5E6	23.763	25.945
5)	MB Aldrin	5.273	4.373	92978704	517.9E6	23.769	25.894
6)	B beta-BHC	4.516	4.028	39603540	232.3E6	25.082	26.257
7)	B delta-BHC	4.765	4.265	96272367	525.8E6	23.621	25.682
8)	B Heptachlo...	5.693	4.877	84745348	472.0E6	24.308	26.106
9)	A Endosulfan I	6.076	5.251	80453509	451.6E6	24.350	26.184
10)	B gamma-Chl...	5.948	5.130	85075416	502.2E6	24.058	25.835
11)	B alpha-Chl...	6.029	5.194	85660342	486.4E6	24.270	25.934
12)	B 4,4'-DDE	6.198	5.380	76777577	489.5E6	23.696	25.940
13)	MA Dieldrin	6.349	5.517	84286018	497.2E6	23.874	25.966
14)	MA Endrin	6.576	5.793	70161483	455.4E6	23.901	26.075
15)	B Endosulfa...	6.788	6.085	74367338	438.3E6	24.727	26.186
16)	A 4,4'-DDD	6.707	5.934	59400090	409.0E6	23.808	25.900
17)	MA 4,4'-DDT	7.023	6.188	65746503	426.6E6	23.864	25.475
18)	B Endrin al...	6.917	6.263	55861887	333.7E6	24.862	26.261
19)	B Endosulfa...	7.151	6.487	69350501	430.0E6	24.701	26.189
20)	A Methoxychlor	7.495	6.759	37082247	232.3E6	25.263	26.276
21)	B Endrin ke...	7.632	6.995	74459471	469.5E6	24.513	26.222
22)	Mirex	8.116	7.190	58667661	372.6E6	26.079	26.570

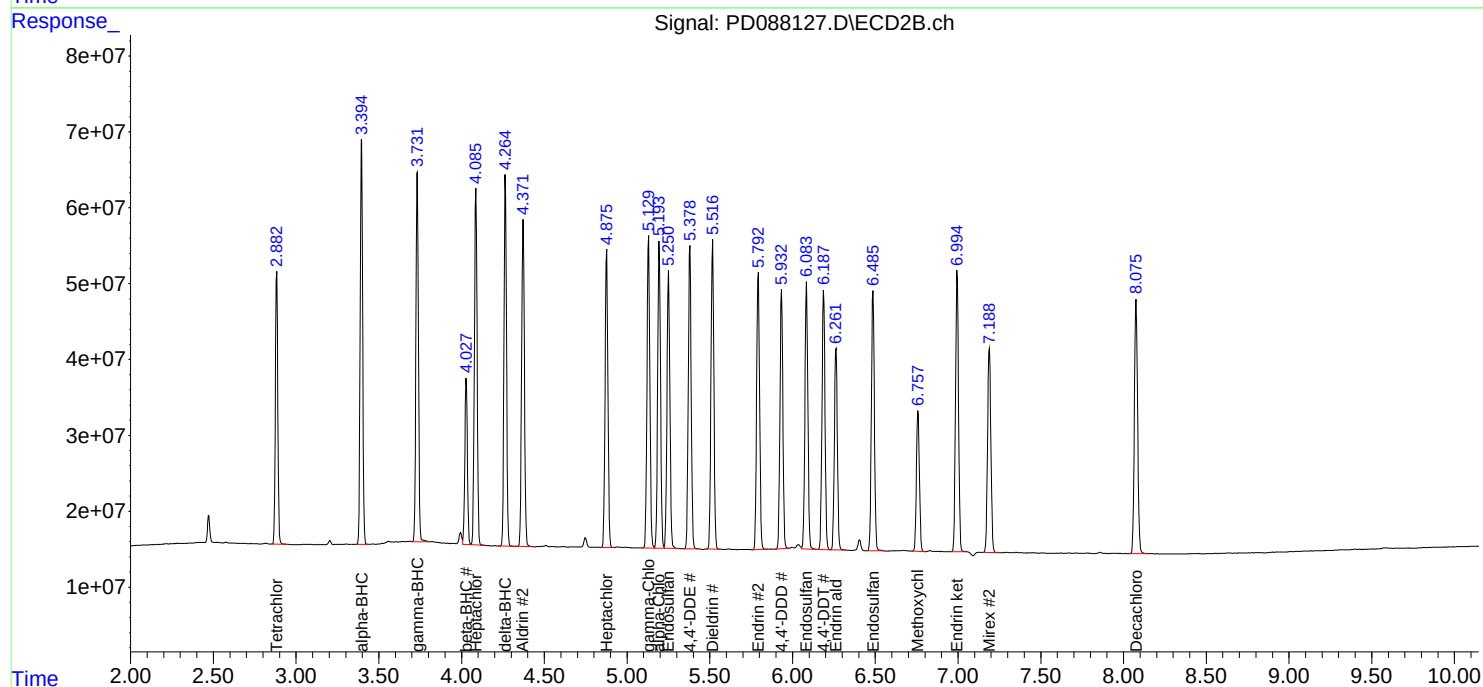
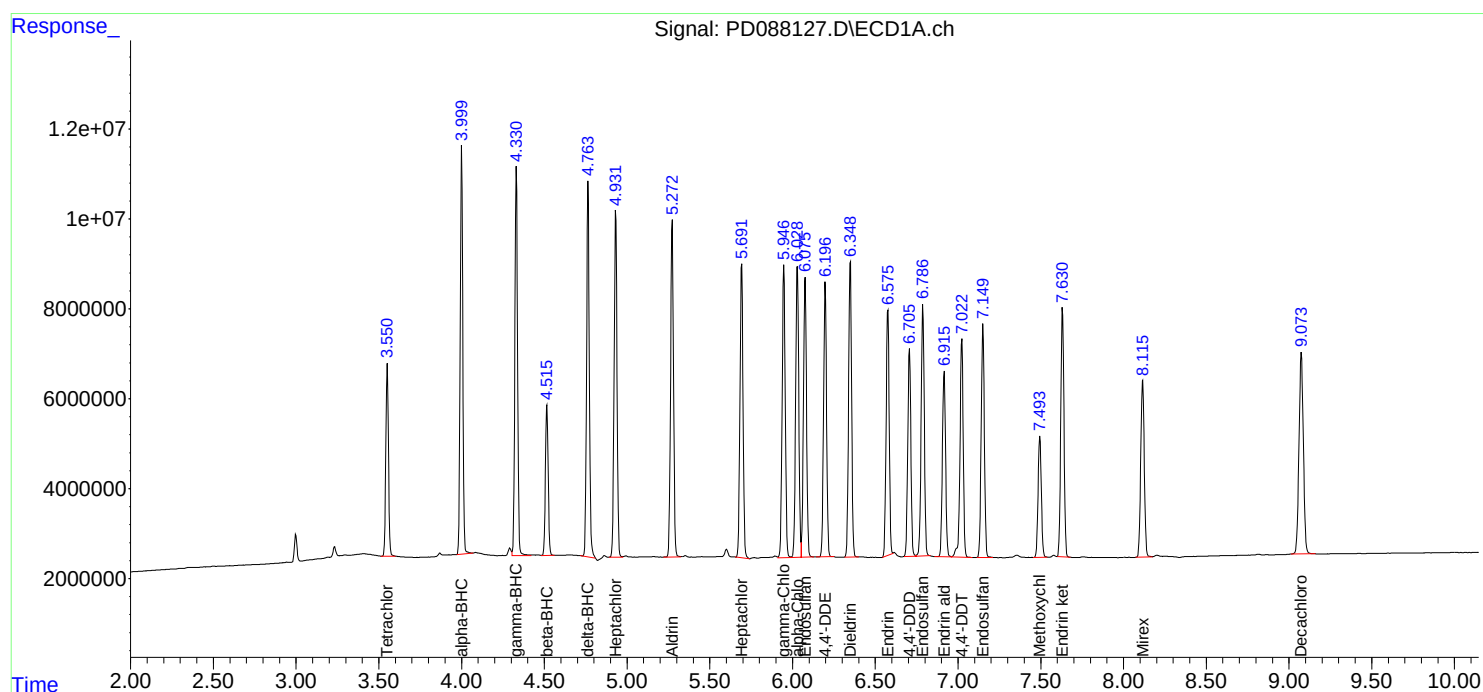
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088128.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 14:51
 Operator : AR\AJ
 Sample : PSTDICC005
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	10677571	86225193	5.508	6.154
28) SA Decachlor...	9.075	8.076	19250443	113.4E6	6.057	6.490
Target Compounds						
2) A alpha-BHC	4.001	3.396	19344032	129.8E6	4.456	5.874 #
3) MA gamma-BHC...	4.332	3.733	20113508	128.2E6	4.841	6.234 #
4) MA Heptachlor	4.931	4.086	20057945	126.6E6	5.042	6.169
5) MB Aldrin	5.273	4.372	19278191	121.3E6	4.928	6.063
6) B beta-BHC	4.516	4.028	8800396	55407278	5.573	6.262
7) B delta-BHC	4.764	4.265	19851779	122.2E6	4.871m	5.967
8) B Heptachlo...	5.693	4.876	18623118	112.9E6	5.342	6.244
9) A Endosulfan I	6.076	5.251	17577772	107.8E6	5.320	6.253
10) B gamma-Chl...	5.948	5.130	18576714	119.7E6	5.253	6.157
11) B alpha-Chl...	6.029	5.194	18782686	116.3E6	5.322	6.201
12) B 4,4'-DDE	6.197	5.379	15929607	115.5E6	4.916	6.117
13) MA Dieldrin	6.349	5.517	17671896	116.9E6	5.006	6.106
14) MA Endrin	6.576	5.793	14827210	107.9E6	5.051	6.177
15) B Endosulfa...	6.787	6.084	17419714	105.5E6	5.792	6.301
16) A 4,4'-DDD	6.706	5.933	12295875	96096151	4.928	6.085
17) MA 4,4'-DDT	7.022	6.188	13556042	91724476	4.921	5.478
18) B Endrin al...	6.916	6.262	12478868	80534454	5.554	6.338
19) B Endosulfa...	7.151	6.486	15272374	102.6E6	5.440	6.248
20) A Methoxychlor	7.495	6.758	8094629	53678604	5.515	6.073
21) B Endrin ke...	7.631	6.995	16074498	112.9E6	5.292	6.304
22) Mirex	8.116	7.189	13799458	91589011	6.134	6.532

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088128.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:51
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDICC005

Manual Integrations

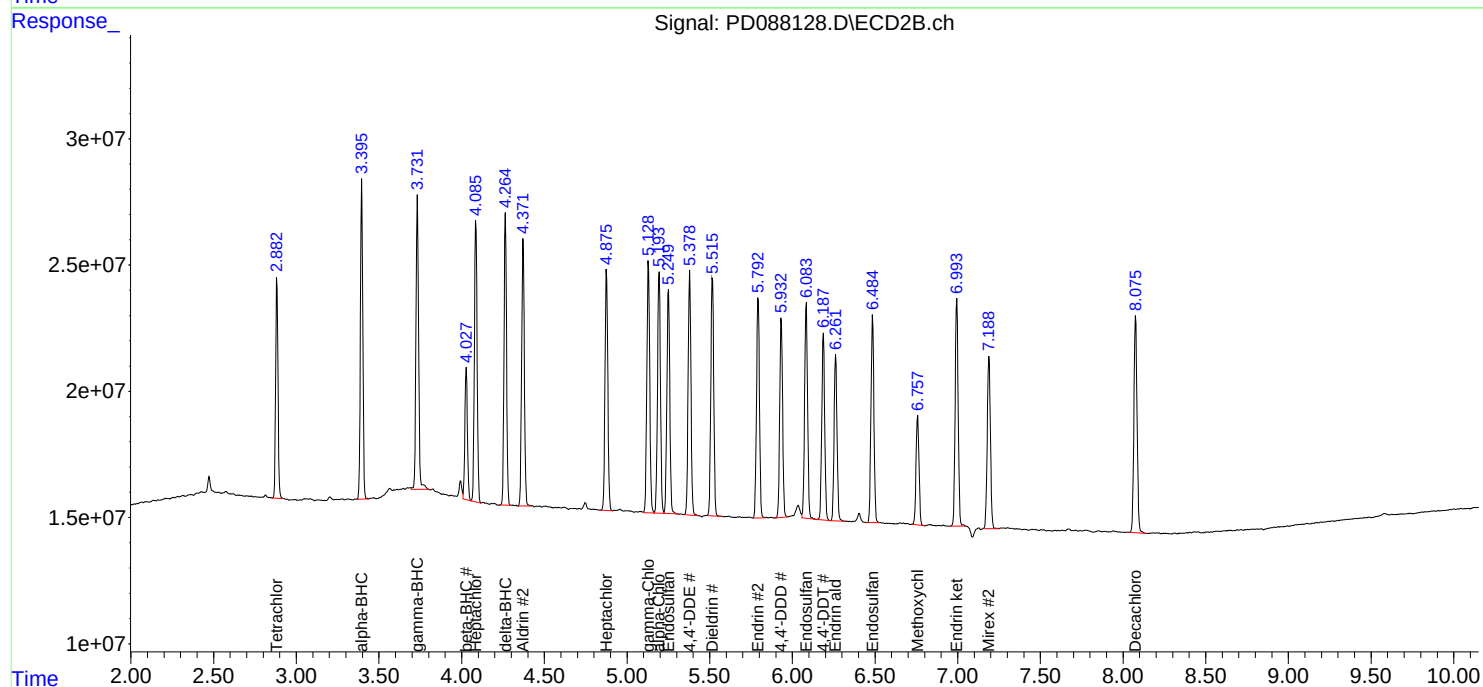
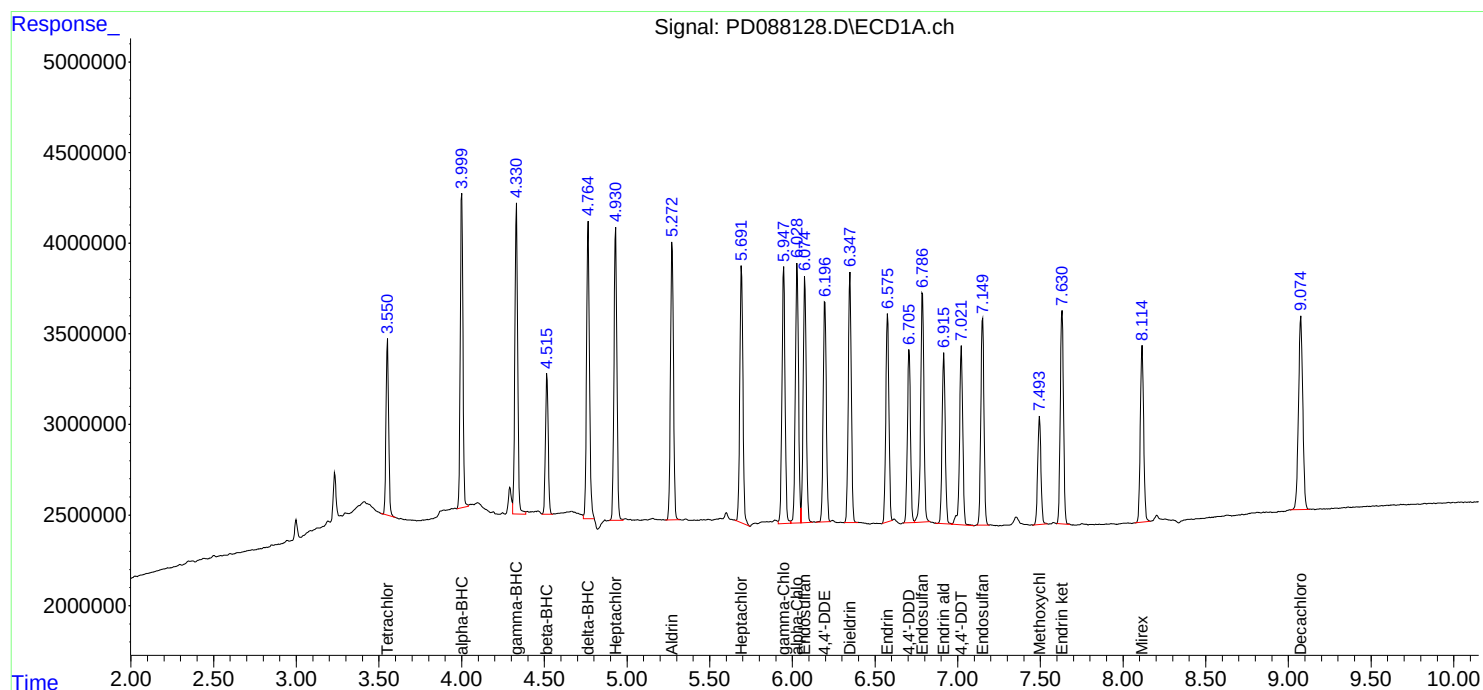
APPROVED

Reviewed By :Abdul Mirza 04/19/2025

Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088131.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 15:32
 Operator : AR\AJ
 Sample : PCHLORICC500
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PCHLORICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 05:48:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 05:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.883	96235160	865.8E6	50.000	50.000
28)	SA Decachlor...	9.074	8.077	154.6E6	878.3E6	50.000	50.000
Target Compounds							
23)	Chlordane-1	4.717	3.909	80997430	383.8E6	500.000	500.000
24)	Chlordane-2	5.243	4.491	80390039	391.5E6	500.000	500.000
25)	Chlordane-3	5.948	5.130	333.1E6	1198.4E6	500.000	500.000
26)	Chlordane-4	6.034	5.194	398.6E6	1015.9E6	500.000	500.000
27)	Chlordane-5	6.873	6.094	66525644	465.8E6	500.000	500.000

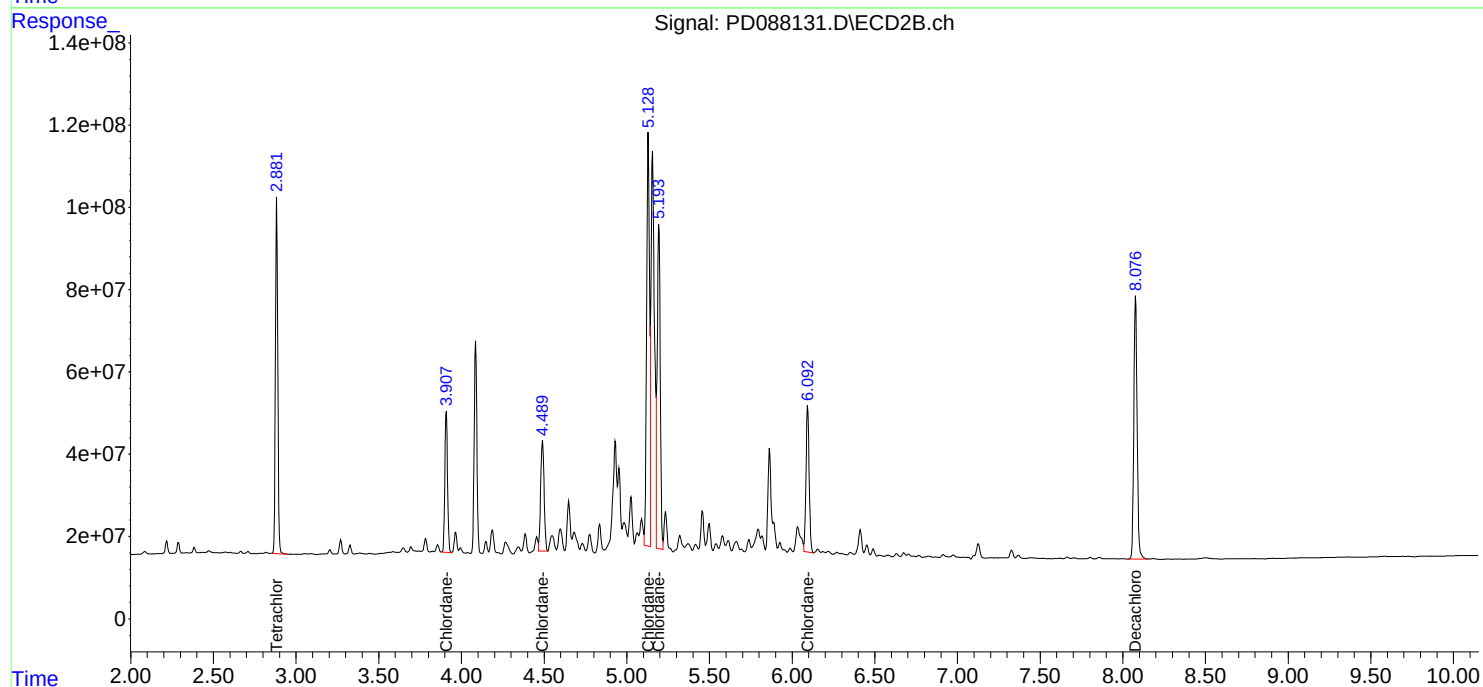
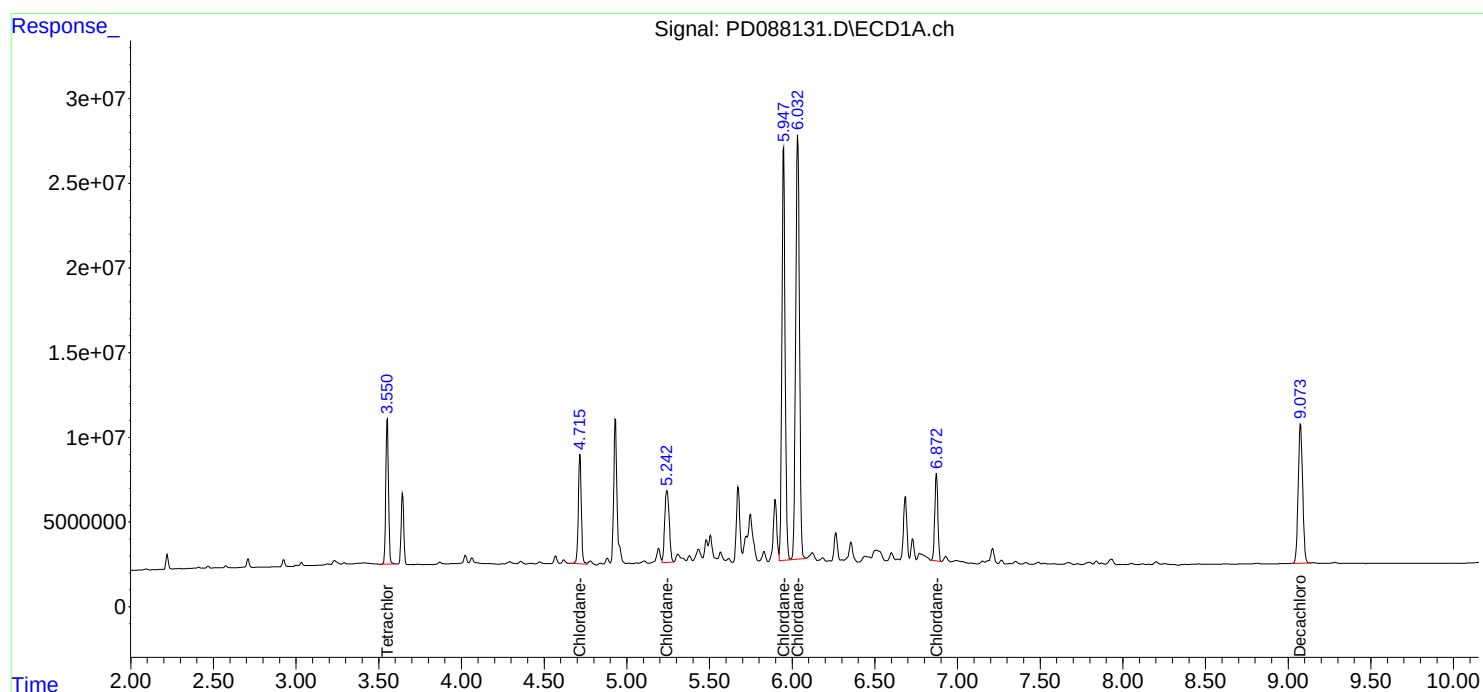
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088136.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 16:40
 Operator : AR\AJ
 Sample : PTOXICC500
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PTOXICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:17:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:16:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

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

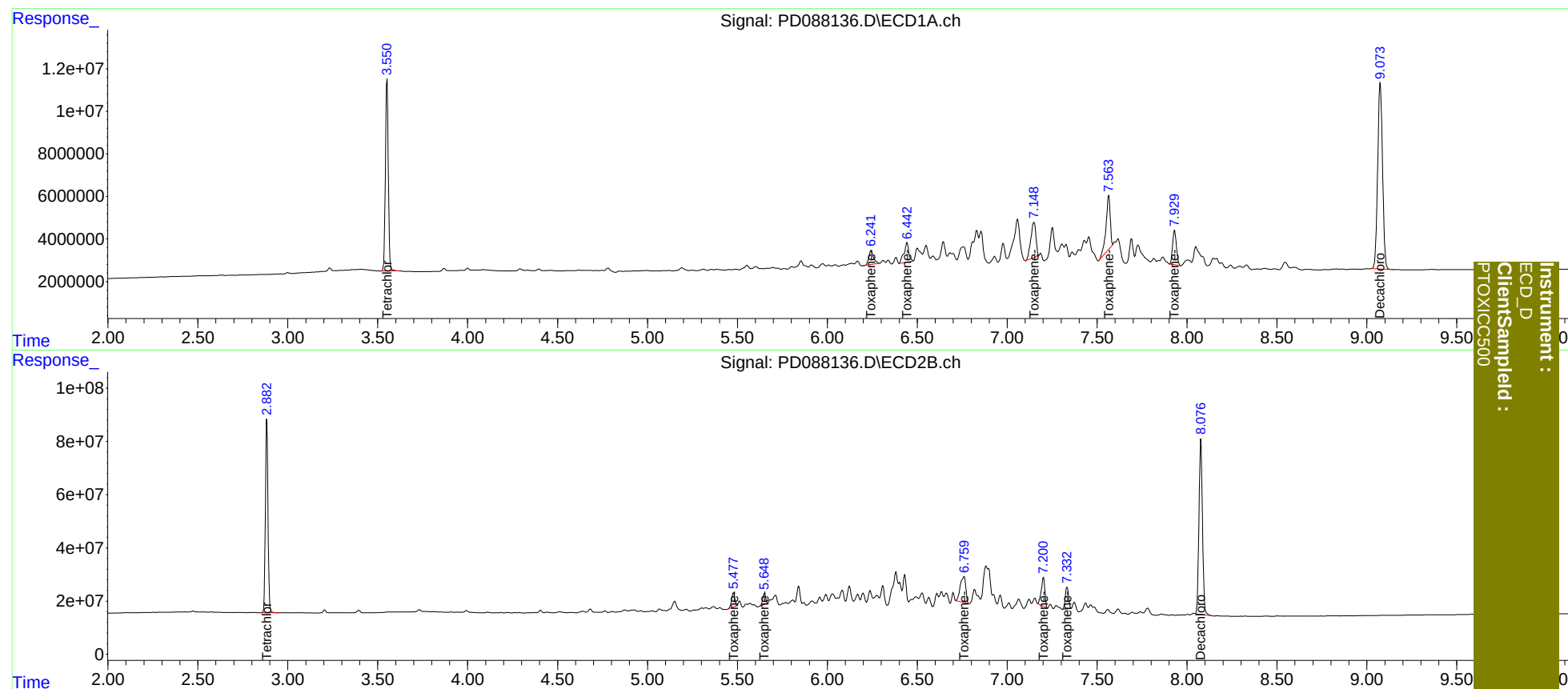
System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	101.0E6	721.8E6	50.000	50.000
7) SA Decachlor...	9.074	8.077	164.9E6	890.5E6	50.000	50.000
Target Compounds						
2) Toxaphene-1	6.243	5.479	11798963	65341019	500.000	500.000
3) Toxaphene-2	6.443	5.650	17032300	44756730	500.000	500.000
4) Toxaphene-3	7.149	6.760	32663151	208.7E6	500.000	500.000
5) Toxaphene-4	7.565	7.202	41022693	151.5E6	500.000	500.000
6) Toxaphene-5	7.931	7.333	23857581	103.9E6	500.000	500.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088136.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 16:40
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:17:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088139.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:21
 Operator : AR\AJ
 Sample : PSTDICV050
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 03:53:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 03:51:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	98011498	705.8E6	50.556	50.375
28) SA Decachlor...	9.074	8.076	156.5E6	873.1E6	49.237	49.975
Target Compounds						
2) A alpha-BHC	4.001	3.396	221.4E6	1115.2E6	51.003	50.483
3) MA gamma-BHC...	4.332	3.732	211.2E6	1037.4E6	50.823	50.460
4) MA Heptachlor	4.931	4.086	202.0E6	1034.4E6	50.784	50.400
5) MB Aldrin	5.273	4.372	199.5E6	1010.7E6	50.990	50.536
6) B beta-BHC	4.516	4.028	80388581	446.0E6	50.911	50.415
7) B delta-BHC	4.765	4.265	207.4E6	1030.8E6	50.892	50.347
8) B Heptachlo...	5.693	4.876	177.5E6	911.0E6	50.911	50.388
9) A Endosulfan I	6.076	5.250	167.8E6	870.5E6	50.788	50.475
10) B gamma-Chl...	5.947	5.129	179.7E6	979.0E6	50.819	50.365
11) B alpha-Chl...	6.028	5.194	179.5E6	945.1E6	50.851	50.389
12) B 4,4'-DDE	6.197	5.379	162.4E6	948.3E6	50.132	50.246
13) MA Dieldrin	6.349	5.516	179.4E6	966.1E6	50.821	50.456
14) MA Endrin	6.576	5.792	148.1E6	879.3E6	50.462	50.348
15) B Endosulfa...	6.787	6.084	151.1E6	841.2E6	50.228	50.256
16) A 4,4'-DDD	6.706	5.933	124.5E6	794.4E6	49.895	50.303
17) MA 4,4'-DDT	7.022	6.187	137.1E6	844.1E6	49.781	50.406
18) B Endrin al...	6.916	6.262	112.7E6	640.6E6	50.151	50.415
19) B Endosulfa...	7.150	6.486	140.8E6	824.1E6	50.153	50.192
20) A Methoxychlor	7.494	6.758	73171542	444.8E6	49.850	50.322
21) B Endrin ke...	7.631	6.994	151.9E6	901.7E6	50.003	50.358
22) Mirex	8.115	7.189	112.8E6	707.4E6	50.149	50.451

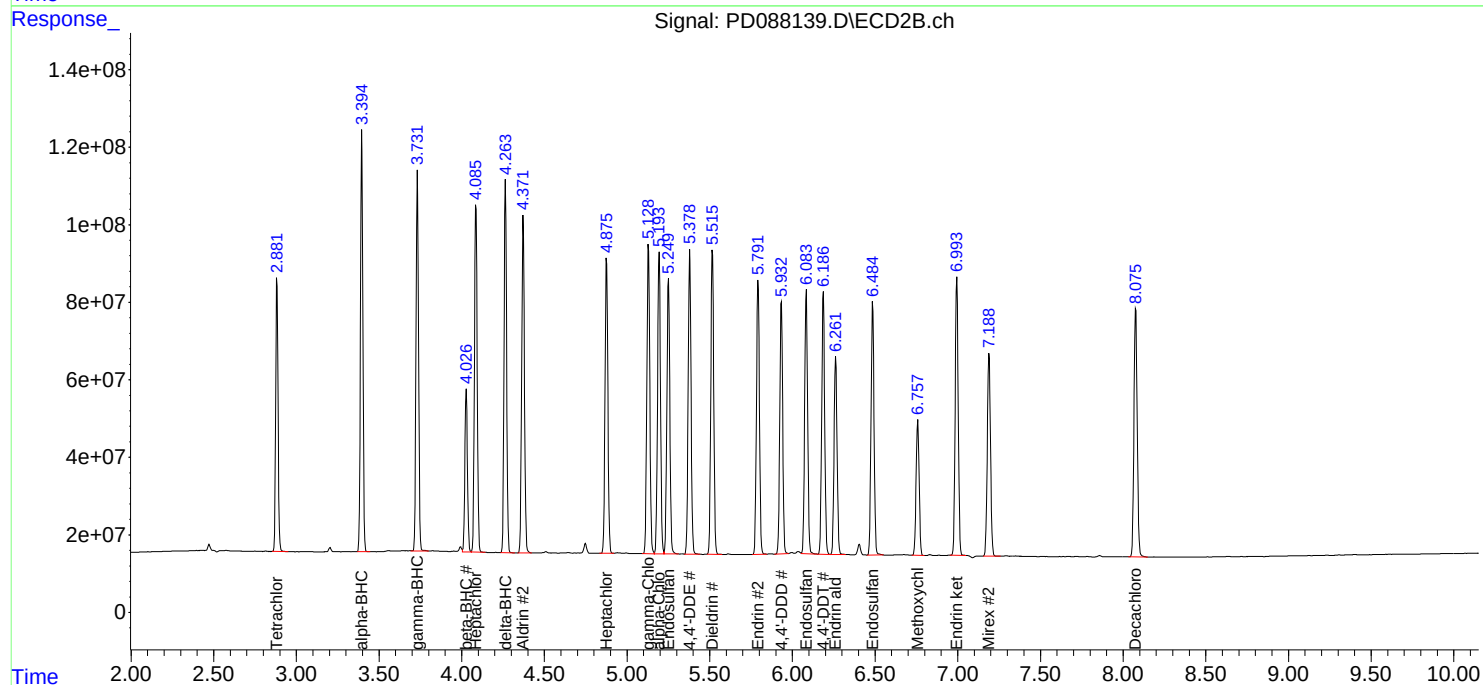
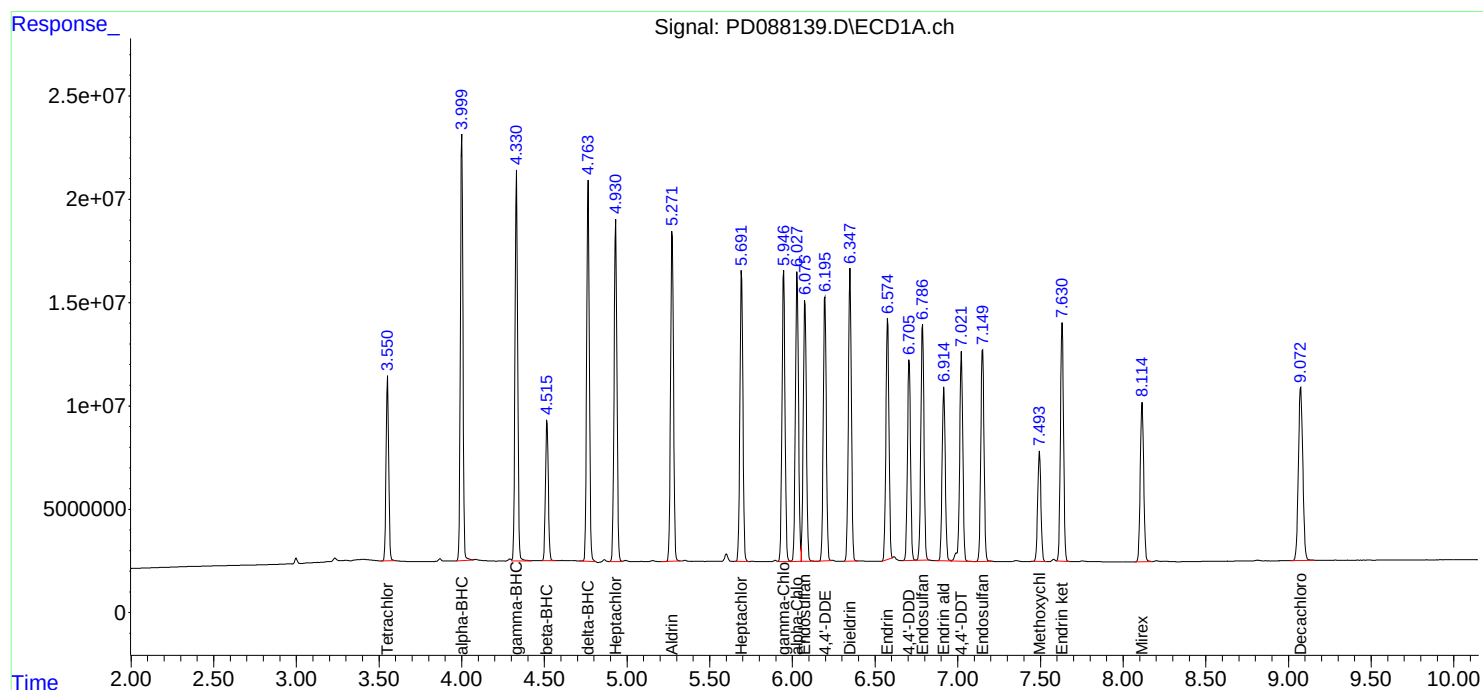
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 03:53:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 03:51:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088140.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:35
 Operator : AR\AJ
 Sample : PCHLORICV500
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825CHLOR

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 05:48:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 05:47:09 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	98326390	875.4E6	51.087	50.557
28) SA Decachlor...	9.073	8.076	155.6E6	883.8E6	50.337	50.312
Target Compounds						
23) Chlordane-1	4.716	3.908	83912348	391.8E6	517.994	510.427
24) Chlordane-2	5.243	4.490	83436128	397.6E6	518.946	507.710
25) Chlordane-3	5.948	5.129	344.9E6	1215.6E6	517.682	507.183
26) Chlordane-4	6.034	5.193	413.5E6	1029.1E6	518.799	506.534
27) Chlordane-5	6.872	6.093	67686335	471.4E6	508.724	506.043

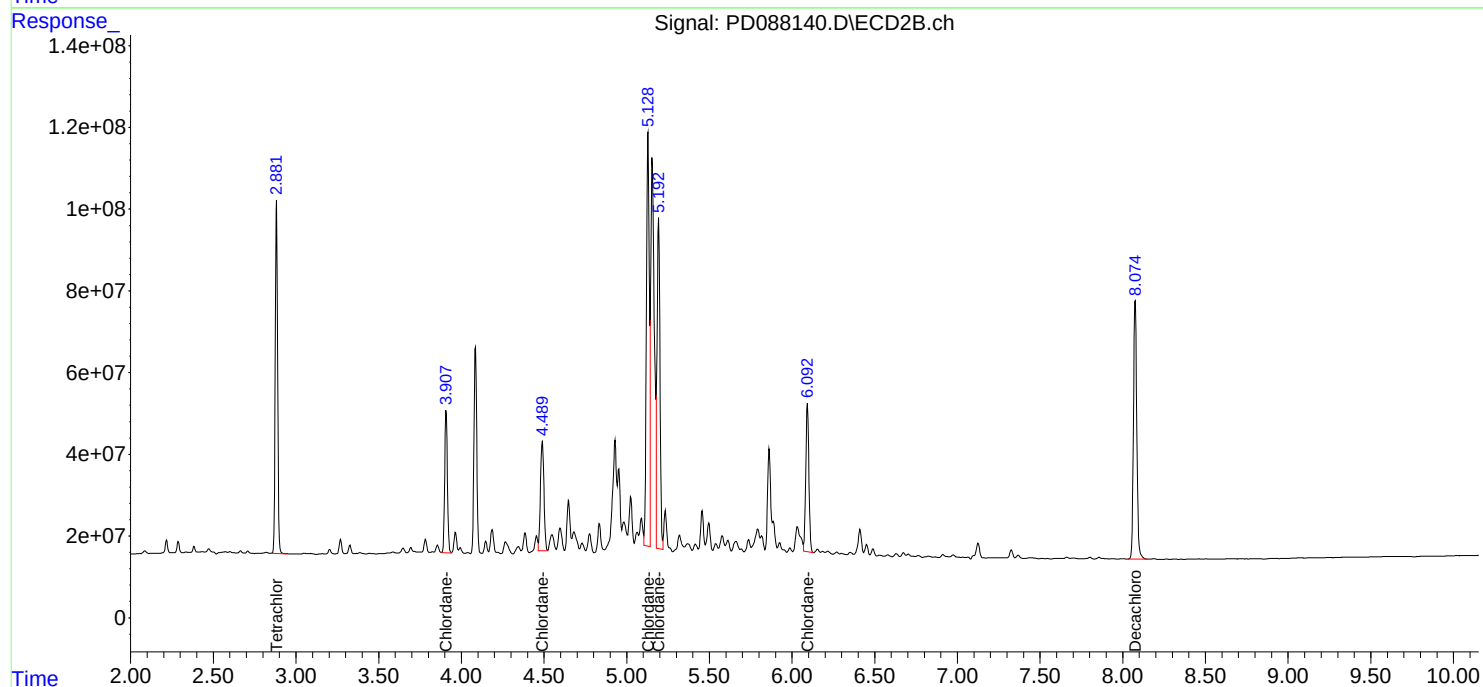
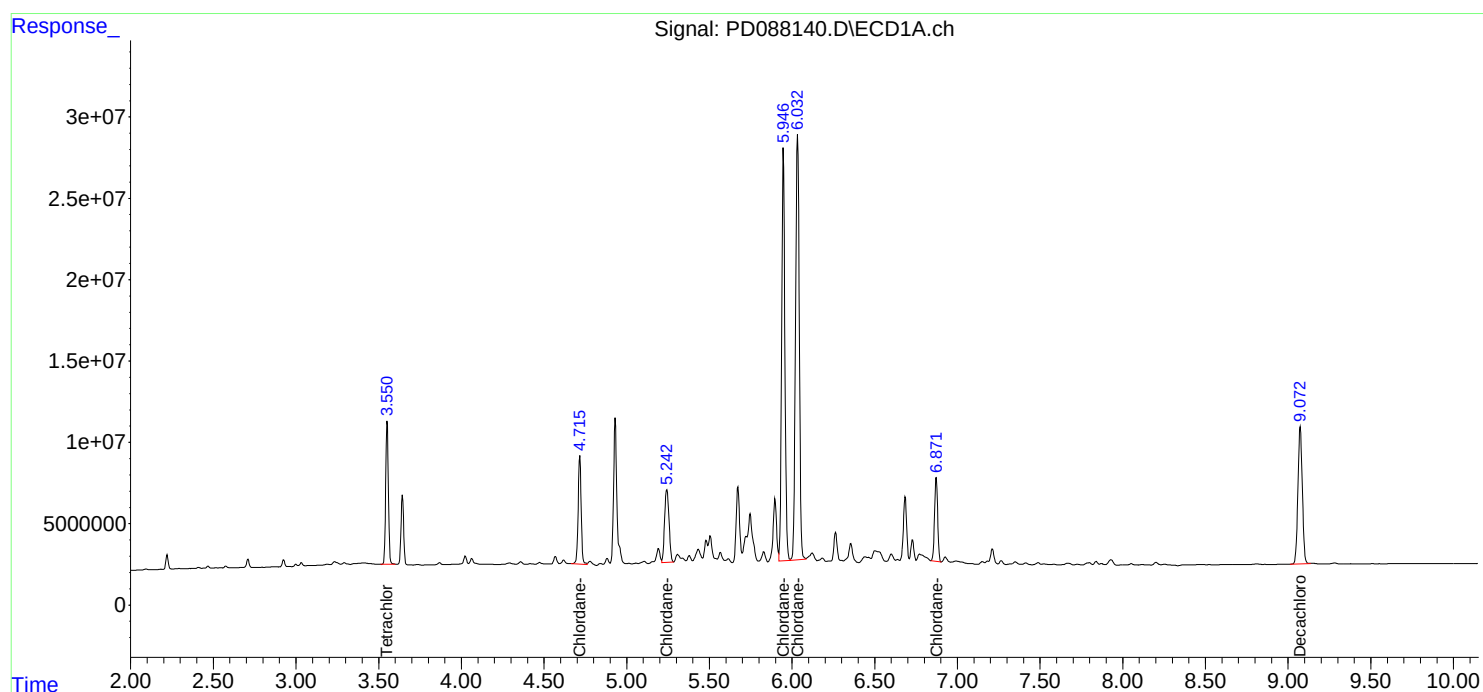
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
ICVPD041825CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 05:48:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 05:47:09 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088141.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 17:49
 Operator : AR\AJ
 Sample : PTOXICV500
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ICVPD041825TOX

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:18:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:16:20 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x 0.25µm

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

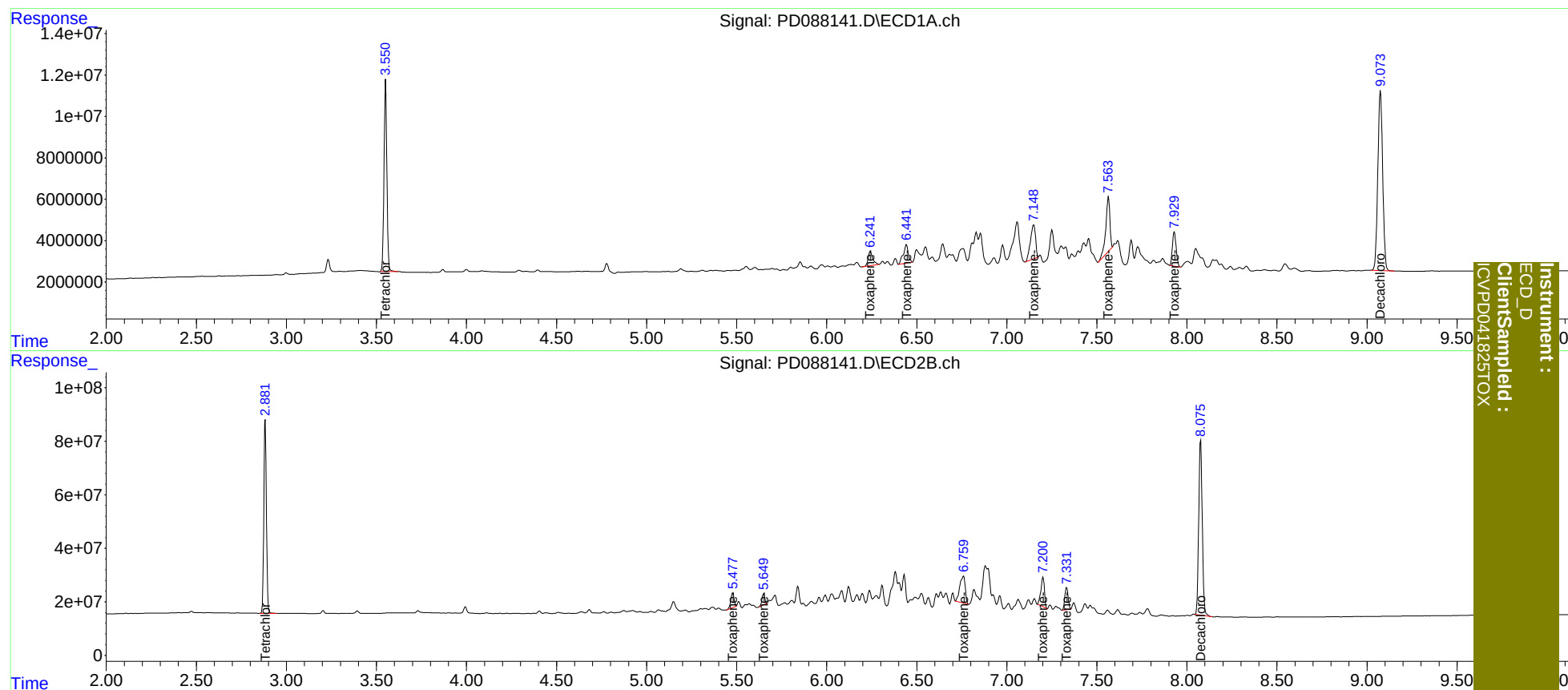
System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.883	102.5E6	730.7E6	50.719	50.617
7) SA Decachlor...	9.075	8.076	162.9E6	900.9E6	49.398	50.583
Target Compounds						
2) Toxaphene-1	6.242	5.479	11935495	66985324	505.786	512.582
3) Toxaphene-2	6.442	5.650	17155801	45180209	503.625	504.731
4) Toxaphene-3	7.149	6.760	32633182	210.1E6	499.541	503.358
5) Toxaphene-4	7.564	7.201	41575512	152.0E6	506.738	501.932
6) Toxaphene-5	7.930	7.332	23954033	105.1E6	502.021	505.684

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088141.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:49
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:18:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\DTX041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:16:20 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0. Signal #2 Info : 30M x 0.32mm x0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 12:09 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.50	7.40	7.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 12:09 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL01 Date Analyzed: 05/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD088369.D Time Analyzed: 12:09

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.975	9.175	46.430	50.000	-7.1
Endrin	6.575	6.476	6.676	52.080	50.000	4.2
gamma-BHC (Lindane)	4.331	4.232	4.432	54.230	50.000	8.5
Heptachlor	4.930	4.831	5.031	53.020	50.000	6.0
Heptachlor epoxide	5.691	5.592	5.792	53.870	50.000	7.7
Methoxychlor	7.494	7.395	7.595	45.160	50.000	-9.7
Tetrachloro-m-xylene	3.551	3.452	3.652	52.750	50.000	5.5



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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL01 Date Analyzed: 05/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD088369.D Time Analyzed: 12:09

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.977	8.177	41.500	50.000	-17.0
Endrin	5.791	5.693	5.893	46.350	50.000	-7.3
gamma-BHC (Lindane)	3.731	3.633	3.833	48.020	50.000	-4.0
Heptachlor	4.084	3.986	4.186	46.300	50.000	-7.4
Heptachlor epoxide	4.875	4.777	4.977	48.240	50.000	-3.5
Methoxychlor	6.756	6.659	6.859	41.540	50.000	-16.9
Tetrachloro-m-xylene	2.882	2.783	2.983	48.750	50.000	-2.5

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088369.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 12:09
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:30:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.882	105.4E6	712.9E6	52.751	48.755
28)	SA Decachlor...	9.073	8.075	153.6E6	766.9E6	46.434	41.498
Target Compounds							
2)	A alpha-BHC	4.000	3.394	238.2E6	1123.3E6	55.242	49.134
3)	MA gamma-BHC...	4.331	3.731	227.1E6	1034.3E6	54.228	48.020
4)	MA Heptachlor	4.930	4.084	214.2E6	990.7E6	53.024	46.298
5)	MB Aldrin	5.272	4.371	217.6E6	1014.9E6	55.098	48.789
6)	B beta-BHC	4.516	4.026	87593152	449.9E6	53.957	48.620
7)	B delta-BHC	4.764	4.263	225.1E6	1035.5E6	54.566	48.701
8)	B Heptachlo...	5.691	4.875	192.5E6	911.5E6	53.869	48.240
9)	A Endosulfan I	6.075	5.249	182.3E6	864.9E6	53.988	48.017
10)	B gamma-Chl...	5.946	5.128	196.0E6	981.7E6	54.104	48.370
11)	B alpha-Chl...	6.028	5.192	195.0E6	940.2E6	54.013	47.963
12)	B 4,4'-DDE	6.196	5.377	175.1E6	949.3E6	53.096	48.203
13)	MA Dieldrin	6.348	5.515	195.4E6	959.3E6	54.763	48.128
14)	MA Endrin	6.575	5.791	155.3E6	843.7E6	52.075	46.349
15)	B Endosulfa...	6.787	6.082	162.8E6	828.8E6	52.087	47.304
16)	A 4,4'-DDD	6.705	5.931	139.8E6	810.7E6	55.601	49.473
17)	MA 4,4'-DDT	7.021	6.185	131.2E6	731.6E6	47.236	42.993
18)	B Endrin al...	6.915	6.260	118.5E6	608.5E6	51.338	45.745
19)	B Endosulfa...	7.149	6.484	151.2E6	789.7E6	52.565	46.091
20)	A Methoxychlor	7.494	6.756	67718035	378.9E6	45.159	41.538
21)	B Endrin ke...	7.631	6.993	159.4E6	857.6E6	51.651	45.850
22)	Mirex	8.114	7.187	118.2E6	660.1E6	50.352	44.541

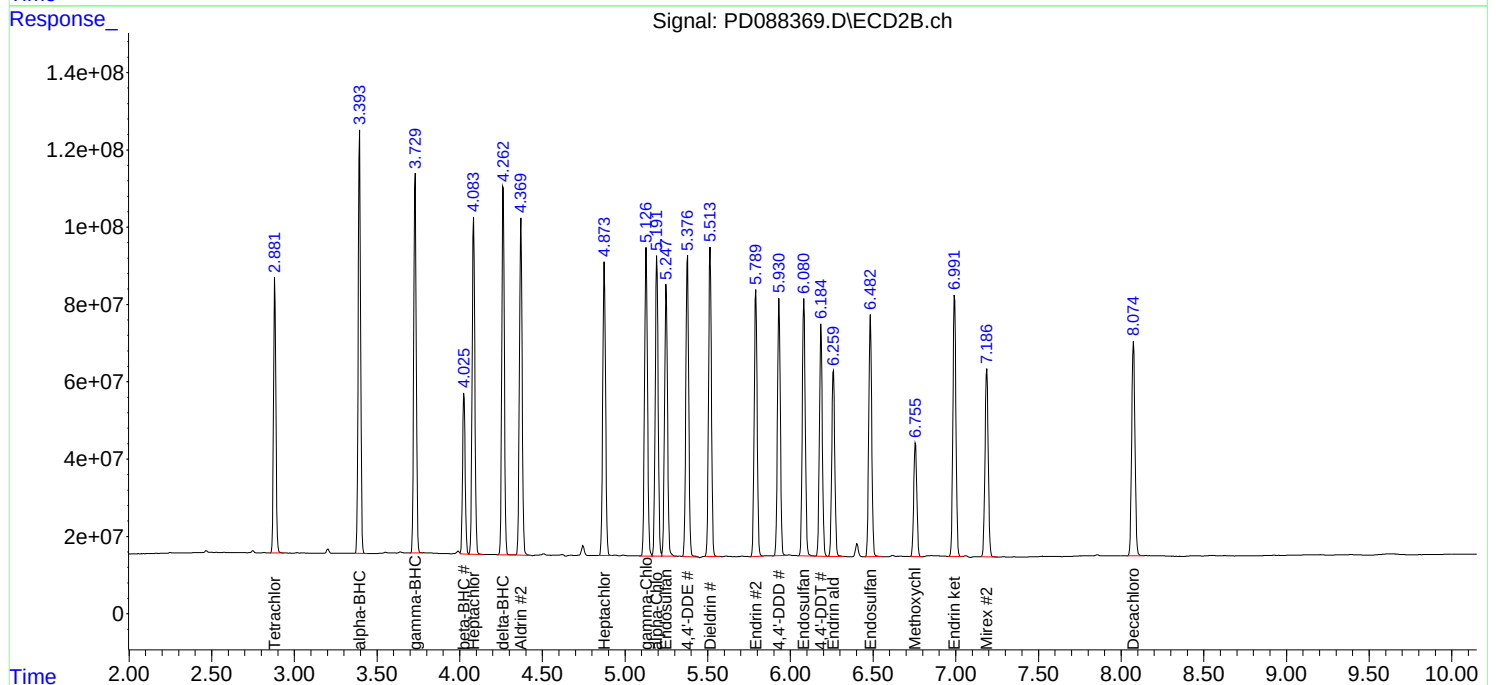
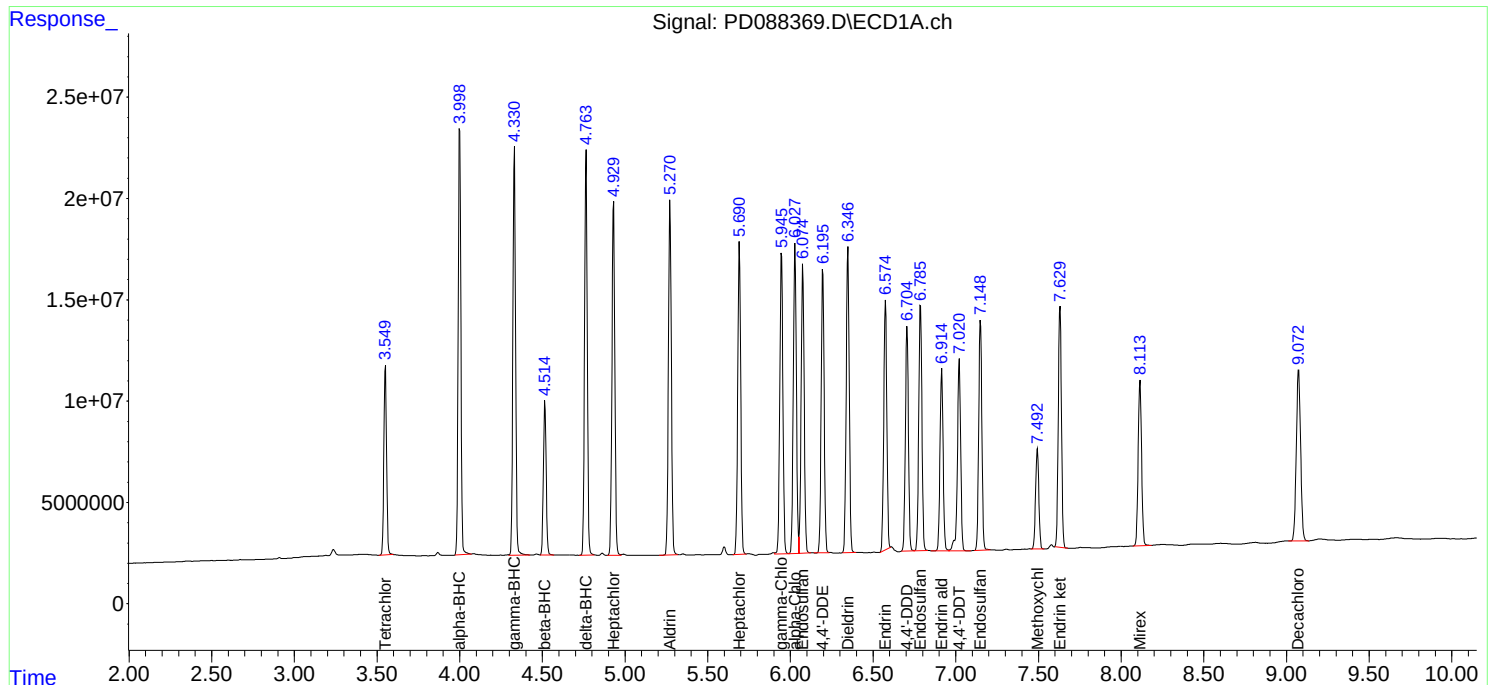
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 12:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 17:19 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	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



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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/01/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 17:19 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 05/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD088384.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.077	8.975	9.175	47.420	50.000	-5.2
Endrin	6.577	6.476	6.676	52.460	50.000	4.9
gamma-BHC (Lindane)	4.333	4.232	4.432	53.820	50.000	7.6
Heptachlor	4.933	4.831	5.031	53.190	50.000	6.4
Heptachlor epoxide	5.694	5.592	5.792	53.690	50.000	7.4
Methoxychlor	7.496	7.395	7.595	47.380	50.000	-5.2
Tetrachloro-m-xylene	3.553	3.452	3.652	52.240	50.000	4.5



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL02 Date Analyzed: 05/01/2025

Lab Sample No.: PSTDCCC050 Data File : PD088384.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.076	7.977	8.177	43.900	50.000	-12.2
Endrin	5.791	5.693	5.893	47.310	50.000	-5.4
gamma-BHC (Lindane)	3.731	3.633	3.833	48.110	50.000	-3.8
Heptachlor	4.085	3.986	4.186	46.890	50.000	-6.2
Heptachlor epoxide	4.875	4.777	4.977	48.060	50.000	-3.9
Methoxychlor	6.757	6.659	6.859	44.580	50.000	-10.8
Tetrachloro-m-xylene	2.882	2.783	2.983	48.420	50.000	-3.2

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088384.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 17:19
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:33:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.553	2.882	104.3E6	707.9E6	52.239	48.417
28) SA Decachlor...	9.077	8.076	156.9E6	811.3E6	47.421	43.902
Target Compounds						
2) A alpha-BHC	4.002	3.395	236.1E6	1115.0E6	54.756	48.770
3) MA gamma-BHC...	4.333	3.731	225.4E6	1036.3E6	53.820	48.113
4) MA Heptachlor	4.933	4.085	214.8E6	1003.4E6	53.192	46.891
5) MB Aldrin	5.274	4.371	216.1E6	1033.9E6	54.724	49.700
6) B beta-BHC	4.518	4.027	86695638	445.6E6	53.404	48.157
7) B delta-BHC	4.767	4.264	222.3E6	1032.8E6	53.891	48.575
8) B Heptachlo...	5.694	4.875	191.9E6	908.0E6	53.691	48.058
9) A Endosulfan I	6.077	5.249	183.1E6	801.6E6	54.205	44.502
10) B gamma-Chl...	5.949	5.128	198.2E6	978.0E6	54.709	48.187
11) B alpha-Chl...	6.030	5.193	195.9E6	938.8E6	54.273	47.889
12) B 4,4'-DDE	6.199	5.376	172.8E6	947.9E6	52.405	48.132m
13) MA Dieldrin	6.350	5.515	195.2E6	961.6E6	54.706	48.242
14) MA Endrin	6.577	5.791	156.5E6	861.2E6	52.459	47.311
15) B Endosulfa...	6.789	6.083	164.7E6	843.1E6	52.671	48.115
16) A 4,4'-DDD	6.708	5.932	142.6E6	816.2E6	56.696	49.808
17) MA 4,4'-DDT	7.024	6.186	135.6E6	763.9E6	48.817	44.891
18) B Endrin al...	6.917	6.261	119.6E6	616.6E6	51.804	46.357
19) B Endosulfa...	7.152	6.484	153.0E6	808.5E6	53.194	47.192
20) A Methoxychlor	7.496	6.757	71044631	406.6E6	47.377	44.580
21) B Endrin ke...	7.633	6.994	164.6E6	894.1E6	53.340	47.802
22) Mirex	8.117	7.188	120.5E6	687.9E6	51.326	46.411

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088384.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 17:19
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

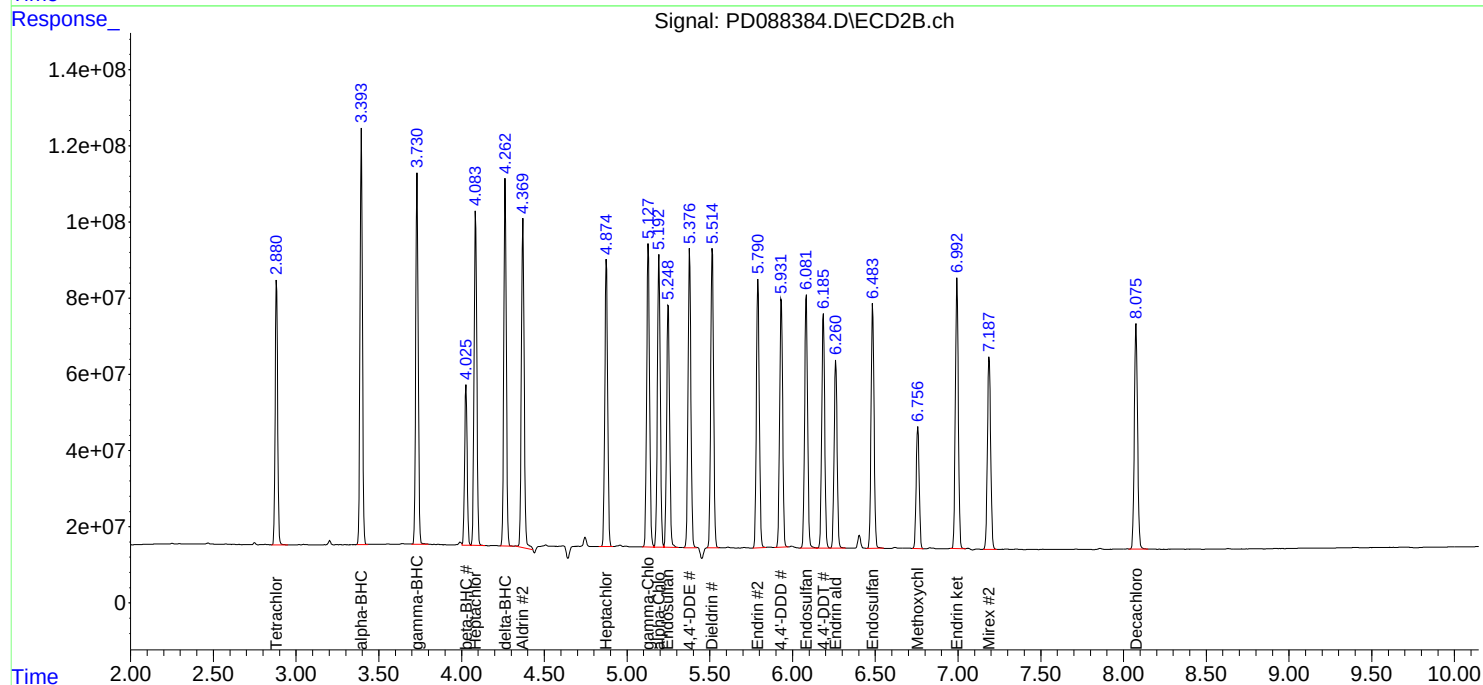
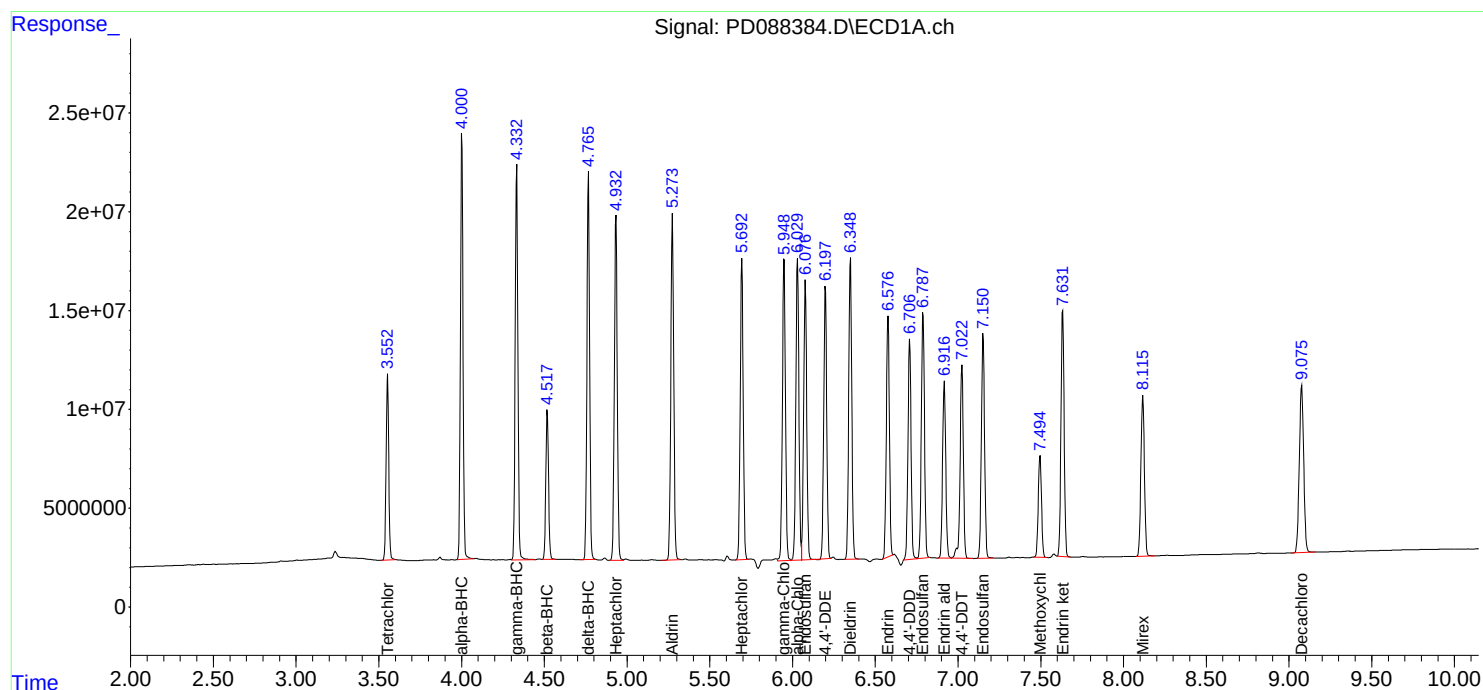
APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:33:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 08:44 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.58	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.50	7.40	7.60	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 08:44 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

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

Lab Sample No.: PSTDCCC050 Data File : PD088408.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.073	8.975	9.175	50.200	50.000	0.4
Endrin	6.575	6.476	6.676	54.180	50.000	8.4
gamma-BHC (Lindane)	4.331	4.232	4.432	56.770	50.000	13.5
Heptachlor	4.930	4.831	5.031	55.420	50.000	10.8
Heptachlor epoxide	5.691	5.592	5.792	55.740	50.000	11.5
Methoxychlor	7.493	7.395	7.595	49.590	50.000	-0.8
Tetrachloro-m-xylene	3.550	3.452	3.652	54.530	50.000	9.1



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

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

Lab Sample No.: PSTDCCC050 Data File : PD088408.D Time Analyzed: 08:44

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.074	7.977	8.177	44.490	50.000	-11.0
Endrin	5.791	5.693	5.893	47.170	50.000	-5.7
gamma-BHC (Lindane)	3.731	3.633	3.833	48.880	50.000	-2.2
Heptachlor	4.084	3.986	4.186	46.430	50.000	-7.1
Heptachlor epoxide	4.874	4.777	4.977	49.060	50.000	-1.9
Methoxychlor	6.756	6.659	6.859	41.030	50.000	-17.9
Tetrachloro-m-xylene	2.882	2.783	2.983	49.100	50.000	-1.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088408.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 08:44
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:12 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.882	108.9E6	717.9E6	54.530	49.099
28)	SA Decachlor...	9.073	8.074	166.1E6	822.1E6	50.204	44.486
Target Compounds							
2)	A alpha-BHC	4.000	3.394	247.3E6	1138.1E6	57.348	49.781
3)	MA gamma-BHC...	4.331	3.731	237.7E6	1052.7E6	56.771	48.875
4)	MA Heptachlor	4.930	4.084	223.8E6	993.6E6	55.419	46.433
5)	MB Aldrin	5.272	4.370	222.4E6	1033.7E6	56.322	49.691
6)	B beta-BHC	4.515	4.027	91148064	468.3E6	56.147	50.601
7)	B delta-BHC	4.764	4.263	243.9E6	1051.2E6	59.134	49.443
8)	B Heptachlo...	5.691	4.874	199.2E6	926.9E6	55.740	49.058
9)	A Endosulfan I	6.075	5.248	189.1E6	888.2E6	55.996	49.312
10)	B gamma-Chl...	5.946	5.127	202.7E6	1002.2E6	55.958	49.377
11)	B alpha-Chl...	6.027	5.192	202.0E6	963.8E6	55.950	49.168
12)	B 4,4'-DDE	6.196	5.377	182.0E6	965.2E6	55.166	49.008
13)	MA Dieldrin	6.347	5.514	202.6E6	966.8E6	56.774	48.504
14)	MA Endrin	6.575	5.791	161.6E6	858.6E6	54.178	47.172
15)	B Endosulfa...	6.786	6.082	170.0E6	847.3E6	54.392	48.356
16)	A 4,4'-DDD	6.705	5.931	144.4E6	804.8E6	57.405	49.115
17)	MA 4,4'-DDT	7.021	6.185	141.9E6	762.6E6	51.078	44.814
18)	B Endrin al...	6.915	6.260	123.7E6	619.8E6	53.576	46.599
19)	B Endosulfa...	7.149	6.483	158.2E6	811.6E6	54.994	47.371
20)	A Methoxychlor	7.493	6.756	74365318	374.3E6	49.592	41.034
21)	B Endrin ke...	7.630	6.993	170.9E6	897.9E6	55.365	48.006
22)	Mirex	8.114	7.187	125.2E6	696.9E6	53.313	47.021

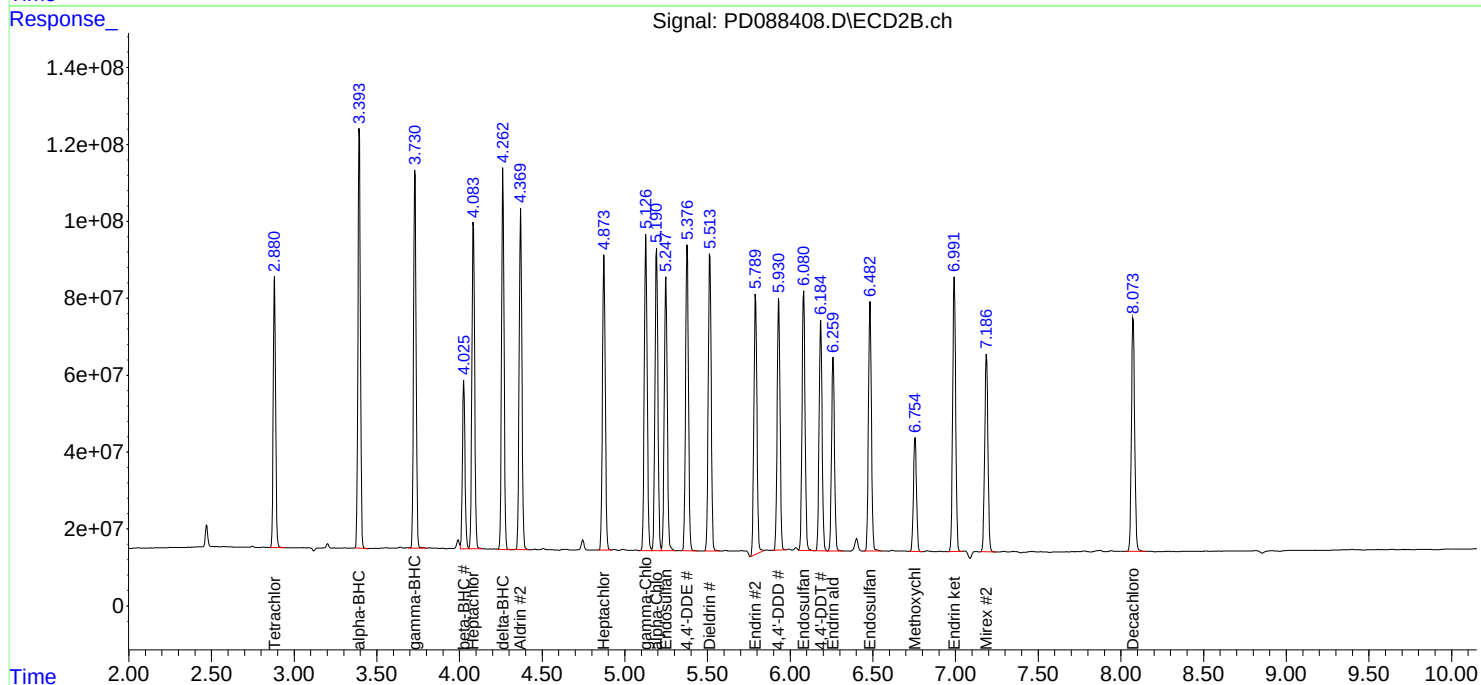
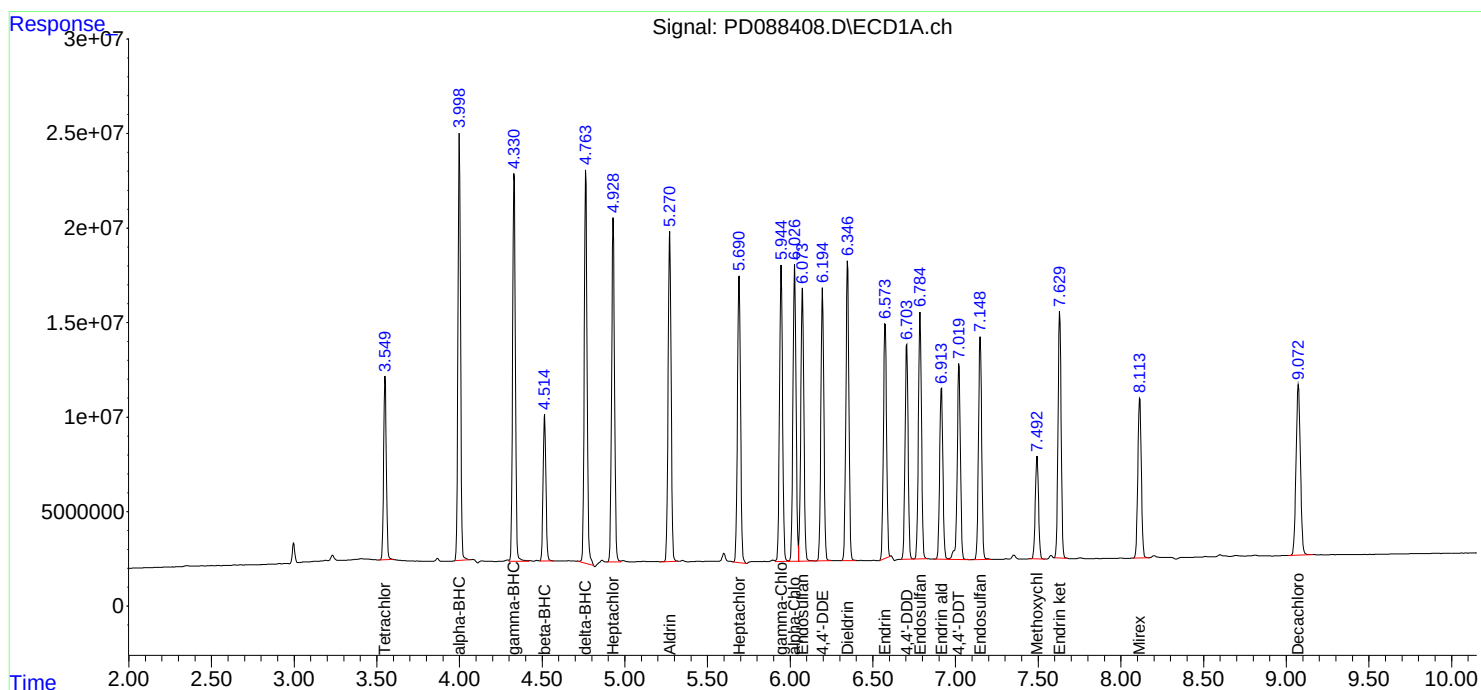
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088408.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:44
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:12 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 10:40 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.07	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Methoxychlor	7.49	7.50	7.40	7.60	0.01



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 10:40 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Decachlorobiphenyl	8.07	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.87	4.88	4.78	4.98	0.01
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL04 Date Analyzed: 05/05/2025

Lab Sample No.: PSTDCCC050 Data File : PD088415.D Time Analyzed: 10:40

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.072	8.975	9.175	50.520	50.000	1.0
Endrin	6.574	6.476	6.676	53.970	50.000	7.9
gamma-BHC (Lindane)	4.330	4.232	4.432	56.130	50.000	12.3
Heptachlor	4.929	4.831	5.031	54.910	50.000	9.8
Heptachlor epoxide	5.691	5.592	5.792	55.230	50.000	10.5
Methoxychlor	7.492	7.395	7.595	49.610	50.000	-0.8
Tetrachloro-m-xylene	3.550	3.452	3.652	53.720	50.000	7.4



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No.: CCAL04 Date Analyzed: 05/05/2025

Lab Sample No.: PSTDCCC050 Data File : PD088415.D Time Analyzed: 10:40

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.074	7.977	8.177	44.790	50.000	-10.4
Endrin	5.790	5.693	5.893	47.530	50.000	-4.9
gamma-BHC (Lindane)	3.730	3.633	3.833	48.340	50.000	-3.3
Heptachlor	4.084	3.986	4.186	46.860	50.000	-6.3
Heptachlor epoxide	4.874	4.777	4.977	48.350	50.000	-3.3
Methoxychlor	6.756	6.659	6.859	43.090	50.000	-13.8
Tetrachloro-m-xylene	2.881	2.783	2.983	48.350	50.000	-3.3

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088415.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 10:40
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:40:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	107.3E6	706.9E6	53.723	48.348
28)	SA Decachlor...	9.072	8.074	167.1E6	827.7E6	50.524	44.791
Target Compounds							
2)	A alpha-BHC	3.999	3.394	243.9E6	1122.7E6	56.558	49.111
3)	MA gamma-BHC...	4.330	3.730	235.0E6	1041.2E6	56.127	48.339
4)	MA Heptachlor	4.929	4.084	221.8E6	1002.6E6	54.906	46.856
5)	MB Aldrin	5.271	4.370	222.0E6	1017.5E6	56.199	48.911
6)	B beta-BHC	4.515	4.026	90416852	463.6E6	55.697	50.092
7)	B delta-BHC	4.763	4.263	241.8E6	1041.1E6	58.618	48.965
8)	B Heptachlo...	5.691	4.874	197.4E6	913.6E6	55.231	48.351
9)	A Endosulfan I	6.074	5.248	188.1E6	875.9E6	55.703	48.629
10)	B gamma-Chl...	5.946	5.127	201.8E6	987.1E6	55.707	48.635
11)	B alpha-Chl...	6.027	5.192	201.1E6	949.0E6	55.717	48.413
12)	B 4,4'-DDE	6.196	5.377	181.1E6	953.4E6	54.905	48.409
13)	MA Dieldrin	6.347	5.514	201.7E6	965.5E6	56.524	48.435
14)	MA Endrin	6.574	5.790	161.0E6	865.2E6	53.971	47.534
15)	B Endosulfa...	6.786	6.082	170.4E6	838.1E6	54.491	47.832
16)	A 4,4'-DDD	6.705	5.931	145.1E6	815.5E6	57.708	49.767
17)	MA 4,4'-DDT	7.020	6.185	141.2E6	765.1E6	50.842	44.962
18)	B Endrin al...	6.914	6.260	123.6E6	618.3E6	53.561	46.487
19)	B Endosulfa...	7.149	6.484	157.7E6	809.7E6	54.851	47.257
20)	A Methoxychlor	7.492	6.756	74394608	393.0E6	49.611	43.088
21)	B Endrin ke...	7.629	6.992	170.7E6	897.6E6	55.298	47.992
22)	Mirex	8.113	7.187	125.1E6	691.0E6	53.276	46.621

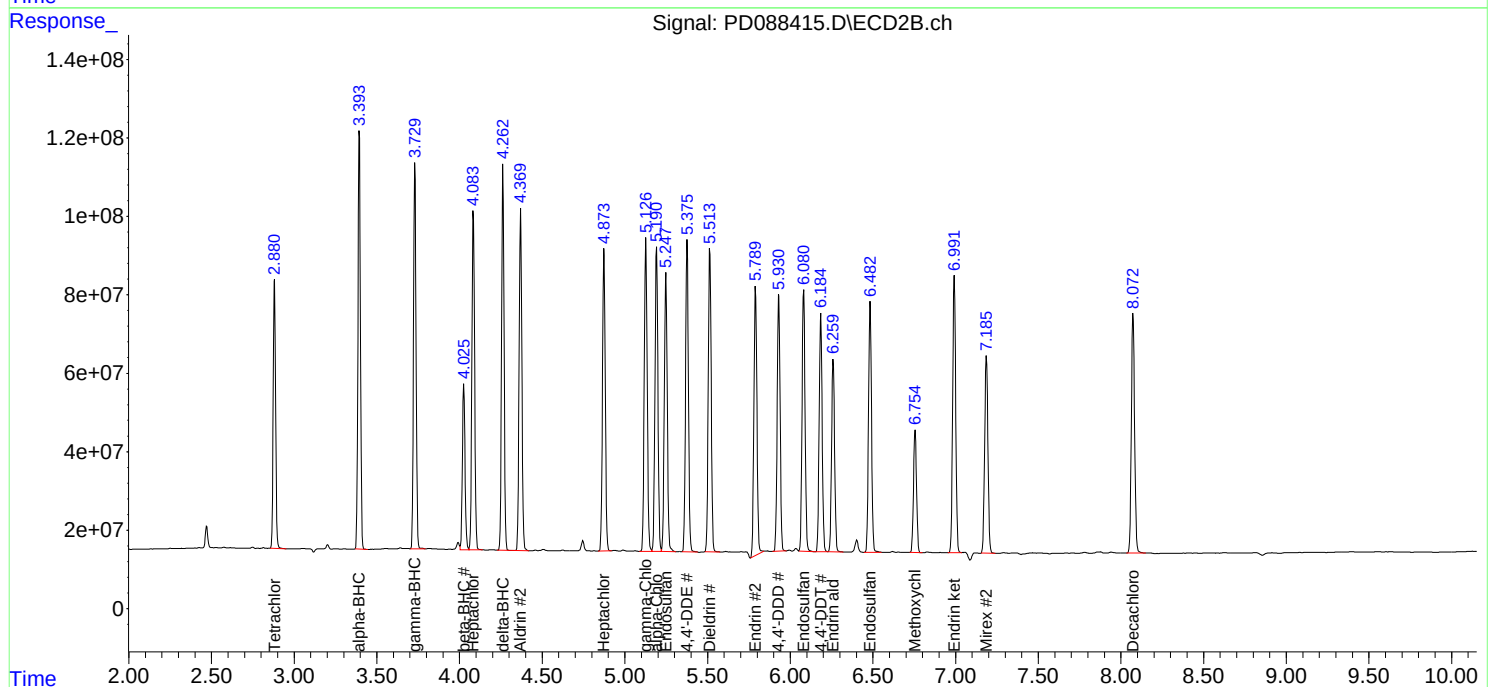
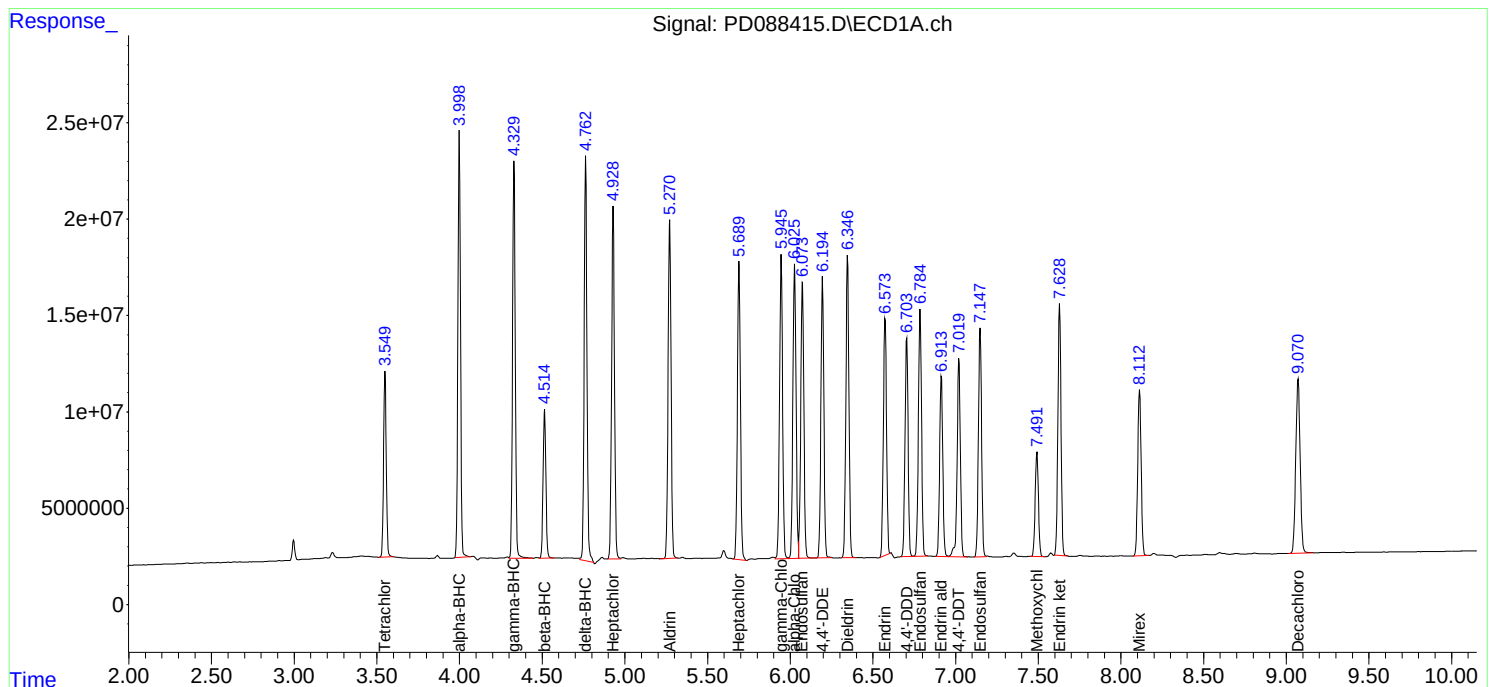
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088415.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 13:47 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.00
Tetrachloro-m-xylene	3.56	3.55	3.45	3.65	-0.01
gamma-BHC (Lindane)	4.34	4.33	4.23	4.43	-0.01
Heptachlor	4.94	4.93	4.83	5.03	0.00
Heptachlor epoxide	5.70	5.69	5.59	5.79	-0.01
Endrin	6.58	6.58	6.48	6.68	0.00
Methoxychlor	7.50	7.50	7.40	7.60	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

Continuing Calib Date: 05/05/2025 Initial Calibration Date(s): 04/18/2025 04/18/2025

Continuing Calib Time: 13:47 Initial Calibration Time(s): 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.00
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.08	4.09	3.99	4.19	0.01
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00



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CALIBRATION VERIFICATION SUMMARY

 Contract: AECO02

 Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

 GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

 Client Sample No.: CCAL05 Date Analyzed: 05/05/2025

 Lab Sample No.: PSTDCCC050 Data File : PD088422.D Time Analyzed: 13:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	9.080	8.975	9.175	51.710	50.000	3.4
Endrin	6.580	6.476	6.676	55.530	50.000	11.1
gamma-BHC (Lindane)	4.336	4.232	4.432	57.260	50.000	14.5
Heptachlor	4.935	4.831	5.031	55.950	50.000	11.9
Heptachlor epoxide	5.697	5.592	5.792	55.910	50.000	11.8
Methoxychlor	7.499	7.395	7.595	51.610	50.000	3.2
Tetrachloro-m-xylene	3.555	3.452	3.652	54.400	50.000	8.8



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CALIBRATION VERIFICATION SUMMARY

 Contract: AECO02

 Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

 GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

 Client Sample No.: CCAL05 Date Analyzed: 05/05/2025

 Lab Sample No.: PSTDCCC050 Data File : PD088422.D Time Analyzed: 13:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Decachlorobiphenyl	8.076	7.977	8.177	46.850	50.000	-6.3
Endrin	5.791	5.693	5.893	49.370	50.000	-1.3
gamma-BHC (Lindane)	3.731	3.633	3.833	49.300	50.000	-1.4
Heptachlor	4.084	3.986	4.186	48.290	50.000	-3.4
Heptachlor epoxide	4.875	4.777	4.977	49.290	50.000	-1.4
Methoxychlor	6.757	6.659	6.859	45.930	50.000	-8.1
Tetrachloro-m-xylene	2.881	2.783	2.983	48.930	50.000	-2.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088422.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 13:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:42:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.555	2.881	108.7E6	715.4E6	54.405	48.929
28) SA Decachlor...	9.080	8.076	171.1E6	865.8E6	51.708	46.852
Target Compounds						
2) A alpha-BHC	4.005	3.394	249.7E6	1142.5E6	57.900	49.974
3) MA gamma-BHC...	4.336	3.731	239.8E6	1061.9E6	57.259	49.304
4) MA Heptachlor	4.935	4.084	226.0E6	1033.3E6	55.946	48.291
5) MB Aldrin	5.277	4.370	225.6E6	1044.9E6	57.111	50.227
6) B beta-BHC	4.521	4.027	92076882	472.3E6	56.719	51.041
7) B delta-BHC	4.769	4.263	242.8E6	1063.2E6	58.862	50.006
8) B Heptachlo...	5.697	4.875	199.8E6	931.4E6	55.914	49.294
9) A Endosulfan I	6.080	5.249	192.9E6	877.5E6	57.106	48.717
10) B gamma-Chl...	5.952	5.128	208.8E6	1007.7E6	57.658	49.649
11) B alpha-Chl...	6.033	5.193	206.8E6	969.4E6	57.288	49.454
12) B 4,4'-DDE	6.202	5.378	182.4E6	983.7E6	55.315	49.947
13) MA Dieldrin	6.353	5.515	205.5E6	988.8E6	57.593	49.605
14) MA Endrin	6.580	5.791	165.6E6	898.7E6	55.529	49.371
15) B Endosulfa...	6.792	6.083	174.4E6	860.7E6	55.790	49.121
16) A 4,4'-DDD	6.711	5.932	149.5E6	838.3E6	59.458	51.157
17) MA 4,4'-DDT	7.027	6.186	146.0E6	801.1E6	52.550	47.079
18) B Endrin al...	6.920	6.261	126.9E6	637.0E6	54.969	47.889
19) B Endosulfa...	7.155	6.485	161.5E6	833.6E6	56.175	48.653
20) A Methoxychlor	7.499	6.757	77397016	418.9E6	51.614	45.930
21) B Endrin ke...	7.635	6.994	174.9E6	930.5E6	56.654	49.748
22) Mirex	8.119	7.188	128.6E6	714.8E6	54.749	48.231

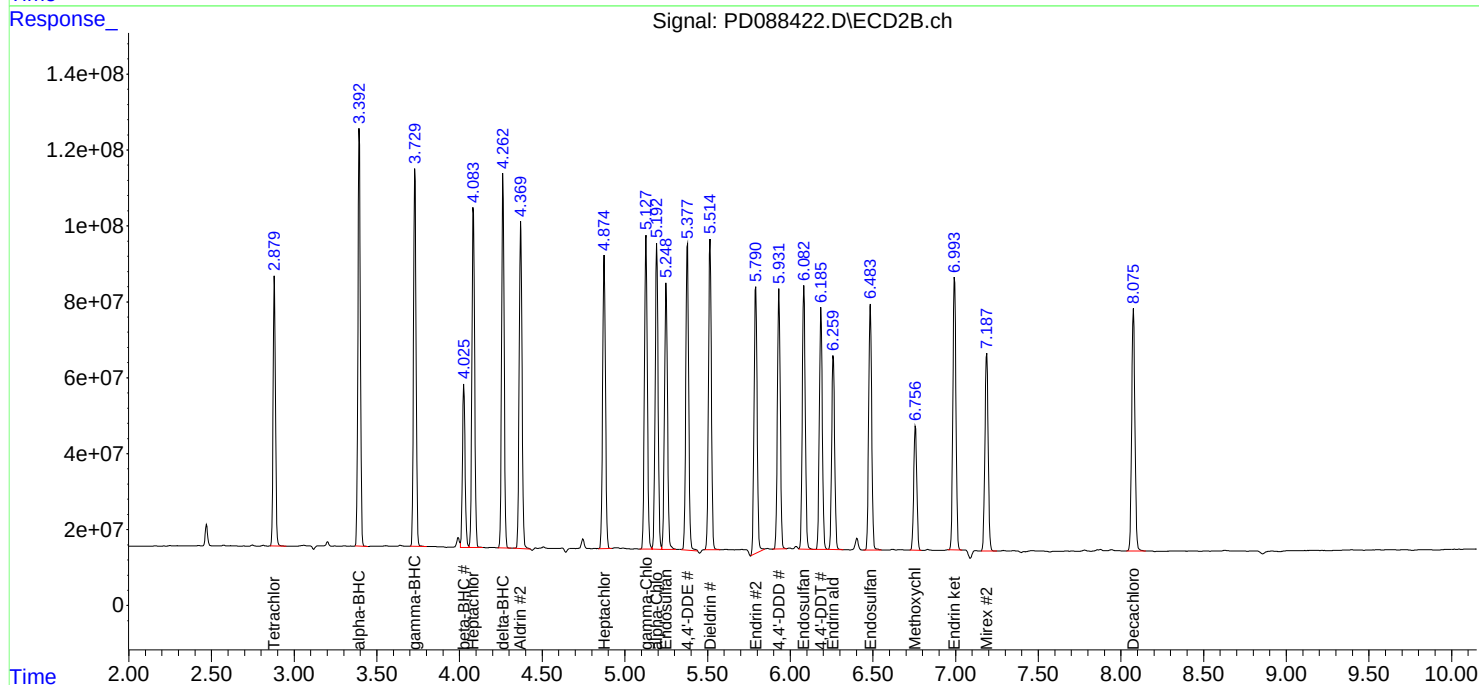
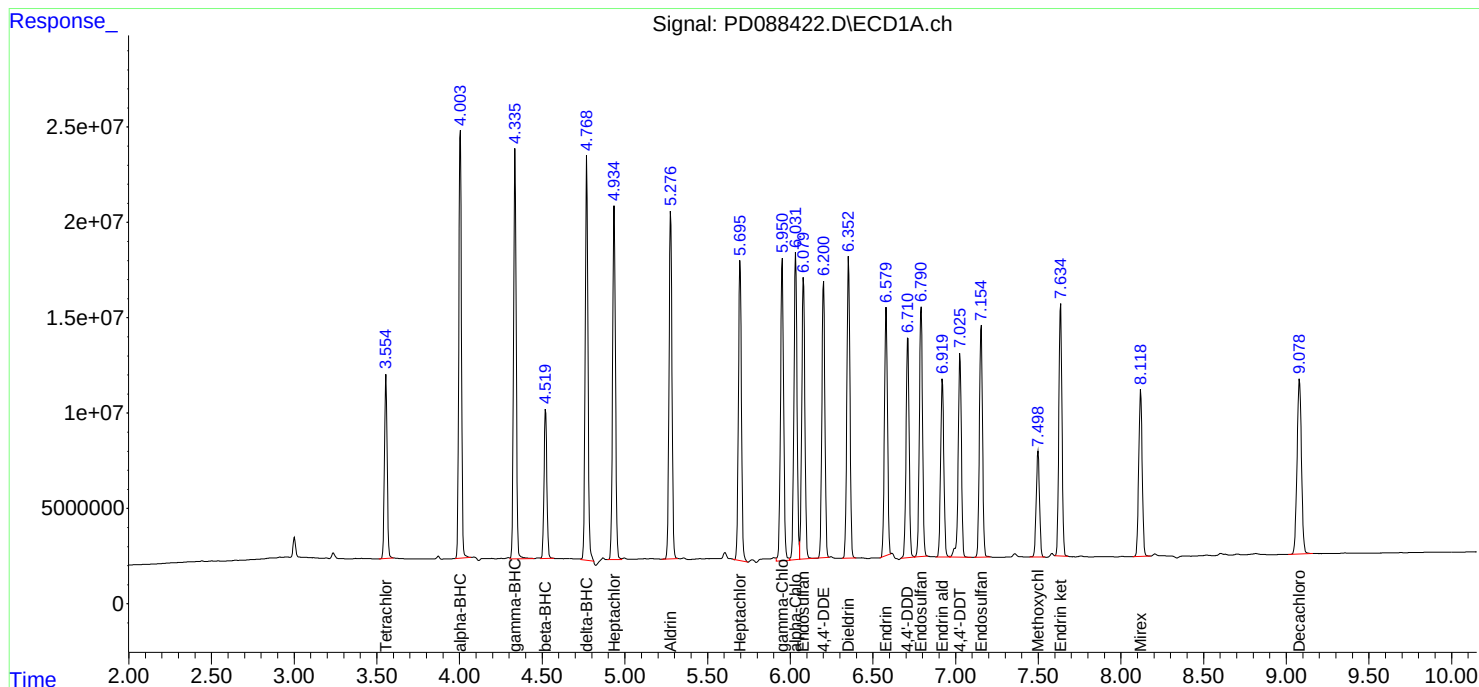
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088422.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D Date Analyzed: 04/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.075	8.970	9.180	23.220	20.000	16.1
Tetrachloro-m-xylene	3.551	3.500	3.600	21.610	20.000	8.1
alpha-BHC	4.000	3.950	4.050	9.950	10.000	-0.5
beta-BHC	4.516	4.470	4.570	11.360	10.000	13.6
gamma-BHC (Lindane)	4.331	4.280	4.380	10.480	10.000	4.8
Endrin	6.576	6.510	6.650	51.530	50.000	3.1
4,4'-DDT	7.023	6.950	7.090	110.510	100.000	10.5
Methoxychlor	7.494	7.420	7.560	265.100	250.000	6.0

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088122.D Date Analyzed: 04/18/2025

Lab Sample No.(PEM): PEM Time Analyzed: 13:29

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.076	7.980	8.180	22.950	20.000	14.8
Tetrachloro-m-xylene	2.883	2.830	2.930	22.200	20.000	11.0
alpha-BHC	3.396	3.350	3.450	11.720	10.000	17.2
beta-BHC	4.028	3.980	4.080	12.460	10.000	24.6
gamma-BHC (Lindane)	3.732	3.680	3.780	11.580	10.000	15.8
Endrin	5.793	5.720	5.860	49.780	50.000	-0.4
4,4'-DDT	6.187	6.120	6.260	102.610	100.000	2.6
Methoxychlor	6.758	6.690	6.830	215.580	250.000	-13.8

Data File: PEM
 PD088122.D Date Acquired 4/18/2025 13:29
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.58	153680370.7	162192230.2	8511859.47	5.25
Endrin aldehyde	6.92	3420195.012			
Endrin ketone	7.63	5091664.461			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	906106216.2	976124672.3	70018456.1	7.17
Endrin aldehyde #2	6.26	27341767.91			
Endrin ketone #2	6.99	42676688.15			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	306944307.8	307584368.9	640061.113	0.21
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	640061.113			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1746026847	1755776541	9749694.14	0.56
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	9749694.138			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088122.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/19/2025
 Supervised By :mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 19 06:41:57 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.883	43154195	324.6E6	21.605	22.198
2) SA Decachlor...	9.075	8.076	76807188	424.1E6	23.218	22.951
Target Compounds						
2) A alpha-BHC	4.000	3.396	42909357	267.8E6	9.951	11.716
3) MA gamma-BHC...	4.331	3.732	43874391	249.5E6	10.477	11.583
6) B beta-BHC	4.516	4.028	18444986	115.3E6	11.362	12.462
14) MA Endrin	6.576	5.793	153.7E6	906.1E6	51.526	49.780
16) A 4,4'-DDD	6.708	5.936	640061	9749694	0.255	0.595m#
17) MA 4,4'-DDT	7.023	6.187	306.9E6	1746.0E6	110.509	102.608
18) B Endrin al...	6.915	6.262	3420195	27341768	1.482	2.056 #
20) A Methoxychlor	7.494	6.758	397.5E6	1966.3E6	265.100	215.579
21) B Endrin ke...	7.630	6.994	5091664	42676688	1.650	2.282 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:29
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

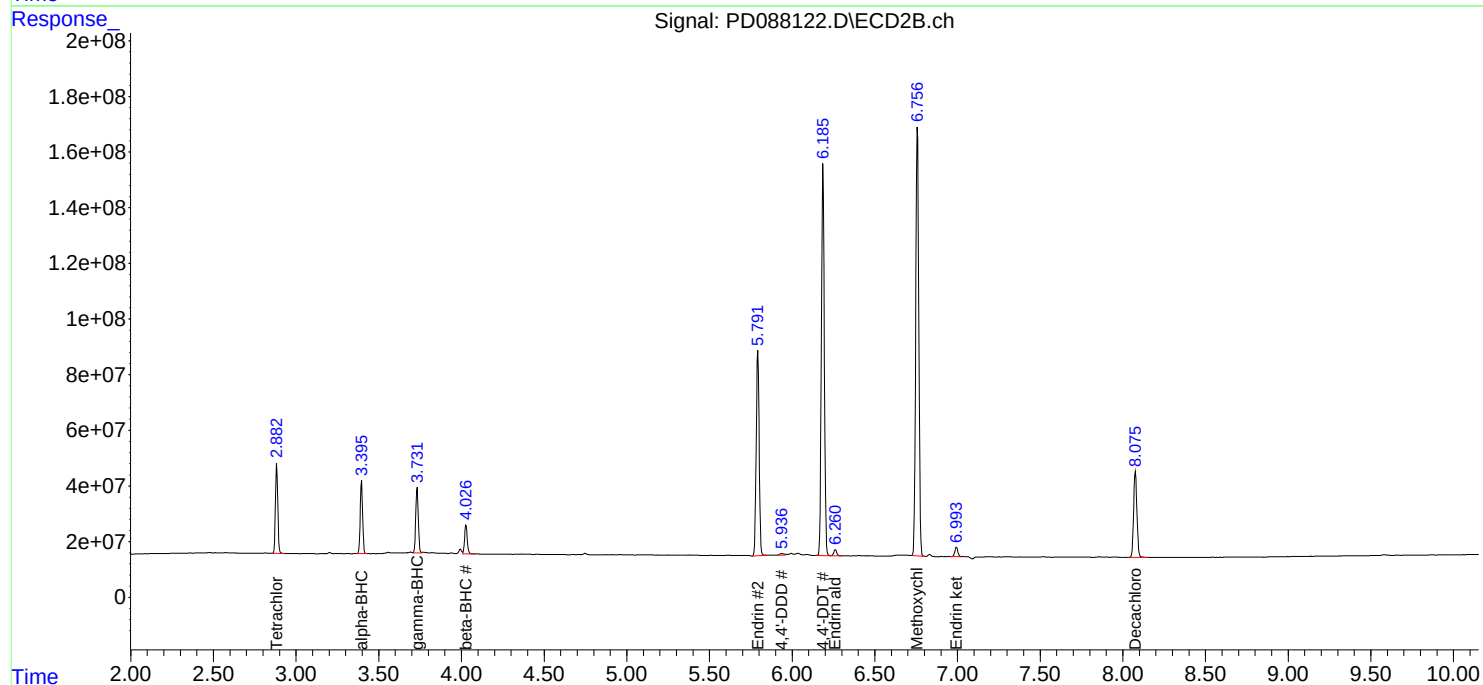
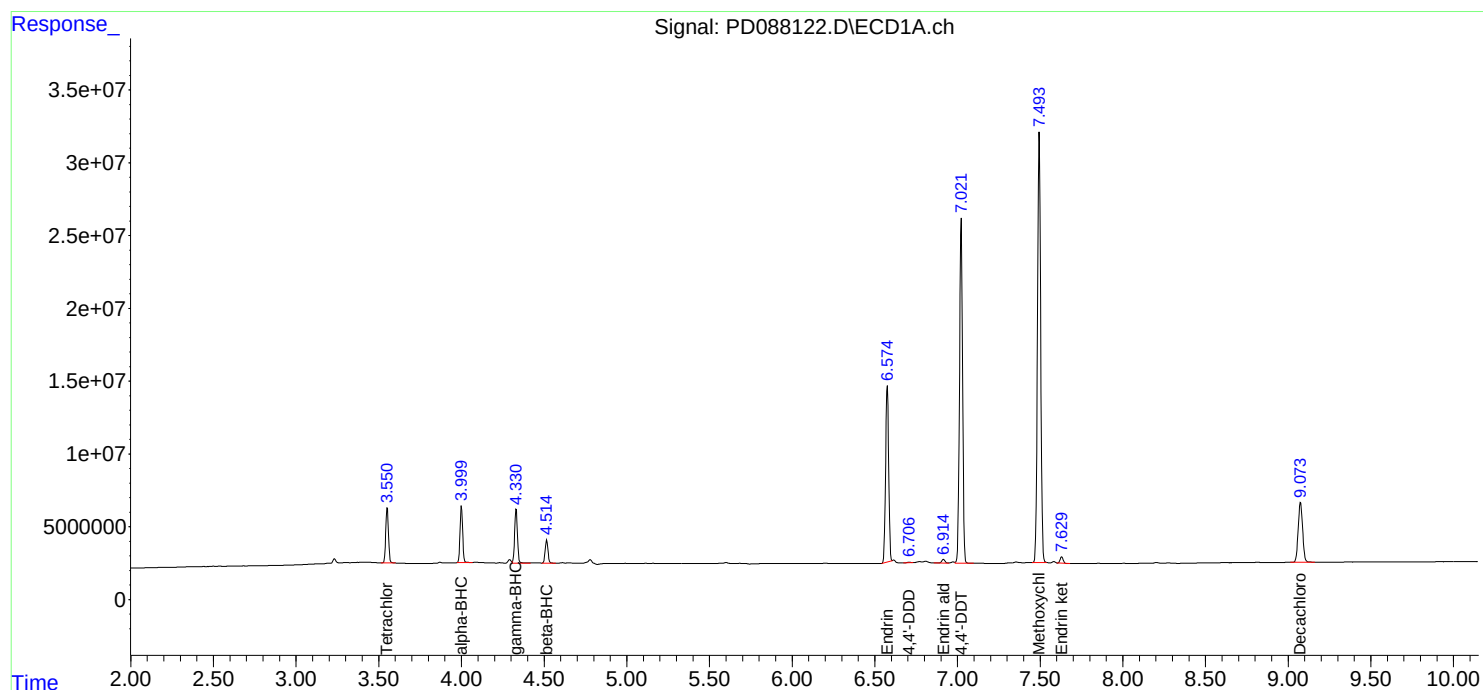
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 04/19/2025
Supervised By : mohammad ahmed 04/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:57 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088365.D Date Analyzed: 05/01/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.073	8.970	9.170	20.730	20.000	3.7
Tetrachloro-m-xylene	3.550	3.500	3.600	21.750	20.000	8.8
alpha-BHC	3.999	3.950	4.050	9.880	10.000	-1.2
beta-BHC	4.515	4.460	4.570	11.390	10.000	13.9
gamma-BHC (Lindane)	4.330	4.280	4.380	10.360	10.000	3.6
Endrin	6.575	6.500	6.650	53.330	50.000	6.7
4,4'-DDT	7.021	6.950	7.090	95.920	100.000	-4.1
Methoxychlor	7.493	7.420	7.560	223.310	250.000	-10.7

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088365.D Date Analyzed: 05/01/2025

Lab Sample No.(PEM): PEM Time Analyzed: 09:55

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.074	7.970	8.170	18.740	20.000	-6.3
Tetrachloro-m-xylene	2.881	2.830	2.930	21.090	20.000	5.5
alpha-BHC	3.394	3.340	3.440	10.870	10.000	8.7
beta-BHC	4.026	3.980	4.080	11.230	10.000	12.3
gamma-BHC (Lindane)	3.730	3.680	3.780	10.780	10.000	7.8
Endrin	5.790	5.720	5.860	46.960	50.000	-6.1
4,4'-DDT	6.185	6.110	6.260	83.920	100.000	-16.1
Methoxychlor	6.755	6.680	6.830	168.520	250.000	-32.6

Data File: PEM
 Operator: PD088365.D Date Acquired 5/1/2025 9:55
 AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	159059781.5	164071662.6	5011881.08	3.05
Endrin aldehyde	6.92	1201765.089			
Endrin ketone	7.63	3810115.994			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	854765799.7	897938343.1	43172543.5	4.81
Endrin aldehyde #2	6.26	9447968.535			
Endrin ketone #2	6.99	33724574.93			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	266416291.8	280302684.9	13886393.1	4.95
4,4'-DDE	6.20	833560.425			
4,4'-DDD	6.70	13052832.72			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.18	1428061771	1521476903	93415131.9	6.14
4,4'-DDE #2	5.38	2421264.928			
4,4'-DDD #2	5.93	90993867			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 09:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/02/2025
 Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:29:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	43448141	308.3E6	21.752	21.087
28) SA Decachlor...	9.073	8.074	68576859	346.2E6	20.730	18.735
Target Compounds						
2) A alpha-BHC	3.999	3.394	42616762	248.5E6	9.883	10.869
3) MA gamma-BHC...	4.330	3.730	43374936	232.2E6	10.358	10.783
6) B beta-BHC	4.515	4.026	18491809	103.9E6	11.391	11.232
12) B 4,4'-DDE	6.196	5.376	833560	2421265	0.253m	0.123m#
14) MA Endrin	6.575	5.790	159.1E6	854.8E6	53.330	46.959
16) A 4,4'-DDD	6.704	5.931	13052833	90993867	5.190	5.553
17) MA 4,4'-DDT	7.021	6.185	266.4E6	1428.1E6	95.918	83.922
18) B Endrin al...	6.917	6.257	1201765	9447969	0.521	0.710m#
20) A Methoxychlor	7.493	6.755	334.9E6	1537.1E6	223.313	168.522
21) B Endrin ke...	7.630	6.991	3810116	33724575	1.234	1.803 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

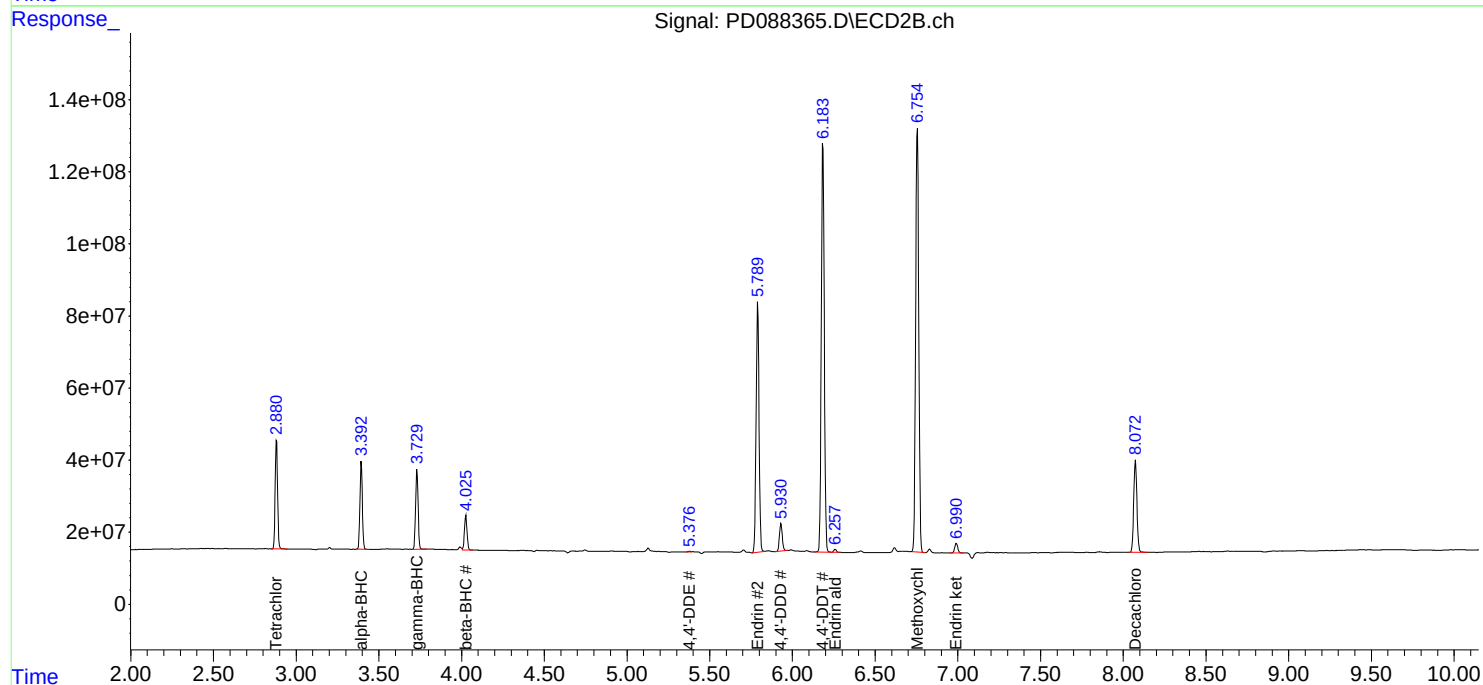
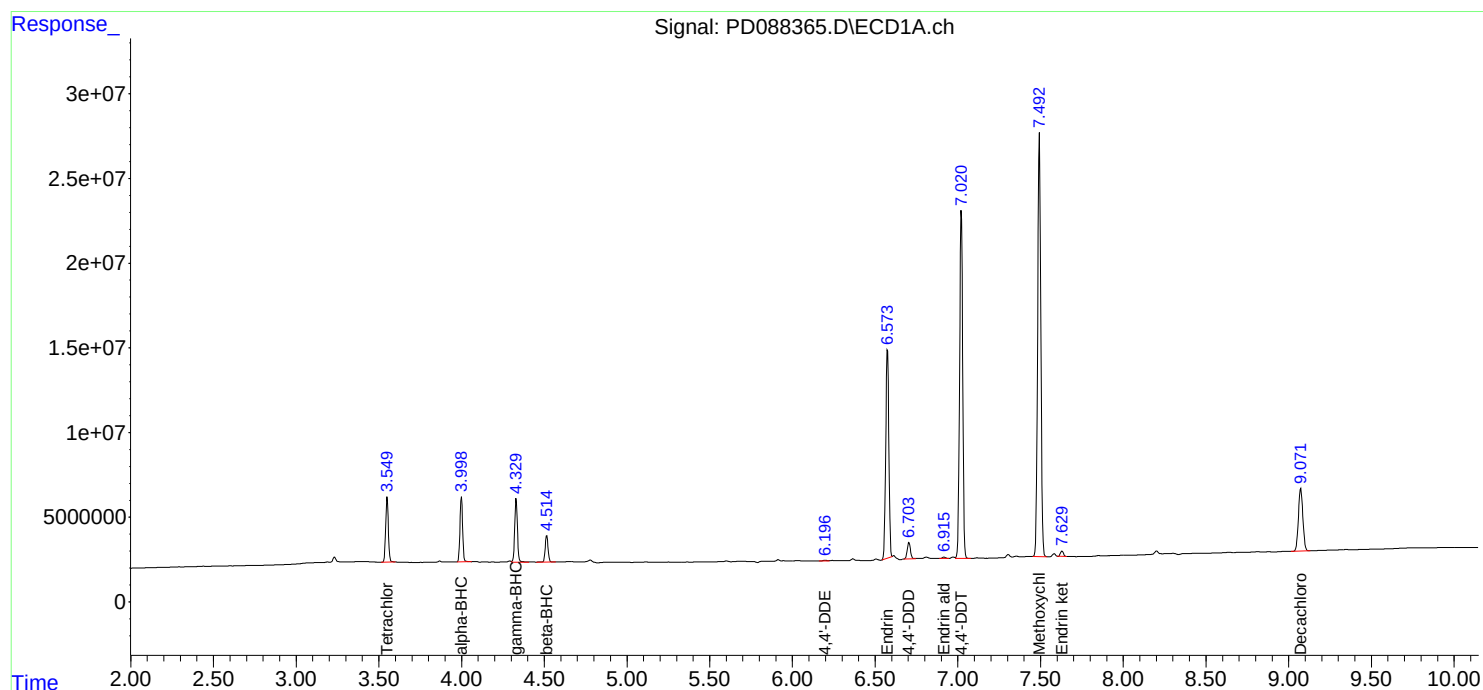
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: AECO02

Lab Code: CHEM Case No.: Q1913 SAS No.: Q1913 SDG NO.: Q1913

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088407.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	9.074	8.970	9.170	22.690	20.000	13.5
Tetrachloro-m-xylene	3.551	3.500	3.600	23.140	20.000	15.7
alpha-BHC	4.000	3.950	4.050	10.620	10.000	6.2
beta-BHC	4.515	4.460	4.570	12.000	10.000	20.0
gamma-BHC (Lindane)	4.331	4.280	4.380	11.000	10.000	10.0
Endrin	6.575	6.500	6.650	55.670	50.000	11.3
4,4'-DDT	7.022	6.950	7.090	101.120	100.000	1.1
Methoxychlor	7.494	7.420	7.560	232.760	250.000	-6.9

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 04/18/2025 04/18/2025

Client Sample No. (PEM): PEM - PD088407.D Date Analyzed: 05/05/2025

Lab Sample No.(PEM): PEM Time Analyzed: 08:30

PEM COMPOUND	RT	RT WINDOW		CALC	NOM	%D
		FROM	TO	AMOUNT(ng)	AMOUNT(ng)	
Decachlorobiphenyl	8.075	7.970	8.180	20.540	20.000	2.7
Tetrachloro-m-xylene	2.882	2.830	2.930	21.950	20.000	9.8
alpha-BHC	3.394	3.340	3.440	11.360	10.000	13.6
beta-BHC	4.026	3.980	4.080	11.750	10.000	17.5
gamma-BHC (Lindane)	3.731	3.680	3.780	11.250	10.000	12.5
Endrin	5.791	5.720	5.860	47.120	50.000	-5.8
4,4'-DDT	6.186	6.120	6.260	85.430	100.000	-14.6
Methoxychlor	6.756	6.690	6.830	161.660	250.000	-35.3

Data File: PEM
 PD088407.D Date Acquired 5/5/2025 8:30
 Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin	6.57	166034055.3	175014567.9	8980512.59	Down 5.13
Endrin aldehyde	6.92	1893607.724			
Endrin ketone	7.63	7086904.865			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	857780273.2	927184610.9	69404337.7	7.49
Endrin aldehyde #2	6.26	15250937.54			
Endrin ketone #2	6.99	54153400.15			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	280863841.5	298894359.2	18030517.7	6.03
4,4'-DDE	6.20	970250.909			
4,4'-DDD	6.71	17060266.83			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD]	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1453802930	1571384611	117581682	7.48
4,4'-DDE #2	5.38	3924595.882			
4,4'-DDD #2	5.93	113657085.8			

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088407.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 08:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:37:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.882	46213230	320.9E6	23.137	21.947
28)	SA Decachlor...	9.074	8.075	75067010	379.6E6	22.692	20.542
Target Compounds							
2)	A alpha-BHC	4.000	3.394	45789341	259.8E6	10.619	11.363
3)	MA gamma-BHC...	4.331	3.731	46058179	242.4E6	10.999	11.254
6)	B beta-BHC	4.515	4.026	19477634	108.7E6	11.998	11.745
12)	B 4,4'-DDE	6.197	5.378	970251	3924596	0.294m	0.199 #
14)	MA Endrin	6.575	5.791	166.0E6	857.8E6	55.668	47.125
16)	A 4,4'-DDD	6.705	5.931	17060267	113.7E6	6.784	6.936
17)	MA 4,4'-DDT	7.022	6.186	280.9E6	1453.8E6	101.120	85.435
18)	B Endrin al...	6.917	6.260	1893608	15250938	0.820	1.147 #
20)	A Methoxychlor	7.494	6.756	349.0E6	1474.5E6	232.761	161.657 #
21)	B Endrin ke...	7.629	6.992	7086905	54153400	2.296m	2.895 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088407.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

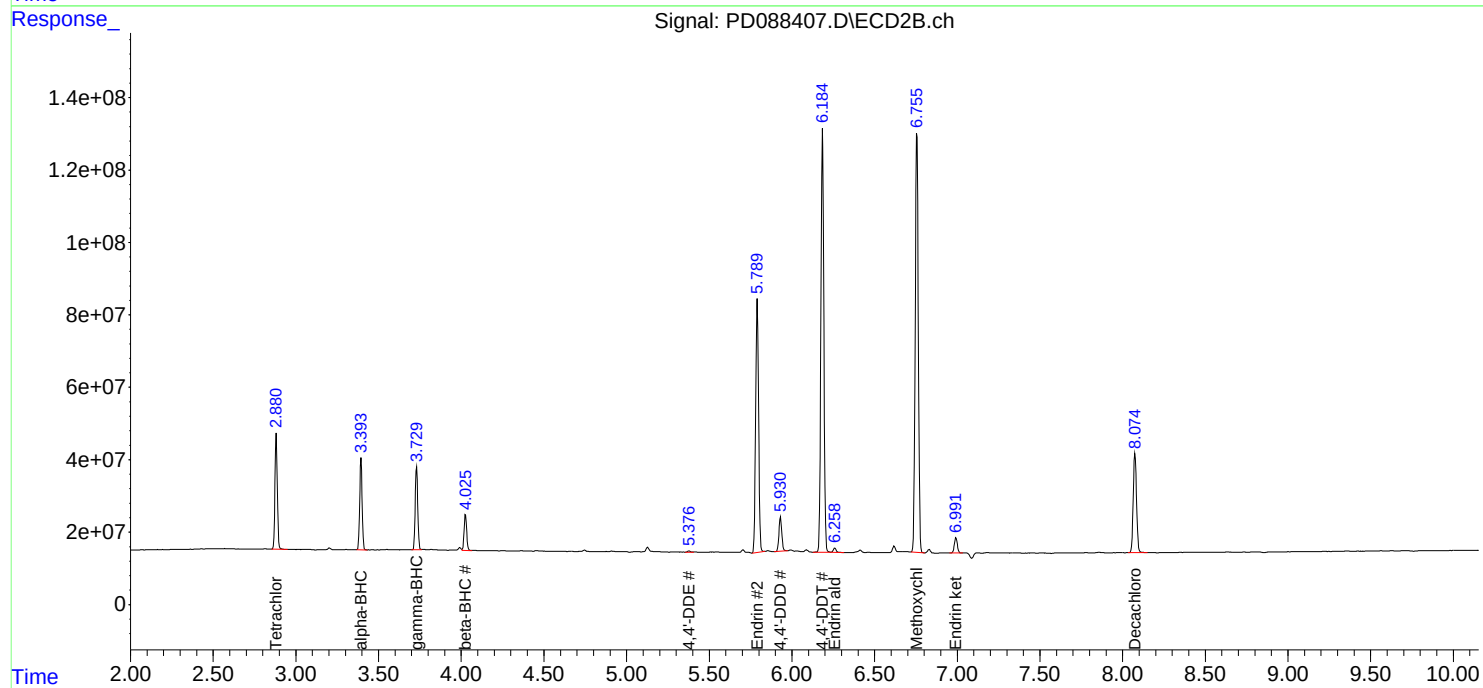
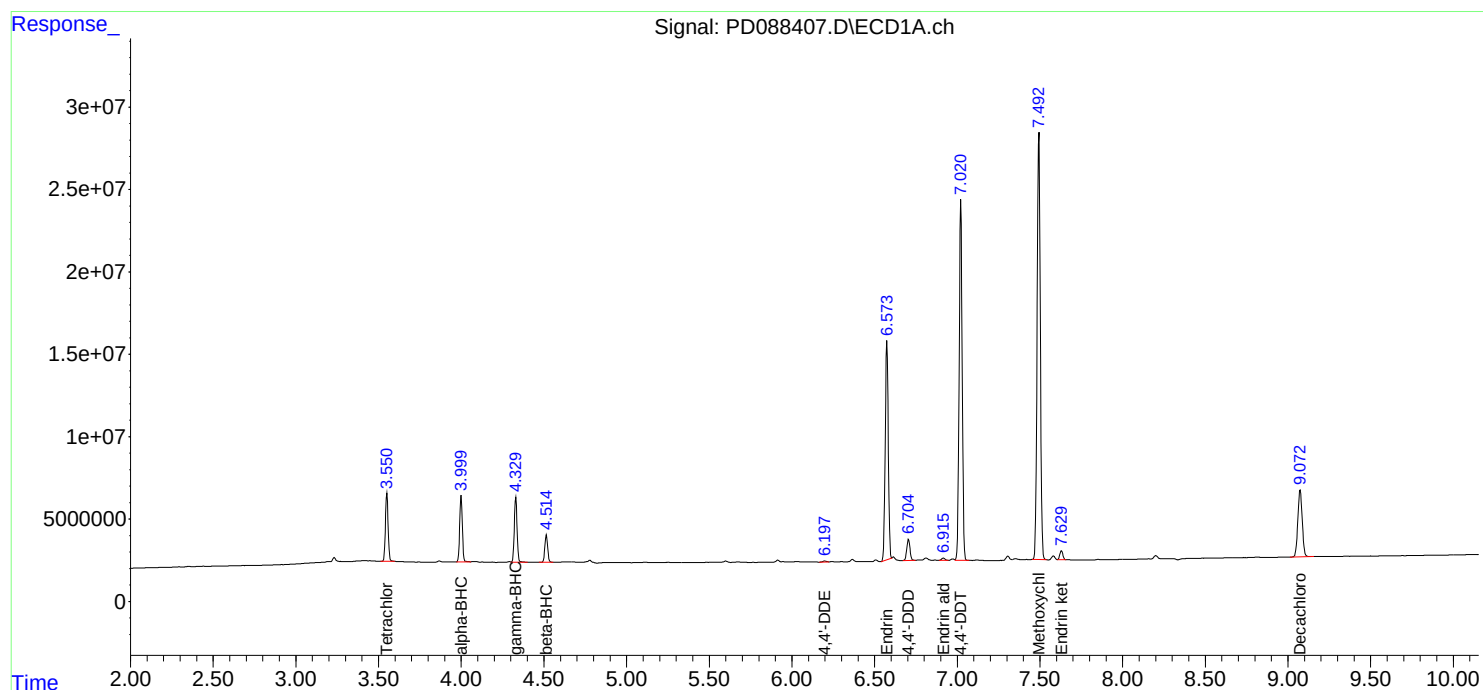
Instrument :
ECD_D
ClientSampleId :
PEM

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:37:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e

Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Title : GC Extractables
Last Update : Sat Apr 19 06:32:27 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.552	5.948	100.00%
5.948	6.077	100.00%
6.077	6.198	100.00%
6.198	6.349	100.00%
6.349	7.151	100.00%
7.151	7.495	100.00%
7.495	7.631	100.00%
7.631	9.075	100.00%

Signal #2

2.883	5.130	100.00%
5.130	5.251	100.00%
5.251	5.379	100.00%
5.379	5.517	100.00%
5.517	6.486	100.00%
6.486	6.759	100.00%
6.759	6.995	100.00%
6.995	8.076	100.00%

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
 Data File : PD088123.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Apr 2025 13:43
 Operator : AR\AJ
 Sample : RESCHK
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 RESCHK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 06:03:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.552	2.883	37870717	290.8E6	18.960	19.885
28)	SA Decachlor...	9.075	8.076	66771462	372.0E6	20.184	20.130
Target Compounds							
9)	A Endosulfan I	6.077	5.251	29410187	177.2E6	8.709	9.836
10)	B gamma-Chl...	5.948	5.130	32853106	209.1E6	9.070	10.304
12)	B 4,4'-DDE	6.198	5.379	60393989	395.9E6	18.311	20.100
13)	MA Dieldrin	6.349	5.517	64800077	392.3E6	18.159	19.682
19)	B Endosulfa...	7.151	6.486	54061534	339.7E6	18.799	19.830
20)	A Methoxychlor	7.495	6.758	137.4E6	780.0E6	91.608	85.519
21)	B Endrin ke...	7.631	6.995	57978754	371.5E6	18.784	19.864

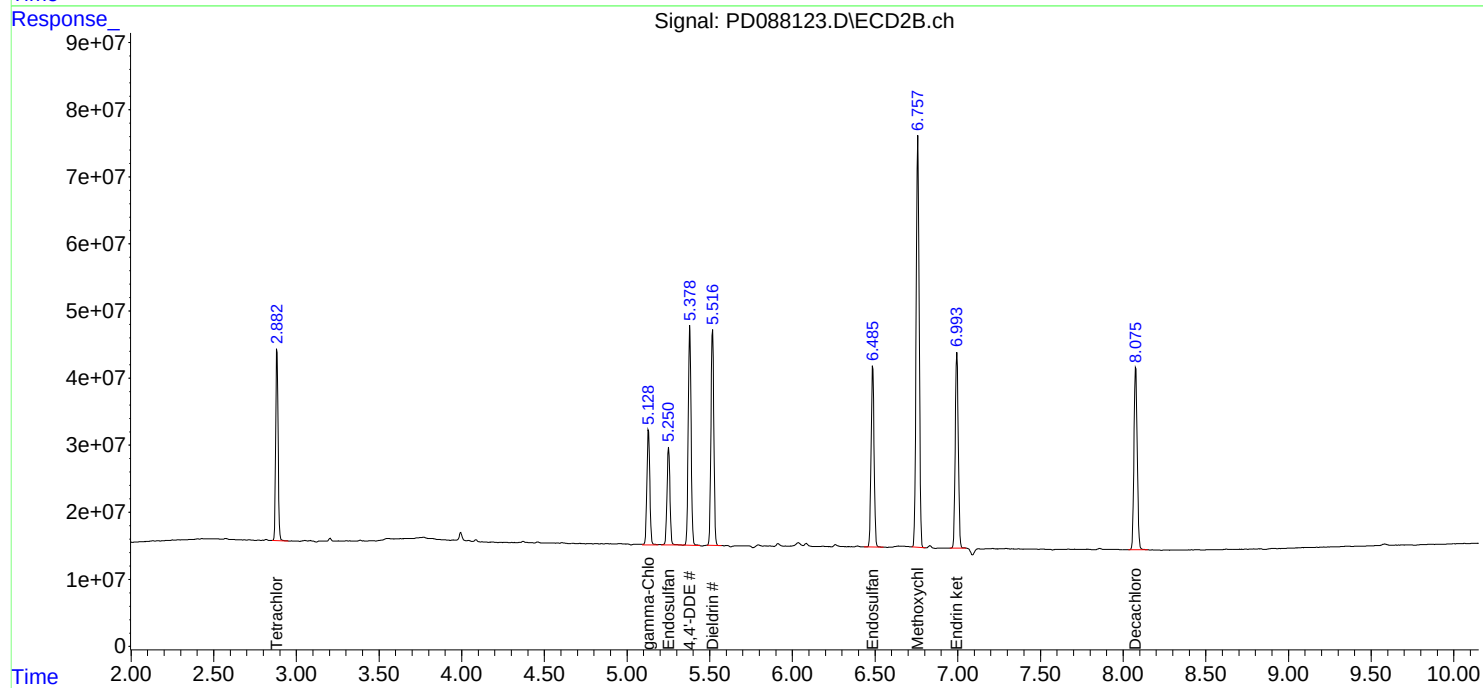
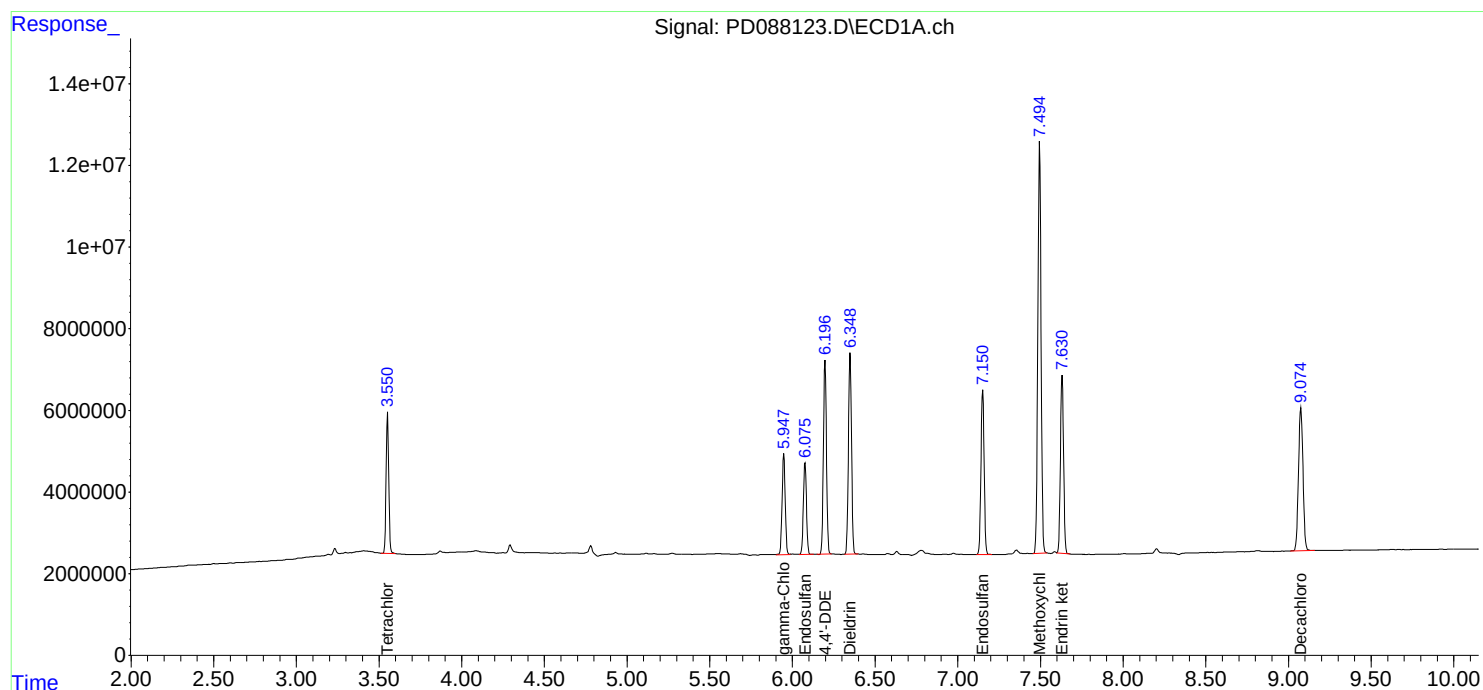
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 21 06:03:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

Instrument ID: ECD_D

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/18/2025 04/18/2025

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 #
LBLK	LBLK	04/18/2025	13:15	PD088121.D	9.07	3.55
PEM	PEM	04/18/2025	13:29	PD088122.D	9.08	3.55
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	9.08	3.55
PSTDICCC100	PSTDICCC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICCC075	PSTDICCC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICCC050	PSTDICCC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICCC025	PSTDICCC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICCC005	PSTDICCC005	04/18/2025	14:51	PD088128.D	9.08	3.55
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	9.07	3.55
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	9.07	3.55
PEM	PEM	05/01/2025	09:55	PD088365.D	9.07	3.55
LBLK	LBLK	05/01/2025	11:56	PD088368.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/01/2025	12:09	PD088369.D	9.07	3.55
PB167820BL	PB167820BL	05/01/2025	13:39	PD088370.D	9.09	3.56
PB167820BS	PB167820BS	05/01/2025	13:53	PD088371.D	9.08	3.55
PB167774TB	PB167774TB	05/01/2025	14:06	PD088372.D	9.07	3.55
PB167805TB	PB167805TB	05/01/2025	14:20	PD088373.D	9.07	3.55
WC-12-A-202504	Q1913-02	05/01/2025	14:34	PD088374.D	9.07	3.55
WC-13-A-202504	Q1913-04	05/01/2025	14:47	PD088375.D	9.07	3.55
B-167-SB01MS	Q1901-08MS	05/01/2025	15:15	PD088377.D	9.07	3.55
B-167-SB01MSD	Q1901-08MSD	05/01/2025	15:28	PD088378.D	9.07	3.55
LBLK	LBLK	05/01/2025	16:37	PD088383.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/01/2025	17:19	PD088384.D	9.08	3.55
LBLK	LBLK	05/05/2025	08:17	PD088406.D	9.07	3.55
PEM	PEM	05/05/2025	08:30	PD088407.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/05/2025	08:44	PD088408.D	9.07	3.55
PB167848BL	PB167848BL	05/05/2025	09:04	PD088409.D	9.08	3.56
PB167848BS	PB167848BS	05/05/2025	09:18	PD088410.D	9.07	3.55
WC-12-S-202504	Q1913-01	05/05/2025	09:59	PD088412.D	9.07	3.55
WC-13-S-202504	Q1913-03	05/05/2025	10:12	PD088413.D	9.07	3.55
LBLK	LBLK	05/05/2025	10:26	PD088414.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/05/2025	10:40	PD088415.D	9.07	3.55
WC-A4-02-CMS	Q1929-03MS	05/05/2025	11:07	PD088417.D	9.07	3.55
WC-A4-02-CMSD	Q1929-03MSD	05/05/2025	11:21	PD088418.D	9.07	3.55
LBLK	LBLK	05/05/2025	13:03	PD088421.D	9.07	3.55
PSTDCCC050	PSTDCCC050	05/05/2025	13:47	PD088422.D	9.08	3.56

Analytical Sequence

Client: AECOM

SDG No.: Q1913

Project: Meeker Ave Plumes Superfund Site RI FS

Instrument ID: ECD_D

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 04/18/2025 04/18/2025

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	04/18/2025	13:15	PD088121.D	8.08	2.88
PEM	PEM	04/18/2025	13:29	PD088122.D	8.08	2.88
RESCHK	RESCHK	04/18/2025	13:43	PD088123.D	8.08	2.88
PSTDICCC100	PSTDICCC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICCC075	PSTDICCC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICCC050	PSTDICCC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICCC025	PSTDICCC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICCC005	PSTDICCC005	04/18/2025	14:51	PD088128.D	8.08	2.88
PCHLORICC500	PCHLORICC500	04/18/2025	15:32	PD088131.D	8.08	2.88
PTOXICC500	PTOXICC500	04/18/2025	16:40	PD088136.D	8.08	2.88
PEM	PEM	05/01/2025	09:55	PD088365.D	8.07	2.88
IBLK	IBLK	05/01/2025	11:56	PD088368.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/01/2025	12:09	PD088369.D	8.08	2.88
PB167820BL	PB167820BL	05/01/2025	13:39	PD088370.D	8.08	2.88
PB167820BS	PB167820BS	05/01/2025	13:53	PD088371.D	8.08	2.88
PB167774TB	PB167774TB	05/01/2025	14:06	PD088372.D	8.07	2.88
PB167805TB	PB167805TB	05/01/2025	14:20	PD088373.D	8.08	2.88
WC-12-A-202504	Q1913-02	05/01/2025	14:34	PD088374.D	8.08	2.88
WC-13-A-202504	Q1913-04	05/01/2025	14:47	PD088375.D	8.08	2.88
B-167-SB01MS	Q1901-08MS	05/01/2025	15:15	PD088377.D	8.08	2.88
B-167-SB01MSD	Q1901-08MSD	05/01/2025	15:28	PD088378.D	8.08	2.88
IBLK	IBLK	05/01/2025	16:37	PD088383.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/01/2025	17:19	PD088384.D	8.08	2.88
IBLK	IBLK	05/05/2025	08:17	PD088406.D	8.07	2.88
PEM	PEM	05/05/2025	08:30	PD088407.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/05/2025	08:44	PD088408.D	8.07	2.88
PB167848BL	PB167848BL	05/05/2025	09:04	PD088409.D	8.08	2.88
PB167848BS	PB167848BS	05/05/2025	09:18	PD088410.D	8.08	2.88
WC-12-S-202504	Q1913-01	05/05/2025	09:59	PD088412.D	8.07	2.88
WC-13-S-202504	Q1913-03	05/05/2025	10:12	PD088413.D	8.07	2.88
IBLK	IBLK	05/05/2025	10:26	PD088414.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/05/2025	10:40	PD088415.D	8.07	2.88
WC-A4-02-CMS	Q1929-03MS	05/05/2025	11:07	PD088417.D	8.07	2.88
WC-A4-02-CMSD	Q1929-03MSD	05/05/2025	11:21	PD088418.D	8.07	2.88
IBLK	IBLK	05/05/2025	13:03	PD088421.D	8.07	2.88
PSTDCCC050	PSTDCCC050	05/05/2025	13:47	PD088422.D	8.08	2.88

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-167-SB01MS

Contract: AECO02

Lab Code: CHEM

Case No.: Q1913

SAS No.: Q1913

SDG NO.: Q1913

Lab Sample ID: Q1901-08MS

Date(s) Analyzed: 05/01/2025

05/01/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.58	6.53	6.63	5.50	13.6
	2	5.79	5.74	5.84	4.80	
Methoxychlor	1	7.49	7.44	7.54	5.10	10.3
	2	6.76	6.71	6.81	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.50	11.5
	2	3.73	3.68	3.78	4.90	
Heptachlor	1	4.93	4.88	4.98	5.40	13.9
	2	4.09	4.04	4.14	4.70	
Heptachlor epoxide	1	5.69	5.64	5.74	5.60	13.3
	2	4.88	4.83	4.93	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

B-167-SB01MSD

Contract: AECO02

Lab Code: CHEM **Case No.:** Q1913

SAS No.: Q1913 **SDG NO.:** Q1913

Lab Sample ID: Q1901-08MSD

Date(s) Analyzed: 05/01/2025 05/01/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.58	6.53	6.63	5.50	11.5
	2	5.79	5.74	5.84	4.90	
Methoxychlor	1	7.49	7.44	7.54	5.00	8.3
	2	6.76	6.71	6.81	4.60	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.50	11.5
	2	3.73	3.68	3.78	4.90	
Heptachlor	1	4.93	4.88	4.98	5.40	13.9
	2	4.09	4.04	4.14	4.70	
Heptachlor epoxide	1	5.69	5.64	5.74	5.50	11.5
	2	4.88	4.83	4.93	4.90	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167820BS

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: PB167820BS

Date(s) Analyzed: 05/01/2025 05/01/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	0.46	8.3
	2	6.76	6.71	6.81	0.43	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.52	8.6
	2	3.73	3.68	3.78	0.48	
Heptachlor	1	4.93	4.88	4.98	0.52	11.3
	2	4.08	4.03	4.13	0.46	
Heptachlor epoxide	1	5.69	5.64	5.74	0.53	9.9
	2	4.87	4.82	4.92	0.48	
Endrin	1	6.58	6.53	6.63	0.51	11.2
	2	5.79	5.74	5.84	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167848BS

Contract: AECO02

Lab Code: CHEM

Case No.: Q1913

SAS No.: Q1913

SDG NO.: Q1913

Lab Sample ID: PB167848BS

Date(s) Analyzed: 05/05/2025

05/05/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

GC Column: (1): ZB-MR1

ID: 0.32 (mm)

GC Column:(2): ZB-MR2

ID: 0.32 (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	0.49	15.4
	2	6.76	6.71	6.81	0.42	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.54	11.1
	2	3.73	3.68	3.78	0.48	
Heptachlor	1	4.93	4.88	4.98	0.54	15.4
	2	4.09	4.04	4.14	0.46	
Heptachlor epoxide	1	5.69	5.64	5.74	0.55	11.8
	2	4.88	4.83	4.93	0.49	
Endrin	1	6.58	6.53	6.63	0.53	14.9
	2	5.79	5.74	5.84	0.46	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-A4-02-CMS

Contract: AECO02

Lab Code: CHEM Case No.: Q1913

SAS No.: Q1913 SDG NO.: Q1913

Lab Sample ID: Q1929-03MS

Date(s) Analyzed: 05/05/2025 05/05/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Methoxychlor	1	7.49	7.44	7.54	5.10	14.7
	2	6.76	6.71	6.81	4.40	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.50	20
	2	3.73	3.68	3.78	4.50	
Heptachlor	1	4.93	4.88	4.98	5.50	13.6
	2	4.08	4.03	4.13	4.80	
Heptachlor epoxide	1	5.69	5.64	5.74	5.60	13.3
	2	4.87	4.82	4.92	4.90	
Endrin	1	6.57	6.52	6.62	5.70	17.1
	2	5.79	5.74	5.84	4.80	

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

WC-A4-02-CMSD

Contract: AECO02

Lab Code: CHEM **Case No.:** Q1913

SAS No.: Q1913 **SDG NO.:** Q1913

Lab Sample ID: Q1929-03MSD

Date(s) Analyzed: 05/05/2025 05/05/2025

Instrument ID (1): ECD_D

Instrument ID (2): ECD_D

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Endrin	1	6.57	6.52	6.62	5.70	17.1
	2	5.79	5.74	5.84	4.80	
Methoxychlor	1	7.49	7.44	7.54	5.10	14.7
	2	6.76	6.71	6.81	4.40	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	5.50	20
	2	3.73	3.68	3.78	4.50	
Heptachlor	1	4.93	4.88	4.98	5.50	17.8
	2	4.08	4.03	4.13	4.60	
Heptachlor epoxide	1	5.69	5.64	5.74	5.70	15.1
	2	4.87	4.82	4.92	4.90	



QC SAMPLE DATA

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	
Client Sample ID:	PB167820BL	SDG No.:	Q1913
Lab Sample ID:	PB167820BL	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
PD088370.D	1	05/01/25 08:56	05/01/25 13:39	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		43 - 140	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.5		77 - 126	92%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:39
Operator : AR\AJ
Sample : PB167820BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167820BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.558	2.881	35908305	270.0E6	17.978	18.464
28) SA Decachlor...	9.085	8.077	61588544	310.0E6	18.617	16.773

Target Compounds

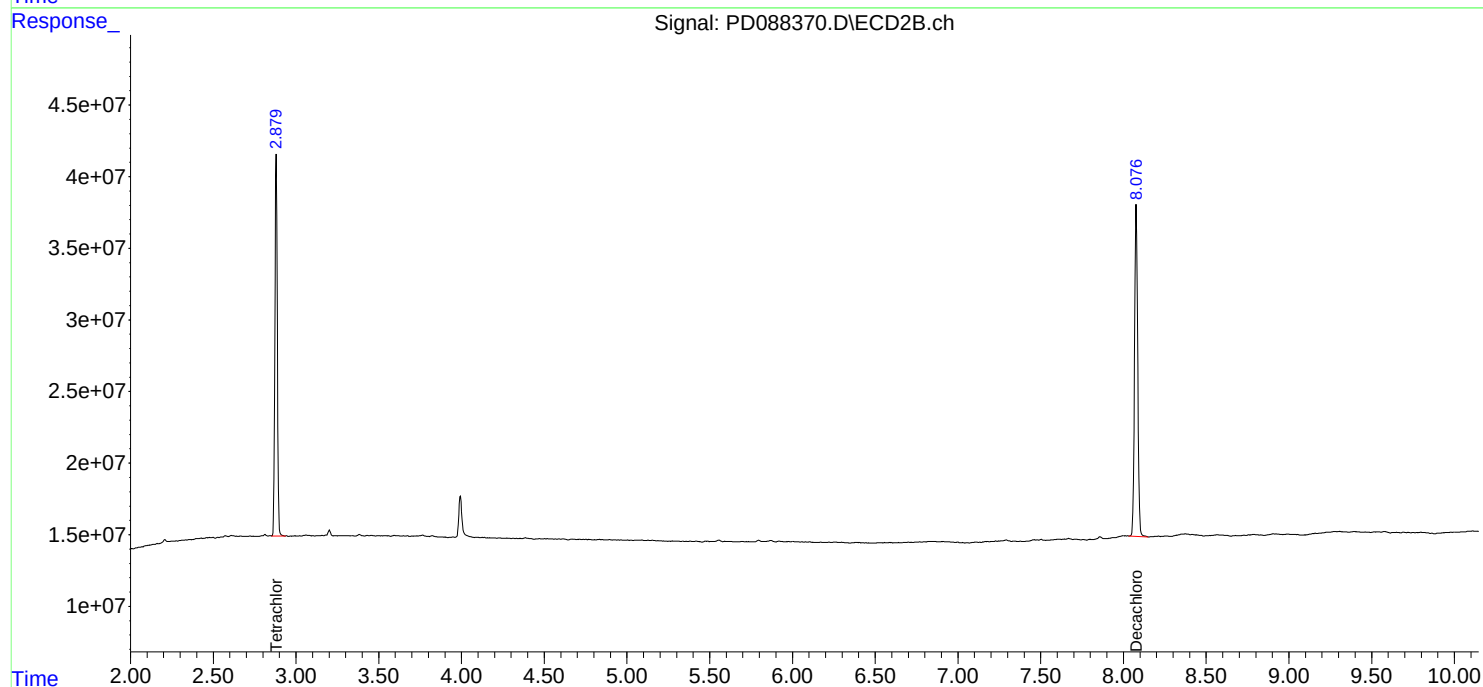
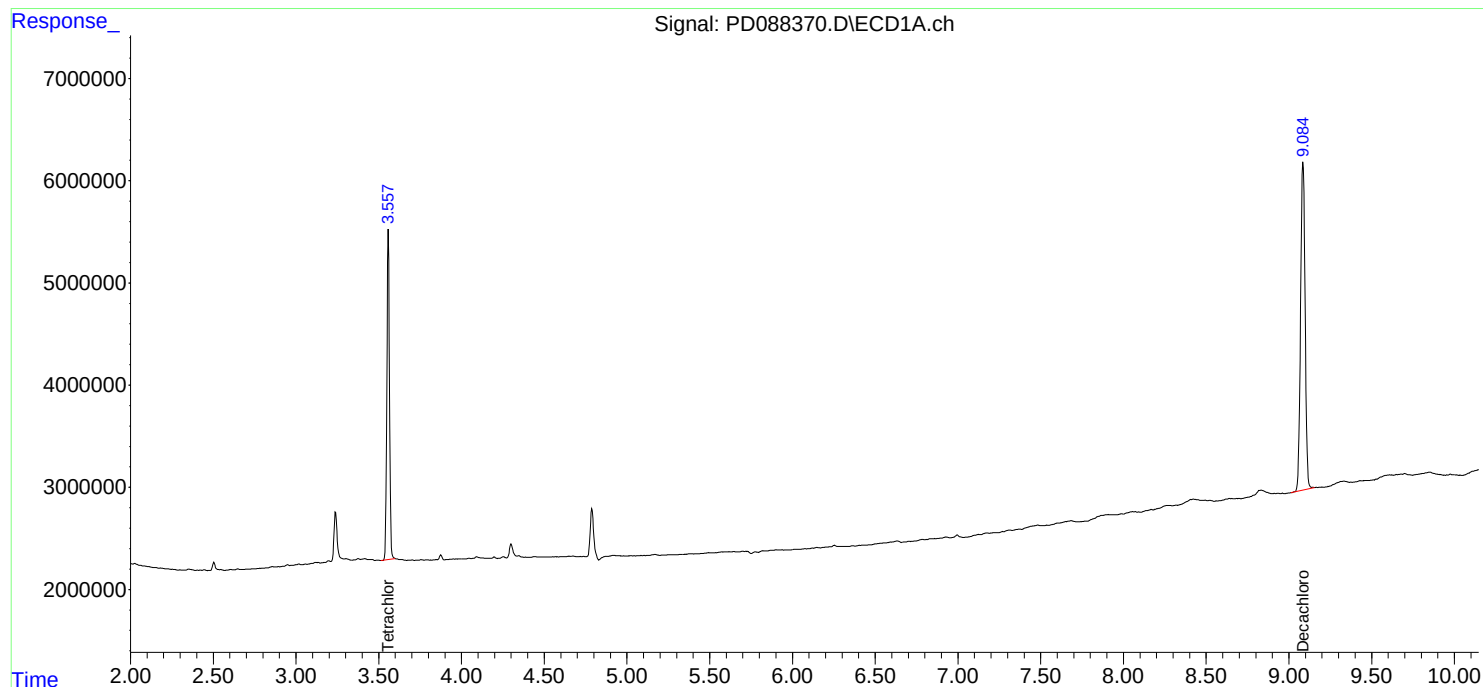
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

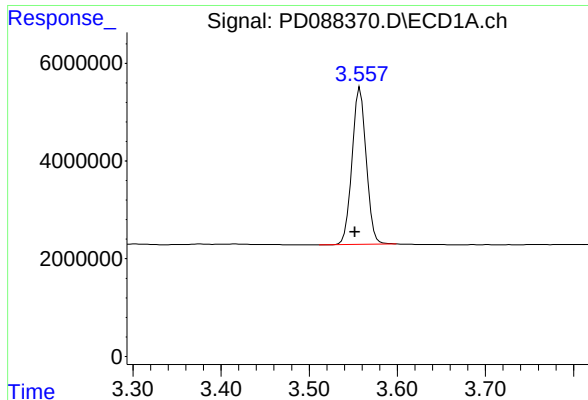
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088370.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:39
Operator : AR\AJ
Sample : PB167820BL
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167820BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:07 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

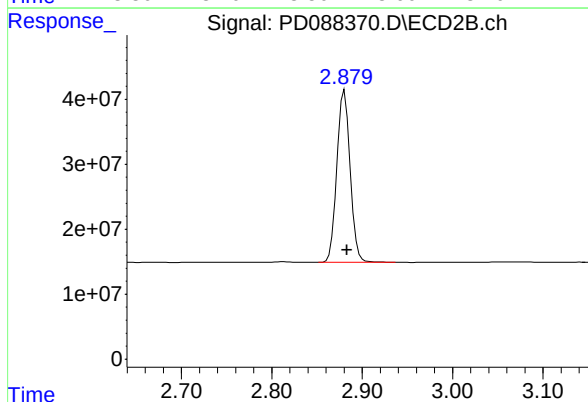




#1 Tetrachloro-m-xylene

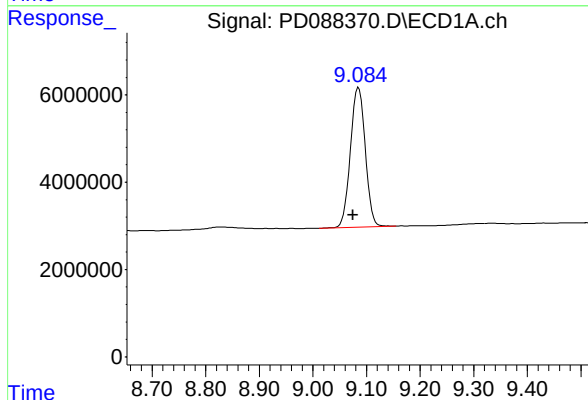
R.T.: 3.558 min
Delta R.T.: 0.006 min
Response: 35908305
Conc: 17.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167820BL



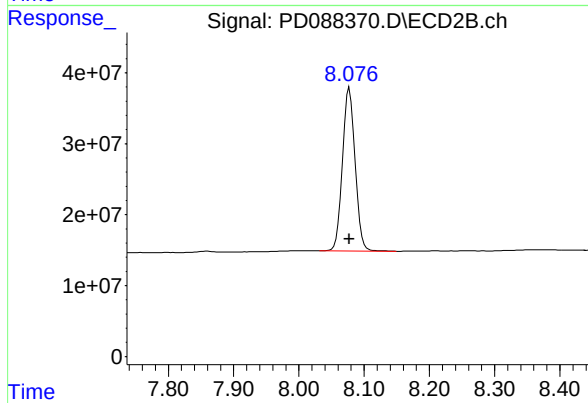
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 269968842
Conc: 18.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.010 min
Response: 61588544
Conc: 18.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 309963841
Conc: 16.77 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	
Client Sample ID:	PB167848BL	SDG No.:	Q1913
Lab Sample ID:	PB167848BL	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
PD088409.D	1	05/02/25 12:44	05/05/25 09:04	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:04
Operator : AR\AJ
Sample : PB167848BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.557	2.882	38501116	280.8E6	19.276	19.205
28) SA Decachlor...	9.081	8.077	67812037	341.4E6	20.499	18.475

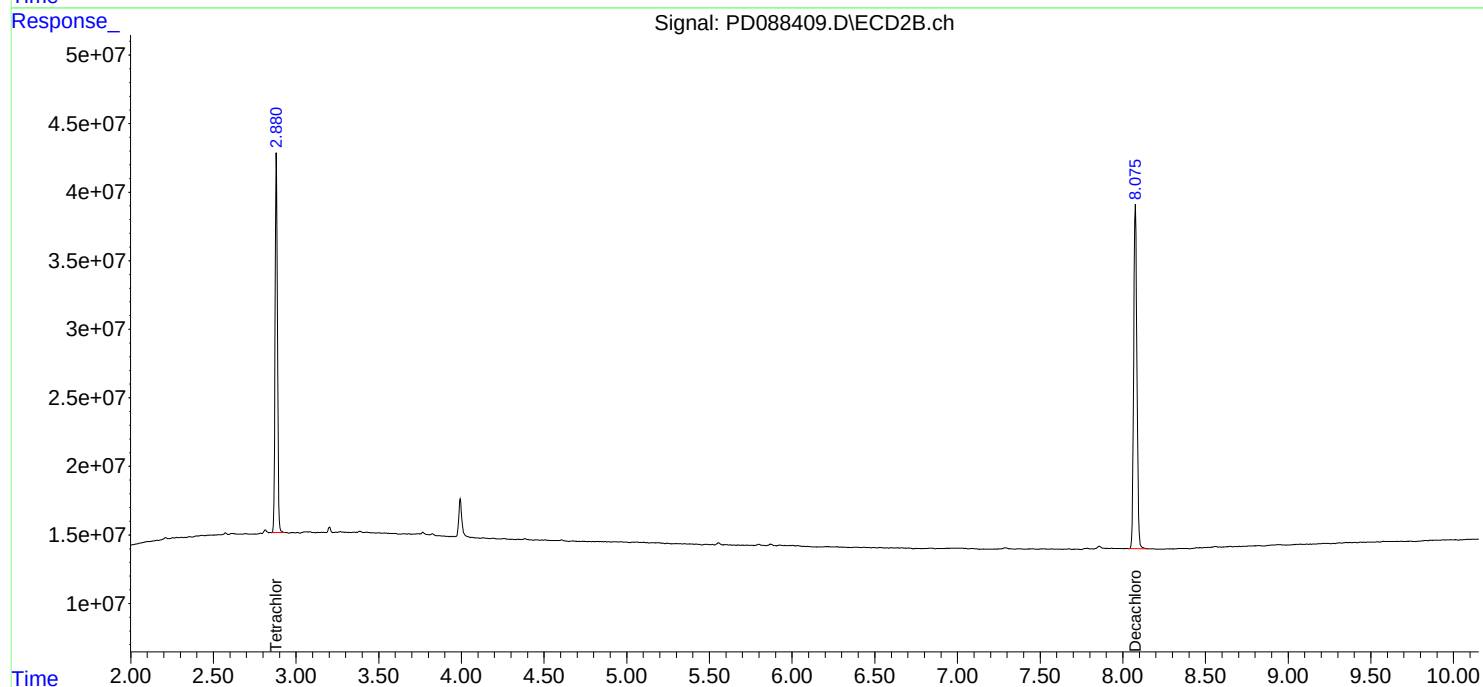
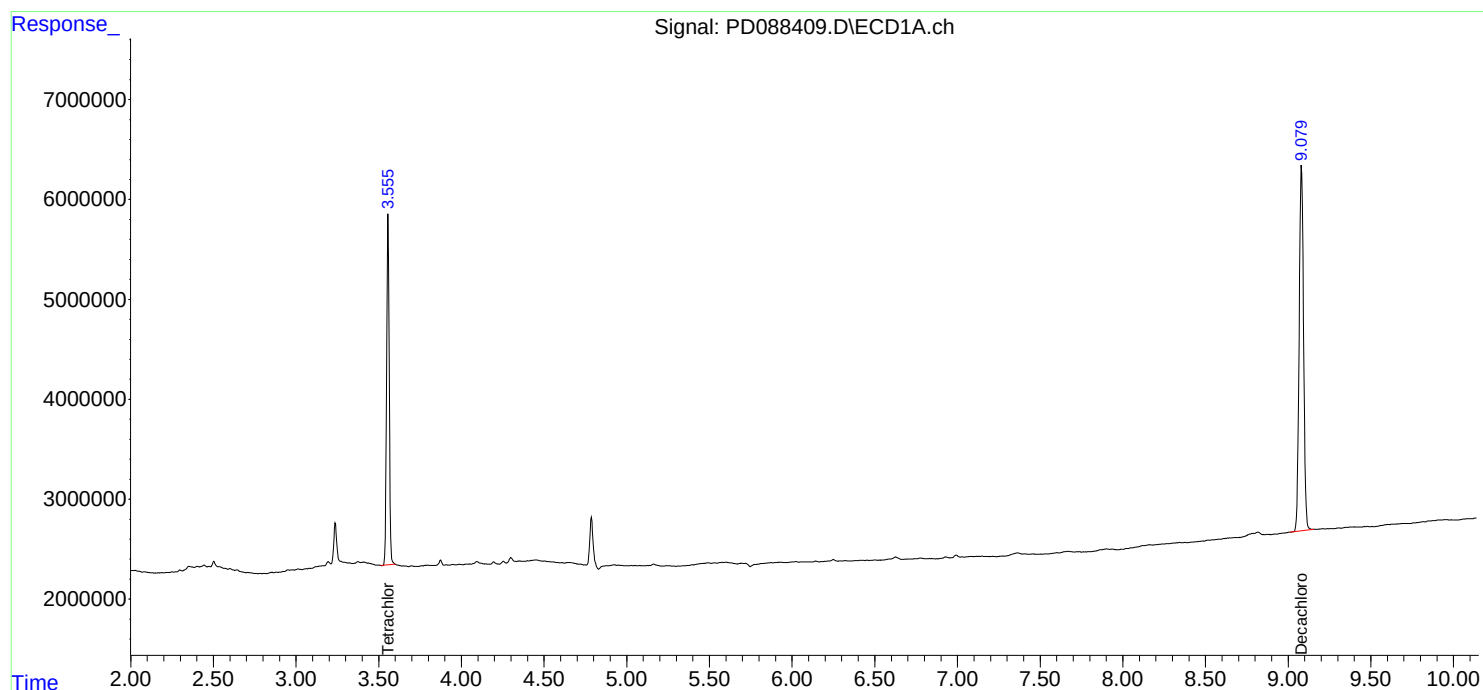
Target Compounds

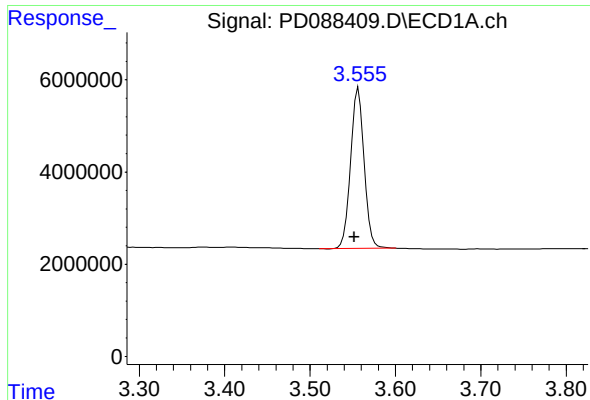
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088409.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:04
Operator : AR\AJ
Sample : PB167848BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

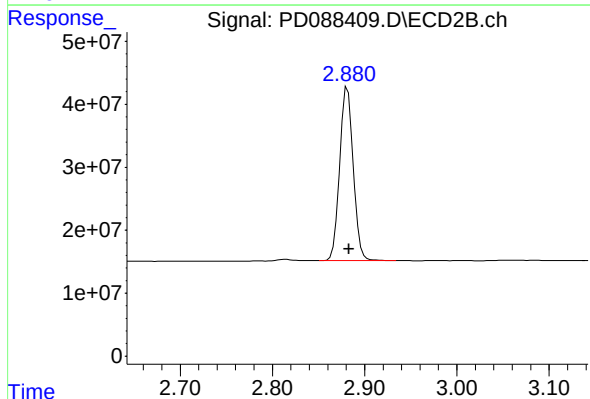
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





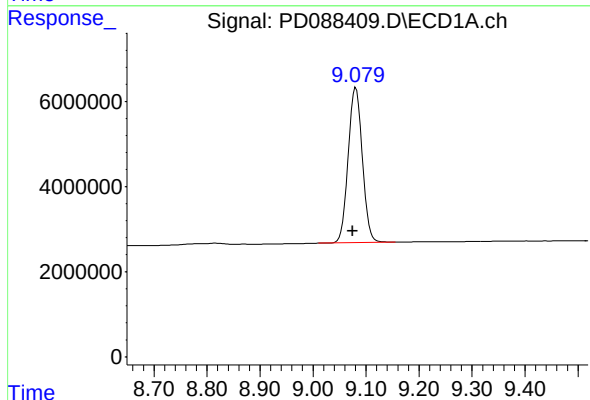
#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.005 min
Response: 38501116
Conc: 19.28 ng/ml



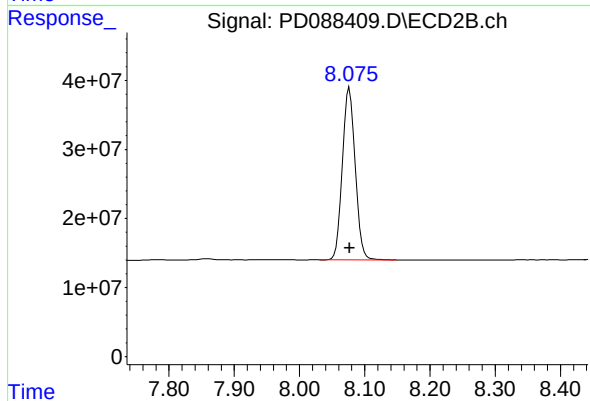
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.002 min
Response: 280813919
Conc: 19.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.006 min
Response: 67812037
Conc: 20.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 341412508
Conc: 18.48 ng/ml

Report of Analysis

Client:	AECOM			Date Collected:	04/18/25		
Project:	Meeker Ave Plumes Superfund Site RI FS			Date Received:	04/18/25		
Client Sample ID:	PIBLK-PD088121.D			SDG No.:	Q1913		
Lab Sample ID:	I.BLK-PD088121.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
PD088121.D	1		04/18/25	PD041825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.9		43 - 140	115%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.552	2.883	40168059	305.0E6	20.110	20.857
28) SA Decachlor...	9.074	8.076	75778794	419.0E6	22.907	22.673

Target Compounds

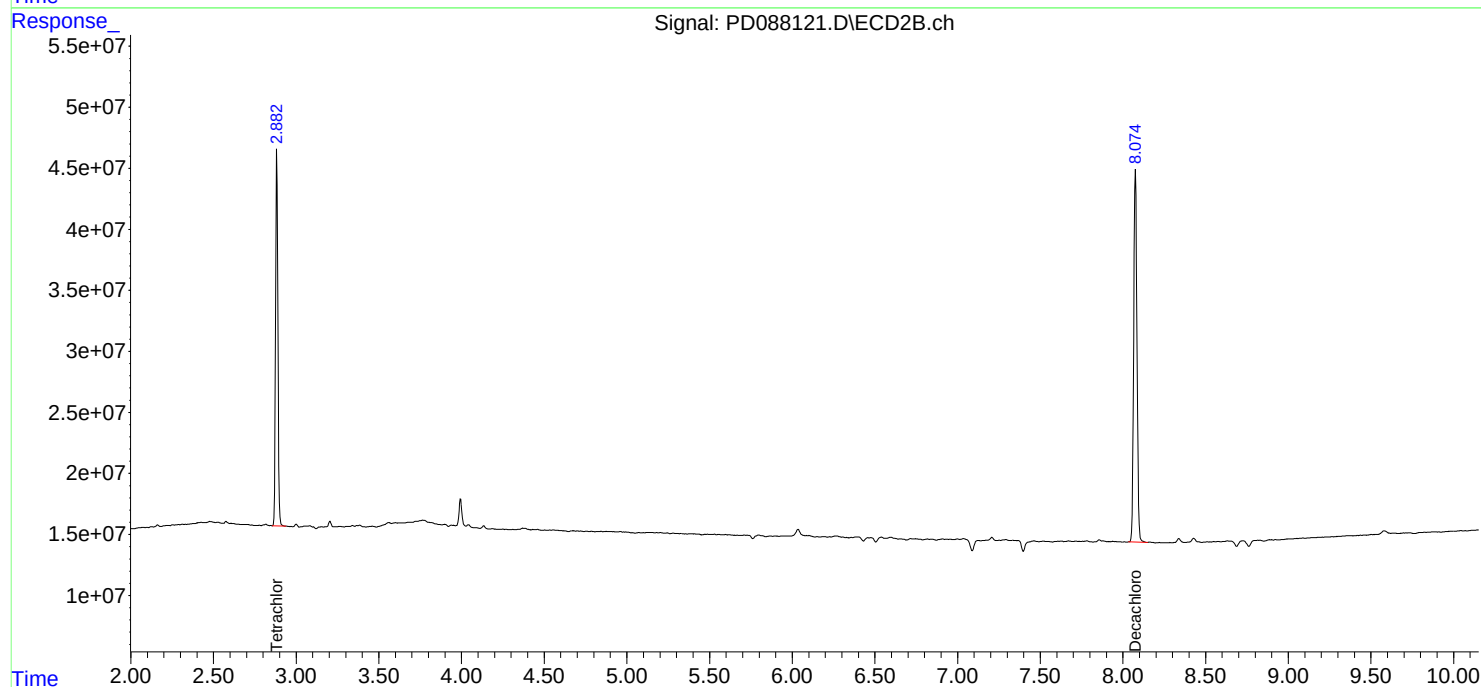
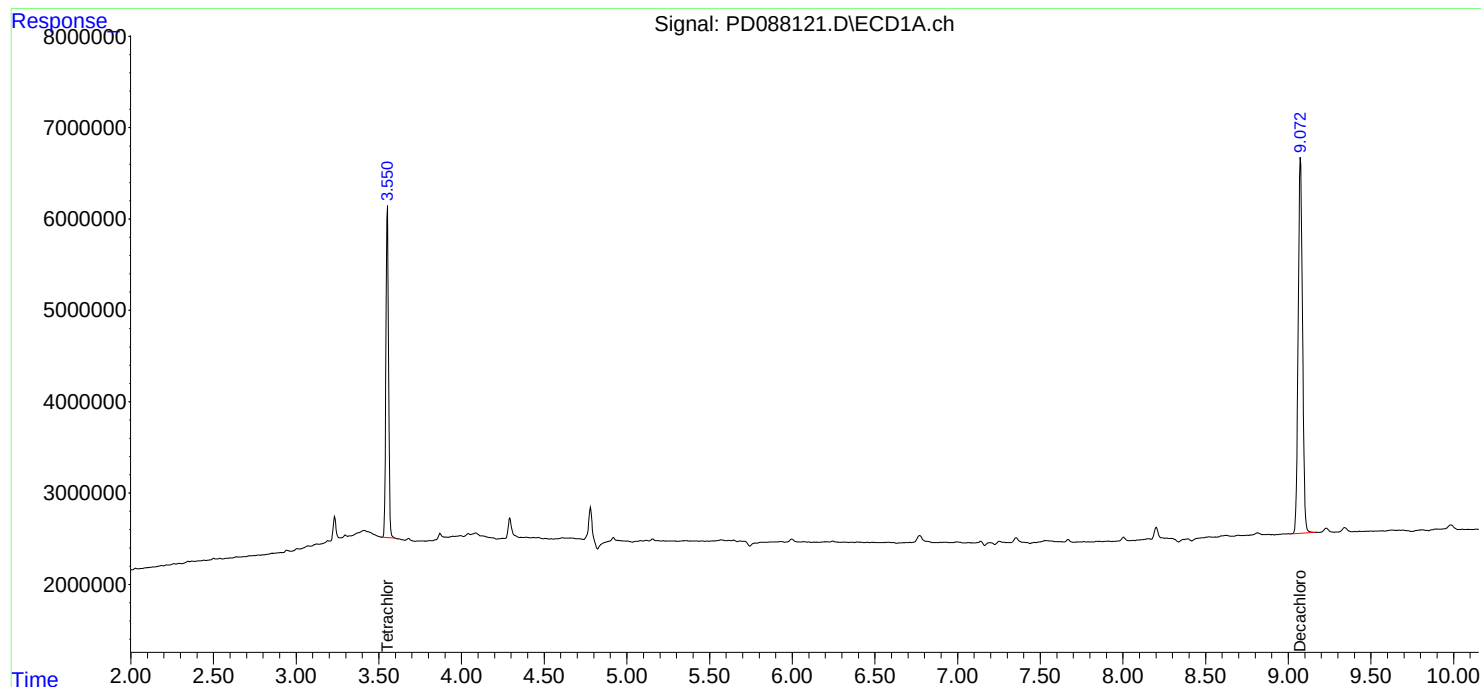
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

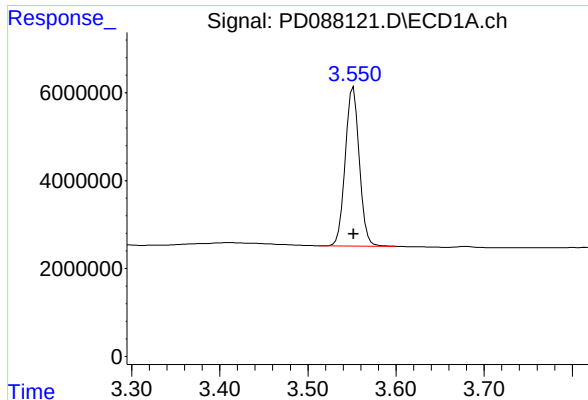
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 19 06:41:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

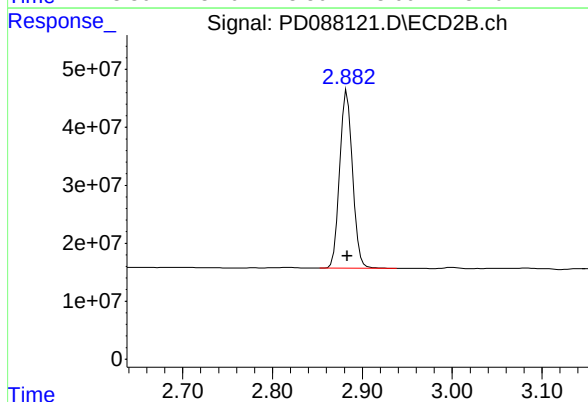




#1 Tetrachloro-m-xylene

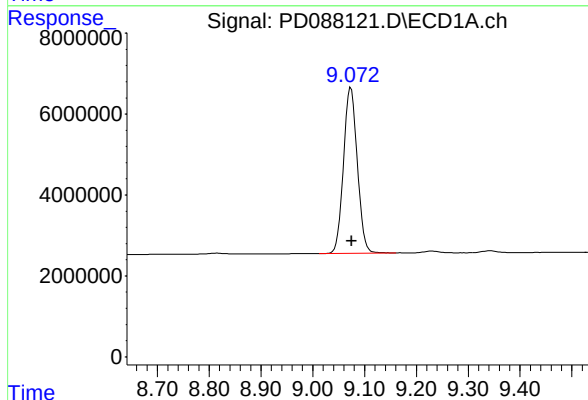
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40168059
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



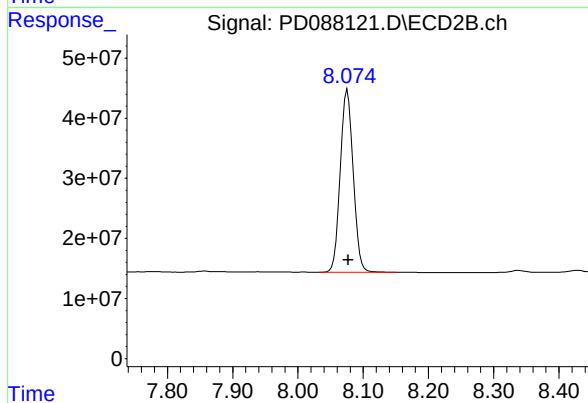
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 304969472
Conc: 20.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 75778794
Conc: 22.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 418982365
Conc: 22.67 ng/ml

Report of Analysis

Client:	AECOM			Date Collected:	05/01/25	
Project:	Meeker Ave Plumes Superfund Site RI FS			Date Received:	05/01/25	
Client Sample ID:	PIBLK-PD088368.D			SDG No.:	Q1913	
Lab Sample ID:	I.BLK-PD088368.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
PD088368.D	1		05/01/25	pd050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 11:56
 Operator : AR\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:30:42 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.881	40763550	289.7E6	20.408	19.814
28) SA Decachlor...	9.074	8.075	68410643	348.9E6	20.680	18.882

Target Compounds

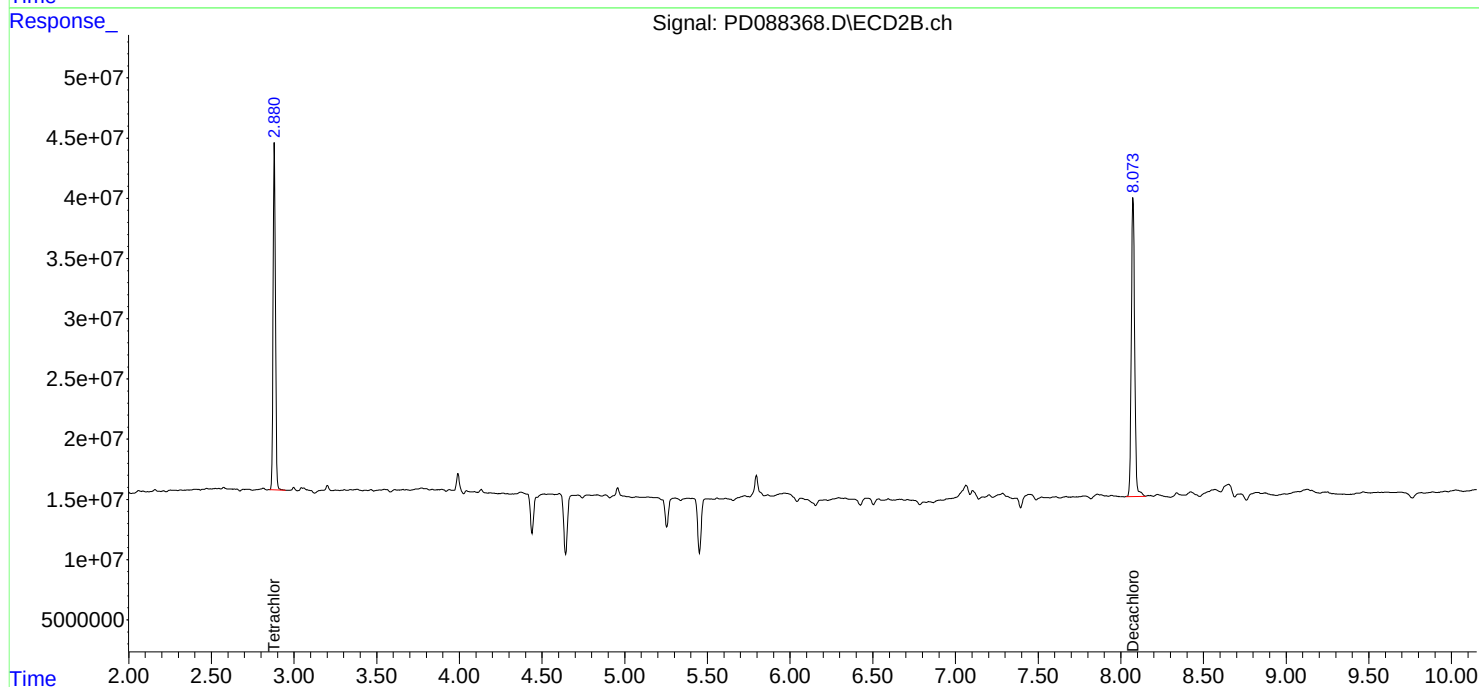
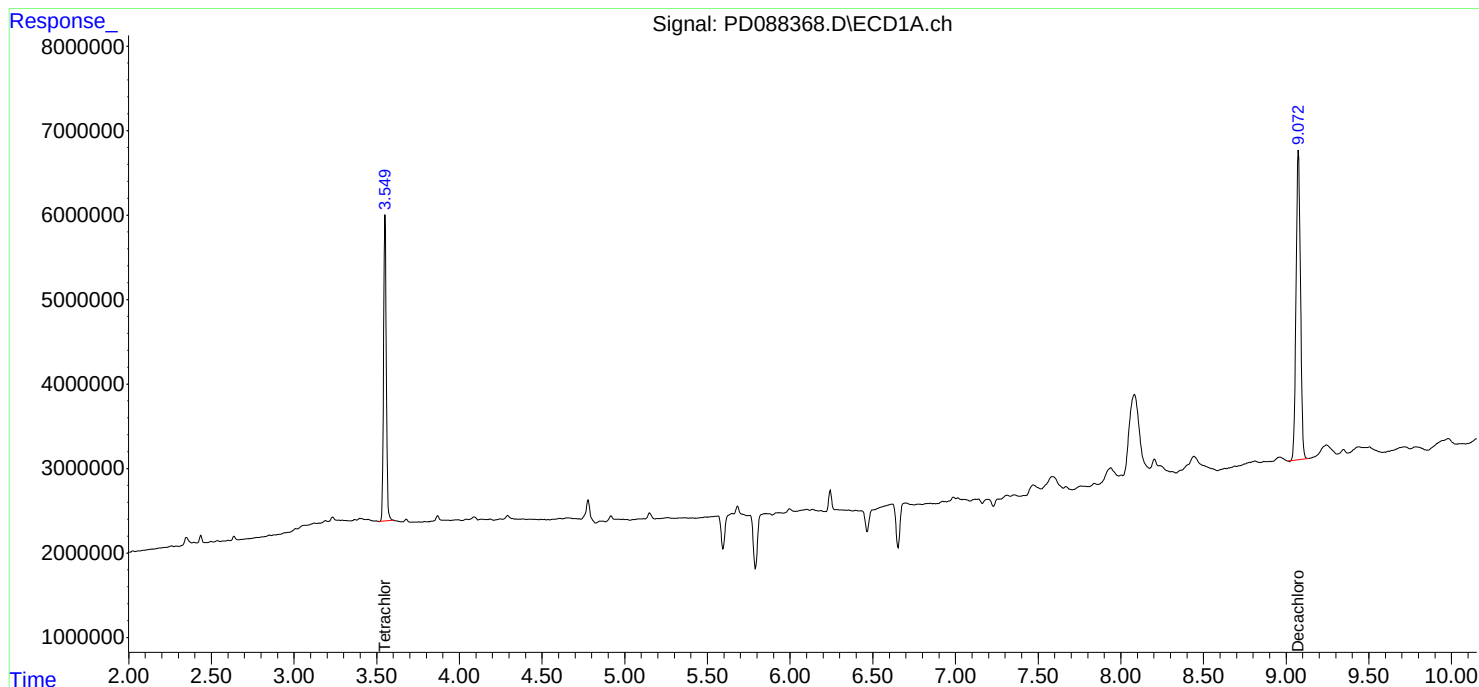
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

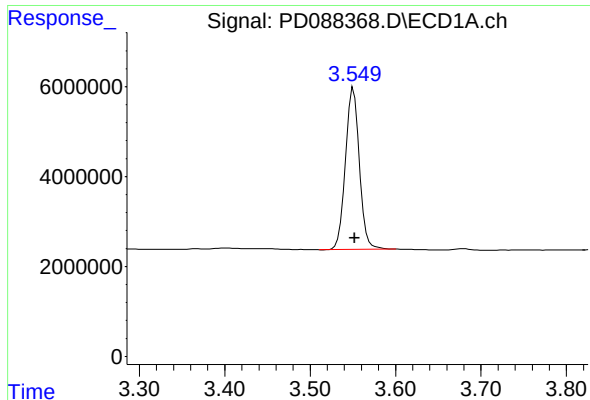
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 11:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:30:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

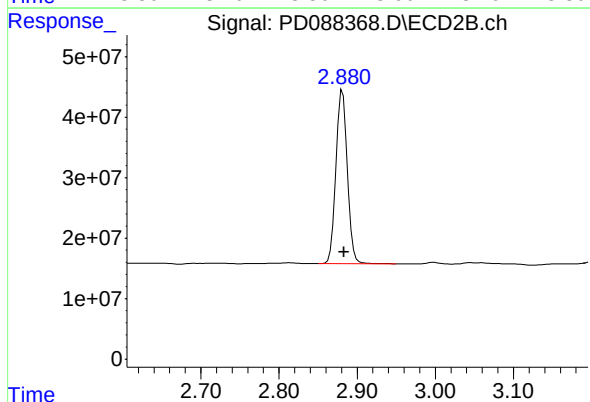




#1 Tetrachloro-m-xylene

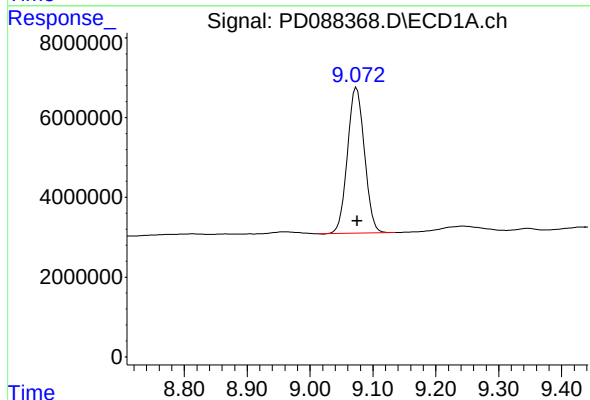
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 40763550
Conc: 20.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



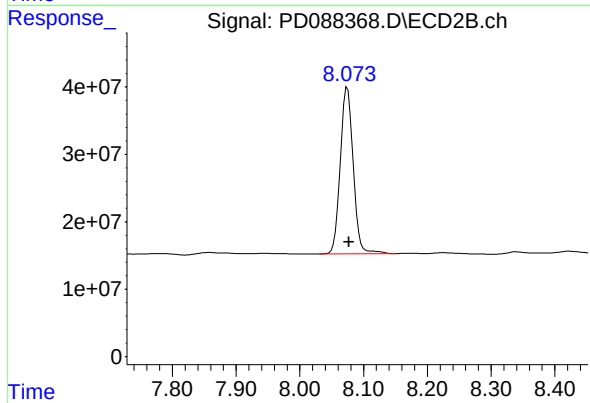
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 289715132
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 68410643
Conc: 20.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 348939584
Conc: 18.88 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	05/01/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/01/25
Client Sample ID:	PIBLK-PD088383.D	SDG No.:	Q1913
Lab Sample ID:	I.BLK-PD088383.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
PD088383.D	1		05/01/25	pd050125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		77 - 126	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:33:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	40781272	291.5E6	20.417	19.934
28) SA Decachlor...	9.074	8.075	69585088	367.0E6	21.035	19.862

Target Compounds

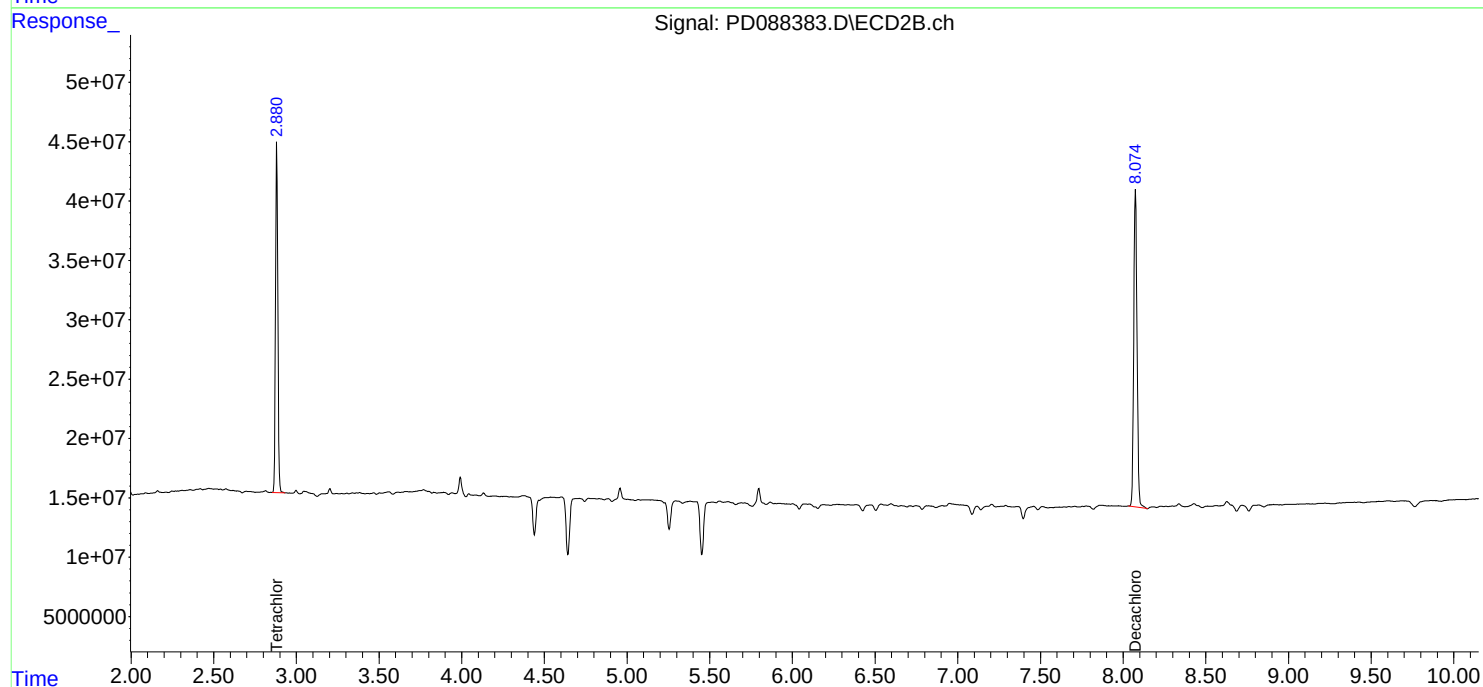
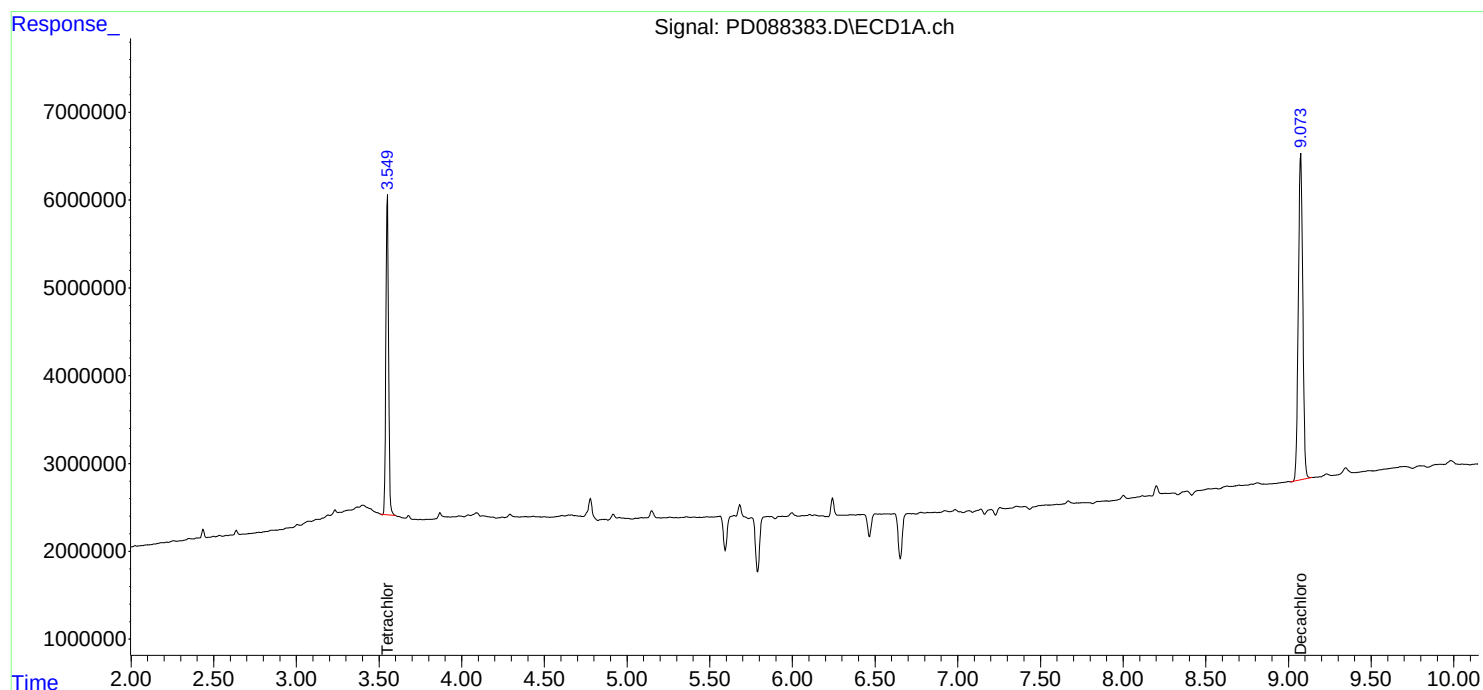
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

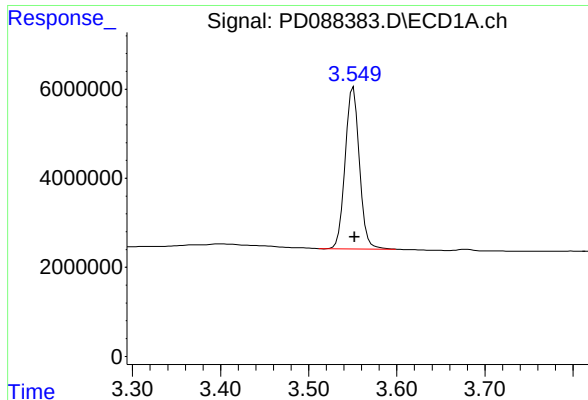
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088383.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 16:37
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:33:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

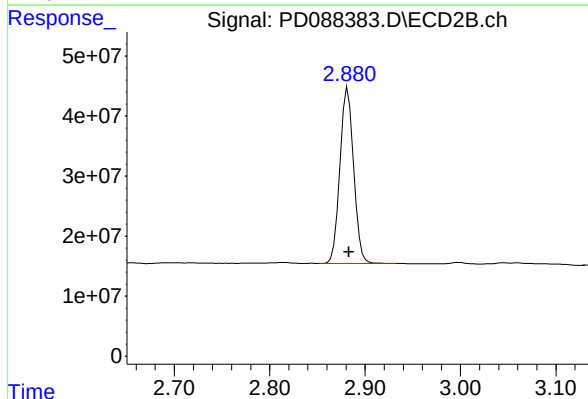




#1 Tetrachloro-m-xylene

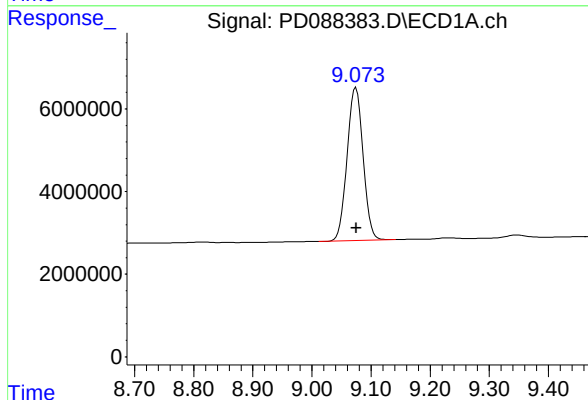
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 40781272
Conc: 20.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



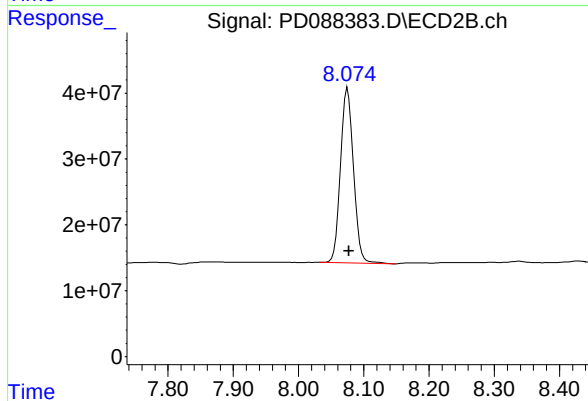
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 291473943
Conc: 19.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 69585088
Conc: 21.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 367034455
Conc: 19.86 ng/ml

Report of Analysis

Client:	AECOM			Date Collected:	05/05/25		
Project:	Meeker Ave Plumes Superfund Site RI FS			Date Received:	05/05/25		
Client Sample ID:	PIBLK-PD088406.D			SDG No.:	Q1913		
Lab Sample ID:	I.BLK-PD088406.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
PD088406.D	1		05/05/25	pd050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		43 - 140	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		77 - 126	81%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of OC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:37:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.881	32292769	228.9E6	16.167	15.657
28) SA Decachlor...	9.074	8.074	54804181	276.0E6	16.567	14.935

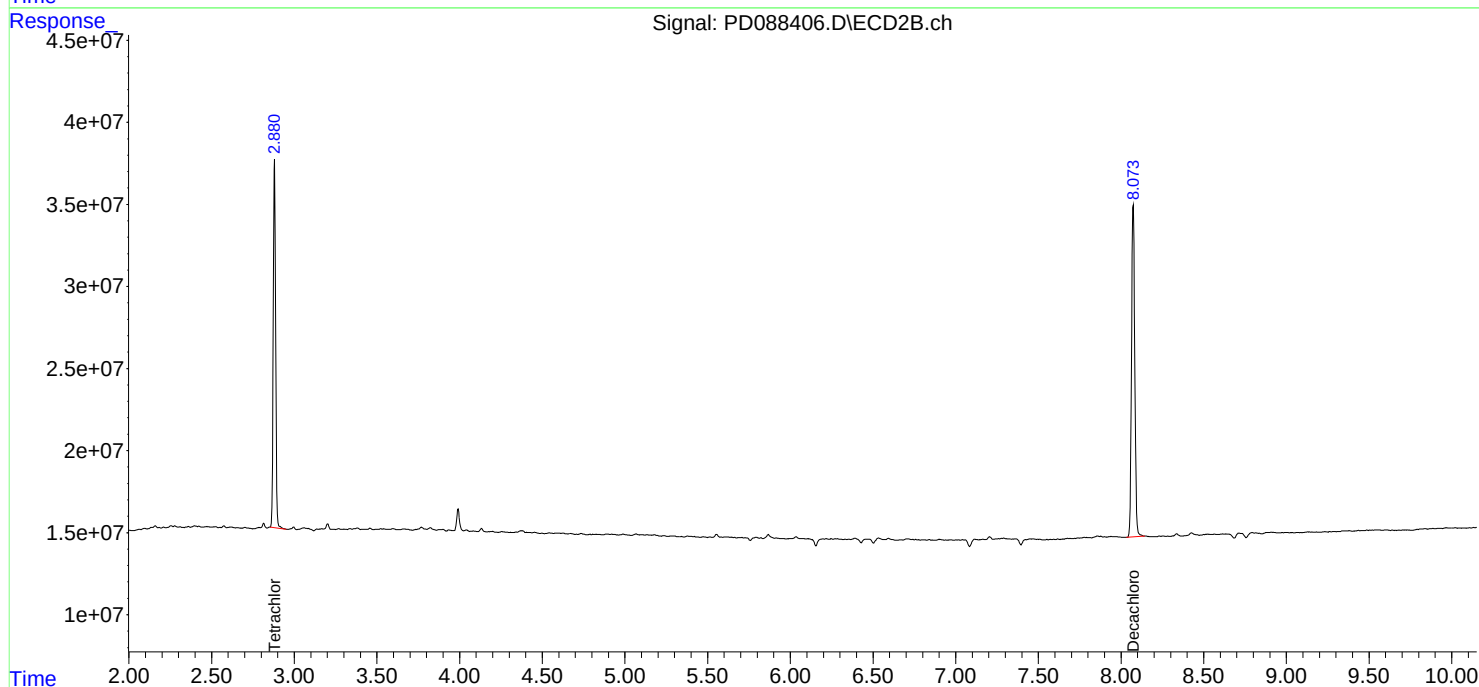
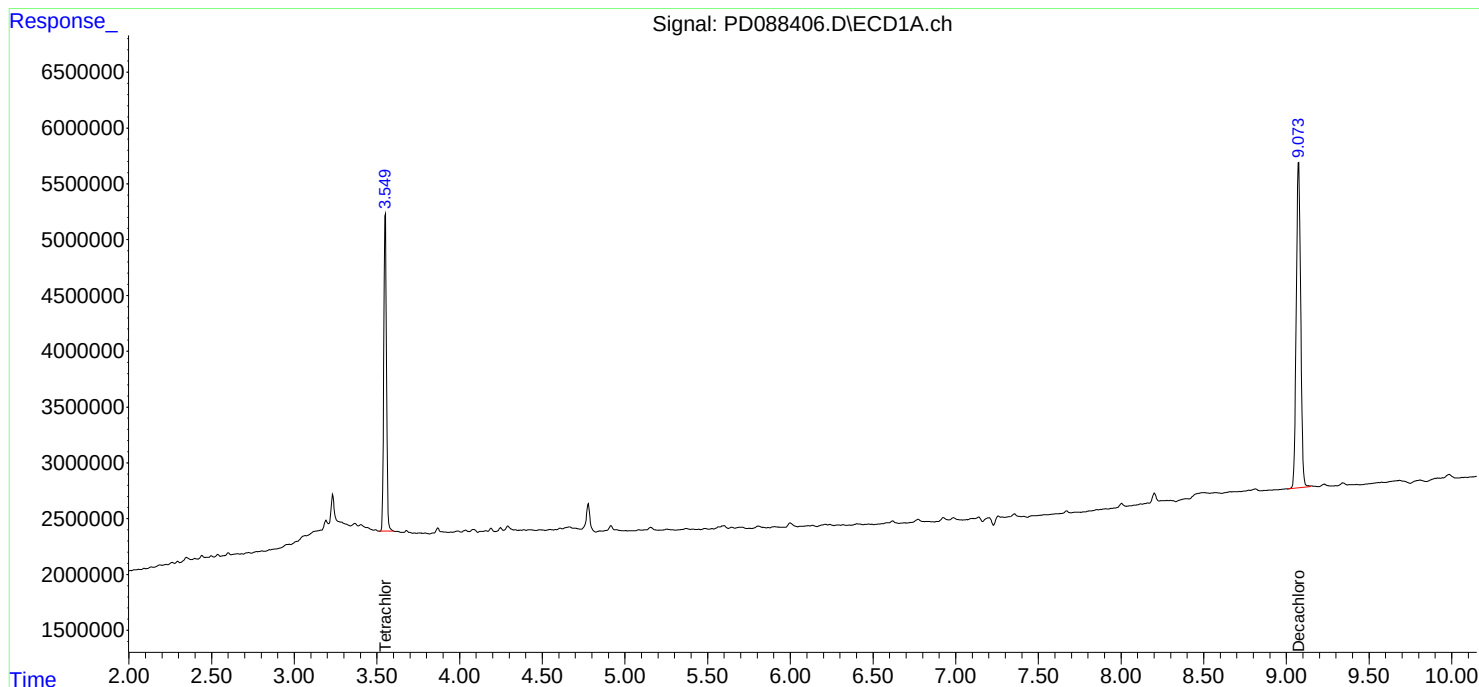
Target Compounds

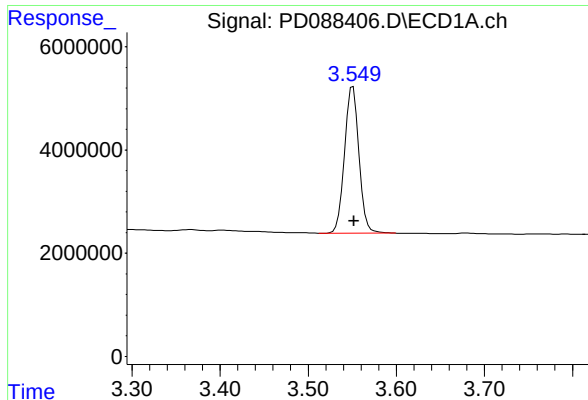
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 08:17
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:37:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

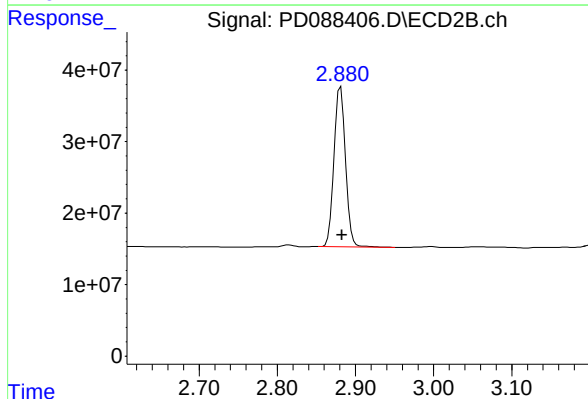
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





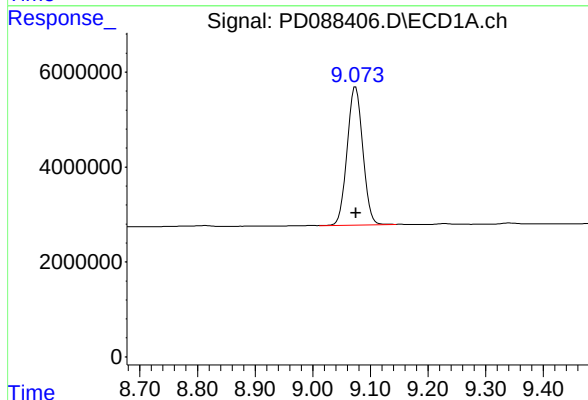
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 32292769
Conc: 16.17 ng/ml



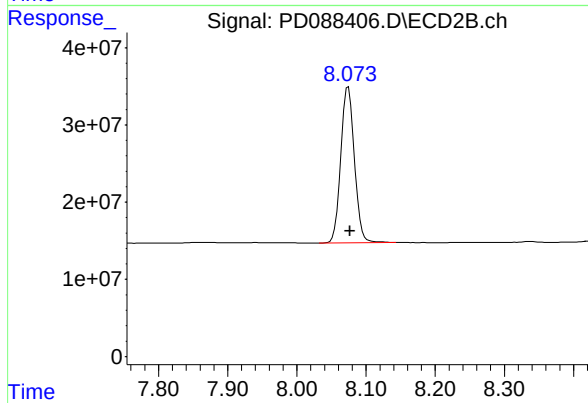
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 228929210
Conc: 15.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 54804181
Conc: 16.57 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 275996971
Conc: 14.94 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	05/05/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/05/25
Client Sample ID:	PIBLK-PD088414.D	SDG No.:	Q1913
Lab Sample ID:	I.BLK-PD088414.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
PD088414.D	1		05/05/25	pd050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	17.3		43 - 140	86%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.2		77 - 126	81%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	32385984	227.1E6	16.214	15.529
28) SA Decachlor...	9.072	8.073	57219532	288.3E6	17.297	15.603

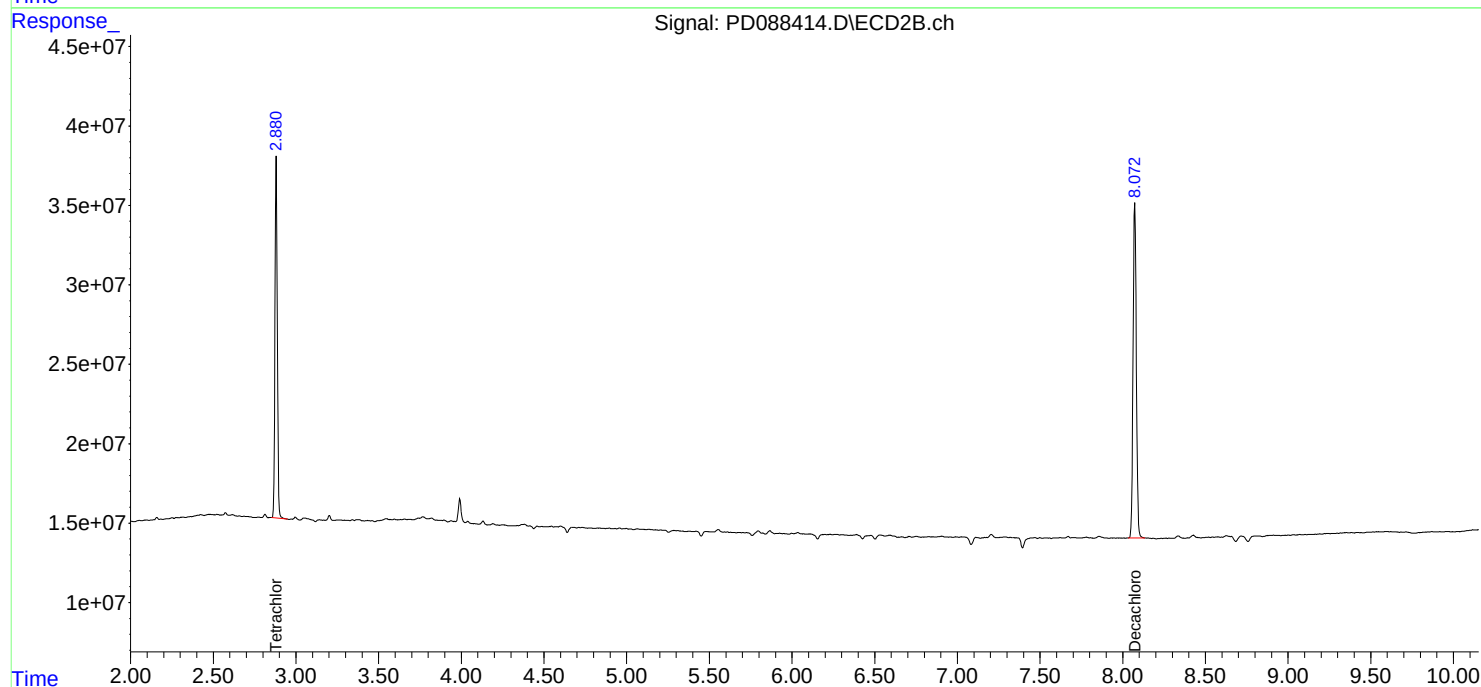
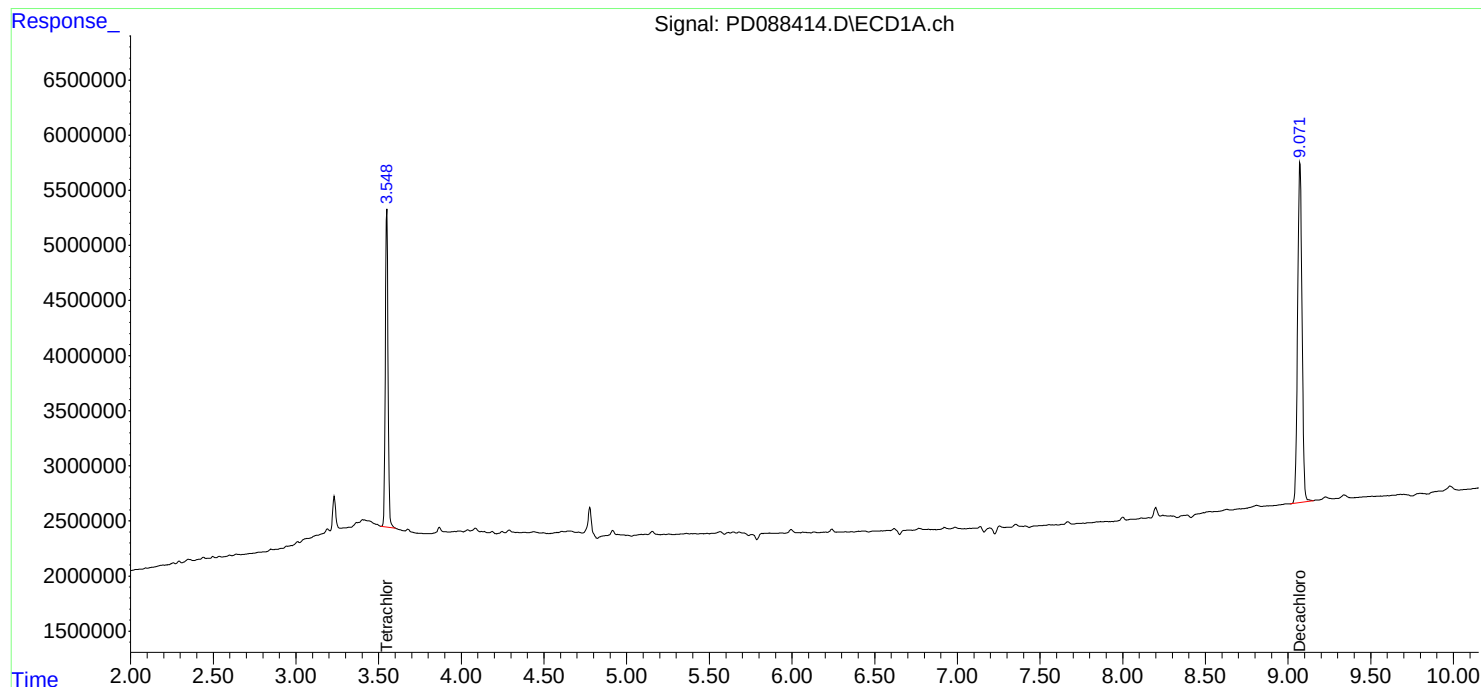
Target Compounds

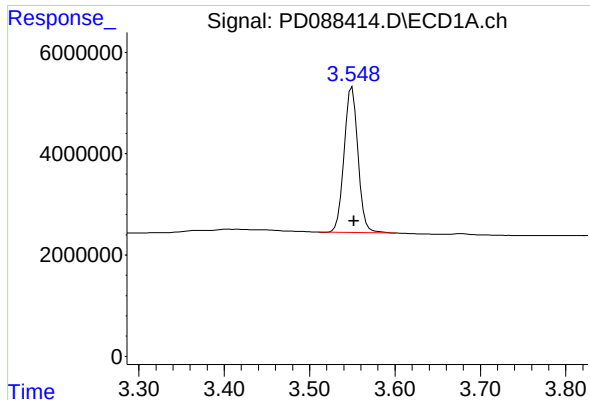
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088414.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 10:26
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:39:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

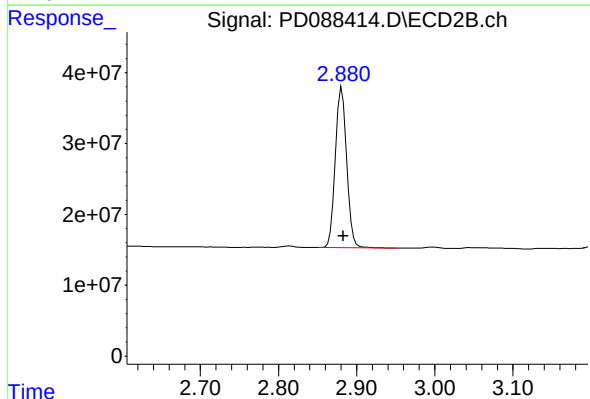
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





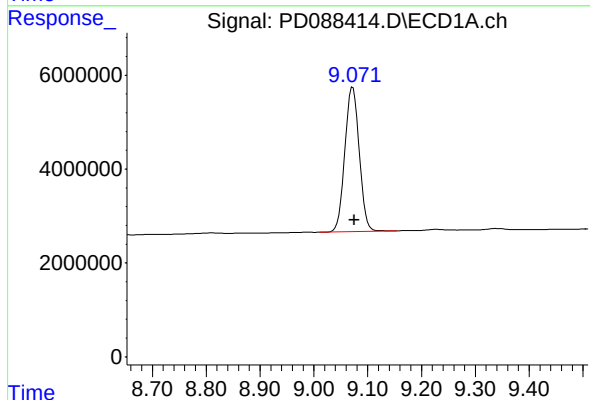
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 32385984
Conc: 16.21 ng/ml



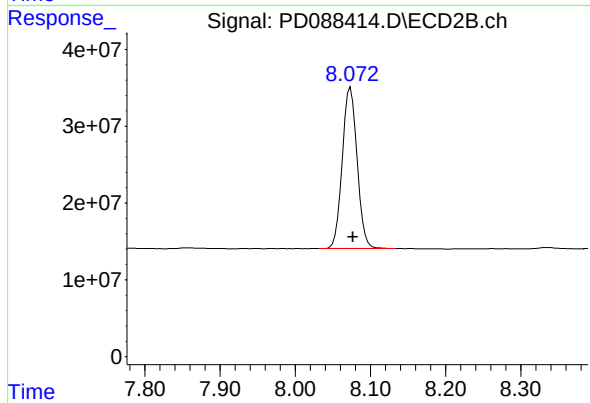
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 227056666
Conc: 15.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 57219532
Conc: 17.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: -0.003 min
Response: 288345137
Conc: 15.60 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	05/05/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/05/25
Client Sample ID:	PIBLK-PD088421.D	SDG No.:	Q1913
Lab Sample ID:	I.BLK-PD088421.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
PD088421.D	1		05/05/25	pd050525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.0037	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.0027	U	0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0096	U	0.0096	0.050	ug/L
72-20-8	Endrin	0.0032	U	0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.2		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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	36428665	253.0E6	18.238	17.306
28) SA Decachlor...	9.074	8.074	64181938	333.1E6	19.401	18.024

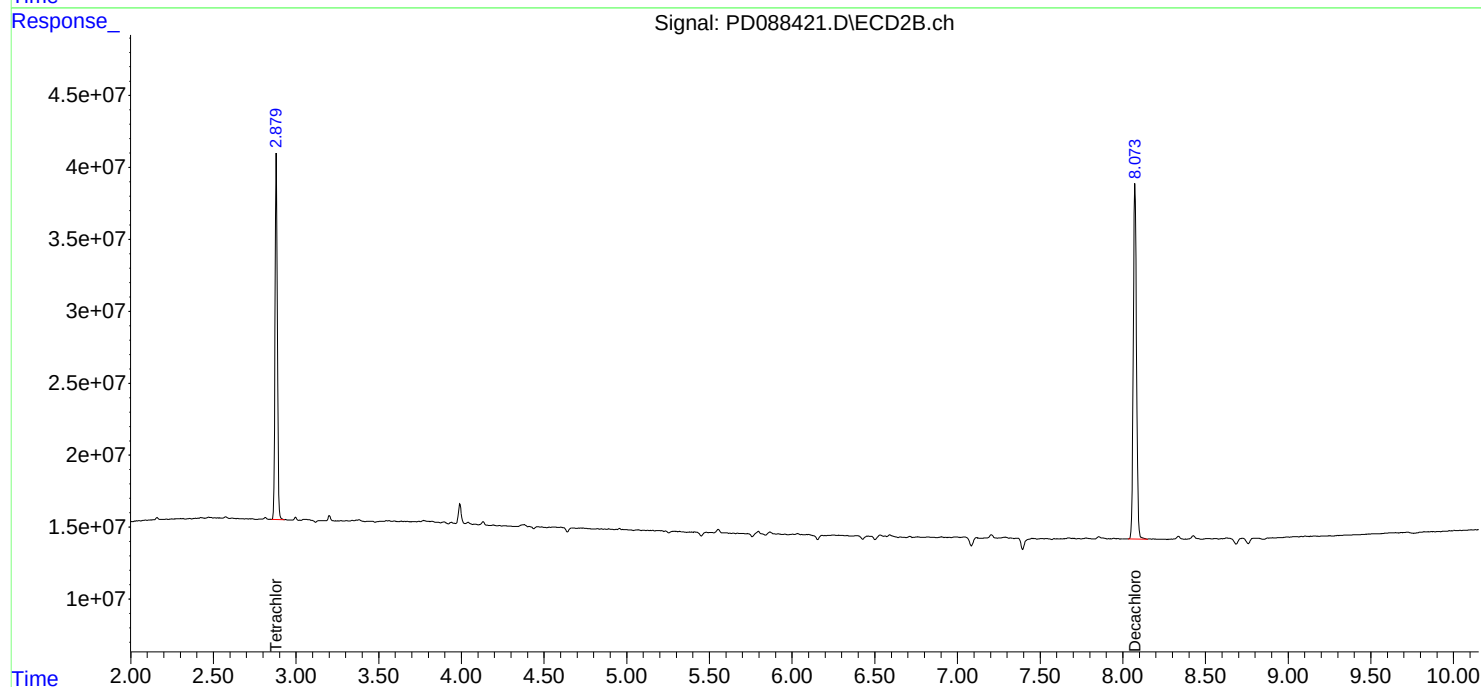
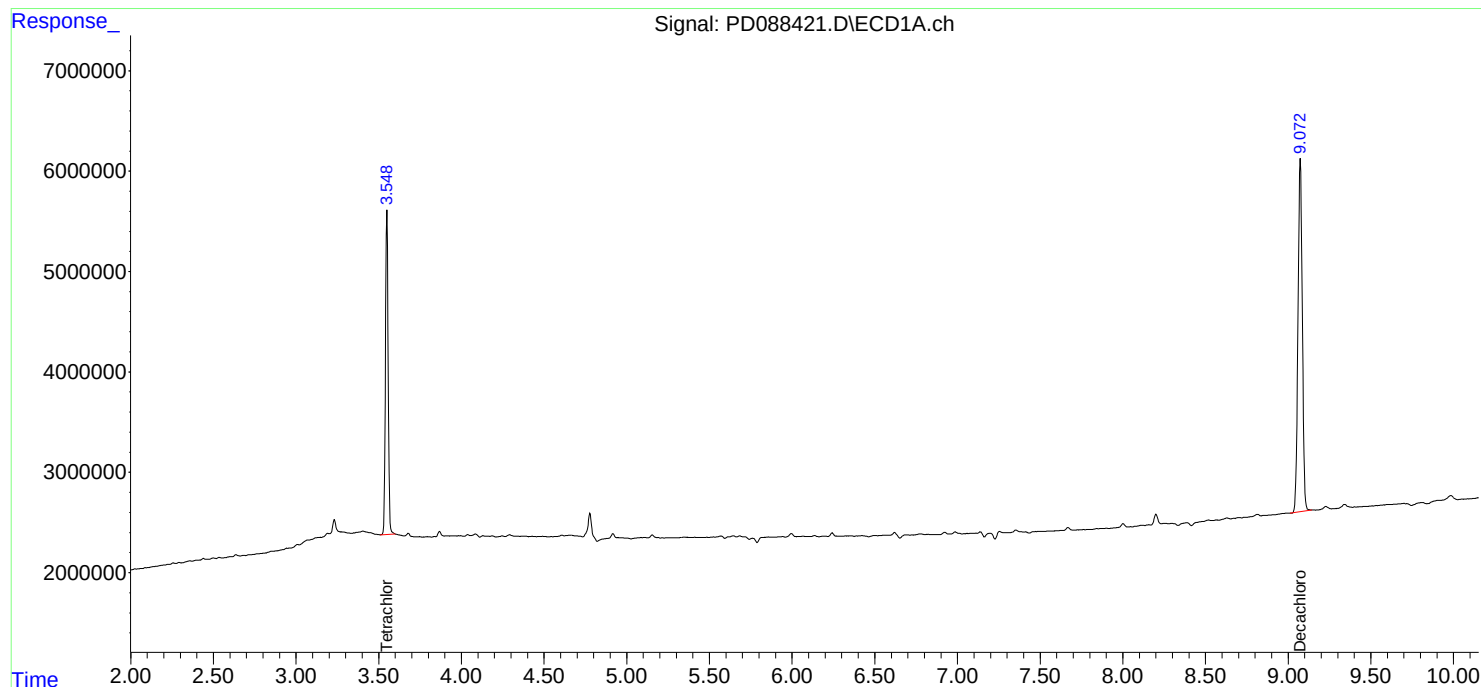
Target Compounds

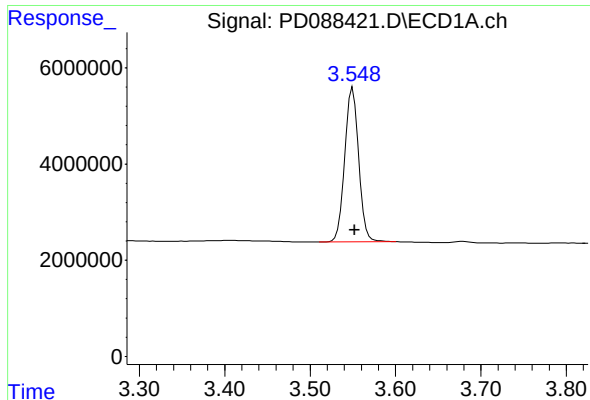
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088421.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 13:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:42:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

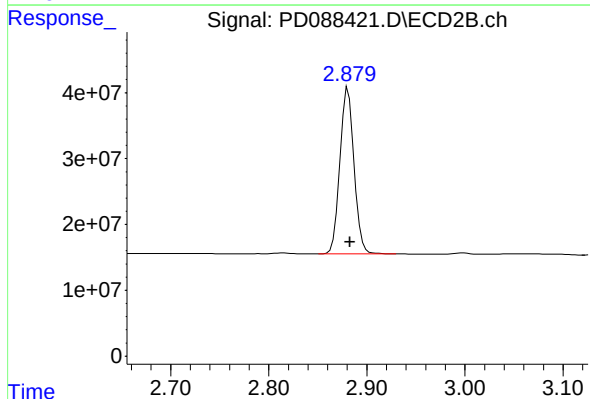
Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





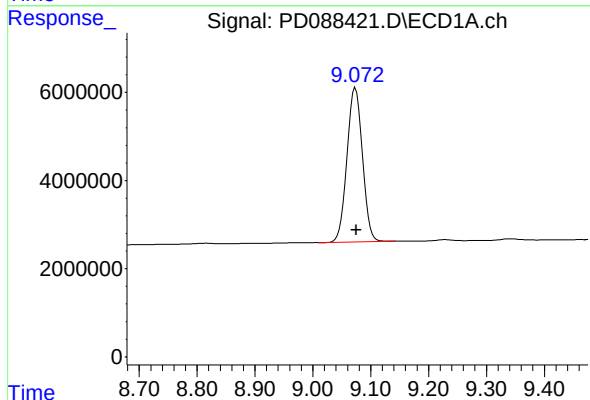
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 36428665
Conc: 18.24 ng/ml



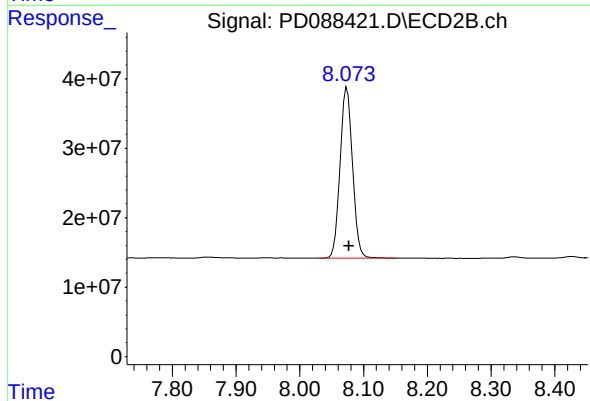
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 253035350
Conc: 17.31 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 64181938
Conc: 19.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 333085373
Conc: 18.02 ng/ml

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	
Client Sample ID:	PB167820BS	SDG No.:	Q1913
Lab Sample ID:	PB167820BS	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
PD088371.D	1	05/01/25 08:56	05/01/25 13:53	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.52		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.52		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.53		0.0096	0.050	ug/L
72-20-8	Endrin	0.51		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.46		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.5		43 - 140	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.5		77 - 126	103%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088371.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 13:53
 Operator : AR\AJ
 Sample : PB167820BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB167820BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:31:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.881	39930635	300.2E6	19.991	20.532
28)	SA Decachlor...	9.075	8.075	67725971	345.4E6	20.473	18.691
Target Compounds							
2)	A alpha-BHC	4.000	3.394	225.0E6	1102.5E6	52.184	48.223
3)	MA gamma-BHC...	4.331	3.730	217.2E6	1024.5E6	51.873	47.567
4)	MA Heptachlor	4.931	4.084	210.0E6	993.9E6	51.998	46.449
5)	MB Aldrin	5.273	4.370	209.9E6	1002.9E6	53.154	48.208
6)	B beta-BHC	4.516	4.026	83660804	455.7E6	51.535	49.238
7)	B delta-BHC	4.765	4.263	225.9E6	1026.1E6	54.769	48.261
8)	B Heptachlo...	5.692	4.874	189.7E6	908.4E6	53.068	48.078
9)	A Endosulfan I	6.076	5.248	179.9E6	866.3E6	53.271	48.094
10)	B gamma-Chl...	5.948	5.127	191.7E6	978.5E6	52.935	48.211
11)	B alpha-Chl...	6.028	5.191	190.8E6	940.2E6	52.864	47.963
12)	B 4,4'-DDE	6.196	5.377	171.9E6	941.9E6	52.127	47.827
13)	MA Dieldrin	6.348	5.514	193.4E6	958.8E6	54.187	48.102
14)	MA Endrin	6.576	5.790	152.2E6	829.9E6	51.027	45.595
15)	B Endosulfa...	6.788	6.082	162.3E6	830.9E6	51.905	47.420
16)	A 4,4'-DDD	6.706	5.931	137.3E6	807.3E6	54.586	49.265
17)	MA 4,4'-DDT	7.022	6.185	137.1E6	755.9E6	49.352	44.424
18)	B Endrin al...	6.916	6.260	124.1E6	638.6E6	53.785	48.013
19)	B Endosulfa...	7.151	6.483	150.8E6	796.3E6	52.439	46.477
20)	A Methoxychlor	7.494	6.756	69710493	390.2E6	46.488	42.783
21)	B Endrin ke...	7.631	6.992	163.4E6	881.6E6	52.946	47.133
22)	Mirex	8.115	7.187	116.8E6	661.6E6	49.734	44.642

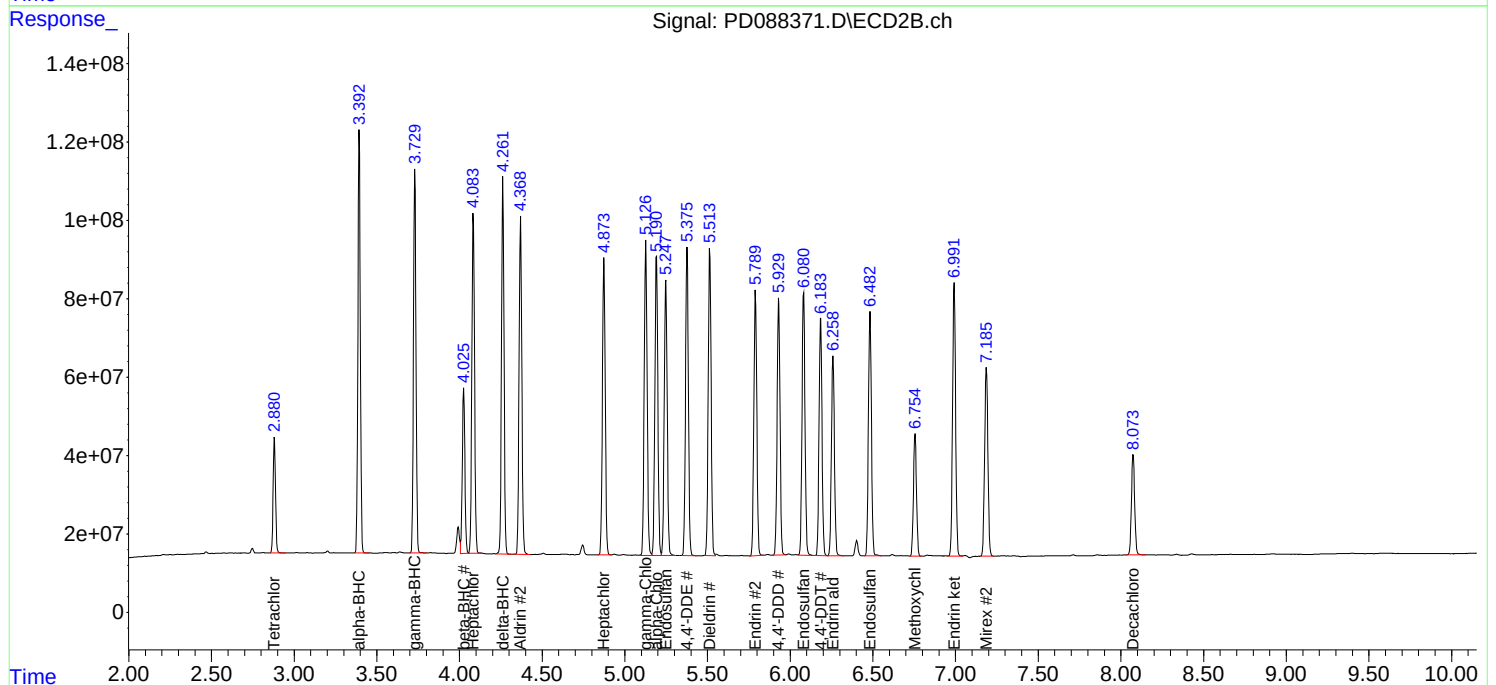
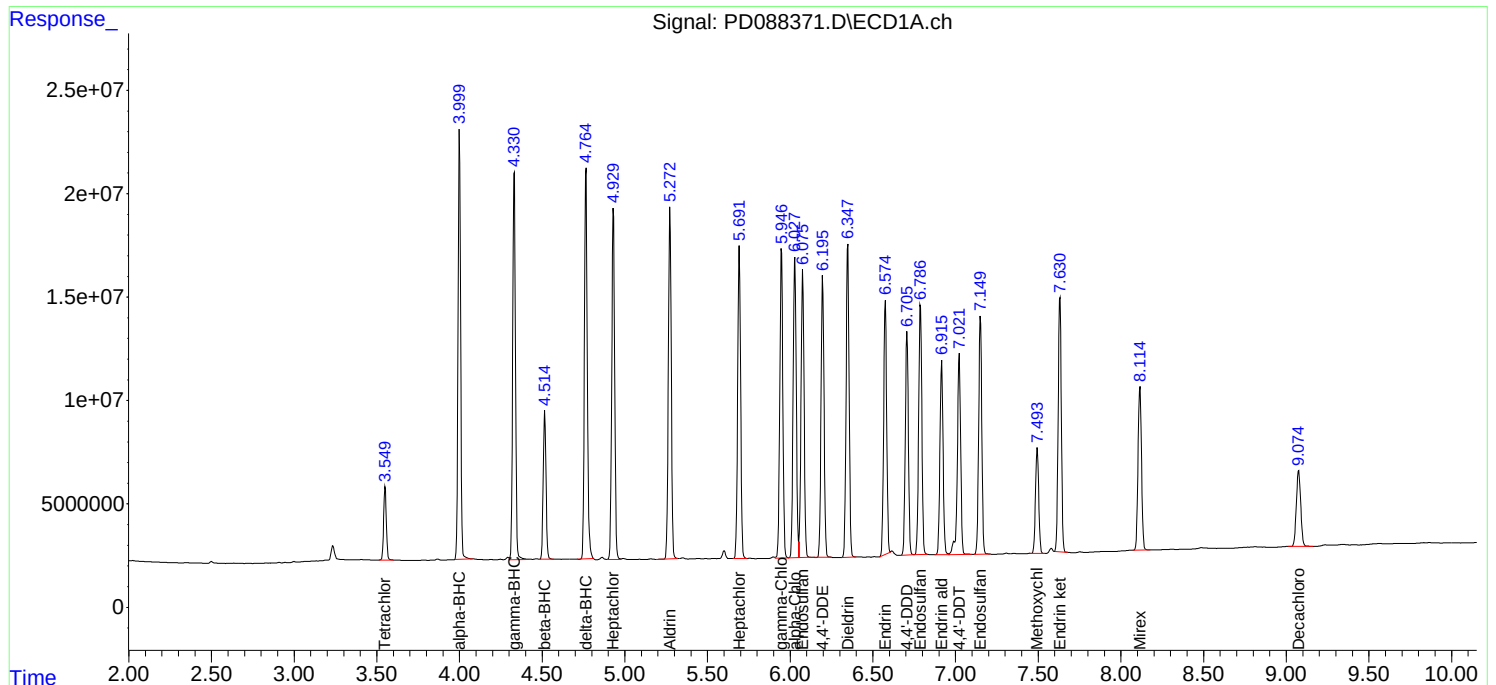
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088371.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 13:53
Operator : AR\AJ
Sample : PB167820BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167820BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:31:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	AECOM	Date Collected:	
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	
Client Sample ID:	PB167848BS	SDG No.:	Q1913
Lab Sample ID:	PB167848BS	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
PD088410.D	1	05/02/25 12:44	05/05/25 09:18	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	0.54		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.54		0.0027	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.55		0.0096	0.050	ug/L
72-20-8	Endrin	0.53		0.0032	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
8001-35-2	Toxaphene	0.17	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.088	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.1		43 - 140	111%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.8		77 - 126	104%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088410.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 09:18
 Operator : AR\AJ
 Sample : PB167848BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB167848BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:38:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.551	2.882	41461303	302.7E6	20.758	20.699
28)	SA Decachlor...	9.074	8.075	73216143	372.6E6	22.132	20.162
Target Compounds							
2)	A alpha-BHC	4.001	3.395	233.2E6	1116.5E6	54.091	48.836
3)	MA gamma-BHC...	4.331	3.732	225.2E6	1036.9E6	53.779	48.140
4)	MA Heptachlor	4.931	4.085	218.3E6	990.7E6	54.039	46.299
5)	MB Aldrin	5.273	4.371	216.7E6	1023.6E6	54.865	49.206
6)	B beta-BHC	4.516	4.027	86538185	463.6E6	53.307	50.094
7)	B delta-BHC	4.765	4.264	240.9E6	1041.2E6	58.412	48.971
8)	B Heptachlo...	5.692	4.875	196.5E6	923.2E6	54.992	48.861
9)	A Endosulfan I	6.076	5.250	186.6E6	876.3E6	55.260	48.649
10)	B gamma-Chl...	5.947	5.128	199.3E6	996.5E6	55.020	49.101
11)	B alpha-Chl...	6.029	5.193	198.1E6	958.4E6	54.893	48.891
12)	B 4,4'-DDE	6.197	5.378	179.6E6	968.5E6	54.452	49.179
13)	MA Dieldrin	6.348	5.515	201.1E6	970.5E6	56.368	48.691
14)	MA Endrin	6.576	5.792	157.9E6	830.6E6	52.957	45.633
15)	B Endosulfa...	6.787	6.083	170.0E6	851.4E6	54.393	48.589
16)	A 4,4'-DDD	6.706	5.932	143.9E6	816.3E6	57.205	49.819
17)	MA 4,4'-DDT	7.023	6.186	143.7E6	766.0E6	51.742	45.015
18)	B Endrin al...	6.916	6.261	129.8E6	656.7E6	56.252	49.372
19)	B Endosulfa...	7.150	6.484	158.4E6	816.1E6	55.066	47.633
20)	A Methoxychlor	7.494	6.757	73473221	383.2E6	48.997	42.007
21)	B Endrin ke...	7.631	6.993	172.8E6	914.8E6	55.975	48.912
22)	Mirex	8.115	7.188	124.3E6	693.8E6	52.943	46.811

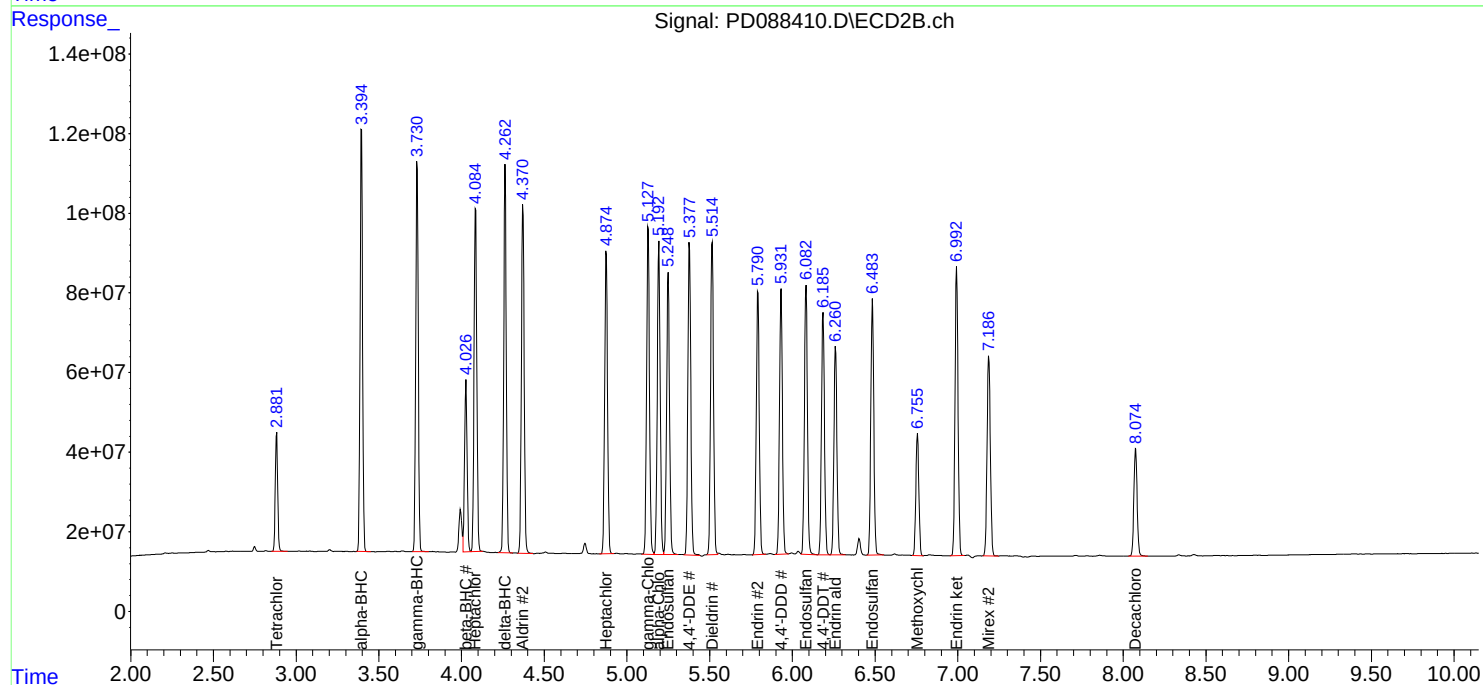
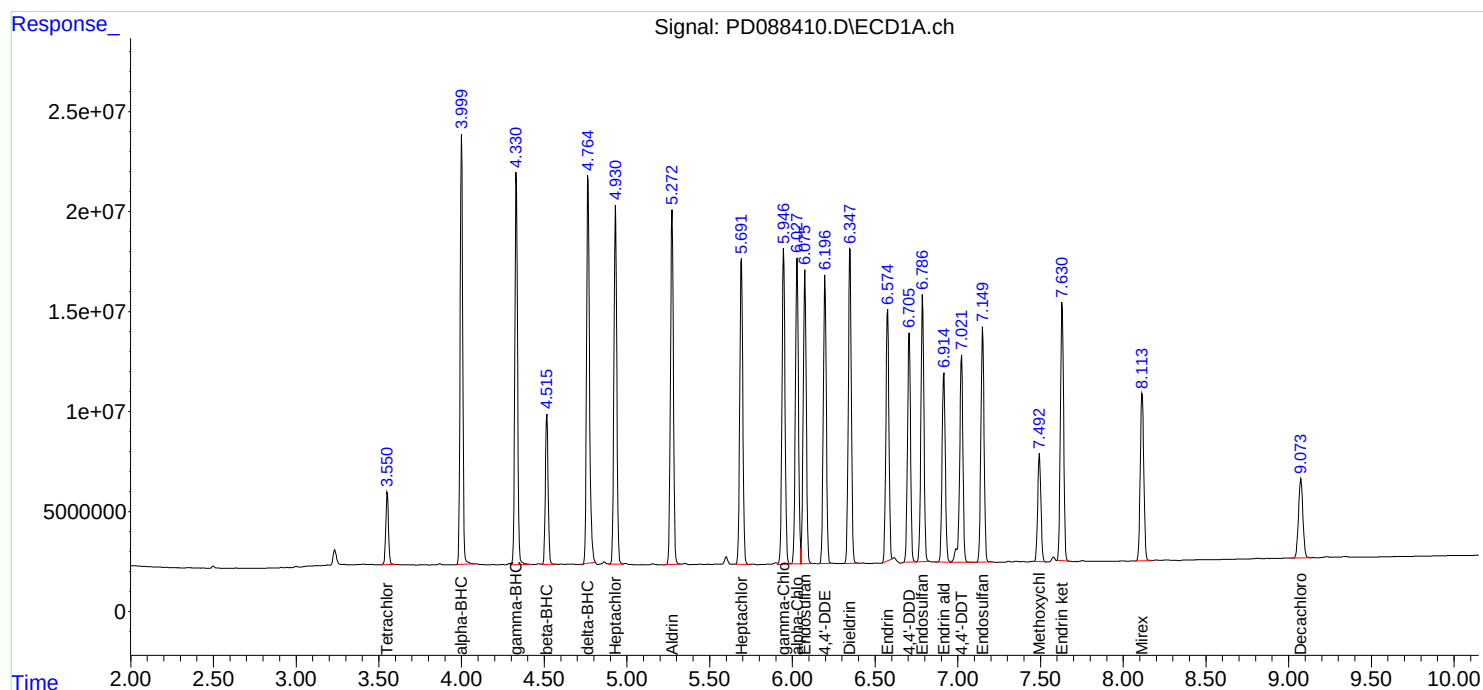
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088410.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 09:18
Operator : AR\AJ
Sample : PB167848BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167848BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:38:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	AECOM			Date Collected:	04/26/25		
Project:	Meeker Ave Plumes Superfund Site RI FS			Date Received:	04/28/25		
Client Sample ID:	B-167-SB01MS			SDG No.:	Q1913		
Lab Sample ID:	Q1901-08MS			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
PD088377.D	1	05/01/25 08:56	05/01/25 15:15	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.50		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.10		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.8		77 - 126	94%	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 OC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088377.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 15:15
 Operator : AR\AJ
 Sample : Q1901-08MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-167-SB01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	36861410	275.2E6	18.455	18.819
28) SA Decachlor...	9.073	8.075	68809273	350.8E6	20.800	18.982
Target Compounds						
2) A alpha-BHC	4.000	3.395	235.8E6	1126.2E6	54.674	49.263
3) MA gamma-BHC...	4.331	3.731	232.4E6	1056.7E6	55.491	49.060
4) MA Heptachlor	4.930	4.085	217.9E6	1014.4E6	53.951	47.407
5) MB Aldrin	5.271	4.370	215.8E6	1006.6E6	54.637	48.387
6) B beta-BHC	4.515	4.027	87031480	474.2E6	53.611	51.240
7) B delta-BHC	4.763	4.264	254.2E6	1062.3E6	61.633m	49.963
8) B Heptachlo...	5.691	4.875	198.5E6	930.3E6	55.538	49.239
9) A Endosulfan I	6.075	5.249	189.2E6	886.2E6	56.020	49.201
10) B gamma-Chl...	5.946	5.128	202.0E6	998.5E6	55.779	49.198
11) B alpha-Chl...	6.027	5.192	200.5E6	961.6E6	55.553	49.054
12) B 4,4'-DDE	6.196	5.377	180.1E6	963.7E6	54.597	48.935
13) MA Dieldrin	6.347	5.515	202.3E6	981.3E6	56.695	49.229
14) MA Endrin	6.575	5.791	165.3E6	881.8E6	55.424	48.443
15) B Endosulfa...	6.786	6.082	170.8E6	862.0E6	54.646	49.197
16) A 4,4'-DDD	6.705	5.931	144.9E6	830.1E6	57.621	50.658
17) MA 4,4'-DDT	7.022	6.185	146.7E6	789.4E6	52.831	46.391
18) B Endrin al...	6.915	6.260	128.7E6	653.1E6	55.767	49.098
19) B Endosulfa...	7.149	6.484	160.3E6	829.6E6	55.736	48.419
20) A Methoxychlor	7.493	6.756	75839303	419.5E6	50.575	45.993
21) B Endrin ke...	7.630	6.993	171.9E6	903.8E6	55.689	48.320
22) Mirex	8.114	7.187	123.2E6	682.4E6	52.456	46.045

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088377.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:15
Operator : AR\AJ
Sample : Q1901-08MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-167-SB01MS

Manual Integrations

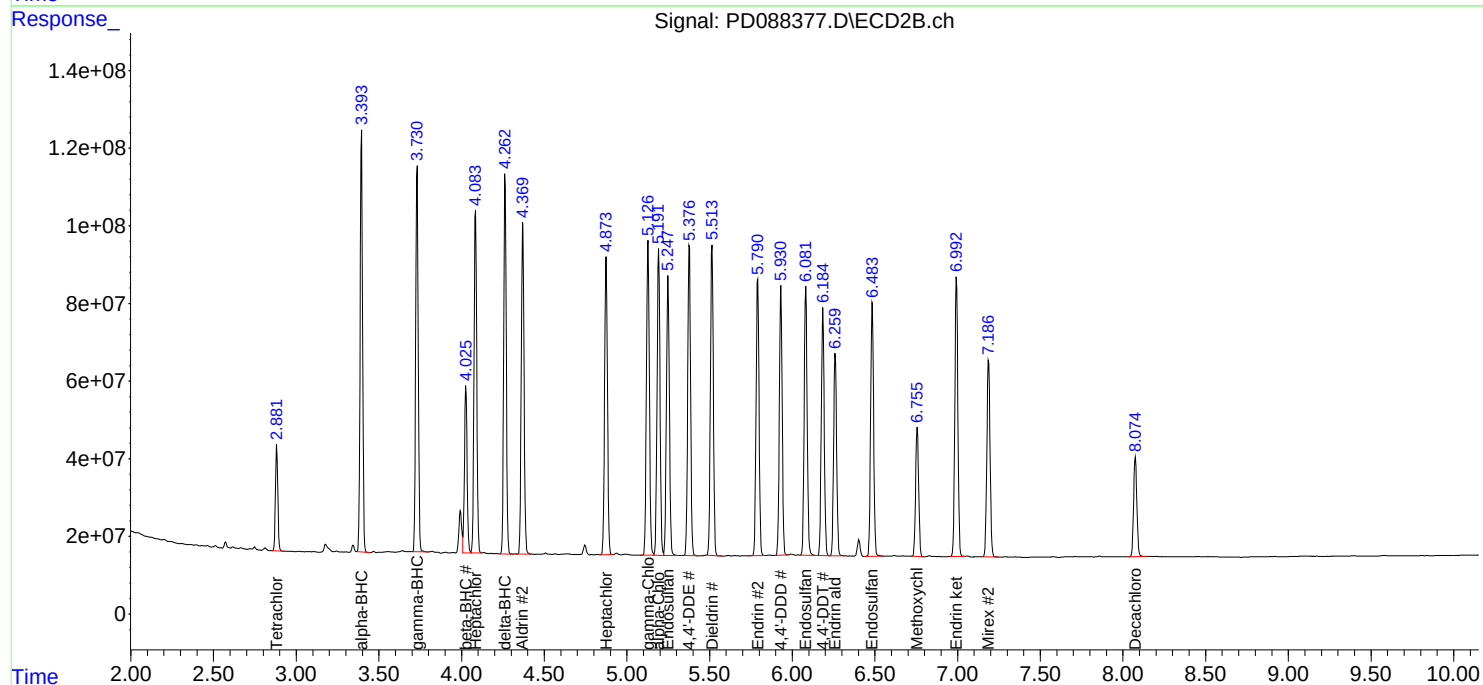
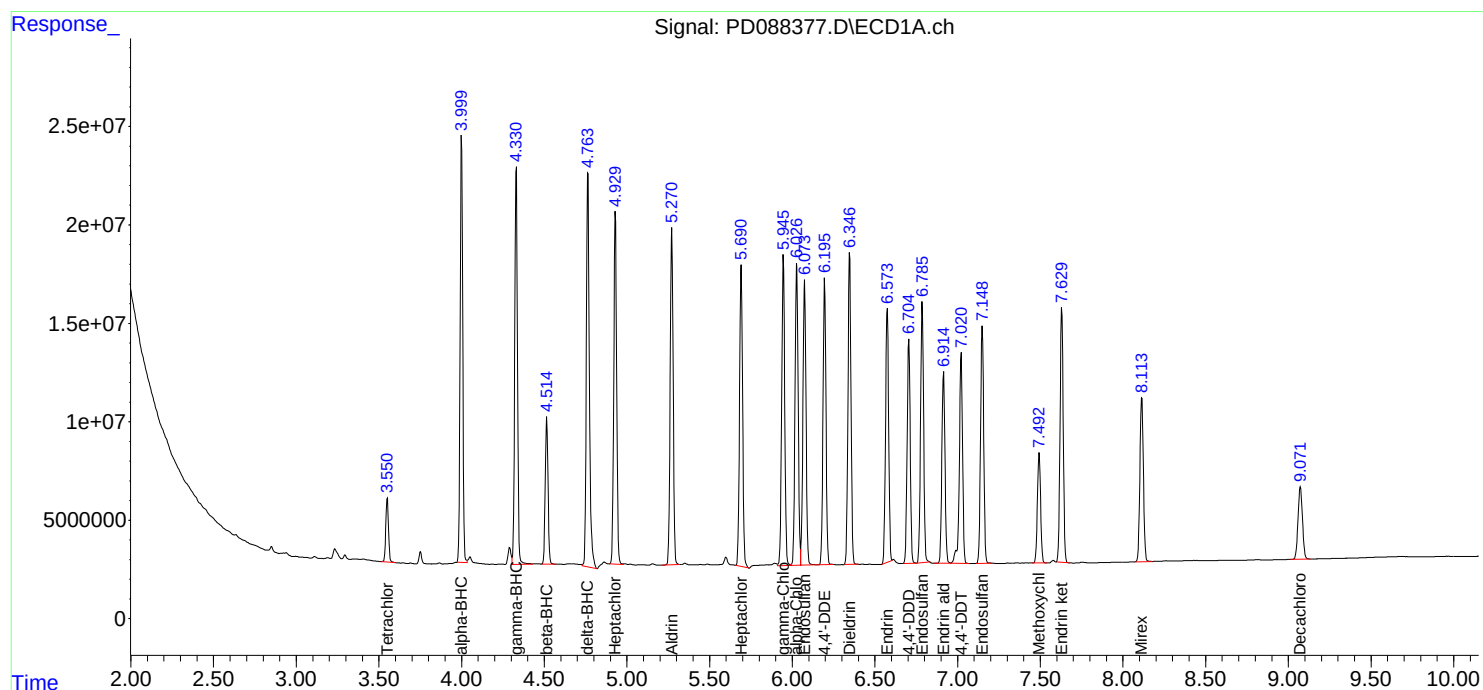
APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:32:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/01/25
Client Sample ID:	WC-A4-02-CMS	SDG No.:	Q1913
Lab Sample ID:	Q1929-03MS	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
PD088417.D	1	05/02/25 12:44	05/05/25 11:07	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.50		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.60		0.096	0.50	ug/L
72-20-8	Endrin	5.70		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.10		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		43 - 140	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.0		77 - 126	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088417.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 11:07
 Operator : AR\AJ
 Sample : Q1929-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-A4-02-CMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/06/2025
 Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:40:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.882	37946619	226.3E6	18.998	15.475
28) SA Decachlor...	9.072	8.074	73881870	368.2E6	22.334	19.926
Target Compounds						
2) A alpha-BHC	3.999	3.394	232.4E6	1077.3E6	53.886	47.122
3) MA gamma-BHC...	4.330	3.730	230.4E6	964.2E6	55.031	44.765
4) MA Heptachlor	4.930	4.084	220.7E6	1023.9E6	54.635	47.851
5) MB Aldrin	5.270	4.369	220.2E6	993.7E6	55.747m	47.767m
6) B beta-BHC	4.516	4.025	72608732	439.2E6	44.727	47.460m
7) B delta-BHC	4.763	4.263	221.0E6	961.0E6	53.580	45.201
8) B Heptachlo...	5.691	4.874	201.6E6	922.4E6	56.421	48.820
9) A Endosulfan I	6.074	5.249	145.8E6	647.4E6	43.173	35.941
10) B gamma-Chl...	5.945	5.127	206.1E6	993.3E6	56.912	48.939
11) B alpha-Chl...	6.027	5.192	204.8E6	954.0E6	56.735	48.667
12) B 4,4'-DDE	6.195	5.377	179.7E6	946.2E6	54.489	48.047
13) MA Dieldrin	6.347	5.515	208.7E6	994.4E6	58.471	49.887
14) MA Endrin	6.574	5.790	169.1E6	871.9E6	56.696	47.899
15) B Endosulfa...	6.785	6.081	99674887	519.5E6	31.884	29.651
16) A 4,4'-DDD	6.704	5.929	150.0E6	980.6E6	59.636	59.845m
17) MA 4,4'-DDT	7.020	6.186	140.4E6	774.8E6	50.561	45.532
18) B Endrin al...	6.914	6.260	132.1E6	651.9E6	57.221	49.011
19) B Endosulfa...	7.149	6.483	164.6E6	832.4E6	57.226	48.585
20) A Methoxychlor	7.492	6.755	76430219	401.2E6	50.969	43.988
21) B Endrin ke...	7.629	6.993	176.9E6	916.7E6	57.304	49.013
22) Mirex	8.113	7.186	127.7E6	697.1E6	54.373	47.035

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 11:07
Operator : AR\AJ
Sample : Q1929-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

WC-A4-02-CMS

Manual Integrations

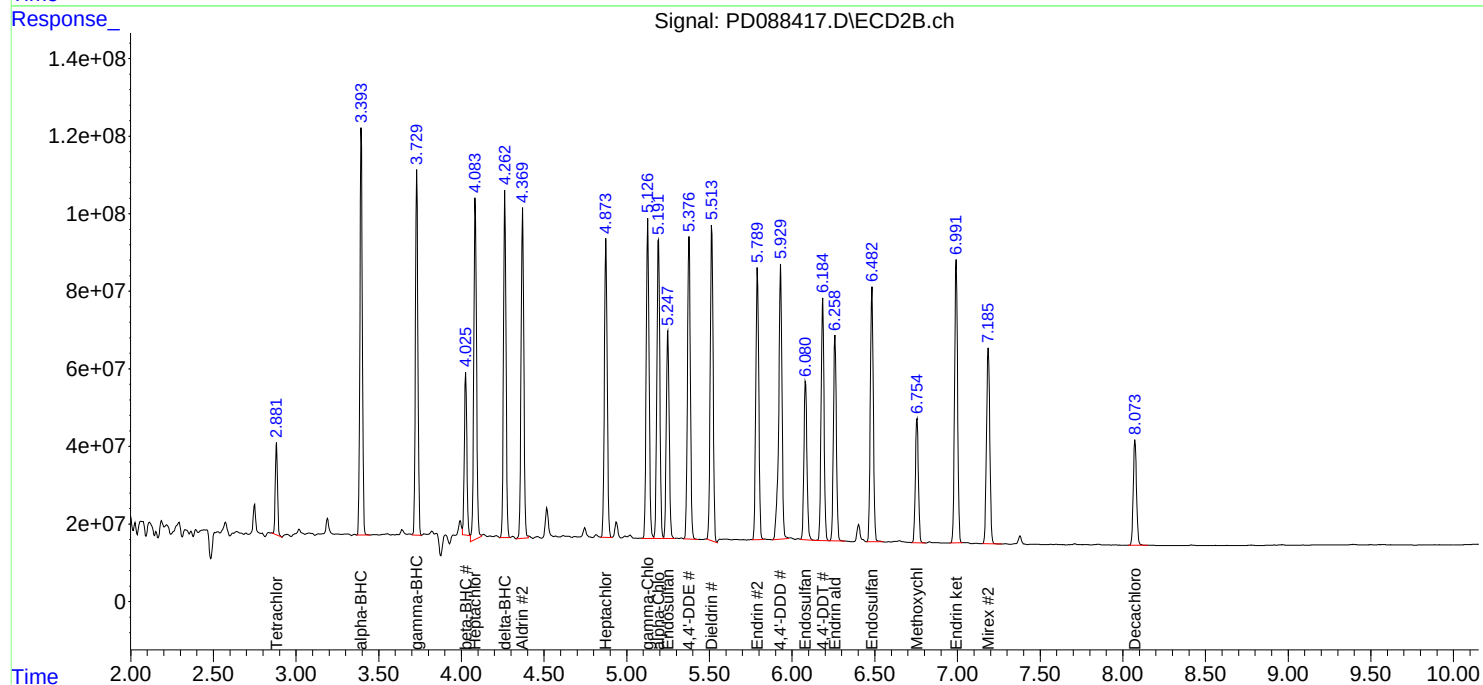
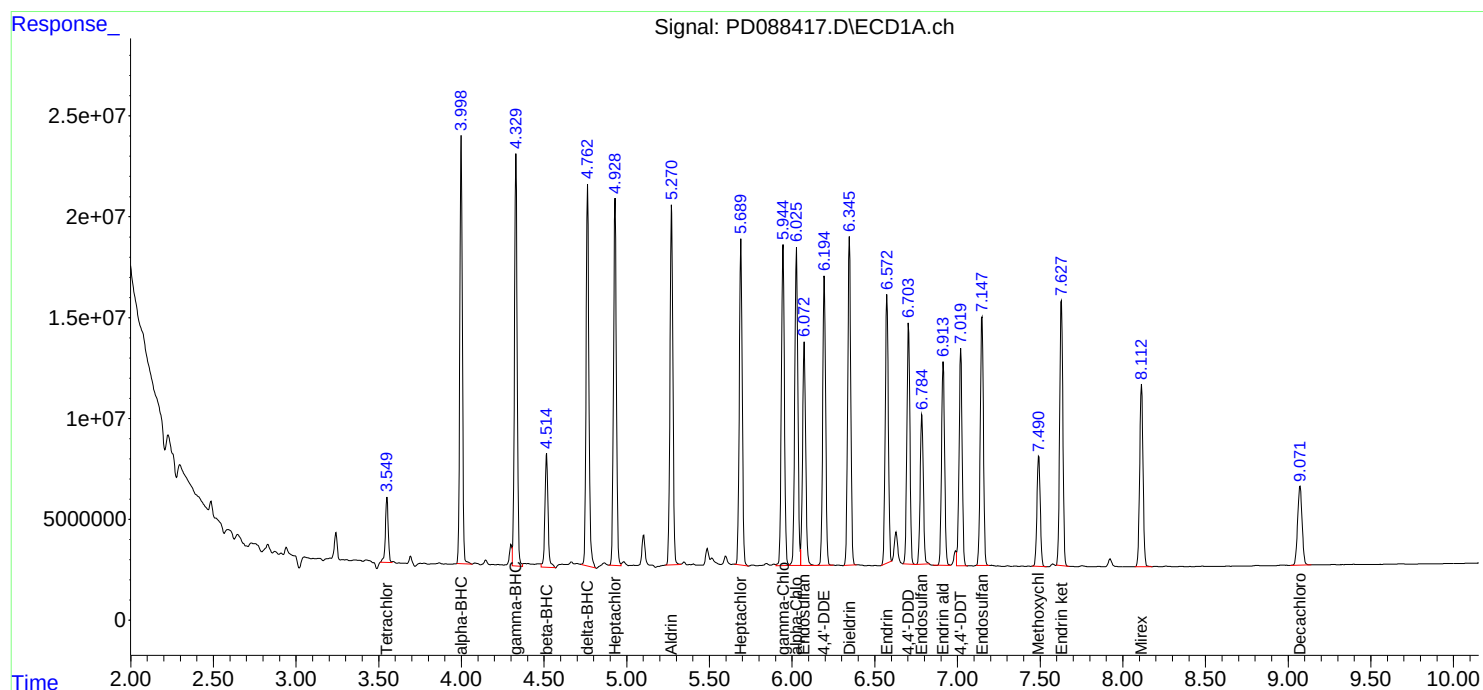
APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	AECOM	Date Collected:	04/26/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	04/28/25
Client Sample ID:	B-167-SB01MSD	SDG No.:	Q1913
Lab Sample ID:	Q1901-08MSD	Matrix:	TCLP
Analytical Method:	SW8081	% Solid:	0
Sample Wt/Vol:	100	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
PD088378.D	1	05/01/25 08:56	05/01/25 15:28	PB167820

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.50		0.037	0.50	ug/L
76-44-8	Heptachlor	5.40		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.50		0.096	0.50	ug/L
72-20-8	Endrin	5.50		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.00		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.8		43 - 140	104%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	94%	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 15:28
 Operator : AR\AJ
 Sample : Q1901-08MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-167-SB01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.551	2.882	36653010	276.3E6	18.350	18.894
28) SA Decachlor...	9.074	8.075	68849811	350.7E6	20.812	18.979
Target Compounds						
2) A alpha-BHC	4.000	3.395	235.0E6	1131.9E6	54.489	49.509
3) MA gamma-BHC...	4.331	3.731	231.7E6	1058.7E6	55.341	49.152
4) MA Heptachlor	4.930	4.085	217.3E6	1013.1E6	53.810	47.344
5) MB Aldrin	5.272	4.371	215.5E6	1009.1E6	54.569	48.507
6) B beta-BHC	4.516	4.027	86867239	472.8E6	53.510	51.089
7) B delta-BHC	4.763	4.263	252.8E6	1061.4E6	61.292m	49.922
8) B Heptachlo...	5.692	4.875	197.9E6	929.5E6	55.376	49.196
9) A Endosulfan I	6.075	5.249	188.6E6	887.4E6	55.851	49.264
10) B gamma-Chl...	5.947	5.127	201.3E6	999.2E6	55.578	49.231
11) B alpha-Chl...	6.028	5.192	199.7E6	962.1E6	55.328	49.079
12) B 4,4'-DDE	6.196	5.378	179.8E6	966.8E6	54.527	49.092
13) MA Dieldrin	6.347	5.515	202.1E6	983.2E6	56.622	49.325
14) MA Endrin	6.575	5.791	164.9E6	885.9E6	55.274	48.670
15) B Endosulfa...	6.787	6.082	170.3E6	867.2E6	54.489	49.494
16) A 4,4'-DDD	6.705	5.932	144.6E6	832.4E6	57.492	50.799
17) MA 4,4'-DDT	7.022	6.186	145.9E6	790.7E6	52.524	46.469
18) B Endrin al...	6.915	6.260	129.0E6	656.5E6	55.889	49.360
19) B Endosulfa...	7.150	6.484	160.3E6	833.1E6	55.756	48.625
20) A Methoxychlor	7.494	6.756	75400976	420.1E6	50.283	46.062
21) B Endrin ke...	7.631	6.993	171.7E6	911.1E6	55.616	48.714
22) Mirex	8.114	7.188	122.8E6	686.0E6	52.306	46.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 15:28
 Operator : AR\AJ
 Sample : Q1901-08MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

B-167-SB01MSD

Manual Integrations

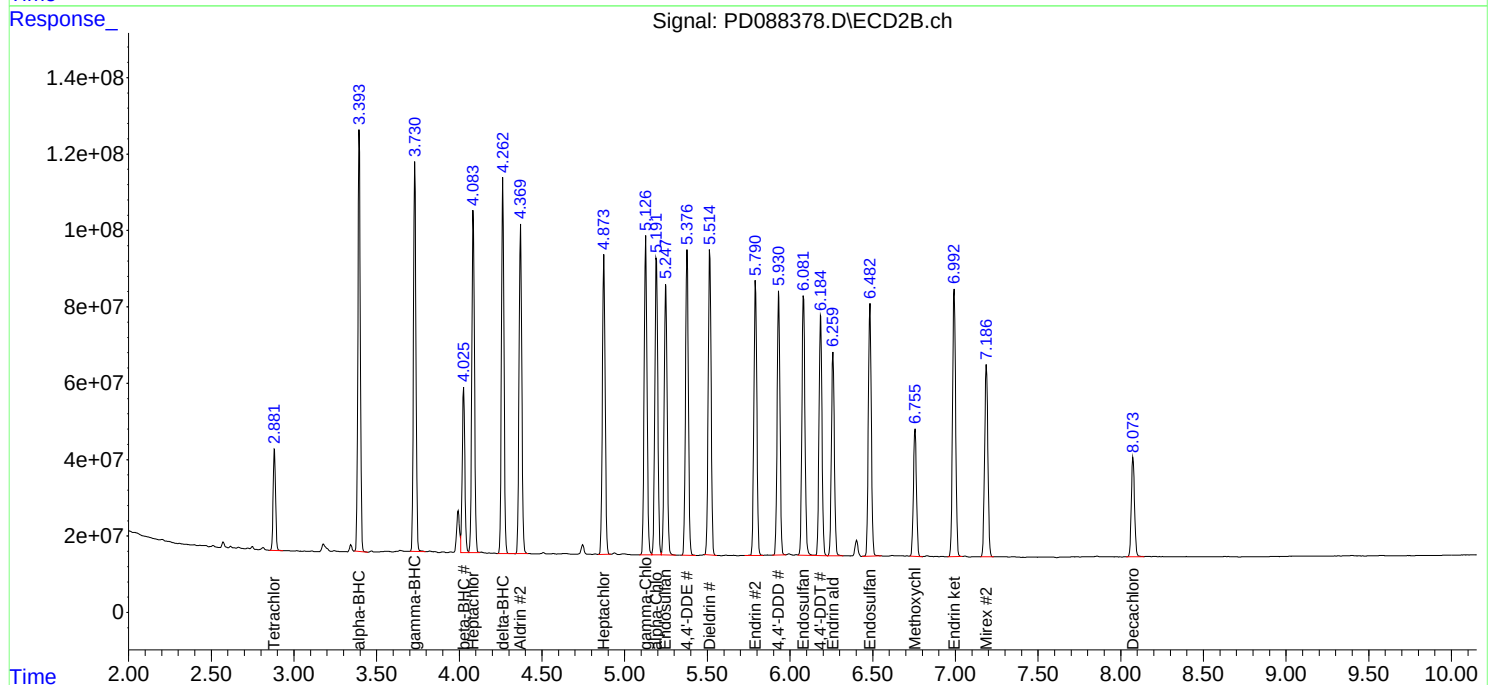
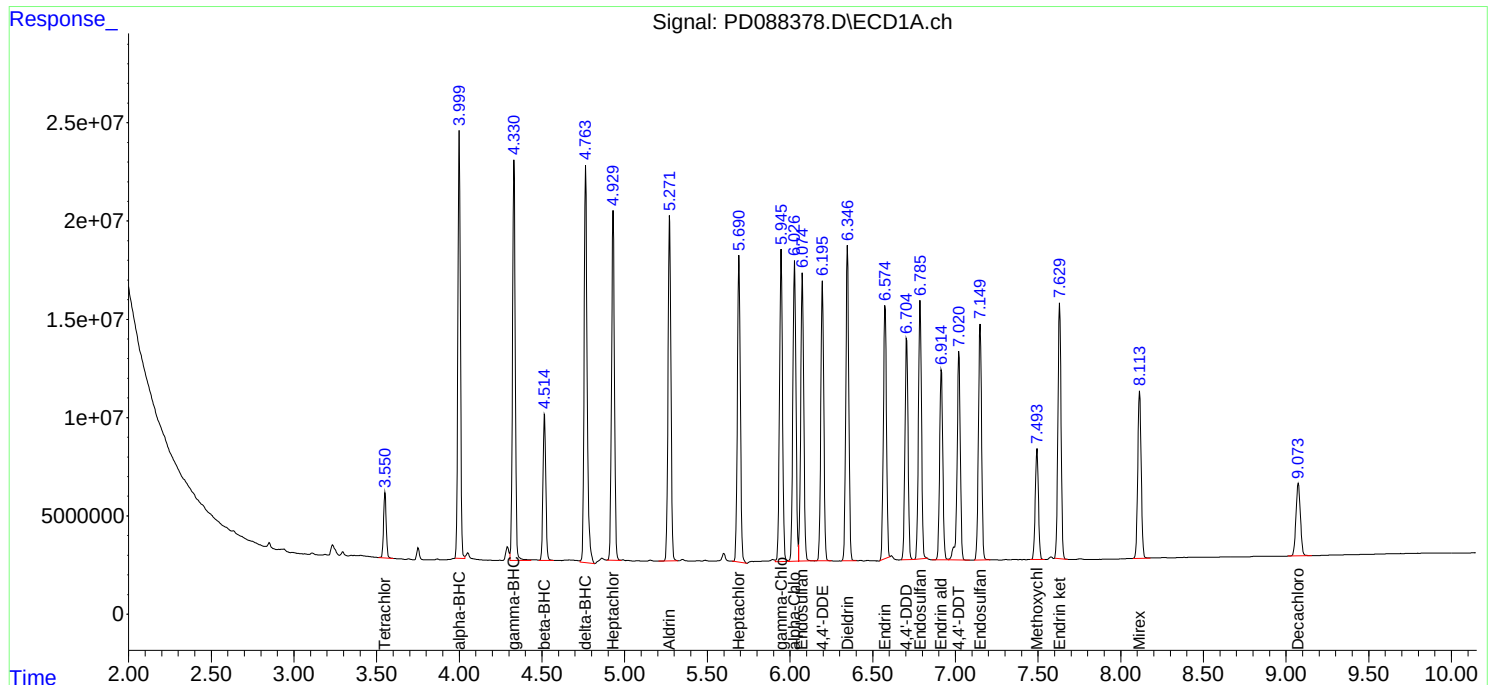
APPROVED

Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	AECOM	Date Collected:	04/29/25
Project:	Meeker Ave Plumes Superfund Site RI FS	Date Received:	05/01/25
Client Sample ID:	WC-A4-02-CMSD	SDG No.:	Q1913
Lab Sample ID:	Q1929-03MSD	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
PD088418.D	1	05/02/25 12:44	05/05/25 11:21	PB167848

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
58-89-9	gamma-BHC (Lindane)	5.50		0.037	0.50	ug/L
76-44-8	Heptachlor	5.50		0.027	0.50	ug/L
1024-57-3	Heptachlor epoxide	5.70		0.096	0.50	ug/L
72-20-8	Endrin	5.70		0.032	0.50	ug/L
72-43-5	Methoxychlor	5.10		0.11	0.50	ug/L
8001-35-2	Toxaphene	1.70	U	1.70	10.0	ug/L
57-74-9	Chlordane	0.88	U	0.88	5.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.3		43 - 140	112%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088418.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 11:21
 Operator : AR\AJ
 Sample : Q1929-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-A4-02-CMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:41:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.882	37793054	230.3E6	18.921	15.752
28) SA Decachlor...	9.072	8.074	73808903	371.7E6	22.312	20.116
Target Compounds						
2) A alpha-BHC	4.000	3.394	233.2E6	1084.2E6	54.074	47.426
3) MA gamma-BHC...	4.330	3.731	231.0E6	966.8E6	55.169	44.886
4) MA Heptachlor	4.930	4.083	221.2E6	991.5E6	54.757	46.337m
5) MB Aldrin	5.270	4.369	221.4E6	1000.4E6	56.058m	48.089m
6) B beta-BHC	4.515	4.025	72669818	444.9E6	44.764	48.077m
7) B delta-BHC	4.763	4.263	222.6E6	966.0E6	53.971	45.432
8) B Heptachlo...	5.690	4.874	202.8E6	925.6E6	56.756	48.988
9) A Endosulfan I	6.074	5.248	146.2E6	650.9E6	43.296	36.135
10) B gamma-Chl...	5.946	5.127	207.1E6	998.8E6	57.186	49.214
11) B alpha-Chl...	6.027	5.191	205.8E6	958.6E6	57.022	48.901
12) B 4,4'-DDE	6.195	5.377	180.3E6	950.1E6	54.660	48.243
13) MA Dieldrin	6.347	5.515	209.0E6	997.7E6	58.570	50.051
14) MA Endrin	6.574	5.790	169.4E6	876.2E6	56.788	48.139
15) B Endosulfa...	6.785	6.081	100.2E6	523.8E6	32.066	29.894
16) A 4,4'-DDD	6.704	5.929	150.4E6	1003.3E6	59.809	61.227m
17) MA 4,4'-DDT	7.020	6.185	140.9E6	780.6E6	50.746	45.871
18) B Endrin al...	6.914	6.260	132.4E6	655.3E6	57.347	49.267
19) B Endosulfa...	7.148	6.483	164.9E6	833.1E6	57.349	48.626
20) A Methoxychlor	7.492	6.756	76517867	404.9E6	51.027	44.391
21) B Endrin ke...	7.629	6.992	176.8E6	921.6E6	57.272	49.272
22) Mirex	8.113	7.186	128.0E6	699.6E6	54.501	47.206

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 11:21
Operator : AR\AJ
Sample : Q1929-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

WV-A4-02-CMSD

Manual Integrations

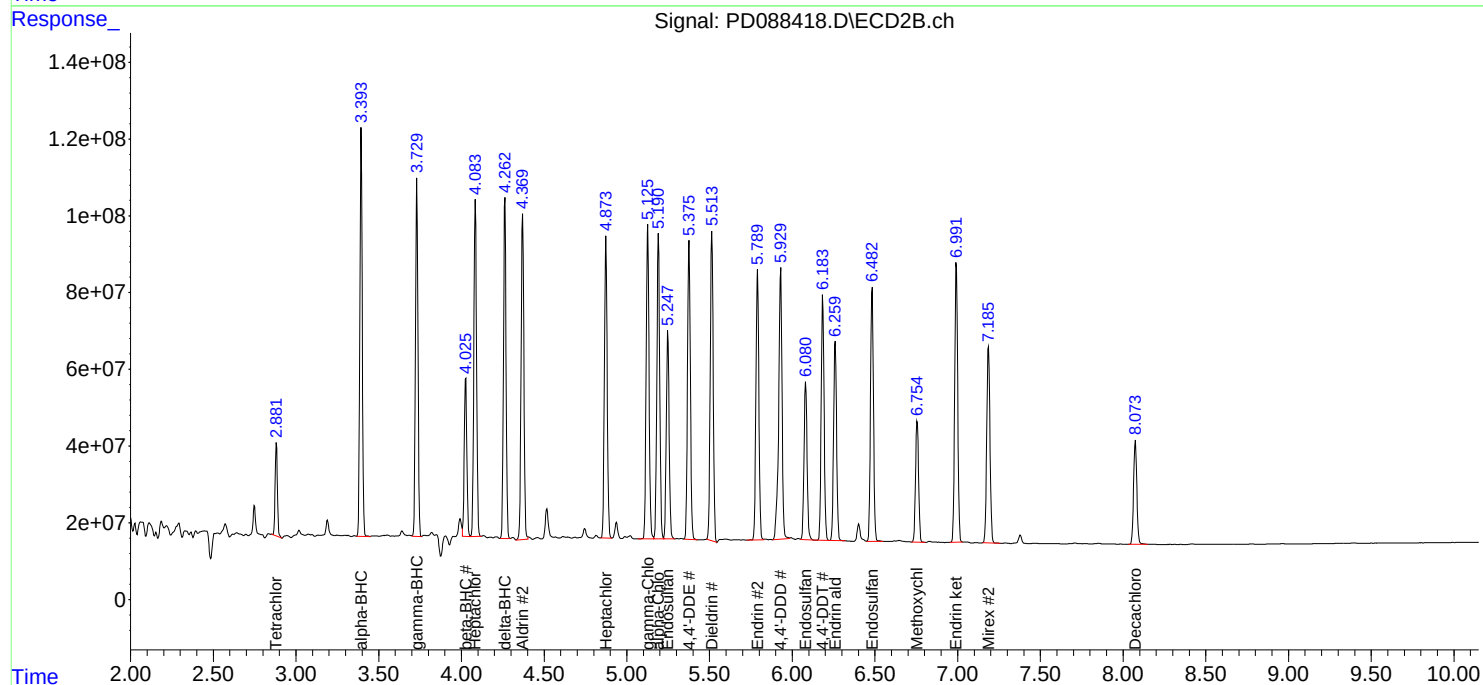
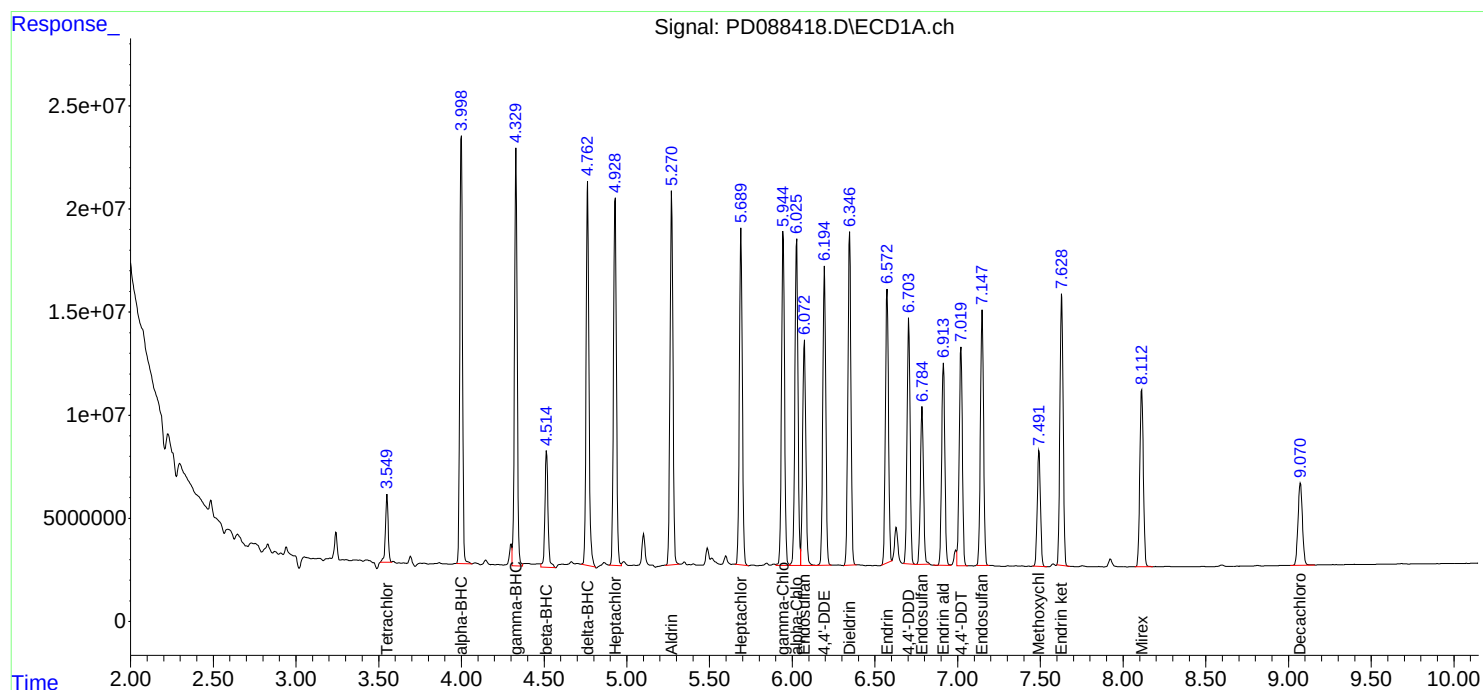
APPROVED

Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:41:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:

PD041825

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088122.D	4,4"-DDD #2	Abdul	4/19/2025 2:06:43 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC100	PD088124.D	Heptachlor epoxide #2	Abdul	4/19/2025 2:06:47 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PSTDICC005	PD088128.D	delta-BHC	Abdul	4/19/2025 2:20:23 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	4,4"-DDD	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software
PEM	PD088143.D	Endrin aldehyde	Abdul	4/19/2025 2:07:12 PM	mohammad	4/22/2025 2:20:46	Peak Integrated by Software

Manual Integration Report

Sequence:	pd050125	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088365.D	4,4"-DDE	Abdul	5/2/2025 8:29:00 AM	mohammad	5/5/2025 4:37:38	Peak Integrated by Software
PEM	PD088365.D	4,4"-DDE #2	Abdul	5/2/2025 8:29:00 AM	mohammad	5/5/2025 4:37:38	Peak Integrated by Software
PEM	PD088365.D	Endrin aldehyde #2	Abdul	5/2/2025 8:29:00 AM	mohammad	5/5/2025 4:37:38	Peak Integrated by Software
Q1913-02	PD088374.D	Tetrachloro-m-xylene	Abdul	5/2/2025 8:29:07 AM	mohammad	5/5/2025 4:37:43	Peak Integrated by Software
Q1913-02	PD088374.D	Tetrachloro-m-xylene #2	Abdul	5/2/2025 8:29:07 AM	mohammad	5/5/2025 4:37:43	Peak Integrated by Software
Q1913-04	PD088375.D	Dieldrin	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1913-04	PD088375.D	Dieldrin #2	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1913-04	PD088375.D	Methoxychlor	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1913-04	PD088375.D	Methoxychlor #2	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1913-04	PD088375.D	Tetrachloro-m-xylene	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1913-04	PD088375.D	Tetrachloro-m-xylene #2	Abdul	5/2/2025 8:29:10 AM	mohammad	5/5/2025 4:37:46	Peak Integrated by Software
Q1901-08MS	PD088377.D	delta-BHC	Abdul	5/2/2025 8:29:14 AM	mohammad	5/5/2025 4:37:48	Peak Integrated by Software
Q1901-08MSD	PD088378.D	delta-BHC	Abdul	5/2/2025 8:29:17 AM	mohammad	5/5/2025 4:37:33	Peak Integrated by Software



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

Manual Integration Report

Sequence:	pd050125	Instrument	ECD_d
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PD088384.D	4,4"-DDE #2	Abdul	5/2/2025 8:29:21 AM	mohammad	5/5/2025 4:37:35	Peak Integrated by Software

Manual Integration Report

Sequence:

pd050525

Instrument

ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088407.D	4,4"-DDE	Abdul	5/6/2025 8:14:08 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
PEM	PD088407.D	Endrin ketone	Abdul	5/6/2025 8:14:08 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MS	PD088417.D	4,4"-DDD #2	Abdul	5/6/2025 8:14:15 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MS	PD088417.D	Aldrin	Abdul	5/6/2025 8:14:15 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MS	PD088417.D	Aldrin #2	Abdul	5/6/2025 8:14:15 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MS	PD088417.D	beta-BHC #2	Abdul	5/6/2025 8:14:15 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MSD	PD088418.D	4,4"-DDD #2	Abdul	5/6/2025 8:14:19 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MSD	PD088418.D	Aldrin	Abdul	5/6/2025 8:14:19 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MSD	PD088418.D	Aldrin #2	Abdul	5/6/2025 8:14:19 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MSD	PD088418.D	beta-BHC #2	Abdul	5/6/2025 8:14:19 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software
Q1929-03MSD	PD088418.D	Heptachlor #2	Abdul	5/6/2025 8:14:19 AM	mohammad	5/7/2025 6:08:52	Peak Integrated by Software

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088120.D	18 Apr 2025 13:02	AR\AJ	Ok
2	I.BLK	PD088121.D	18 Apr 2025 13:15	AR\AJ	Ok
3	PEM	PD088122.D	18 Apr 2025 13:29	AR\AJ	Ok,M
4	RESCHK	PD088123.D	18 Apr 2025 13:43	AR\AJ	Ok
5	PSTDICC100	PD088124.D	18 Apr 2025 13:56	AR\AJ	Ok,M
6	PSTDICC075	PD088125.D	18 Apr 2025 14:10	AR\AJ	Ok
7	PSTDICC050	PD088126.D	18 Apr 2025 14:24	AR\AJ	Ok
8	PSTDICC025	PD088127.D	18 Apr 2025 14:37	AR\AJ	Ok
9	PSTDICC005	PD088128.D	18 Apr 2025 14:51	AR\AJ	Ok,M
10	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05	AR\AJ	Ok
11	PCHLORICC750	PD088130.D	18 Apr 2025 15:18	AR\AJ	Ok
12	PCHLORICC500	PD088131.D	18 Apr 2025 15:32	AR\AJ	Ok
13	PCHLORICC250	PD088132.D	18 Apr 2025 15:46	AR\AJ	Ok
14	PCHLORICC050	PD088133.D	18 Apr 2025 15:59	AR\AJ	Ok,M
15	PTOXICC1000	PD088134.D	18 Apr 2025 16:13	AR\AJ	Ok,M
16	PTOXICC750	PD088135.D	18 Apr 2025 16:27	AR\AJ	Ok
17	PTOXICC500	PD088136.D	18 Apr 2025 16:40	AR\AJ	Ok
18	PTOXICC250	PD088137.D	18 Apr 2025 16:54	AR\AJ	Ok,M
19	PTOXICC100	PD088138.D	18 Apr 2025 17:08	AR\AJ	Ok,M
20	PSTDICV050	PD088139.D	18 Apr 2025 17:21	AR\AJ	Ok
21	PCHLORICV500	PD088140.D	18 Apr 2025 17:35	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PTOXICV500	PD088141.D	18 Apr 2025 17:49	AR\AJ	Ok
23	I.BLK	PD088142.D	18 Apr 2025 18:02	AR\AJ	Ok
24	PEM	PD088143.D	18 Apr 2025 18:16	AR\AJ	Ok,M
25	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050125

Review By	Abdul	Review On	5/2/2025 8:29:41 AM
Supervise By	mohammad	Supervise On	5/5/2025 4:38:37 AM
SubDirectory	PD050125	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088363.D	01 May 2025 09:28	AR\AJ	Ok
2	I.BLK	PD088364.D	01 May 2025 09:42	AR\AJ	Ok
3	PEM	PD088365.D	01 May 2025 09:55	AR\AJ	Ok,M
4	PSTDCCC050	PD088366.D	01 May 2025 11:21	AR\AJ	Ok
5	Q1910-01DL	PD088367.D	01 May 2025 11:42	AR\AJ	Ok,M
6	I.BLK	PD088368.D	01 May 2025 11:56	AR\AJ	Ok
7	PSTDCCC050	PD088369.D	01 May 2025 12:09	AR\AJ	Ok
8	PB167820BL	PD088370.D	01 May 2025 13:39	AR\AJ	Ok
9	PB167820BS	PD088371.D	01 May 2025 13:53	AR\AJ	Ok
10	PB167774TB	PD088372.D	01 May 2025 14:06	AR\AJ	Ok
11	PB167805TB	PD088373.D	01 May 2025 14:20	AR\AJ	Ok
12	Q1913-02	PD088374.D	01 May 2025 14:34	AR\AJ	Ok,M
13	Q1913-04	PD088375.D	01 May 2025 14:47	AR\AJ	Ok,M
14	Q1901-08	PD088376.D	01 May 2025 15:01	AR\AJ	Ok
15	Q1901-08MS	PD088377.D	01 May 2025 15:15	AR\AJ	Ok,M
16	Q1901-08MSD	PD088378.D	01 May 2025 15:28	AR\AJ	Ok,M
17	Q1901-09	PD088379.D	01 May 2025 15:42	AR\AJ	Ok
18	Q1901-10	PD088380.D	01 May 2025 15:56	AR\AJ	Ok
19	Q1901-11	PD088381.D	01 May 2025 16:10	AR\AJ	Ok
20	Q1907-02	PD088382.D	01 May 2025 16:23	AR\AJ	Ok
21	I.BLK	PD088383.D	01 May 2025 16:37	AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050125

Review By	Abdul	Review On	5/2/2025 8:29:41 AM
Supervise By	mohammad	Supervise On	5/5/2025 4:38:37 AM
SubDirectory	PD050125	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	PSTDCCC050	PD088384.D	01 May 2025 17:19	AR\AJ	Ok,M
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M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050525

Review By	Abdul	Review On	5/6/2025 8:14:35 AM
Supervise By	mohammad	Supervise On	5/7/2025 6:08:52 AM
SubDirectory	PD050525	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088405.D	05 May 2025 08:03	AR\AJ	Ok
2	I.BLK	PD088406.D	05 May 2025 08:17	AR\AJ	Ok
3	PEM	PD088407.D	05 May 2025 08:30	AR\AJ	Ok,M
4	PSTDCCC050	PD088408.D	05 May 2025 08:44	AR\AJ	Ok
5	PB167848BL	PD088409.D	05 May 2025 09:04	AR\AJ	Ok
6	PB167848BS	PD088410.D	05 May 2025 09:18	AR\AJ	Ok
7	PB167815TB	PD088411.D	05 May 2025 09:45	AR\AJ	Ok
8	Q1913-01	PD088412.D	05 May 2025 09:59	AR\AJ	Ok
9	Q1913-03	PD088413.D	05 May 2025 10:12	AR\AJ	Ok
10	I.BLK	PD088414.D	05 May 2025 10:26	AR\AJ	Ok
11	PSTDCCC050	PD088415.D	05 May 2025 10:40	AR\AJ	Ok
12	Q1929-03	PD088416.D	05 May 2025 10:53	AR\AJ	Ok,M
13	Q1929-03MS	PD088417.D	05 May 2025 11:07	AR\AJ	Ok,M
14	Q1929-03MSD	PD088418.D	05 May 2025 11:21	AR\AJ	Ok,M
15	Q1929-07	PD088419.D	05 May 2025 11:34	AR\AJ	Ok,M
16	Q1929-11	PD088420.D	05 May 2025 11:48	AR\AJ	Ok
17	I.BLK	PD088421.D	05 May 2025 13:03	AR\AJ	Ok
18	PSTDCCC050	PD088422.D	05 May 2025 13:47	AR\AJ	Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088120.D	18 Apr 2025 13:02		AR\AJ	Ok
2	I.BLK	I.BLK	PD088121.D	18 Apr 2025 13:15		AR\AJ	Ok
3	PEM	PEM	PD088122.D	18 Apr 2025 13:29		AR\AJ	Ok,M
4	RESCHK	RESCHK	PD088123.D	18 Apr 2025 13:43		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PD088124.D	18 Apr 2025 13:56		AR\AJ	Ok,M
6	PSTDICC075	PSTDICC075	PD088125.D	18 Apr 2025 14:10		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PD088126.D	18 Apr 2025 14:24		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PD088127.D	18 Apr 2025 14:37		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PD088128.D	18 Apr 2025 14:51		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PD088129.D	18 Apr 2025 15:05		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PD088130.D	18 Apr 2025 15:18		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PD088131.D	18 Apr 2025 15:32		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PD088132.D	18 Apr 2025 15:46		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PD088133.D	18 Apr 2025 15:59		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PD088134.D	18 Apr 2025 16:13		AR\AJ	Ok,M
16	PTOXICC750	PTOXICC750	PD088135.D	18 Apr 2025 16:27		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PD088136.D	18 Apr 2025 16:40		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PD088137.D	18 Apr 2025 16:54		AR\AJ	Ok,M

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD041825

Review By	Abdul	Review On	4/19/2025 2:07:56 PM
Supervise By	mohammad	Supervise On	4/22/2025 2:20:46 AM
SubDirectory	PD041825	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	PTOXICC100	PTOXICC100	PD088138.D	18 Apr 2025 17:08		AR\AJ	Ok,M
20	PSTDICV050	ICVPD041825	PD088139.D	18 Apr 2025 17:21		AR\AJ	Ok
21	PCHLORICV500	ICVPD041825CHLOR	PD088140.D	18 Apr 2025 17:35		AR\AJ	Ok
22	PTOXICV500	ICVPD041825TOX	PD088141.D	18 Apr 2025 17:49		AR\AJ	Ok
23	I.BLK	I.BLK	PD088142.D	18 Apr 2025 18:02		AR\AJ	Ok
24	PEM	PEM	PD088143.D	18 Apr 2025 18:16		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PD088144.D	18 Apr 2025 18:30	ccc high	AR\AJ	Not Ok

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050125

Review By	Abdul	Review On	5/2/2025 8:29:41 AM
Supervise By	mohammad	Supervise On	5/5/2025 4:38:37 AM
SubDirectory	PD050125	HP Acquire Method	HP Processing Method pd041825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088363.D	01 May 2025 09:28		AR\AJ	Ok
2	I.BLK	I.BLK	PD088364.D	01 May 2025 09:42		AR\AJ	Ok
3	PEM	PEM	PD088365.D	01 May 2025 09:55		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088366.D	01 May 2025 11:21		AR\AJ	Ok
5	Q1910-01DL	MOO-25-0123-27DL	PD088367.D	01 May 2025 11:42		AR\AJ	Ok,M
6	I.BLK	I.BLK	PD088368.D	01 May 2025 11:56		AR\AJ	Ok
7	PSTDCCC050	PSTDCCC050	PD088369.D	01 May 2025 12:09		AR\AJ	Ok
8	PB167820BL	PB167820BL	PD088370.D	01 May 2025 13:39		AR\AJ	Ok
9	PB167820BS	PB167820BS	PD088371.D	01 May 2025 13:53		AR\AJ	Ok
10	PB167774TB	PB167774TB	PD088372.D	01 May 2025 14:06		AR\AJ	Ok
11	PB167805TB	PB167805TB	PD088373.D	01 May 2025 14:20		AR\AJ	Ok
12	Q1913-02	WC-12-A-202504	PD088374.D	01 May 2025 14:34		AR\AJ	Ok,M
13	Q1913-04	WC-13-A-202504	PD088375.D	01 May 2025 14:47		AR\AJ	Ok,M
14	Q1901-08	B-167-SB01	PD088376.D	01 May 2025 15:01		AR\AJ	Ok
15	Q1901-08MS	B-167-SB01MS	PD088377.D	01 May 2025 15:15		AR\AJ	Ok,M
16	Q1901-08MSD	B-167-SB01MSD	PD088378.D	01 May 2025 15:28		AR\AJ	Ok,M
17	Q1901-09	B-170-SB01	PD088379.D	01 May 2025 15:42		AR\AJ	Ok
18	Q1901-10	B-167-SB02	PD088380.D	01 May 2025 15:56		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050125

Review By	Abdul	Review On	5/2/2025 8:29:41 AM
Supervise By	mohammad	Supervise On	5/5/2025 4:38:37 AM
SubDirectory	PD050125	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	Q1901-11	B-170-SB02	PD088381.D	01 May 2025 16:10		AR\AJ	Ok
20	Q1907-02	CO-8R-WC	PD088382.D	01 May 2025 16:23		AR\AJ	Ok
21	I.BLK	I.BLK	PD088383.D	01 May 2025 16:37		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PD088384.D	01 May 2025 17:19		AR\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050525

Review By	Abdul	Review On	5/6/2025 8:14:35 AM
Supervise By	mohammad	Supervise On	5/7/2025 6:08:52 AM
SubDirectory	PD050525	HP Acquire Method	HP Processing Method pd041825 8081

STD. NAME	STD REF.#
Tune/Reschk	PP24433,PP24095
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284
CCC	PP24261,PP24273,PP24279,PP24284
Internal Standard/PEM	
ICV/I.BLK	PP24273,PP24279,PP24284
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088405.D	05 May 2025 08:03		AR\AJ	Ok
2	I.BLK	I.BLK	PD088406.D	05 May 2025 08:17		AR\AJ	Ok
3	PEM	PEM	PD088407.D	05 May 2025 08:30		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PD088408.D	05 May 2025 08:44		AR\AJ	Ok
5	PB167848BL	PB167848BL	PD088409.D	05 May 2025 09:04		AR\AJ	Ok
6	PB167848BS	PB167848BS	PD088410.D	05 May 2025 09:18		AR\AJ	Ok
7	PB167815TB	PB167815TB	PD088411.D	05 May 2025 09:45		AR\AJ	Ok
8	Q1913-01	WC-12-S-202504	PD088412.D	05 May 2025 09:59		AR\AJ	Ok
9	Q1913-03	WC-13-S-202504	PD088413.D	05 May 2025 10:12		AR\AJ	Ok
10	I.BLK	I.BLK	PD088414.D	05 May 2025 10:26		AR\AJ	Ok
11	PSTDCCC050	PSTDCCC050	PD088415.D	05 May 2025 10:40		AR\AJ	Ok
12	Q1929-03	WC-A4-02-C	PD088416.D	05 May 2025 10:53	TCMX low in 2nd column	AR\AJ	Ok,M
13	Q1929-03MS	WC-A4-02-CMS	PD088417.D	05 May 2025 11:07		AR\AJ	Ok,M
14	Q1929-03MSD	WC-A4-02-CMSD	PD088418.D	05 May 2025 11:21		AR\AJ	Ok,M
15	Q1929-07	WC-A1-03-C	PD088419.D	05 May 2025 11:34	TCMX low in 2nd column	AR\AJ	Ok,M
16	Q1929-11	WC-A1-04-C	PD088420.D	05 May 2025 11:48		AR\AJ	Ok
17	I.BLK	I.BLK	PD088421.D	05 May 2025 13:03		AR\AJ	Ok
18	PSTDCCC050	PSTDCCC050	PD088422.D	05 May 2025 13:47		AR\AJ	Ok

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QC Batch ID # PD050525

Review By	Abdul	Review On	5/6/2025 8:14:35 AM
Supervise By	mohammad	Supervise On	5/7/2025 6:08:52 AM
SubDirectory	PD050525	HP Acquire Method	HP Processing Method pd041825 8081
STD. NAME	STD REF.#		
Tune/Reschk	PP24433,PP24095		
Initial Calibration Stds	PP24260,PP24261,PP24262,PP24269,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,P P24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284		
CCC	PP24261,PP24273,PP24279,PP24284		
Internal Standard/PEM			
ICV/I.BLK	PP24273,PP24279,PP24284		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

SOP ID : M1311-TCLP-15

SDG No : N/A

Weight By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pipette ID : WC

Tumbler ID : T-1 / T-2

TCLP Filter ID : 115525

Start Prep Date : 04/29/2025 Time : 17:20

End Prep Date : 04/30/2025 Time : 11:30

Combination Ratio : 20

ZHE Cleaning Batch : ¹⁰ N/A

Initial Room Temperature: 23 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : *[Signature]*

Supervisor By : *12*

Standard 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	WP112795
HCL-TCLP,1N	N/A	WP112797
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
1 Liter Amber	N/A	90924-08
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and before preservation. TUMBLER T-1 / T-2 checked,30 rpm. Particle size reduction is not required. q1894-01,02 and 03 we receive limited volume so no fluid determination. Q1901-08 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/30/25 13:00	<i>JP</i> Prep Room	<i>[Signature]</i> RJE-1
	Preparation Group	Analysis Group <i>[Signature]</i>

TCLP EXTRACTION LOGPAGE

PB167774

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
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-1
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-1
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-1
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	100	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	100	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	100	N/A
Q1901-08	B-167-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-09	B-170-SB01	N/A	N/A	N/A	N/A	100	N/A
Q1901-10	B-167-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1901-11	B-170-SB02	N/A	N/A	N/A	N/A	100	N/A
Q1904-02	VNJ-210	N/A	N/A	N/A	N/A	100	N/A
Q1905-04	MH-G	N/A	N/A	N/A	N/A	100	N/A
Q1905-08	MH-H	N/A	N/A	N/A	N/A	100	N/A
Q1906-04	WC-4	N/A	N/A	N/A	N/A	100	N/A
Q1906-08	WC-5	N/A	N/A	N/A	N/A	100	N/A
Q1906-12	WC-6	N/A	N/A	N/A	N/A	100	N/A
Q1906-16	WC-7	N/A	N/A	N/A	N/A	100	N/A
Q1907-02	CO-8R-WC	N/A	N/A	N/A	N/A	100	N/A
Q1912-04	MH-E	N/A	N/A	N/A	N/A	100	N/A
Q1912-08	MH-F	N/A	N/A	N/A	N/A	100	N/A
Q1913-01	WC-12-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1913-03	WC-13-S-202504	N/A	N/A	N/A	N/A	100	N/A
Q1915-01	WC-04282025	N/A	N/A	N/A	N/A	100	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
PB167774TB	LEB774	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-01	PAINTED-GROUND-PIPE--1	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-02	PAINTED-GROUND-PIPE-2	N/A	N/A	N/A	N/A	N/A	N/A
Q1894-03	PAINTED-GROUND-PIPE-3	N/A	N/A	N/A	N/A	N/A	N/A
Q1901-08	B-167-SB01	5.02	96.5	8.4	3.0	#1	4.93
Q1901-09	B-170-SB01	5.01	96.5	9.0	4.0	#1	4.93
Q1901-10	B-167-SB02	5.02	96.5	7.0	3.5	#1	4.93
Q1901-11	B-170-SB02	5.03	96.5	8.2	3.5	#1	4.93
Q1904-02	VNJ-210	5.04	96.5	8.4	3.0	#1	4.93
Q1905-04	MH-G	5.03	96.5	5.6	1.5	#1	4.93
Q1905-08	MH-H	5.02	96.5	6.0	2.0	#1	4.93
Q1906-04	WC-4	5.03	96.5	7.6	2.5	#1	4.93
Q1906-08	WC-5	5.02	96.5	7.0	2.5	#1	4.93
Q1906-12	WC-6	5.01	96.5	6.6	2.0	#1	4.93
Q1906-16	WC-7	5.02	96.5	6.6	2.0	#1	4.93
Q1907-02	CO-8R-WC	5.02	96.5	8.4	3.0	#1	4.93
Q1912-04	MH-E	5.01	96.5	6.6	2.0	#1	4.93
Q1912-08	MH-F	5.02	96.5	6.4	2.0	#1	4.93
Q1913-01	WC-12-S-202504	5.02	96.5	8.2	3.5	#1	4.93
Q1913-03	WC-13-S-202504	5.01	96.5	8.0	3.0	#1	4.93
Q1915-01	WC-04282025	5.02	96.5	8.4	3.5	#1	4.93

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q1907 WorkList ID : 189188 Department : TCLP Extraction Date : 04-29-2025 07:58:37

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1913-03	WC-13-S-202504	Solid	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1915-01	WC-04282025	Solid	TCLP Extraction	Cool 4 deg C	CAMP02	L41	04/28/2025	1311
Q1901-08	B-167-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-09	B-170-SB01	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-10	B-167-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1901-11	B-170-SB02	Solid	TCLP Extraction	Cool 4 deg C	PORT06	L51	04/26/2025	1311
Q1894-01	PAINTED-GROUND-PIPE--1	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1894-02	PAINTED-GROUND-PIPE-2	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1894-03	PAINTED-GROUND-PIPE-3	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L31	04/28/2025	1311
Q1904-02	VNJ-210	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1905-04	MH-G	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1905-08	MH-H	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/28/2025	1311
Q1906-04	WC-4	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-08	WC-5	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-12	WC-6	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1906-16	WC-7	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L41	04/28/2025	1311
Q1912-04	MH-E	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/29/2025	1311
Q1912-08	MH-F	Solid	TCLP Extraction	Cool 4 deg C	PSEG03	L51	04/29/2025	1311
Q1907-02	CO-8R-WC	Solid	TCLP Extraction	Cool 4 deg C	WALS01		04/28/2025	1311

Date/Time 04/29/25 17:00
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

Date/Time 04/29/25 19:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: [Signature]

SOP ID :	M1311-TCLP-15		
SDG No :	N/A	Start Prep Date :	N/A Time : N/A
Welgh By :	N/A	End Prep Date :	N/A Time : N/A
Balance ID :	N/A	Combination Ratio :	N/A
pH Meter ID :	WC PH METER-1	ZHE Cleaning Batch :	N/A 70
Extraction By :	JP	Initial Room Temperature:	N/A
Filter By :	JP	Final Room Temperature:	N/A
Pipette ID :	N/A	TCLP Technician Signature :	JP
Tumbler ID :	N/A	Supervisor By :	12
TCLP Filter ID :	115525		

Standarded 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
N/A	N/A	N/A
N/A	N/A	N/A
HNO3-TCLP,1N	N/A	WP112799
pH Strips	N/A	W1931,W1934,W3171,W3172
pH Strips	W1940,W1941,W1942	W3166,W1938,W1939,
N/A	N/A	N/A
120ml Plastic bottle	N/A	2738
1:1 HNO3	N/A	MP84041

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after filtration and tumbling. Q1913-02 IS USED FOR MS-MSD.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/20/15 13:00	JP HCL Room	S/S R3/EXT
	Preparation Group	Analysis Group

Handwritten signature/initials

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
PB167805TB	LEB805	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/A
Q1913-02	WC-12-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/A
Q1913-04	WC-13-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/A

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB167805TB	LEB805	N/A	N/A	N/A	N/A	N/A	N/A
Q1913-02	WC-12-A-202504	N/A	N/A	N/A	N/A	<0.5	N/A
Q1913-04	WC-13-A-202504	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TCLP Q Q1913 WorkList ID : 189233 Department : TCLP Extraction Date : 04-30-2025 11:04:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-02	WC-12-A-202504	Water	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311
Q1913-04	WC-13-A-202504	Water	TCLP Extraction	Cool 4 deg C	AECO02	L21	04/29/2025	1311

Date/Time 04/30/25 11:15
Raw Sample Received by: SB WBC JDCSM
Raw Sample Relinquished by: JDCSM

Date/Time 04/30/25 13:30
Raw Sample Received by: JDCSM
Raw Sample Relinquished by: SB CAG

SOP ID:	M3510C,3580A-Extraction Pesticide-16			
Clean Up SOP #:	N/A	Extraction Start Date :	05/01/2025	
Matrix :	Water	Extraction Start Time :	08:56	
Weigh By:	N/A	Extraction By:	RS	Extraction End Date :
Balance check:	N/A	Filter By:	RS	Extraction End Time :
Balance ID:	N/A	pH Meter ID:	N/A	Concentration By:
pH Strip Lot#:	E3880	Hood ID:	4,6,7	Supervisor By :
Extraction Method:	☒ Separatory Funnel	☐ Continious Liquid/Liquid	☐ Sonication	☐ Waste Dilution
			☐ Soxhlet	

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
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

[illegible]**Extraction Conformance/Non-Conformance Comments:**

40 ML Vial lot# 03-40 BTS723.

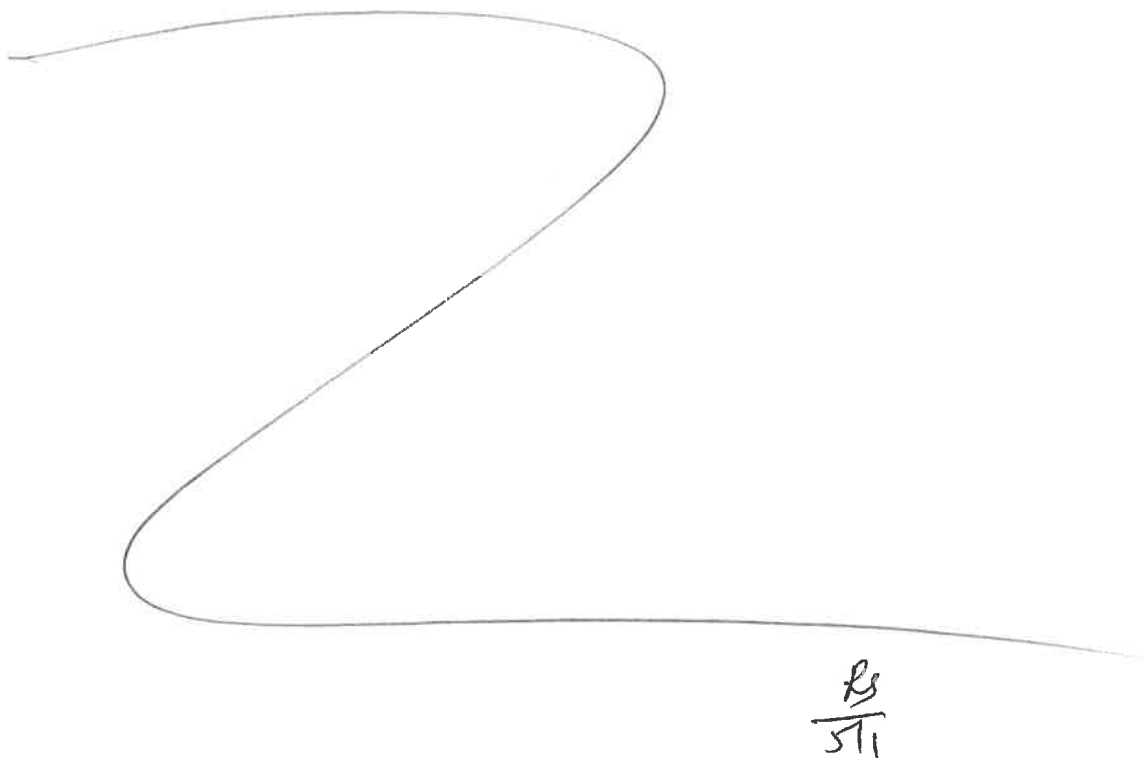
KD Bath ID:	<u>WATER BATH-1,2</u>	Envap ID:	<u>NEVAP-02</u>
KD Bath Temperature:	60 °C	Envap Temperature:	40 °C

Date / Time 5/1/25 13:35	Prepped Sample Relinquished By/Location RSC (ESU- Lab)	Received By/Location Y-P-Pes + PRG
	Preparation Group	Analysis Group

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

Concentration Date: 05/01/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167774TB	PB167774TB	TCLP Pesticide	100	6	RUPESH	Evelyn	10			SEP-1
PB167805TB	PB167805TB	TCLP Pesticide	100	6	RUPESH	Evelyn	10			2
PB167820BL	PBLK820	TCLP Pesticide	1000	6	RUPESH	Evelyn	10			3
PB167820BS	PLCS820	TCLP Pesticide	1000	6	RUPESH	Evelyn	10			4
Q1901-08	B-167-SB01	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		5
Q1901-08MS	B-167-SB01MS	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		6
Q1901-08MS D	B-167-SB01MSD	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		7
Q1901-09	B-170-SB01	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		8
Q1901-10	B-167-SB02	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		9
Q1901-11	B-170-SB02	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		10
Q1907-02	CO-8R-WC	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		11
Q1913-02	WC-12-A-202504	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		12
Q1913-04	WC-13-A-202504	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		13



TCLP EXTRACTION LOGPAGE

PB167774

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
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-1
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-1
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-1
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

04/30/25
13:00

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
PB167805TB	LEB805	N/A	N/A	N/A	N/A	N/A	N/A	4.93	1.0	N/A
Q1913-02	WC-12-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/A
Q1913-04	WC-13-A-202504	N/A	N/A	N/A	N/A	N/A	N/A	12.0	1.5	N/A

04/30/25
131.00

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#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 05/02/2025

Extraction Start Time : 12:44

Extraction End Date : 05/02/2025

Extraction End Time : 17:10

Concentration By: EH

Supervisor By : RUPESH

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	500 PPB	PP24285
Surrogate	1.0ML	200 PPB	PP24460
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2607
Hexane	N/A	E3928
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS723.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

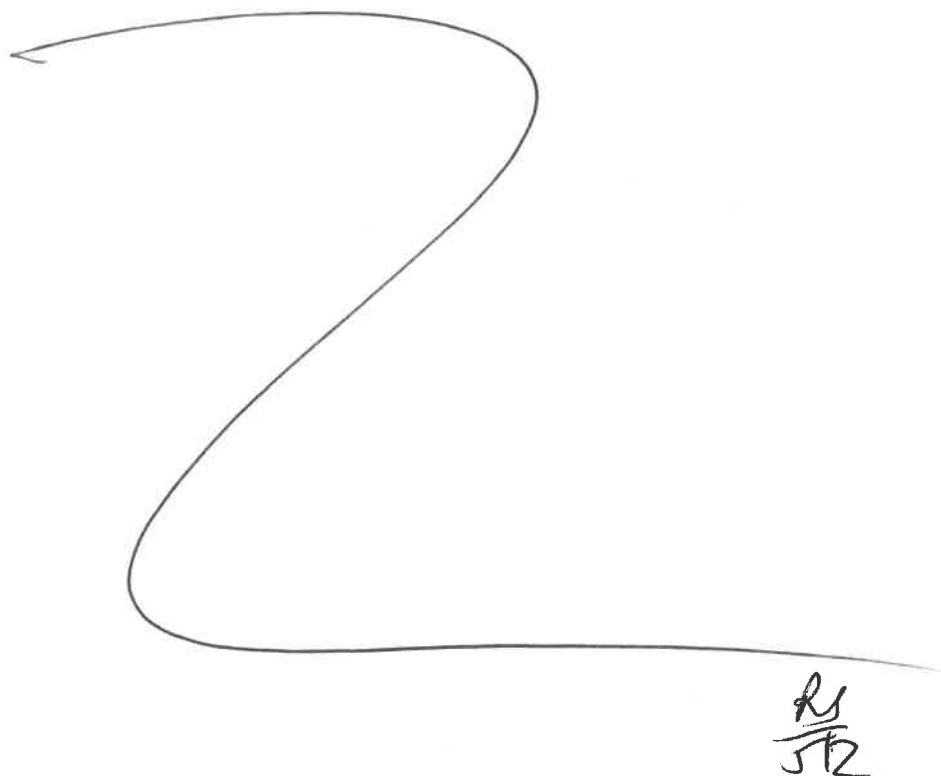
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/2/25 17:15	RS (Ext-Lab)	R. Pest/PCB Lab
	Preparation Group	Analysis Group

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

Concentration Date: 05/02/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167815TB	PB167815TB	TCLP Pesticide	100	6	RUPESH	Evelyn	10			SEP-1
PB167848BL	PBLK848	TCLP Pesticide	1000	6	RUPESH	Evelyn	10			2
PB167848BS	PLCS848	TCLP Pesticide	1000	6	RUPESH	Evelyn	10			3
Q1913-01	WC-12-S-202504	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		4
Q1913-03	WC-13-S-202504	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		5
Q1929-03	WC-A4-02-C	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		6
Q1929-03MS	WC-A4-02-CMS	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		7
Q1929-03MS D	WC-A4-02-CMSD	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		8
Q1929-07	WC-A4-03-C	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		9
Q1929-11	WC-A4-04-C	TCLP Pesticide	100	6	RUPESH	Evelyn	10	A		10



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
PB167774TB	LEB774	21	N/A	2000	N/A	N/A	N/A	4.93	1.0	T-2
Q1894-01	PAINTED-GROUND-PIPE--1	01	25.00	500	N/A	N/A	N/A	5.5	1.0	T-1
Q1894-02	PAINTED-GROUND-PIPE-2	02	35.00	700	N/A	N/A	N/A	5.6	1.5	T-1
Q1894-03	PAINTED-GROUND-PIPE-3	03	34.00	680	N/A	N/A	N/A	5.6	1.5	T-1
Q1901-08	B-167-SB01	04	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1901-09	B-170-SB01	05	100.03	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1901-10	B-167-SB02	06	100.04	2000	N/A	N/A	N/A	5.8	1.0	T-1
Q1901-11	B-170-SB02	07	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1904-02	VNJ-210	08	100.03	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1905-04	MH-G	09	100.02	2000	N/A	N/A	N/A	3.0	1.0	T-1
Q1905-08	MH-H	10	100.01	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1906-04	WC-4	11	100.02	2000	N/A	N/A	N/A	5.5	1.0	T-2
Q1906-08	WC-5	12	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-2
Q1906-12	WC-6	13	100.02	2000	N/A	N/A	N/A	5.0	1.0	T-2
Q1906-16	WC-7	14	100.03	2000	N/A	N/A	N/A	5.0	1.5	T-2
Q1907-02	CO-8R-WC	15	100.02	2000	N/A	N/A	N/A	5.8	1.5	T-2
Q1912-04	MH-E	16	100.03	2000	N/A	N/A	N/A	4.5	1.0	T-2
Q1912-08	MH-F	17	100.02	2000	N/A	N/A	N/A	4.0	1.5	T-2
Q1913-01	WC-12-S-202504	18	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2
Q1913-03	WC-13-S-202504	19	100.03	2000	N/A	N/A	N/A	6.2	1.5	T-2
Q1915-01	WC-04282025	20	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-2

04/30/25
13:00

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
PB167815TB	LEB815	19	N/A	2000	N/A	N/A	N/A	4.94	1.5	T-2
Q1865-08	SOM-25-00051	01	100.02	2000	N/A	N/A	N/A	6.0	1.0	T-1
Q1916-04	WC-12	02	100.03	2000	N/A	N/A	N/A	5.6	1.5	T-1
Q1917-04	MH-JJ	03	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
Q1922-04	MH-R	04	100.02	2000	N/A	N/A	N/A	3.5	1.0	T-1
Q1922-08	MH-S	05	100.03	2000	N/A	N/A	N/A	4.0	1.5	T-1
Q1925-01	AUD-25-0068	06	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1925-02	AUD-25-0069	07	100.01	2000	N/A	N/A	N/A	7.0	1.5	T-1
Q1925-03	AUD-25-0070	08	100.02	2000	N/A	N/A	N/A	7.2	1.0	T-1
Q1928-04	MH-Q	09	100.03	2000	N/A	N/A	N/A	3.0	1.5	T-1
Q1929-03	WC-AA-02-C	10	100.02	2000	N/A	N/A	N/A	11.5	1.0	T-1
Q1929-07	WC-AA-03-C	11	100.03	2000	N/A	N/A	N/A	11.5	1.5	T-2
Q1929-11	WC-AA-04-C	12	100.02	2000	N/A	N/A	N/A	12.0	1.0	T-2
Q1932-02	COMP-4	13	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1932-04	COMP-5	14	100.02	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q1932-06	COMP-6	15	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-2
Q1932-08	COMP-7	16	100.04	2000	N/A	N/A	N/A	7.0	1.0	T-2
Q1935-04	MH-NN	17	100.02	2000	N/A	N/A	N/A	3.5	1.5	T-2
Q1935-08	MH-MM	18	100.01	2000	N/A	N/A	N/A	3.0	1.0	T-2

05/02/25
121.00



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY NEW YORK STATE: NY ZIP: 10158
ATTENTION: Amit Haryani
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Meeker Ave Superfund
PROJECT NO.: 60705866 LOCATION: Brooklyn
PROJECT MANAGER: Amit Haryani
e-mail: amit.haryani@aecom.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY SAME STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) 3 days DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. TCLP VOA
2. TCLP BBA
3. TCLP
4. Paint Filter
5. Metals Mercury
6. Reactive organics
7. Reactive sulfide
8. pH
9. PCBs Pesticides
10. Fertilizer

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	WC-12-A-202504	WATER	X		4/29/25	7:00	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.	WC-12-S-202504	SOIL	X		4/29/25	7:00	7	✓	✓								
3.	WC-13-A-202504	WATER	X		4/29/25	7:50	11	✓	✓	✓	✓	✓	✓	✓	✓	✓	
4.	WC-13-S-202504	SOIL	X		4/29/25	7:50	7	✓	✓								
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. Ewa Pencyliviz	DATE/TIME: 1215 4/29/25	RECEIVED BY: 1. [Signature] 4-29-25	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2°C
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	Comments: Temp 2.2°C Adjustment factor AD IR Gun #1
RELINQUISHED BY SAMPLER: 3. [Signature]	DATE/TIME: 1650 4-29-25	RECEIVED BY: 3.	Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

From: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Sent: Thursday, May 01, 2025 8:04 PM
To: Yazmeen Gomez
Cc: Fairbanks, Peter; Haryani, Amit; Tan, Paul
Subject: RE: Chemtech/Alliance - Samples - 11/14

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

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Dear Yazmeen,

I believe that I missed parameter (corrosivity) for samples picked up on Tuesday. Below is a table with parameters for each sample. I believe that this is standard analysis but just want to make sure that everything is correct.

Sample Identifier/location	CLP Sample ID	Matrix	Analyses	Sample Type	Sample Date	Date Shipped
Alliance Technical Group Company						
WC-12-S-202504	NA	IDW - SOLID	Paint Filter 9095B Flashpoint 1010 PCB 8082A TCLP BNA 8270E TCLP Pesticide 8081B Corrosivity 9045C Reactive Cyanide 9014 Reactive Sulfide 9034 TCLP Extraction 1311 TCLP ICP Metals 6010D TCLP VOAS 8260 TCLP MERCURY – 7470A	IDW Sample	4/29/25	4/29/25

WC-12-A-202504	NA	IDW - AQUEOUS	TCLP BNA - 8270E pH-9040C FLASH POINT- 1010A PCB- 8082A TCLP PESTICIDES- 8081B REACTIVE CYANIDE - 9012B REACTIVE SULFIDE- 9034 PAINT FILTER-9095B TCLP VOAS- 8260D TCLP ICP METAL - 6010B TCLP MERCURY – 7470A	IDW Sample	4/29/25	4/29/25
WC-13-S-202504	NA	IDW - SOLID	Paint Filter 9095B Flashpoint 1010 PCB 8082A TCLP BNA 8270E TCLP Pesticide 8081B Corrosivity 9045C Reactive Cyanide 9014 Reactive Sulfide 9034 TCLP Extraction 1311 TCLP ICP Metals 6010D TCLP VOAS 8260 TCLP MERCURY – 7470A	IDW Sample	4/29/25	4/29/25
WC-13-A-202504	NA	IDW - AQUEOUS	TCLP BNA - 8270E pH-9040C FLASH POINT- 1010A PCB- 8082A TCLP PESTICIDES- 8081B REACTIVE CYANIDE - 9012B REACTIVE SULFIDE- 9034 PAINT FILTER-9095B TCLP VOAS- 8260D TCLP ICP METAL - 6010B TCLP MERCURY – 7470A	IDW Sample	4/29/25	4/29/25

I apologize for any inconvenience.

Ewa

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>

Sent: Tuesday, April 29, 2025 9:59 AM

To: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>

Cc: Haryani, Amit <Amit.Haryani@aecom.com>; Tan, Paul <Paul.Tan@aecom.com>; Goldstein, Charlotte <charlotte.goldstein@aecom.com>

Subject: RE: Chemtech/Alliance - Samples - 11/14

Good morning,

5 days if you need results in a week or 10 days if you need standard TAT.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com     

From: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Sent: Tuesday, April 29, 2025 5:53 AM
To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Cc: Haryani, Amit <Amit.Haryani@aecom.com>; Tan, Paul <Paul.Tan@aecom.com>; Goldstein, Charlotte <charlotte.goldstein@aecom.com>
Subject: Re: Chemtech/Alliance - Samples - 11/14

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Good morning,

Can you please kindly help me and let me know what type of way turnaround I have to place on COC in order to receive the result in one week?

I appreciate your help.

Ewa

Get [Outlook for iOS](#)

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Monday, April 28, 2025 3:21:51 PM
To: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Cc: Haryani, Amit <Amit.Haryani@aecom.com>; Tan, Paul <Paul.Tan@aecom.com>; Goldstein, Charlotte <charlotte.goldstein@aecom.com>
Subject: RE: Chemtech/Alliance - Samples - 11/14

Good afternoon,

No problem, Pick up confirmed for tomorrow afternoon.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company

Main: 908-789-8900

Direct: 908-728-3147

Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092

www.alliancetg.com     

From: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>

Sent: Monday, April 28, 2025 2:24 PM

To: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>

Cc: Haryani, Amit <Amit.Haryani@aecom.com>; Tan, Paul <Paul.Tan@aecom.com>; Goldstein, Charlotte <charlotte.goldstein@aecom.com>

Subject: Re: Chemtech/Alliance - Samples - 11/14

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Secured by Check Point

Good afternoon,

Is there any chance we can have samples pick up tmrr afternoon? Adres is 3660 Meeker Ave, however I may not be in the storage so please let the courier know to call me prior his arrival. I will let him know where to meet me.

If tomorrow doesn't work let me know if Thursday works for you.

I appreciate your help.

Ewa

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From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>

Sent: Tuesday, April 15, 2025 9:37:20 AM

To: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>

Cc: Haryani, Amit <Amit.Haryani@aecom.com>; Tan, Paul <Paul.Tan@aecom.com>; Goldstein, Charlotte <charlotte.goldstein@aecom.com>

Subject: RE: Chemtech/Alliance - Samples - 11/14

Good morning,

Bottle order delivery confirmed – the courier will give you a call with an ETA.

Best Regards,



Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com   

From: "Poncyliusz, Ewa" <Ewa.Poncyliusz@aecom.com>
Date: April 15, 2025 at 7:08:41 AM EDT
To: Kiran Saleem <kiran.saleem@alliancetg.com>, "Haryani, Amit" <Amit.Haryani@aecom.com>
Cc: "Tan, Paul" <Paul.Tan@aecom.com>, "Goldstein, Charlotte" <charlotte.goldstein@aecom.com>
Subject: RE: Chemtech/Alliance - Samples - 11/14

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Secured by Check Point

Good morning,

Can we please have deliver 2 sets on aqueous waste characterization bottlewares for our Meeker Ave Superfund project? Delivery address is 3066 Review Ave. Please make sure that your courier will call me prior arrival because most likely I will be at the field nearby.

Thank you

Ewa

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Tuesday, March 4, 2025 1:06 PM
To: Haryani, Amit <Amit.Haryani@aecom.com>
Cc: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Subject: Re: Chemtech/Alliance - Samples - 11/14

Hello Amit and Ewa,

Hoping you are doing well. I am reaching out to check with you if you have any current or future projects with which we can help you with. Please let me know.

Thank you!

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,



Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Friday, November 15, 2024 4:17 PM
To: Haryani, Amit <Amit.Haryani@aecom.com>
Cc: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Subject: Re: Chemtech/Alliance - Samples - 11/14

Amit,

Thankyou.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

<image001.png>

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Haryani, Amit <Amit.Haryani@aecom.com>
Sent: Friday, November 15, 2024 1:44 PM
To: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Cc: Poncyliusz, Ewa <Ewa.Poncyliusz@aecom.com>
Subject: RE: Chemtech/Alliance - Samples - 11/14

Dear Kiran

Please proceed as detailed below in your email.

Regards
Amit

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Friday, November 15, 2024 10:04 AM
To: Haryani, Amit <Amit.Haryani@aecom.com>
Subject: Chemtech/Alliance - Samples - 11/14

Good Morning Amit,

I hope this message finds you well. I wanted to inform you that the samples WC-10-A-202411 and WC-11-A-202411, which we received on 11/14, have been scheduled for cyanide analysis. As part of our standard protocol, we will be preserving a small volume of each sample for cyanide testing prior to conducting the analysis.

We are notifying you in advance as part of our procedure to keep you informed before proceeding with this step.

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

<image001.png>

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488