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

Cover Page

Order ID : Q1956

Project ID : Bergen Point Fueling System

Client : CDM Smith

Lab Sample Number	Client Sample Number
Q1956-01	SB1-3-4
Q1956-02	SB2-4-5
Q1956-03	Q1956-02MS
Q1956-04	Q1956-02MSD
Q1956-05	COMP1
Q1956-06	SB91-3-4
Q1956-07	FB-05022025
Q1956-09	TB

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: 5/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

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 is 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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1956**

	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 Castody	✓
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: **MAHESH PATEL** **Date:** **05/10/2025**

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

LAB CHRONICLE

OrderID:	Q1956	**OrderDate:**	5/2/2025 3:14:35 PM
Client:	CDM Smith	**Project:**	Bergen Point Fueling System
Contact:	Marcie Ann Encinas	**Location:**	L31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1956-01	**SB1-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-02	**SB2-4-5**	**SOIL**			**05/02/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-06	**SB91-3-4**	**SOIL**			**05/01/25**			**05/02/25**
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/06/25	05/06/25	
			Pesticide-TCL	8081B		05/06/25	05/06/25	
Q1956-07	**FB-05022025**	**Water**			**05/02/25**			**05/02/25**
			Diesel Range Organics	8015D		05/08/25	05/08/25	
			Gasoline Range Organics	8015D			05/06/25	
			PCB	8082A		05/07/25	05/07/25	
			Pesticide-TCL	8081B		05/08/25	05/08/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1956 **Order ID:** Q1956

Client: CDM Smith **Project ID:** Bergen Point Fueling System

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SB2-4-5								
Q1956-02	SB2-4-5	SOIL	Endrin	0.32	JP	0.15	1.80	ug/kg
			Total Concentration:	**0.320**				
Client ID : SB91-3-4								
Q1956-06	SB91-3-4	SOIL	alpha-Chlordane	0.32	JP	0.13	1.90	ug/kg
			Total Concentration:	**0.320**				

QC SUMMARY

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

Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits 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-PD088432.D	PIBLK-PD088432.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	16.9	84		77	126
		Decachlorobiphenyl	2	20	19.5	98		43	140
		Tetrachloro-m-xylene	2	20	16.7	84		77	126
PB167914BL	PB167914BL	Decachlorobiphenyl	1	20	20.7	103		43	140
		Tetrachloro-m-xylene	1	20	17.9	89		77	126
		Decachlorobiphenyl	2	20	20.1	101		43	140
		Tetrachloro-m-xylene	2	20	18.7	94		77	126
PB167914BS	PB167914BS	Decachlorobiphenyl	1	20	21.0	105		43	140
		Tetrachloro-m-xylene	1	20	18.2	91		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	18.9	95		77	126
PB167914BSD	PB167914BSD	Decachlorobiphenyl	1	20	21.3	107		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	20.7	104		43	140
		Tetrachloro-m-xylene	2	20	19.1	95		77	126
Q1956-07	FB-05022025	Decachlorobiphenyl	1	20	13.0	65		43	140
		Tetrachloro-m-xylene	1	20	19.3	96		77	126
		Decachlorobiphenyl	2	20	12.7	64		43	140
		Tetrachloro-m-xylene	2	20	19.2	96		77	126
I.BLK-PD088439.D	PIBLK-PD088439.D	Decachlorobiphenyl	1	20	19.4	97		43	140
		Tetrachloro-m-xylene	1	20	16.8	84		77	126
		Decachlorobiphenyl	2	20	19.0	95		43	140
		Tetrachloro-m-xylene	2	20	16.7	84		77	126
I.BLK-PL095326.D	PIBLK-PL095326.D	Decachlorobiphenyl	1	20	18.9	94		43	140
		Tetrachloro-m-xylene	1	20	17.3	87		77	126
		Decachlorobiphenyl	2	20	18.2	91		43	140
		Tetrachloro-m-xylene	2	20	17.1	86		77	126
I.BLK-PL095560.D	PIBLK-PL095560.D	Decachlorobiphenyl	1	20	19.8	99		43	140
		Tetrachloro-m-xylene	1	20	18.0	90		77	126
		Decachlorobiphenyl	2	20	20.6	103		43	140
		Tetrachloro-m-xylene	2	20	20.9	104		77	126
PB167878BL	PB167878BL	Decachlorobiphenyl	1	20	22.1	111		20	144
		Tetrachloro-m-xylene	1	20	21.5	108		19	148
		Decachlorobiphenyl	2	20	25.1	125		20	144
		Tetrachloro-m-xylene	2	20	25.9	130		19	148
PB167878BS	PB167878BS	Decachlorobiphenyl	1	20	18.4	92		20	144

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

Surrogate Summary

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
PB167878BS	PB167878BS	Tetrachloro-m-xylene	1	20	17.1	85		19	148
		Decachlorobiphenyl	2	20	21.4	107		20	144
		Tetrachloro-m-xylene	2	20	21.9	109		19	148
I.BLK-PL095566.D	PIBLK-PL095566.D	Decachlorobiphenyl	1	20	17.7	88		43	140
		Tetrachloro-m-xylene	1	20	18.1	91		77	126
		Decachlorobiphenyl	2	20	18.6	93		43	140
		Tetrachloro-m-xylene	2	20	21.8	109		77	126
Q1956-01	SB1-3-4	Decachlorobiphenyl	1	20	14.5	72		20	144
		Tetrachloro-m-xylene	1	20	20.6	103		19	148
		Decachlorobiphenyl	2	20	14.9	75		20	144
		Tetrachloro-m-xylene	2	20	26.0	130		19	148
Q1956-02	SB2-4-5	Decachlorobiphenyl	1	20	15.4	77		20	144
		Tetrachloro-m-xylene	1	20	19.9	100		19	148
		Decachlorobiphenyl	2	20	16.6	83		20	144
		Tetrachloro-m-xylene	2	20	25.5	128		19	148
Q1956-03MS	SB2-4-5MS	Decachlorobiphenyl	1	20	14.8	74		20	144
		Tetrachloro-m-xylene	1	20	18.5	92		19	148
		Decachlorobiphenyl	2	20	16.2	81		20	144
		Tetrachloro-m-xylene	2	20	22.9	115		19	148
Q1956-04MSD	SB2-4-5MSD	Decachlorobiphenyl	1	20	14.6	73		20	144
		Tetrachloro-m-xylene	1	20	18.4	92		19	148
		Decachlorobiphenyl	2	20	16.8	84		20	144
		Tetrachloro-m-xylene	2	20	23.1	115		19	148
Q1956-06	SB91-3-4	Decachlorobiphenyl	1	20	14.0	70		20	144
		Tetrachloro-m-xylene	1	20	19.4	97		19	148
		Decachlorobiphenyl	2	20	15.6	78		20	144
		Tetrachloro-m-xylene	2	20	24.4	122		19	148
I.BLK-PL095576.D	PIBLK-PL095576.D	Decachlorobiphenyl	1	20	19.1	95		43	140
		Tetrachloro-m-xylene	1	20	18.4	92		77	126
		Decachlorobiphenyl	2	20	20.1	100		43	140
		Tetrachloro-m-xylene	2	20	22.2	111		77	126

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PL095573.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB2-4-5MS**											
Q1956-03MS	alpha-BHC	17.8	0	23.2	ug/kg	130				60	144	
	beta-BHC	17.8	0	20.7	ug/kg	116				54	143	
	delta-BHC	17.8	0	22.3	ug/kg	125				29	151	
	gamma-BHC (Lindane)	17.8	0	22.2	ug/kg	125				61	140	
	Heptachlor	17.8	0	21.2	ug/kg	119				63	135	
	Aldrin	17.8	0	22.1	ug/kg	124				49	139	
	Heptachlor epoxide	17.8	0	21.3	ug/kg	120				41	156	
	Endosulfan I	17.8	0	21.2	ug/kg	119				56	142	
	Dieldrin	17.8	0	21.1	ug/kg	119				47	161	
	4,4'-DDE	17.8	0	20.3	ug/kg	114				55	136	
	Endrin	17.8	0.3202	20.9	ug/kg	116				57	139	
	Endosulfan II	17.8	0	20.1	ug/kg	113				40	163	
	4,4'-DDD	17.8	0	21.2	ug/kg	119				47	163	
	Endosulfan sulfate	17.8	0	19.3	ug/kg	108				62	139	
	4,4'-DDT	17.8	0	20.1	ug/kg	113				51	146	
	Methoxychlor	17.8	0	19.3	ug/kg	108				54	136	
	Endrin ketone	17.8	0	21.1	ug/kg	119				60	129	
	Endrin aldehyde	17.8	0	19.8	ug/kg	111				59	132	
	alpha-Chlordane	17.8	0	21.1	ug/kg	119				39	166	
	gamma-Chlordane	17.8	0	21.6	ug/kg	121				44	175	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **DataFile :** PL095574.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**SB2-4-5MSD**											
Q1956-04MSD	alpha-BHC	17.8	0	23.4	ug/kg	131		1		60	144	20
	beta-BHC	17.8	0	20.9	ug/kg	117		1		54	143	20
	delta-BHC	17.8	0	22.6	ug/kg	127		2		29	151	20
	gamma-BHC (Lindane)	17.8	0	22.3	ug/kg	125		0		61	140	20
	Heptachlor	17.8	0	21.4	ug/kg	120		1		63	135	20
	Aldrin	17.8	0	22.4	ug/kg	126		2		49	139	20
	Heptachlor epoxide	17.8	0	21.6	ug/kg	121		1		41	156	20
	Endosulfan I	17.8	0	21.6	ug/kg	121		2		56	142	20
	Dieldrin	17.8	0	21.5	ug/kg	121		2		47	161	20
	4,4'-DDE	17.8	0	20.7	ug/kg	116		2		55	136	20
	Endrin	17.8	0.3202	21.5	ug/kg	119		3		57	139	20
	Endosulfan II	17.8	0	20.8	ug/kg	117		3		40	163	20
	4,4'-DDD	17.8	0	21.7	ug/kg	122		2		47	163	20
	Endosulfan sulfate	17.8	0	19.3	ug/kg	108		0		62	139	20
	4,4'-DDT	17.8	0	20.9	ug/kg	117		3		51	146	20
	Methoxychlor	17.8	0	19.7	ug/kg	111		3		54	136	20
	Endrin ketone	17.8	0	21.4	ug/kg	120		1		60	129	20
	Endrin aldehyde	17.8	0	20.7	ug/kg	116		4		59	132	20
	alpha-Chlordane	17.8	0	21.4	ug/kg	120		1		39	166	20
	gamma-Chlordane	17.8	0	22.0	ug/kg	124		2		44	175	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088436.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167914BS	alpha-BHC	0.5	0.46	ug/L	93				85	130	
	beta-BHC	0.5	0.47	ug/L	94				83	126	
	delta-BHC	0.5	0.50	ug/L	100				69	141	
	gamma-BHC (Lindane)	0.5	0.46	ug/L	92				82	129	
	Heptachlor	0.5	0.47	ug/L	95				79	127	
	Aldrin	0.5	0.47	ug/L	95				79	126	
	Heptachlor epoxide	0.5	0.47	ug/L	94				81	124	
	Endosulfan I	0.5	0.48	ug/L	95				85	122	
	Dieldrin	0.5	0.48	ug/L	96				83	125	
	4,4'-DDE	0.5	0.47	ug/L	95				80	127	
	Endrin	0.5	0.49	ug/L	97				81	128	
	Endosulfan II	0.5	0.47	ug/L	95				82	123	
	4,4'-DDD	0.5	0.49	ug/L	97				77	131	
	Endosulfan sulfate	0.5	0.48	ug/L	97				76	129	
	4,4'-DDT	0.5	0.48	ug/L	95				80	133	
	Methoxychlor	0.5	0.49	ug/L	97				78	108	
	Endrin ketone	0.5	0.49	ug/L	98				80	131	
	Endrin aldehyde	0.5	0.49	ug/L	98				82	127	
	alpha-Chlordane	0.5	0.47	ug/L	95				82	125	
	gamma-Chlordane	0.5	0.47	ug/L	94				82	125	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PD088437.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167914BSD	alpha-BHC	0.5	0.47	ug/L	94	1			85	130	20
	beta-BHC	0.5	0.47	ug/L	94	0			83	126	20
	delta-BHC	0.5	0.51	ug/L	103	3			69	141	20
	gamma-BHC (Lindane)	0.5	0.47	ug/L	93	1			82	129	20
	Heptachlor	0.5	0.48	ug/L	96	1			79	127	20
	Aldrin	0.5	0.48	ug/L	96	1			79	126	20
	Heptachlor epoxide	0.5	0.48	ug/L	96	2			81	124	20
	Endosulfan I	0.5	0.48	ug/L	96	1			85	122	20
	Dieldrin	0.5	0.49	ug/L	98	2			83	125	20
	4,4'-DDE	0.5	0.48	ug/L	95	0			80	127	20
	Endrin	0.5	0.49	ug/L	98	1			81	128	20
	Endosulfan II	0.5	0.48	ug/L	96	1			82	123	20
	4,4'-DDD	0.5	0.49	ug/L	98	1			77	131	20
	Endosulfan sulfate	0.5	0.49	ug/L	98	1			76	129	20
	4,4'-DDT	0.5	0.48	ug/L	96	1			80	133	20
	Methoxychlor	0.5	0.49	ug/L	99	2			78	108	20
	Endrin ketone	0.5	0.49	ug/L	99	1			80	131	20
	Endrin aldehyde	0.5	0.50	ug/L	99	1			82	127	20
	alpha-Chlordane	0.5	0.48	ug/L	96	1			82	125	20
	gamma-Chlordane	0.5	0.48	ug/L	96	2			82	125	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1956

Client: CDM Smith

Analytical Method: 8081B **Datafile :** PL095564.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167878BS	alpha-BHC	16.65	18.8	ug/kg	113				84	123	
	beta-BHC	16.65	17.2	ug/kg	103				82	123	
	delta-BHC	16.65	18.6	ug/kg	112				83	126	
	gamma-BHC (Lindane)	16.65	18.2	ug/kg	109				83	125	
	Heptachlor	16.65	17.6	ug/kg	106				83	122	
	Aldrin	16.65	18.4	ug/kg	111				82	124	
	Heptachlor epoxide	16.65	18.1	ug/kg	109				83	120	
	Endosulfan I	16.65	17.4	ug/kg	105				81	124	
	Dieldrin	16.65	19.0	ug/kg	114				85	121	
	4,4'-DDE	16.65	17.8	ug/kg	107				81	123	
	Endrin	16.65	18.7	ug/kg	112				76	130	
	Endosulfan II	16.65	18.3	ug/kg	110				80	125	
	4,4'-DDD	16.65	19.1	ug/kg	115				80	131	
	Endosulfan sulfate	16.65	17.8	ug/kg	107				81	122	
	4,4'-DDT	16.65	18.2	ug/kg	109				70	129	
	Methoxychlor	16.65	17.5	ug/kg	105				60	119	
	Endrin ketone	16.65	20.0	ug/kg	120				77	132	
	Endrin aldehyde	16.65	18.5	ug/kg	111				79	124	
	alpha-Chlordane	16.65	17.8	ug/kg	107				84	120	
	gamma-Chlordane	16.65	18.0	ug/kg	108				83	122	

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167878BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167878BL Lab File ID: PL095563.D

Matrix: (soil/water) Solid Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N Date Extracted: 05/06/2025

Date Analyzed (1): 05/06/2025 Date Analyzed (2): 05/06/2025

Time Analyzed (1): 13:56 Time Analyzed (2): 13:56

Instrument ID (1): ECD_L Instrument ID (2): ECD_L

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
PB167878BS	PB167878BS	PL095564.D	05/06/2025	05/06/2025
SB1-3-4	Q1956-01	PL095571.D	05/06/2025	05/06/2025
SB2-4-5	Q1956-02	PL095572.D	05/06/2025	05/06/2025
SB2-4-5MS	Q1956-03MS	PL095573.D	05/06/2025	05/06/2025
SB2-4-5MSD	Q1956-04MSD	PL095574.D	05/06/2025	05/06/2025
SB91-3-4	Q1956-06	PL095575.D	05/06/2025	05/06/2025

COMMENTS:

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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167914BL

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1956 SAS No.: Q1956 SDG NO.: Q1956

Lab Sample ID: PB167914BL Lab File ID: PD088435.D

Matrix: (soil/water) WATER Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N Date Extracted: 05/08/2025

Date Analyzed (1): 05/08/2025 Date Analyzed (2): 05/08/2025

Time Analyzed (1): 17:14 Time Analyzed (2): 17:14

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
PB167914BS	PB167914BS	PD088436.D	05/08/2025	05/08/2025
PB167914BSD	PB167914BSD	PD088437.D	05/08/2025	05/08/2025
FB-05022025	Q1956-07	PD088438.D	05/08/2025	05/08/2025

COMMENTS:

SAMPLE DATA

Raw Data: **PL095571.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095571.D	1	05/06/25 08:55	05/06/25 17:36	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.15	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.44	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.16	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.13	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.16	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.16	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.16	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.15	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.16	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	1.90	U	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	37.0	U	6.10	37.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.9		20 - 144	75%	SPK: 20
877-09-8	Tetrachloro-m-xylene	26.0		19 - 148	130%	SPK: 20

Raw Data: **PL095571.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB1-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-01	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	89 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095571.D	1	05/06/25 08:55	05/06/25 17:36	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095571.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 17:36
Operator : AR\AJ
Sample : Q1956-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SB1-3-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.594	2.912	67249134	82776274	20.599	26.032 #
28)	SA Decachlor...	9.118	8.091	40063314	44129399	14.459	14.912
	Target Compounds						

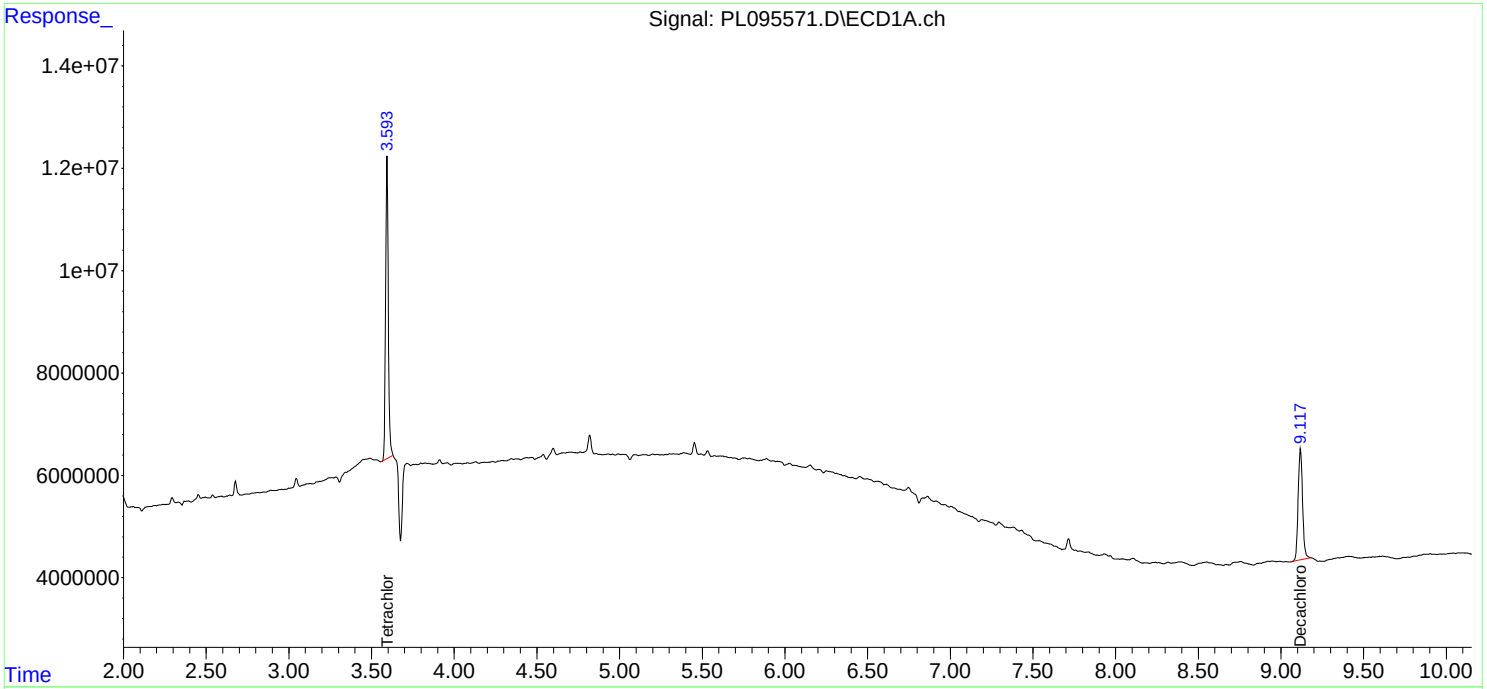
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

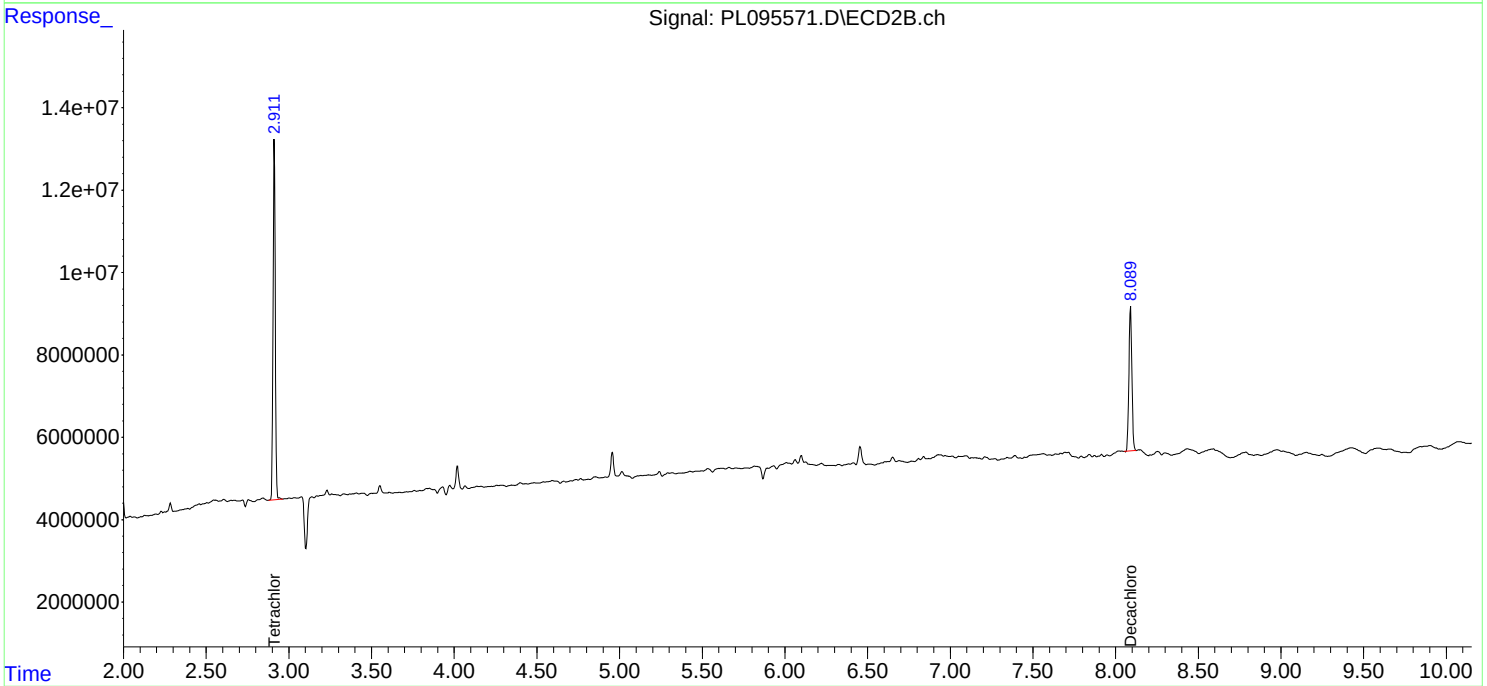
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095571.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 17:36
Operator : AR\AJ
Sample : Q1956-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

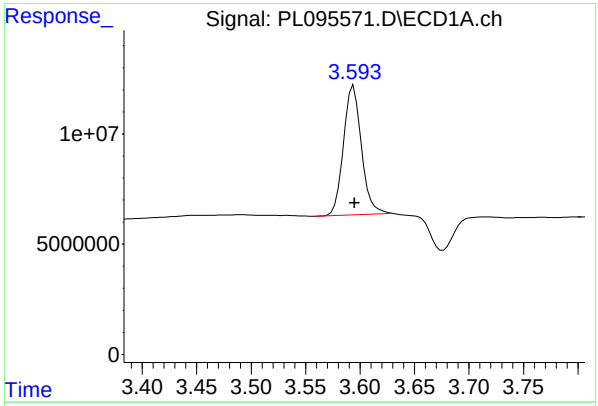
Instrument :
ECD_L
ClientSampleId :
SB1-3-4

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:08 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm



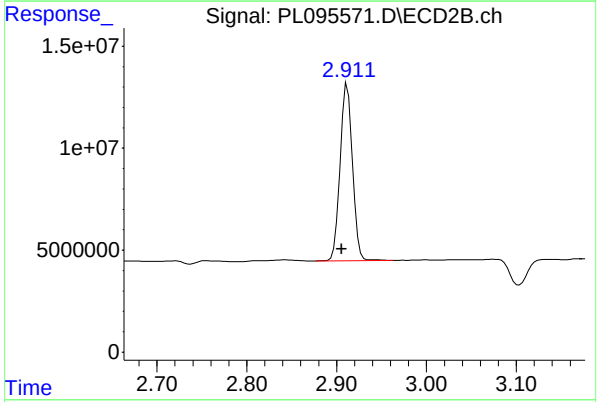




#1 Tetrachloro-m-xylene

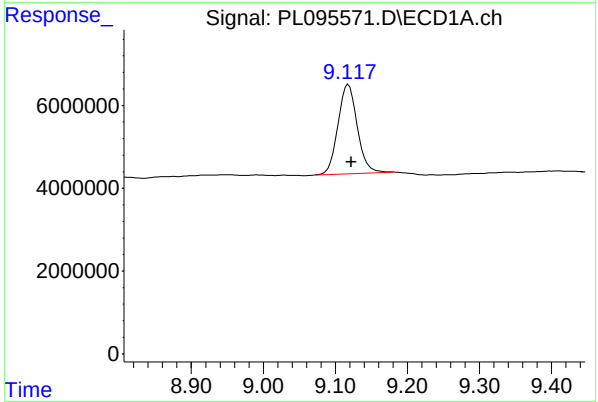
R.T.: 3.594 min
Delta R.T.: 0.000 mi
Response: 67249134
Conc: 20.60 ng/m

Instrument :
ECD_L
ClientSampleId :
SB1-3-4



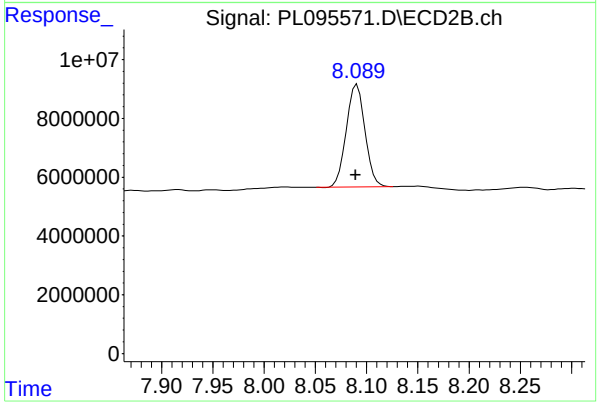
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 82776274
Conc: 26.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.004 min
Response: 40063314
Conc: 14.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 44129399
Conc: 14.91 ng/ml

Raw Data: **PL095572.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095572.D	1	05/06/25 08:55	05/06/25 17:50	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.80	U	0.14	1.80	ug/kg
319-85-7	beta-BHC	1.80	U	0.19	1.80	ug/kg
319-86-8	delta-BHC	1.80	U	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	1.80	U	0.15	1.80	ug/kg
76-44-8	Heptachlor	1.80	U	0.13	1.80	ug/kg
309-00-2	Aldrin	1.80	U	0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	1.80	U	0.20	1.80	ug/kg
959-98-8	Endosulfan I	1.80	U	0.15	1.80	ug/kg
60-57-1	Dieldrin	1.80	U	0.15	1.80	ug/kg
72-55-9	4,4-DDE	1.80	U	0.15	1.80	ug/kg
72-20-8	Endrin	0.32	JP	0.15	1.80	ug/kg
33213-65-9	Endosulfan II	1.80	U	0.31	1.80	ug/kg
72-54-8	4,4-DDD	1.80	U	0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	1.80	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	1.80	U	0.15	1.80	ug/kg
72-43-5	Methoxychlor	1.80	U	0.39	1.80	ug/kg
53494-70-5	Endrin ketone	1.80	U	0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	1.80	U	0.39	1.80	ug/kg
5103-71-9	alpha-Chlordane	1.80	U	0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	1.80	U	0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.6		20 - 144	83%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.5		19 - 148	128%	SPK: 20

Raw Data: **PL095572.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5	SDG No.:	Q1956
Lab Sample ID:	Q1956-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.06 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095572.D	1	05/06/25 08:55	05/06/25 17:50	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095572.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 17:50
Operator : AR\AJ
Sample : Q1956-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SB2-4-5

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.593	2.912	65106991	81116331	19.943	25.510 #
28)	SA Decachlor...	9.118	8.090	42691472	49042970	15.408	16.573
	Target Compounds						
14)	MA Endrin	6.616	5.812	2858058	1544231	0.897m	0.424m#

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

Sample Results: **PL095572.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 17:50
Operator : AR\AJ
Sample : Q1956-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

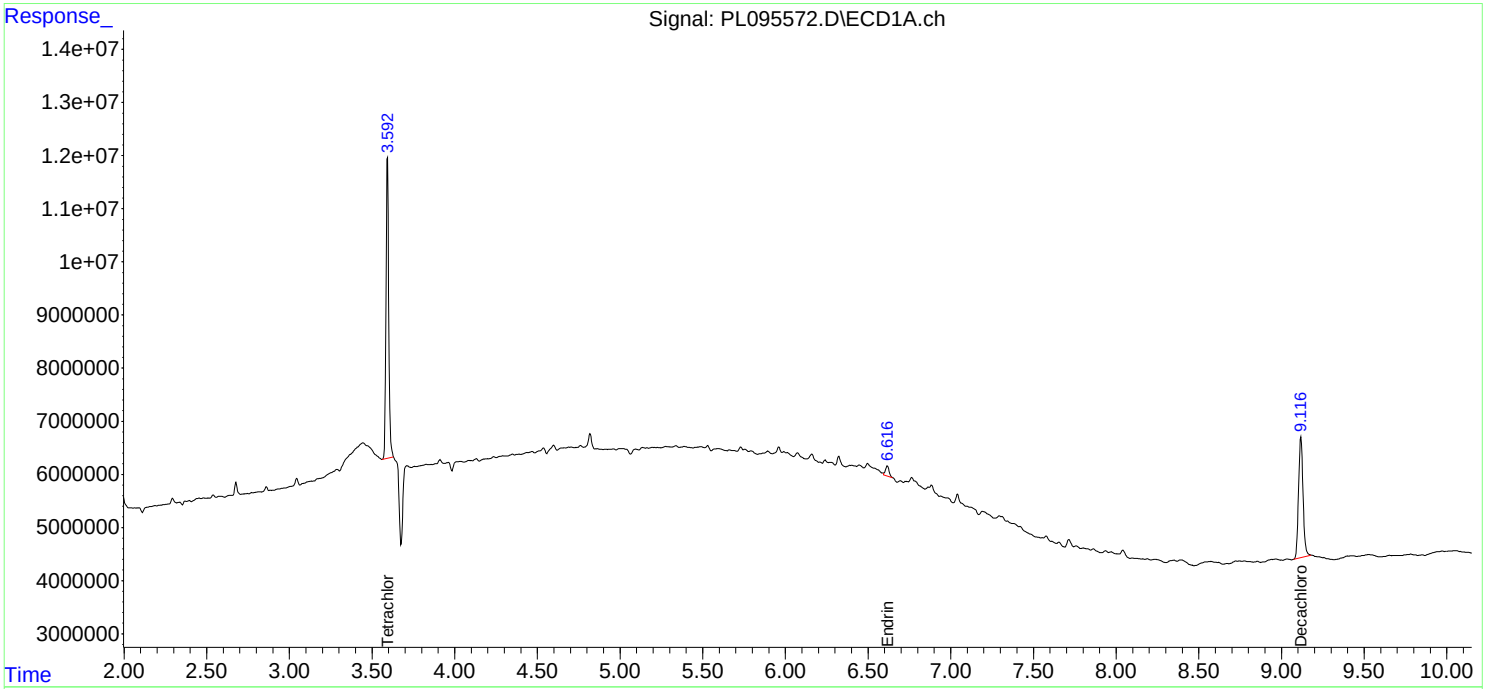
Instrument :
ECD_L
ClientSampleId :
SB2-4-5

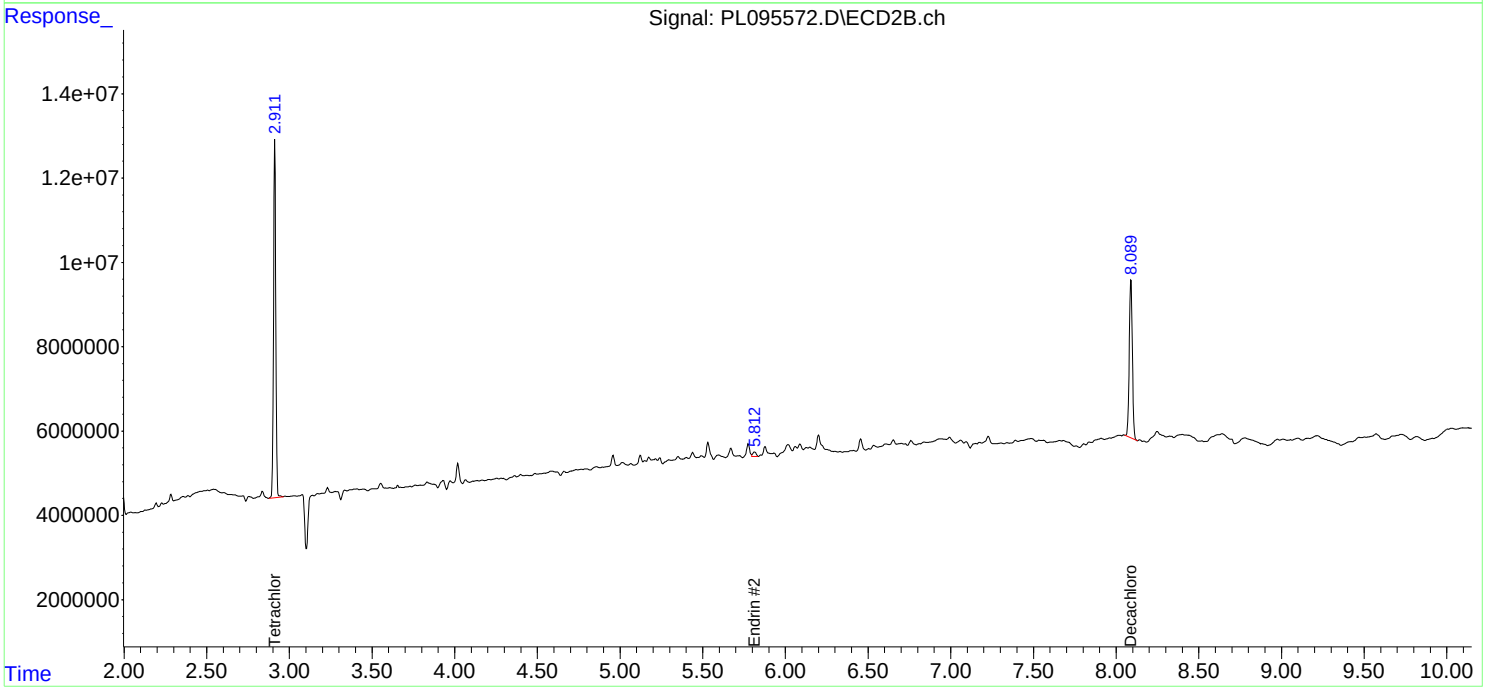
Manual Integrations APPROVED

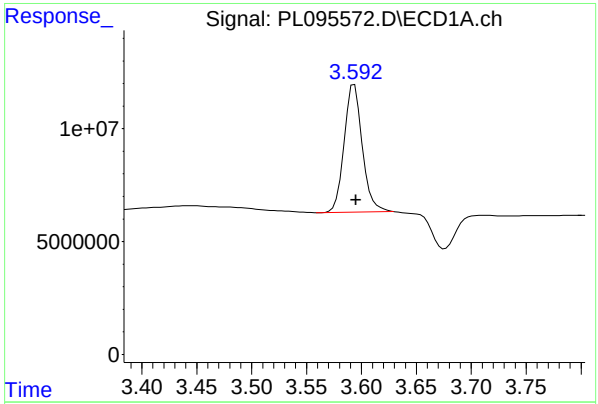
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







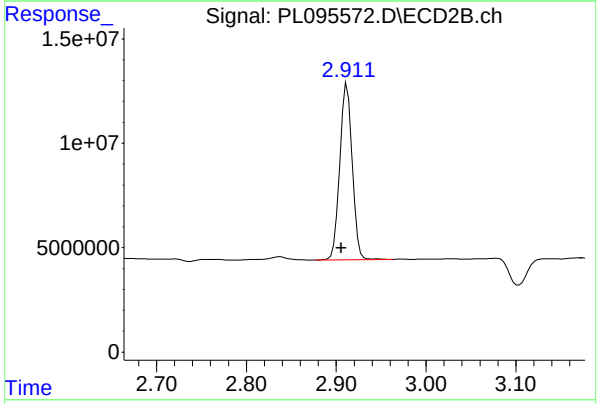
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 mi
Response: 65106991
Conc: 19.94 ng/m

Instrument :
ECD_L
ClientSampleId :
SB2-4-5

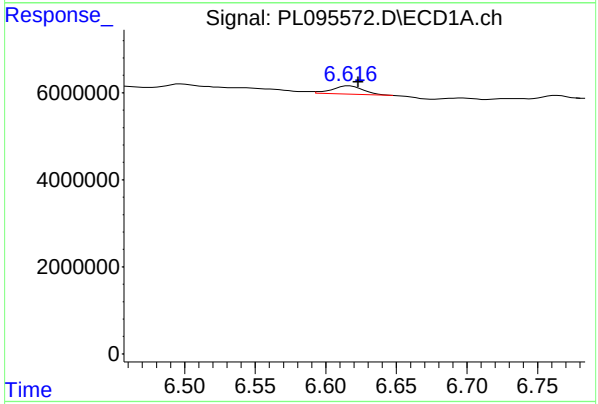
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



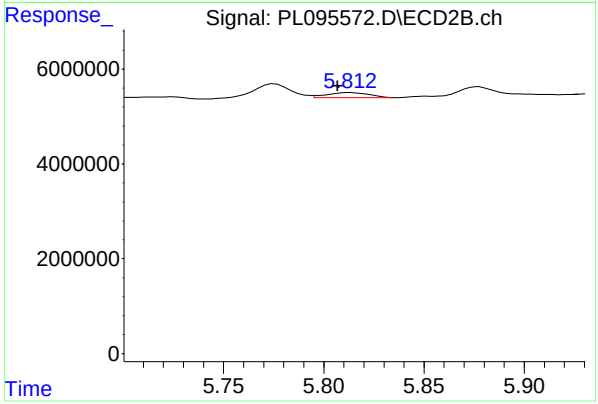
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.007 min
Response: 81116331
Conc: 25.51 ng/ml



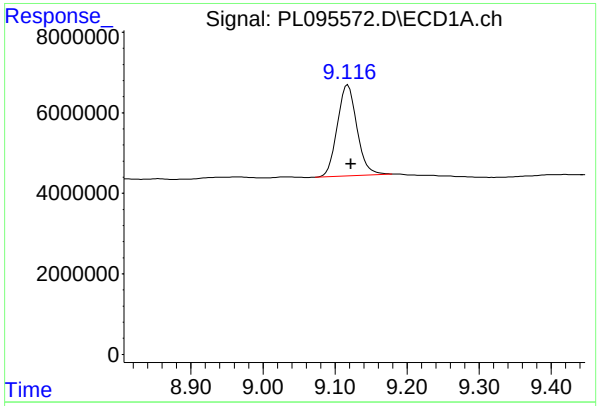
#14 Endrin

R.T.: 6.616 min
Delta R.T.: -0.007 min
Response: 2858058
Conc: 0.90 ng/ml m



#14 Endrin

R.T.: 5.812 min
Delta R.T.: 0.005 min
Response: 1544231
Conc: 0.42 ng/ml m



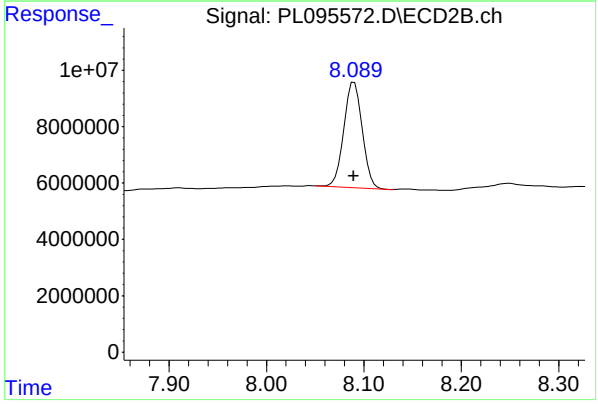
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.005 mi
Response: 42691472
Conc: 15.41 ng/m

Instrument :
ECD_L
ClientSampleId :
SB2-4-5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 49042970
Conc: 16.57 ng/ml

Raw Data: **PL095575.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095575.D	1	05/06/25 08:55	05/06/25 18:31	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.90	U	0.14	1.90	ug/kg
319-85-7	beta-BHC	1.90	U	0.20	1.90	ug/kg
319-86-8	delta-BHC	1.90	U	0.43	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	1.90	U	0.15	1.90	ug/kg
76-44-8	Heptachlor	1.90	U	0.13	1.90	ug/kg
309-00-2	Aldrin	1.90	U	0.13	1.90	ug/kg
1024-57-3	Heptachlor epoxide	1.90	U	0.21	1.90	ug/kg
959-98-8	Endosulfan I	1.90	U	0.15	1.90	ug/kg
60-57-1	Dieldrin	1.90	U	0.15	1.90	ug/kg
72-55-9	4,4-DDE	1.90	U	0.15	1.90	ug/kg
72-20-8	Endrin	1.90	U	0.15	1.90	ug/kg
33213-65-9	Endosulfan II	1.90	U	0.32	1.90	ug/kg
72-54-8	4,4-DDD	1.90	U	0.17	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	1.90	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	1.90	U	0.15	1.90	ug/kg
72-43-5	Methoxychlor	1.90	U	0.41	1.90	ug/kg
53494-70-5	Endrin ketone	1.90	U	0.21	1.90	ug/kg
7421-93-4	Endrin aldehyde	1.90	U	0.41	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.32	JP	0.13	1.90	ug/kg
5103-74-2	gamma-Chlordane	1.90	U	0.17	1.90	ug/kg
8001-35-2	Toxaphene	36.5	U	6.00	36.5	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	15.6		20 - 144	78%	SPK: 20
877-09-8	Tetrachloro-m-xylene	24.4		19 - 148	122%	SPK: 20

Raw Data: **PL095575.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/01/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB91-3-4	SDG No.:	Q1956
Lab Sample ID:	Q1956-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.2 Decanted:
Sample Wt/Vol:	30.08 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095575.D	1	05/06/25 08:55	05/06/25 18:31	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095575.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:31
Operator : AR\AJ
Sample : Q1956-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SB91-3-4

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.593	2.912	63223216	77584913	19.366	24.400 #
28)	SA Decachlor...	9.118	8.090	38682777	46290645	13.961	15.643
	Target Compounds						
10)	B gamma-Chl...	5.987	5.149	1749297	1544187	0.429m	0.381m
11)	B alpha-Chl...	6.076	5.213	3554293	1937956	0.874m	0.487m#

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

Sample Results: **PL095575.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095575.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:31
Operator : AR\AJ
Sample : Q1956-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

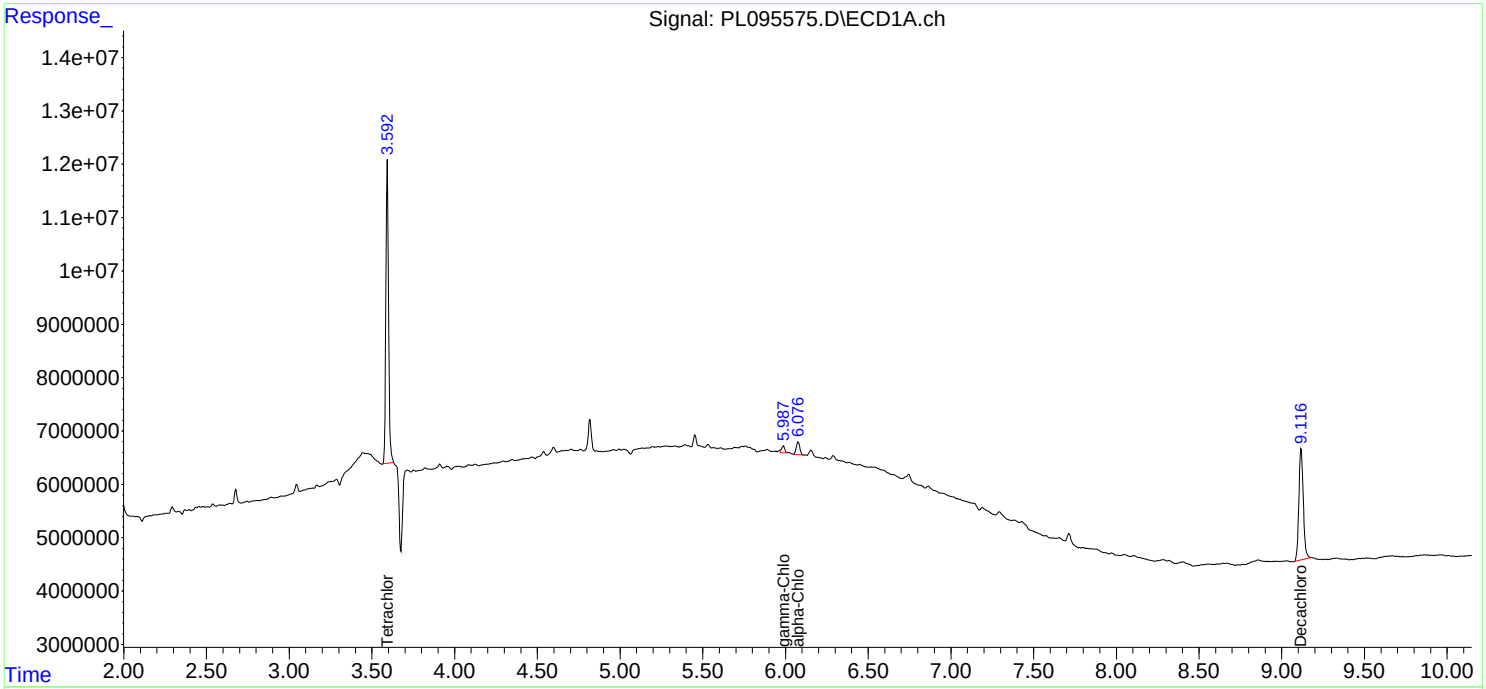
Instrument :
ECD_L
ClientSampleId :
SB91-3-4

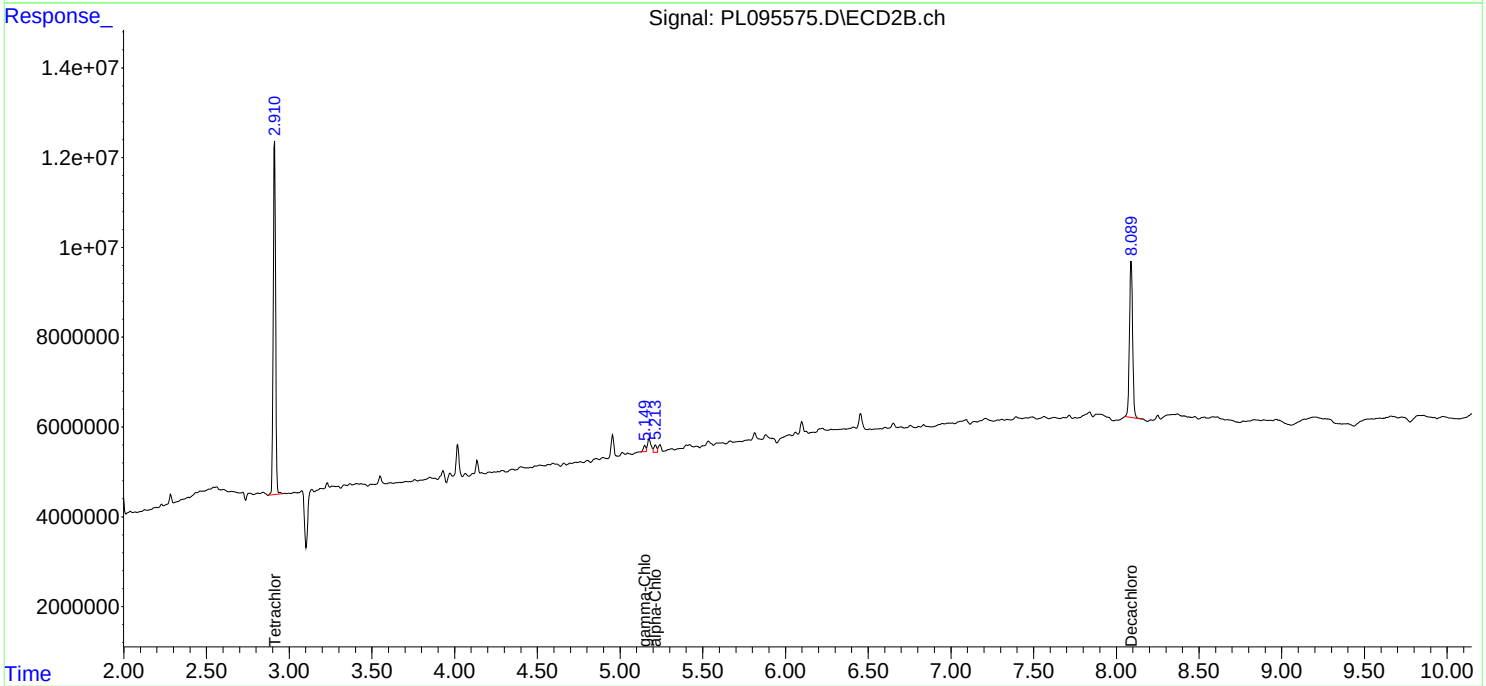
Manual Integrations APPROVED

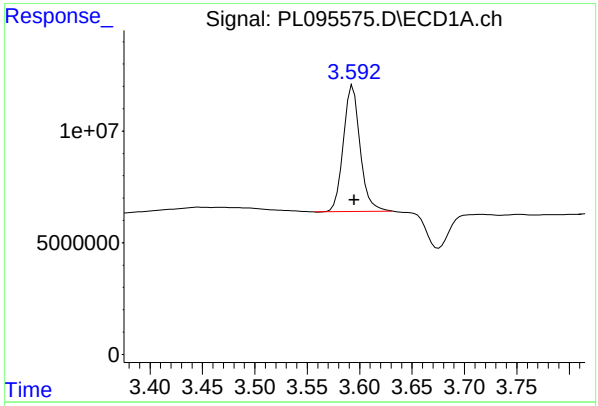
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







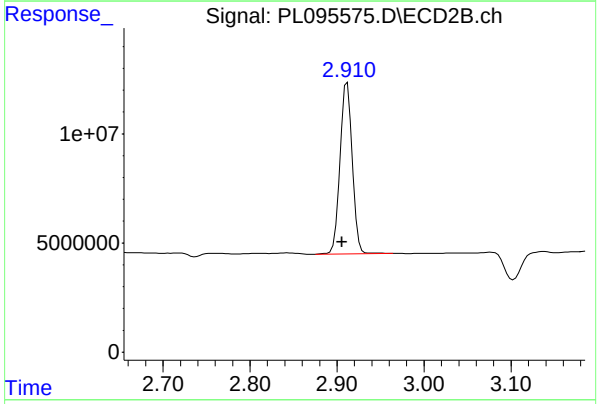
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 63223216
Conc: 19.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB91-3-4

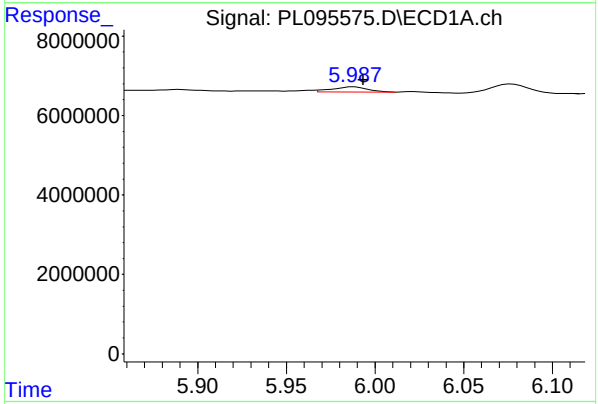
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



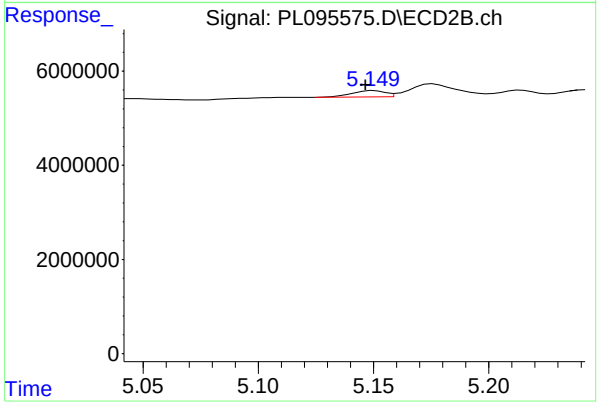
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 77584913
Conc: 24.40 ng/ml



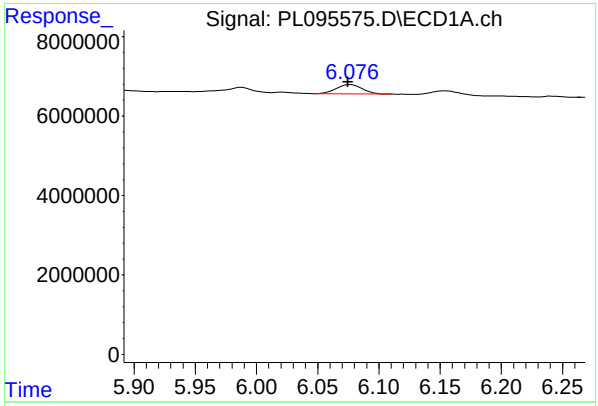
#10 gamma-Chlordane

R.T.: 5.987 min
Delta R.T.: -0.006 min
Response: 1749297
Conc: 0.43 ng/ml m



#10 gamma-Chlordane

R.T.: 5.149 min
Delta R.T.: 0.002 min
Response: 1544187
Conc: 0.38 ng/ml m



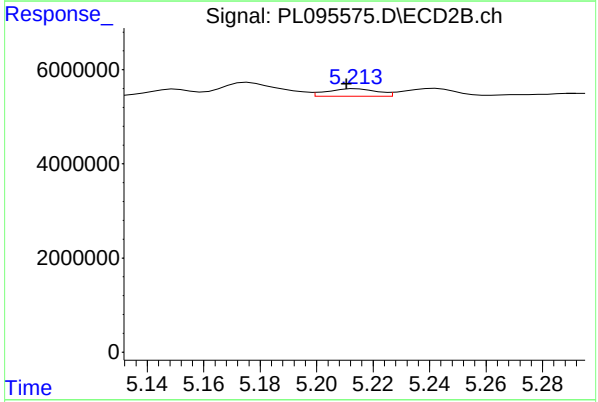
#11 alpha-Chlordane

R.T.: 6.076 min
Delta R.T.: 0.000 mi
Response: 3554293
Conc: 0.87 ng/m

Instrument :
ECD_L
ClientSampleId :
SB91-3-4

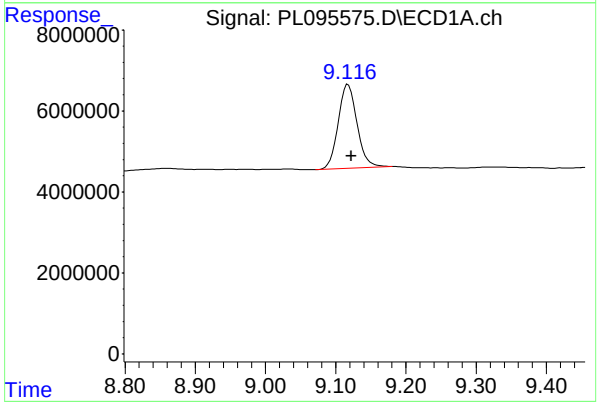
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



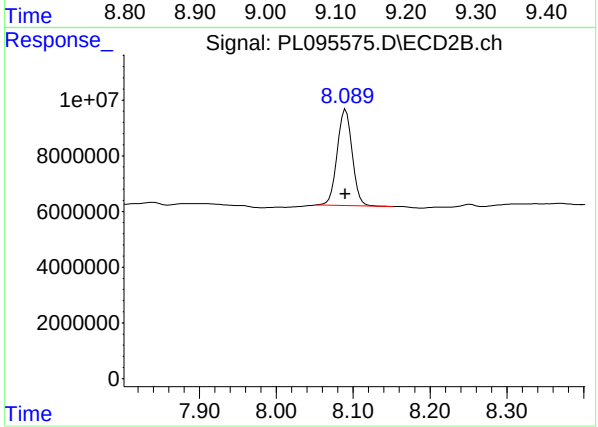
#11 alpha-Chlordane

R.T.: 5.213 min
Delta R.T.: 0.002 min
Response: 1937956
Conc: 0.49 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: -0.005 min
Response: 38682777
Conc: 13.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.090 min
Delta R.T.: 0.000 min
Response: 46290645
Conc: 15.64 ng/ml

Raw Data: **PD088438.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	430 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088438.D	1	05/08/25 08:51	05/08/25 17:55	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.058	U	0.0045	0.058	ug/L
319-85-7	beta-BHC	0.058	U	0.0057	0.058	ug/L
319-86-8	delta-BHC	0.058	U	0.013	0.058	ug/L
58-89-9	gamma-BHC (Lindane)	0.058	U	0.0043	0.058	ug/L
76-44-8	Heptachlor	0.058	U	0.0031	0.058	ug/L
309-00-2	Aldrin	0.058	U	0.0042	0.058	ug/L
1024-57-3	Heptachlor epoxide	0.058	U	0.011	0.058	ug/L
959-98-8	Endosulfan I	0.058	U	0.0036	0.058	ug/L
60-57-1	Dieldrin	0.058	U	0.0042	0.058	ug/L
72-55-9	4,4-DDE	0.058	U	0.0043	0.058	ug/L
72-20-8	Endrin	0.058	U	0.0037	0.058	ug/L
33213-65-9	Endosulfan II	0.058	U	0.0092	0.058	ug/L
72-54-8	4,4-DDD	0.058	U	0.0083	0.058	ug/L
1031-07-8	Endosulfan Sulfate	0.058	U	0.0043	0.058	ug/L
50-29-3	4,4-DDT	0.058	U	0.0041	0.058	ug/L
72-43-5	Methoxychlor	0.058	U	0.013	0.058	ug/L
53494-70-5	Endrin ketone	0.058	U	0.011	0.058	ug/L
7421-93-4	Endrin aldehyde	0.058	U	0.013	0.058	ug/L
5103-71-9	alpha-Chlordane	0.058	U	0.0041	0.058	ug/L
5103-74-2	gamma-Chlordane	0.058	U	0.0045	0.058	ug/L
8001-35-2	Toxaphene	1.20	U	0.20	1.20	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.0		43 - 140	65%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.3		77 - 126	96%	SPK: 20

Raw Data: **PD088438.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	FB-05022025	SDG No.:	Q1956
Lab Sample ID:	Q1956-07	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	430 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088438.D	1	05/08/25 08:51	05/08/25 17:55	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PD088438.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:55
Operator : AR\AJ
Sample : Q1956-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
FB-05022025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:21 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...	3.551	2.882	38488995	281.2E6	19.270	19.232
28)	SA Decachlor...	9.074	8.076	43072737	235.2E6	13.020	12.729
	Target Compounds						

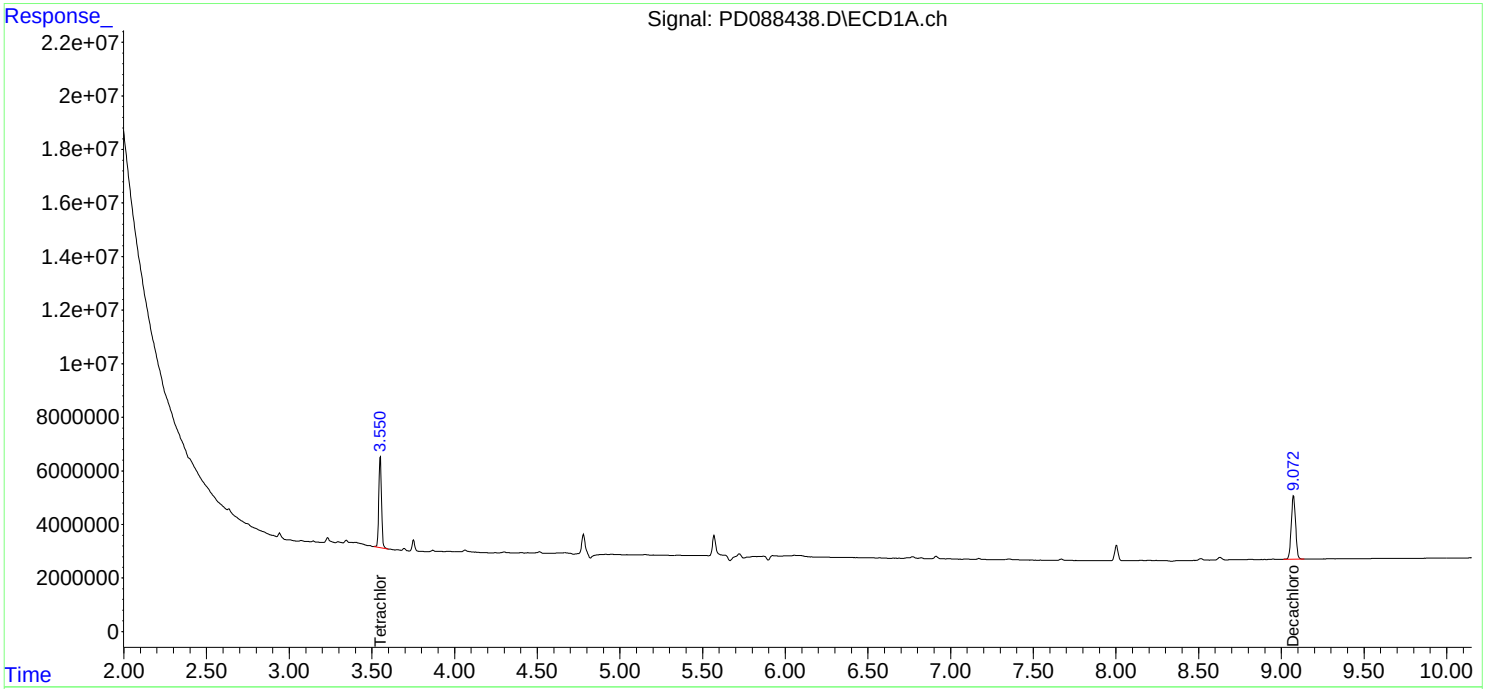
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

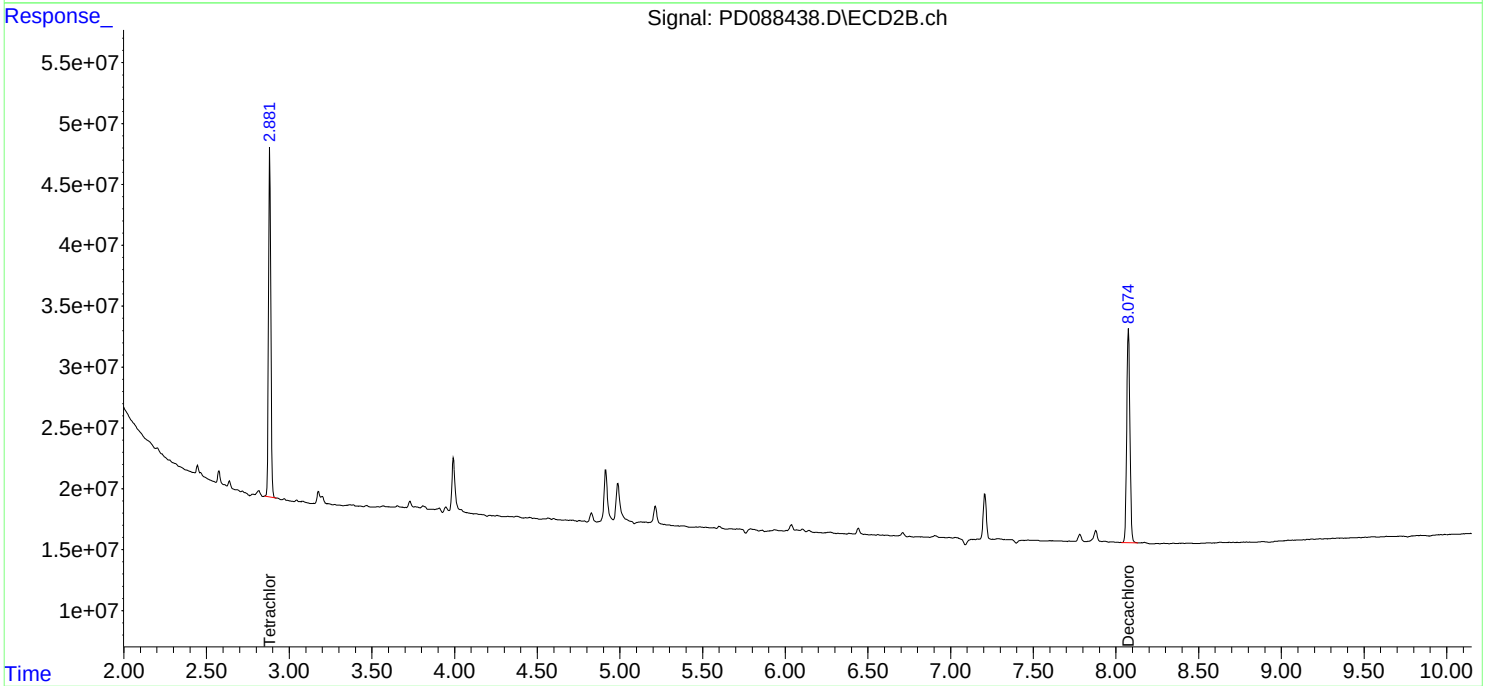
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088438.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:55
Operator : AR\AJ
Sample : Q1956-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

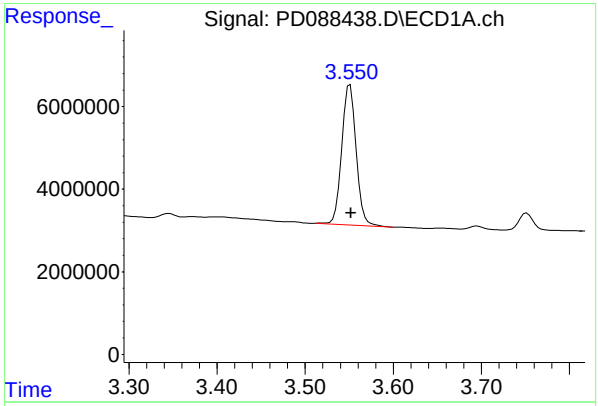
Instrument :
ECD_D
ClientSampleId :
FB-05022025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:21 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



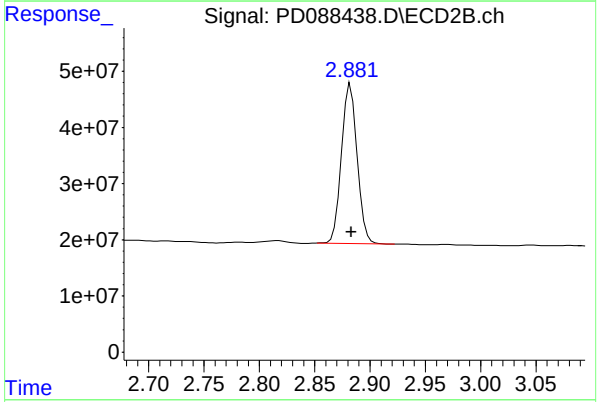




#1 Tetrachloro-m-xylene

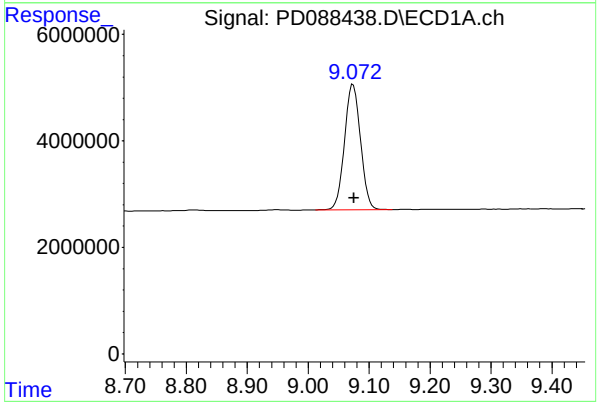
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 38488995
Conc: 19.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
FB-05022025



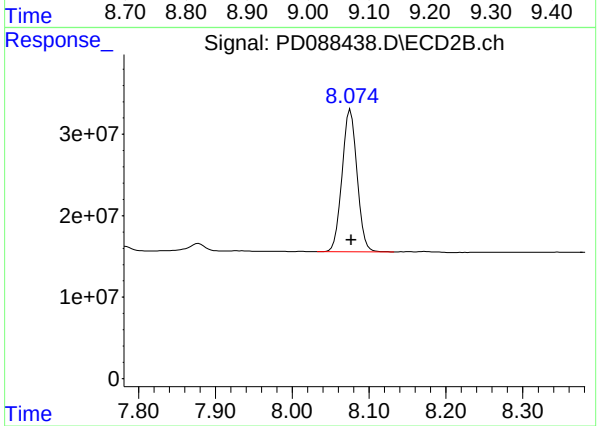
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 281201108
Conc: 19.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 43072737
Conc: 13.02 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 235223570
Conc: 12.73 ng/ml

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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: RT 100 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.71	6.71	6.71	6.71	6.71	6.71	6.61	6.81
4,4'-DDE	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.03	6.03	6.03	6.03	6.03	6.03	5.93	6.13
beta-BHC	4.52	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Decachlorobiphenyl	9.08	9.07	9.08	9.08	9.08	9.07	8.97	9.17
delta-BHC	4.77	4.77	4.77	4.77	4.76	4.76	4.66	4.86
Dieldrin	6.35	6.35	6.35	6.35	6.35	6.35	6.25	6.45
Endosulfan I	6.08	6.08	6.08	6.08	6.08	6.08	5.98	6.18
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	6.58	6.58	6.58	6.58	6.58	6.58	6.48	6.68
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.63	7.63	7.63	7.63	7.63	7.63	7.53	7.73
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Heptachlor	4.93	4.93	4.93	4.93	4.93	4.93	4.83	5.03
Heptachlor epoxide	5.69	5.69	5.69	5.69	5.69	5.69	5.59	5.79
Methoxychlor	7.49	7.49	7.50	7.50	7.50	7.49	7.39	7.59
Tetrachloro-m-xylene	3.55	3.55	3.55	3.55	3.55	3.55	3.45	3.65

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 = PD088124.D RT 075 = PD088125.D

RT 050 = PD088126.D RT 025 = PD088127.D RT 005 = PD088128.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.93	5.93	5.93	5.93	5.94	5.84	6.04
4,4'-DDE	5.40	5.38	5.38	5.38	5.38	5.38	5.28	5.48
4,4'-DDT	6.20	6.19	6.19	6.19	6.19	6.19	6.09	6.29
Aldrin	4.39	4.37	4.37	4.37	4.37	4.38	4.28	4.48
alpha-BHC	3.41	3.40	3.40	3.40	3.40	3.40	3.30	3.50
alpha-Chlordane	5.21	5.20	5.19	5.19	5.19	5.20	5.10	5.30
beta-BHC	4.05	4.03	4.03	4.03	4.03	4.03	3.93	4.13
Decachlorobiphenyl	8.09	8.08	8.08	8.08	8.08	8.08	7.98	8.18
delta-BHC	4.28	4.27	4.27	4.27	4.27	4.27	4.17	4.37
Dieldrin	5.53	5.52	5.52	5.52	5.52	5.52	5.42	5.62
Endosulfan I	5.27	5.25	5.25	5.25	5.25	5.25	5.15	5.35
Endosulfan II	6.10	6.08	6.08	6.09	6.08	6.09	5.99	6.19
Endosulfan sulfate	6.50	6.49	6.49	6.49	6.49	6.49	6.39	6.59
Endrin	5.81	5.79	5.79	5.79	5.79	5.80	5.70	5.90
Endrin aldehyde	6.28	6.26	6.26	6.26	6.26	6.27	6.17	6.37
Endrin ketone	7.01	7.00	7.00	7.00	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.73	3.73	3.73	3.73	3.74	3.64	3.84
gamma-Chlordane	5.15	5.13	5.13	5.13	5.13	5.13	5.03	5.23
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

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2657600000	2587000000	2495010000	2376000000	2459180000	2514960000	4
4,4'-DDE	3466910000	3527170000	3240150000	3071100000	3185920000	3298250000	6
4,4'-DDT	2923480000	2868140000	2755010000	2629860000	2711210000	2777540000	4
Aldrin	4191470000	4069870000	3911790000	3719150000	3855640000	3949580000	5
alpha-BHC	4782950000	4593760000	4340800000	3973660000	3868810000	4312000000	9
alpha-Chlordane	3710340000	3625070000	3529520000	3426410000	3756540000	3609580000	4
beta-BHC	1604490000	1589200000	1578990000	1584140000	1760080000	1623380000	5
Decachlorobiphenyl	3080820000	3141130000	3178140000	3290360000	3850090000	3308110000	9
delta-BHC	4445160000	4282700000	4075760000	3850890000	3970360000	4124970000	6
Dieldrin	3750160000	3656120000	3530390000	3371440000	3534380000	3568500000	4
Endosulfan I	3450340000	3397670000	3304040000	3218140000	3515550000	3377150000	3
Endosulfan II	3104130000	3060790000	3007520000	2974690000	3483940000	3126210000	7
Endosulfan sulfate	2896970000	2846150000	2807570000	2774020000	3054470000	2875840000	4
Endrin	3128180000	3077300000	2935450000	2806460000	2965440000	2982570000	4
Endrin aldehyde	2295010000	2267800000	2246870000	2234480000	2495770000	2307990000	5
Endrin ketone	3128590000	3073520000	3037500000	2978380000	3214900000	3086580000	3
gamma-BHC (Lindane)	4507210000	4365130000	4155030000	3887470000	4022700000	4187510000	6
gamma-Chlordane	3757550000	3698080000	3536270000	3403020000	3715340000	3622050000	4
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

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 =** PD088124.D **CF 075 =** PD088125.D

CF 050 = PD088126.D **CF 025 =** PD088127.D **CF 005 =** PD088128.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	15154700000	15403900000	15792200000	16361000000	19219200000	16386200000	10
4,4'-DDE	18345500000	18580000000	18872600000	19581800000	23090100000	19694000000	10
4,4'-DDT	16431600000	16496500000	16745700000	17063800000	18344900000	17016500000	5
Aldrin	19439700000	19604700000	20000000000	20715500000	24254000000	20802800000	10
alpha-BHC	21913500000	21830800000	22090400000	22519000000	25954000000	22861500000	8
alpha-Chlordane	18192600000	18348900000	18755200000	19456000000	23261200000	19602800000	11
beta-BHC	8473900000	8575290000	8847480000	9292470000	11081500000	9254120000	12
Decachlorobiphenyl	16767000000	17098200000	17470300000	18387600000	22674800000	18479600000	13
delta-BHC	20178700000	20191000000	20473400000	21031900000	24432800000	21261600000	9
Dieldrin	18536800000	18713100000	19146400000	19886400000	23381600000	19932900000	10
Endosulfan I	16448300000	16734000000	17246700000	18063400000	21569900000	18012500000	12
Endosulfan II	16009800000	16237000000	16737800000	17531800000	21092000000	17521700000	12
Endosulfan sulfate	15629000000	15901000000	16419300000	17200300000	20516600000	17133200000	12
Endrin	16756200000	17001500000	17464500000	18215500000	21574100000	18202300000	11
Endrin aldehyde	12064300000	12278200000	12707200000	13348200000	16106900000	13301000000	12
Endrin ketone	16996600000	17264900000	17905300000	18780200000	22573200000	18704000000	12
gamma-BHC (Lindane)	20140800000	20226900000	20558100000	21137200000	25630400000	21538700000	11
gamma-Chlordane	18960000000	19062800000	19437200000	20086800000	23933100000	20296000000	10
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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

Quantitation Report (QT Reviewed)

ICAL Form

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.

ICAL Form

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

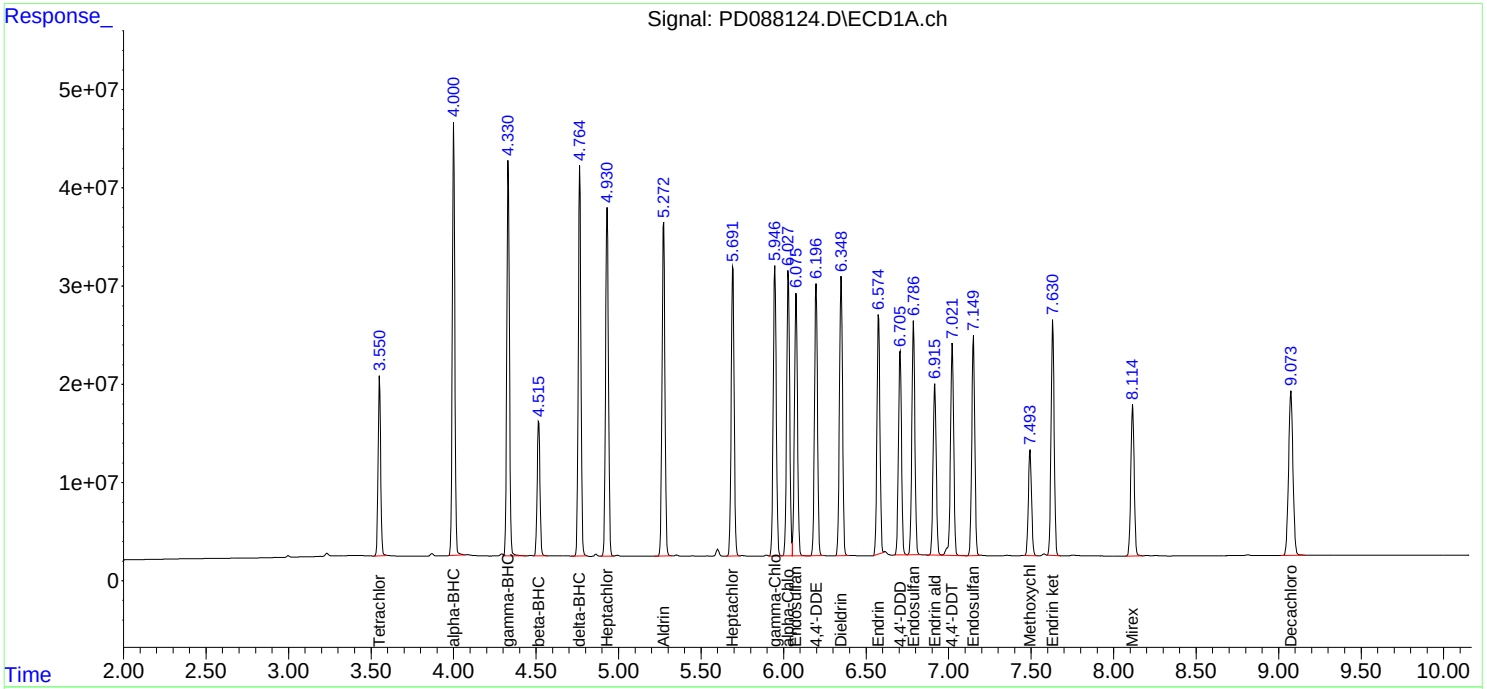
Instrument :
ECD_D
ClientSampleId :
PSTDICC100

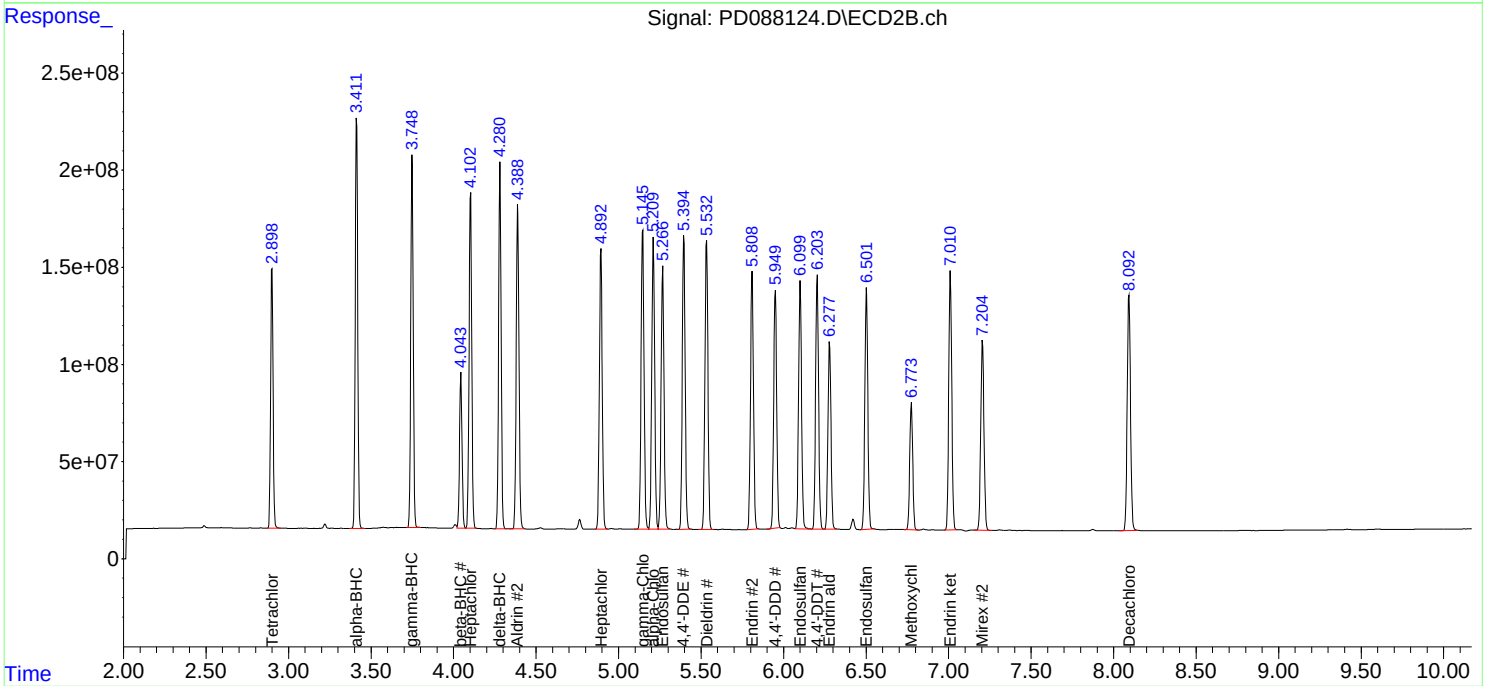
Manual Integrations APPROVED

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

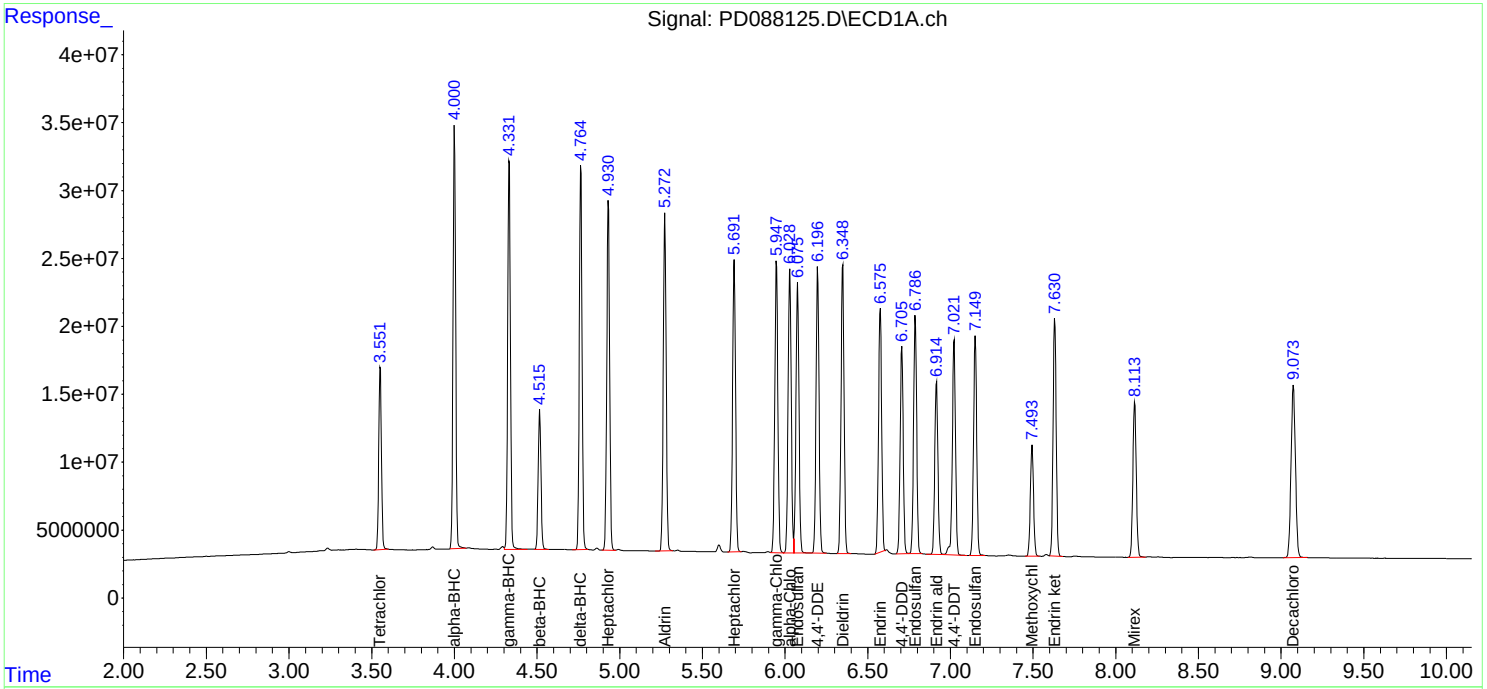
ICAL Form

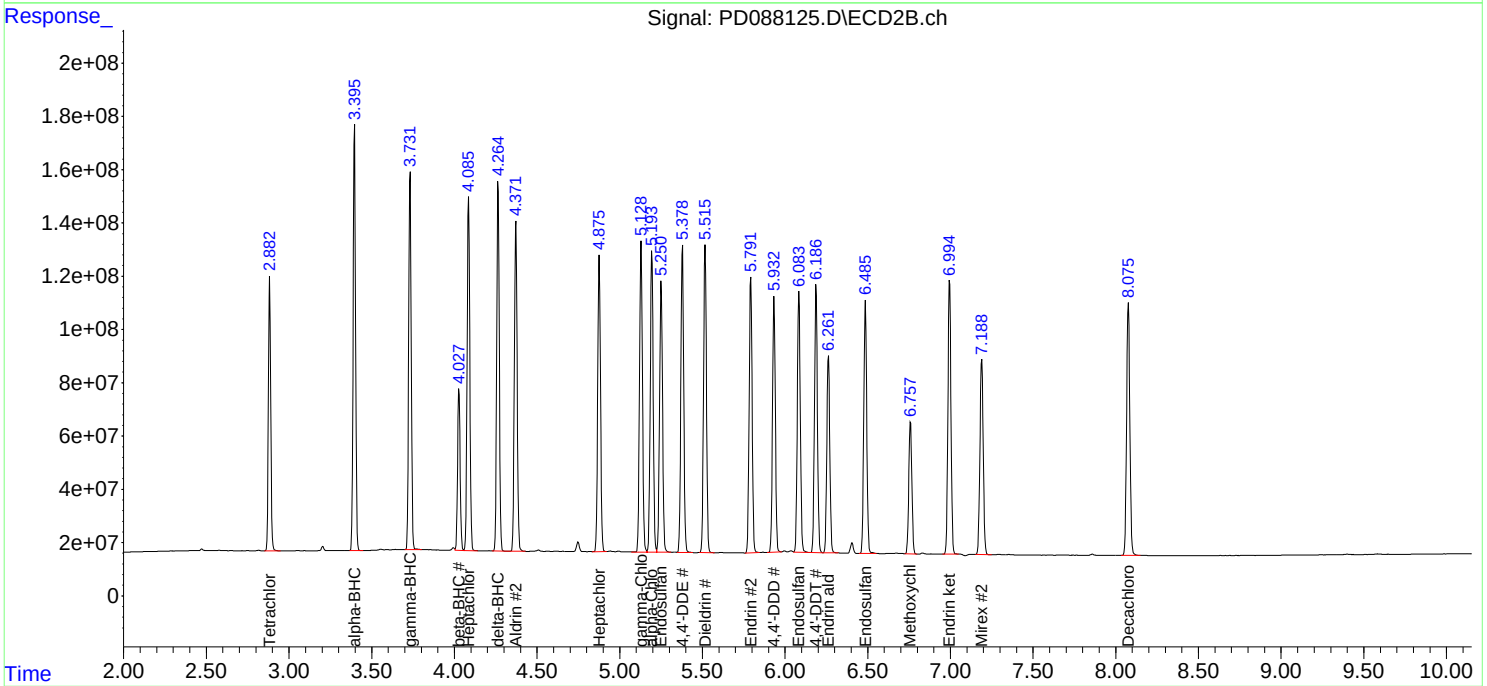
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088125.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:10
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

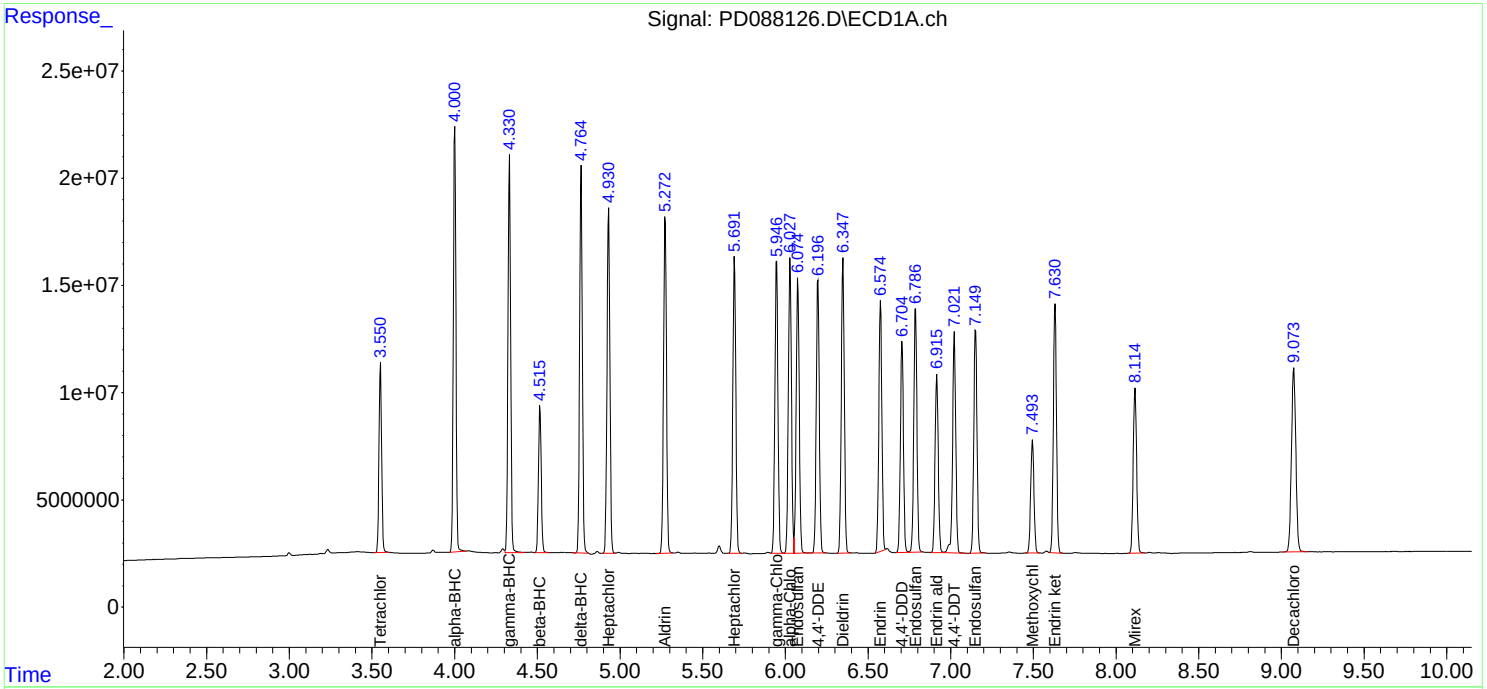
ICAL Form

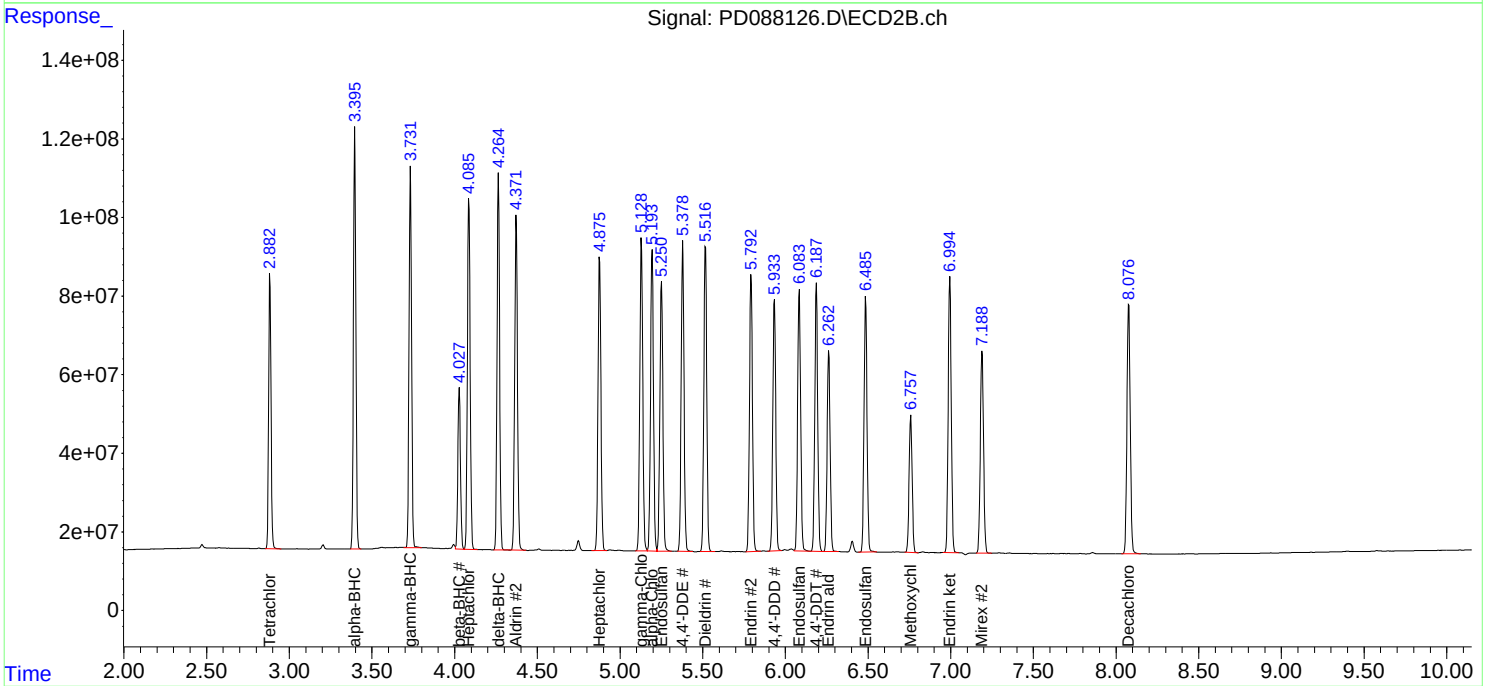
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088126.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:24
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

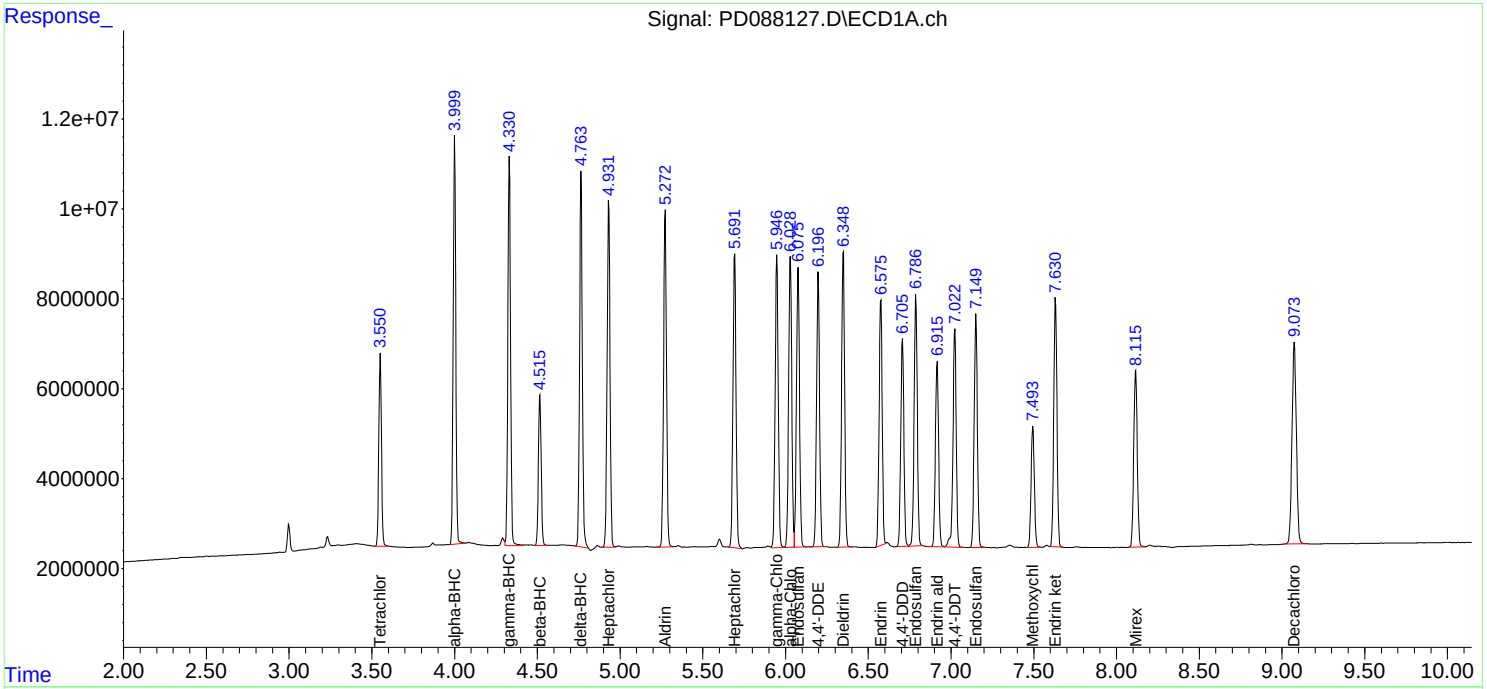
ICAL Form

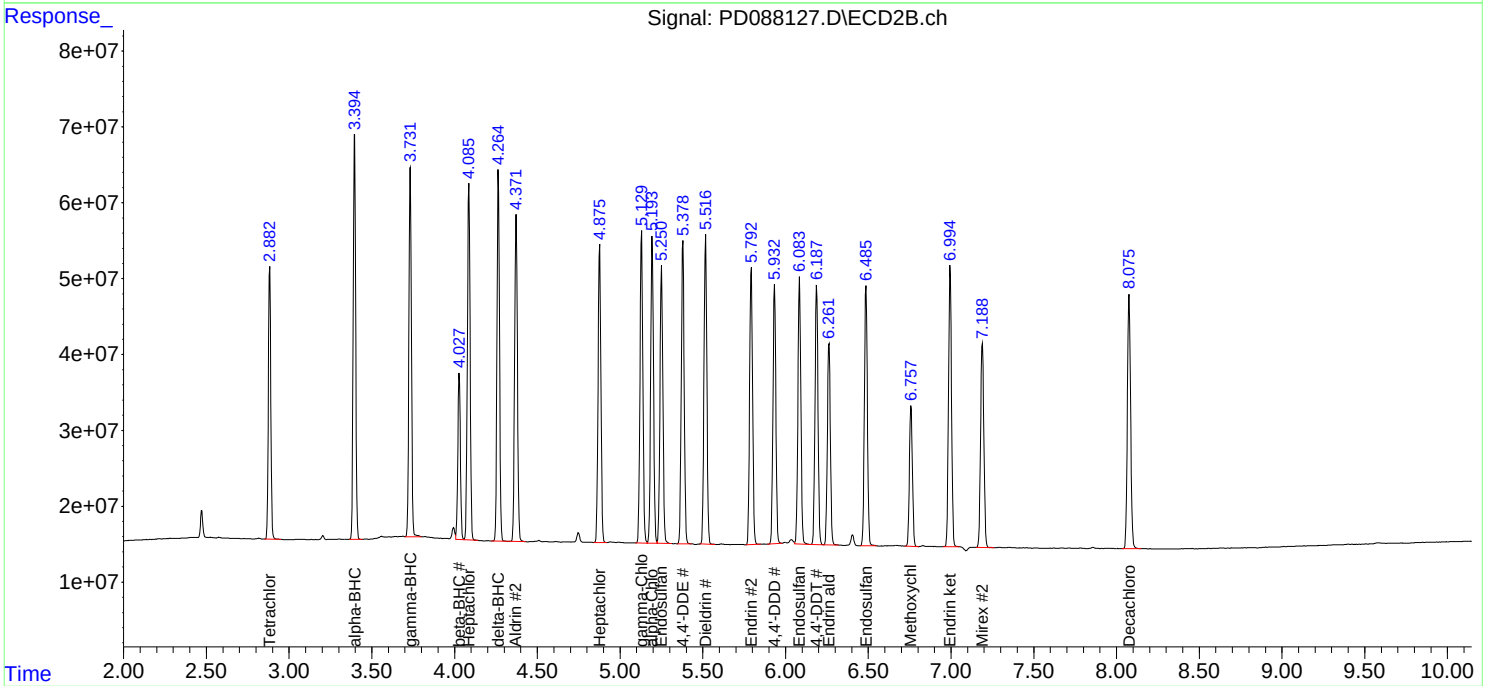
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 14:37
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

ICAL Form

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

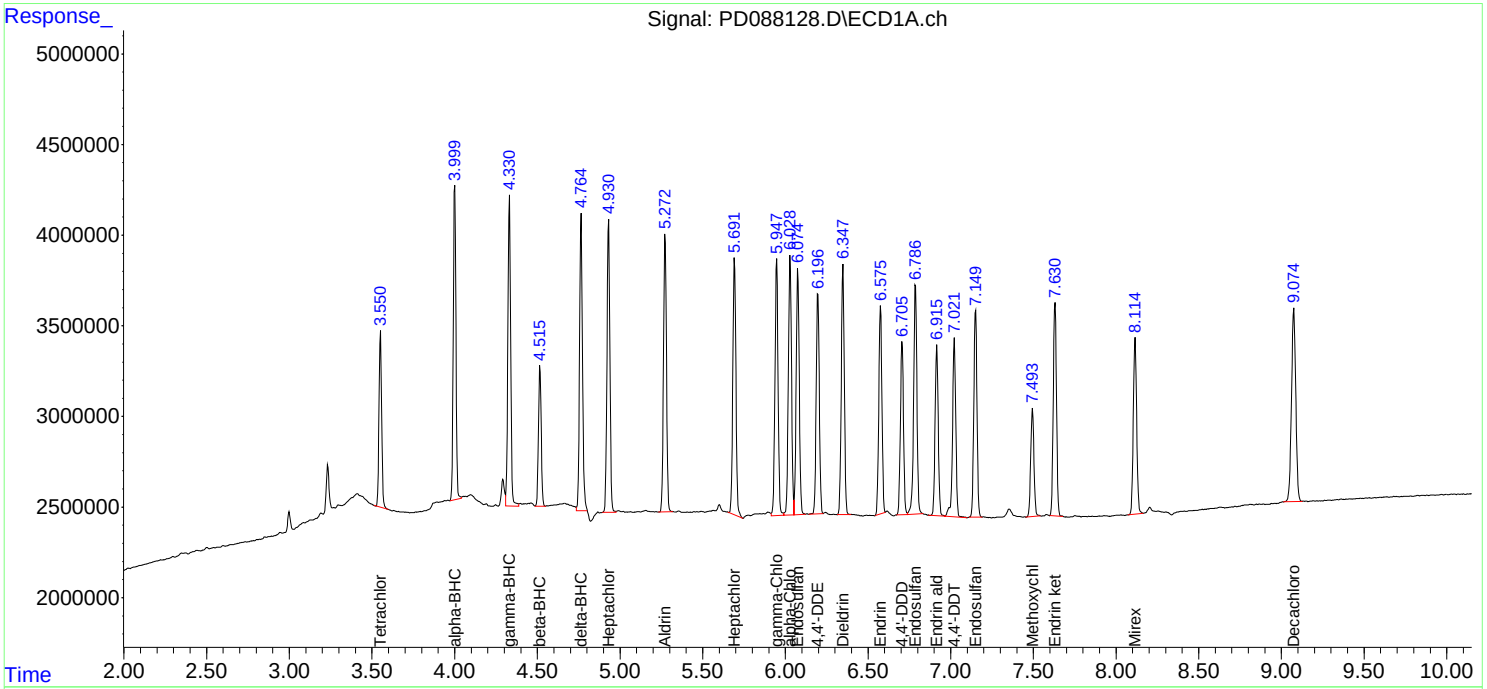
Instrument :
ECD_D
ClientSampleId :
PSTDICC005

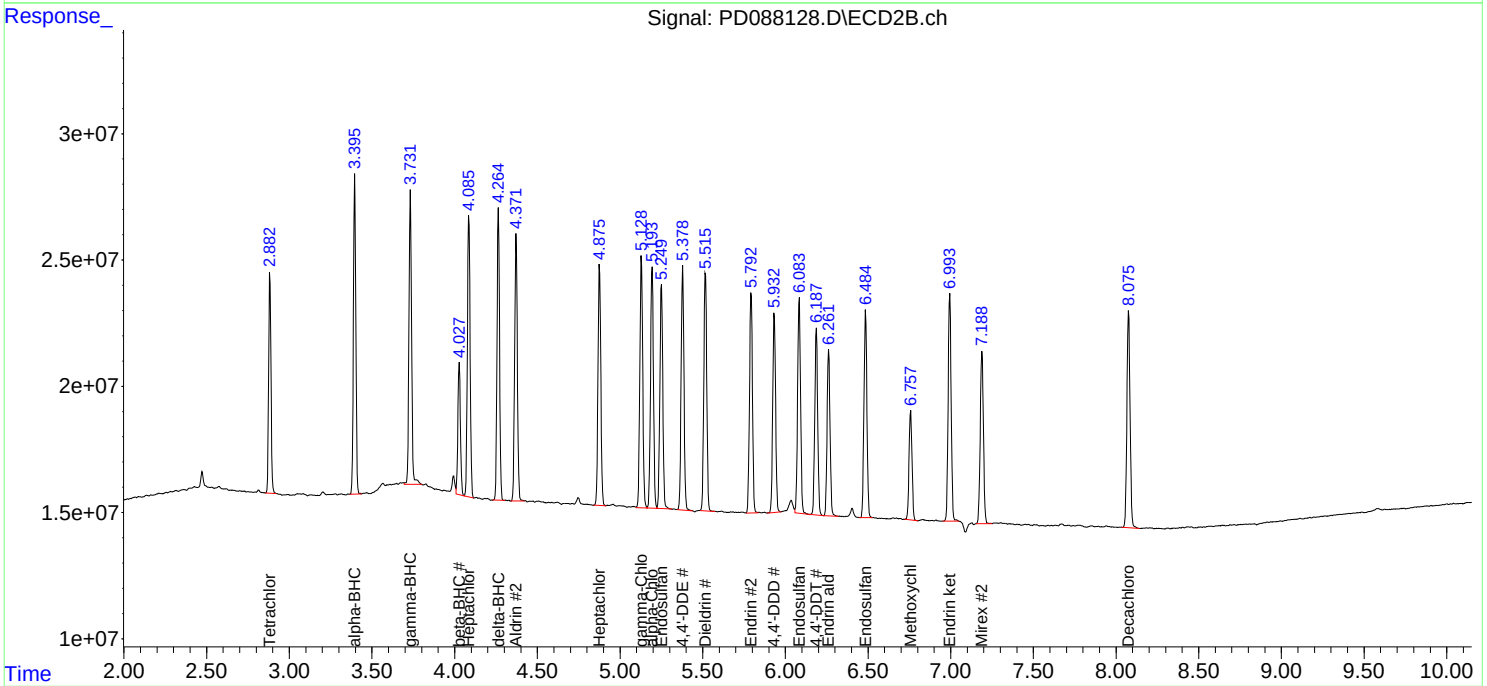
Manual Integrations APPROVED

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

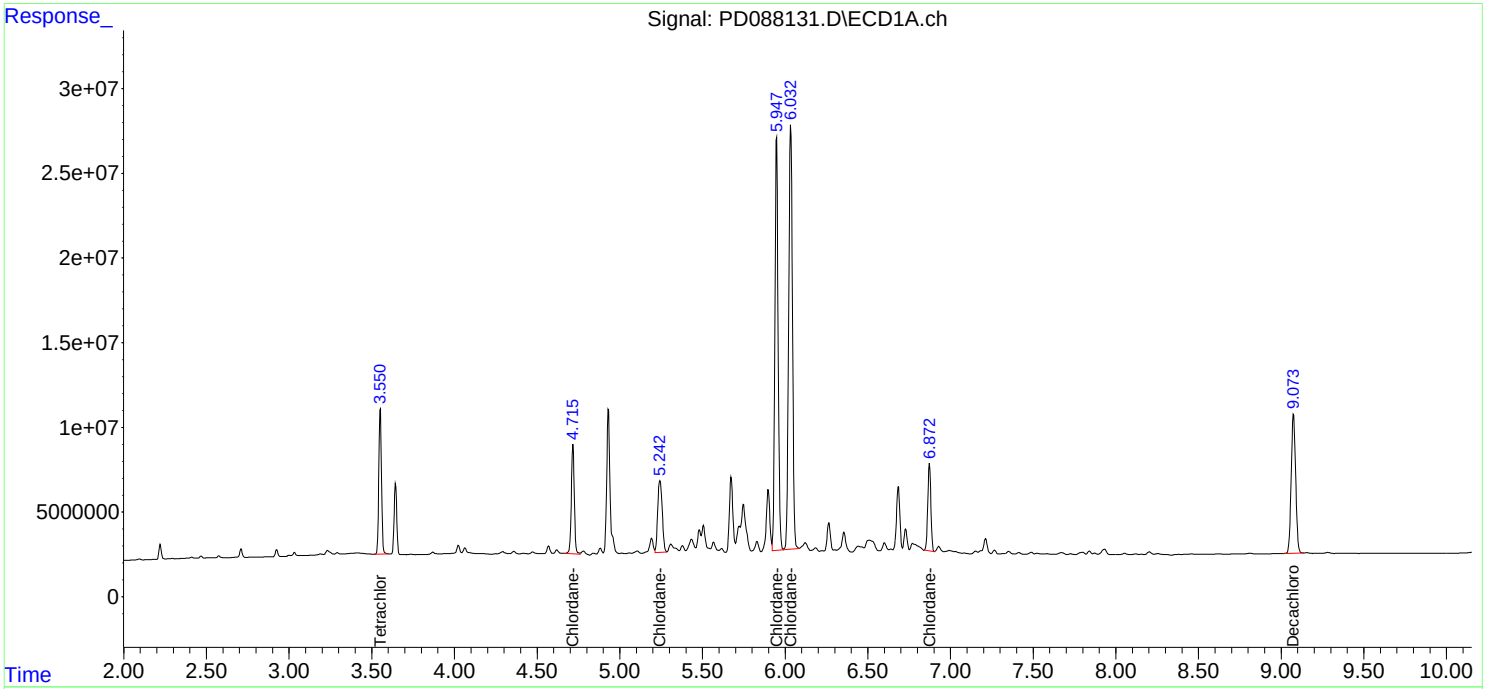
ICAL Form

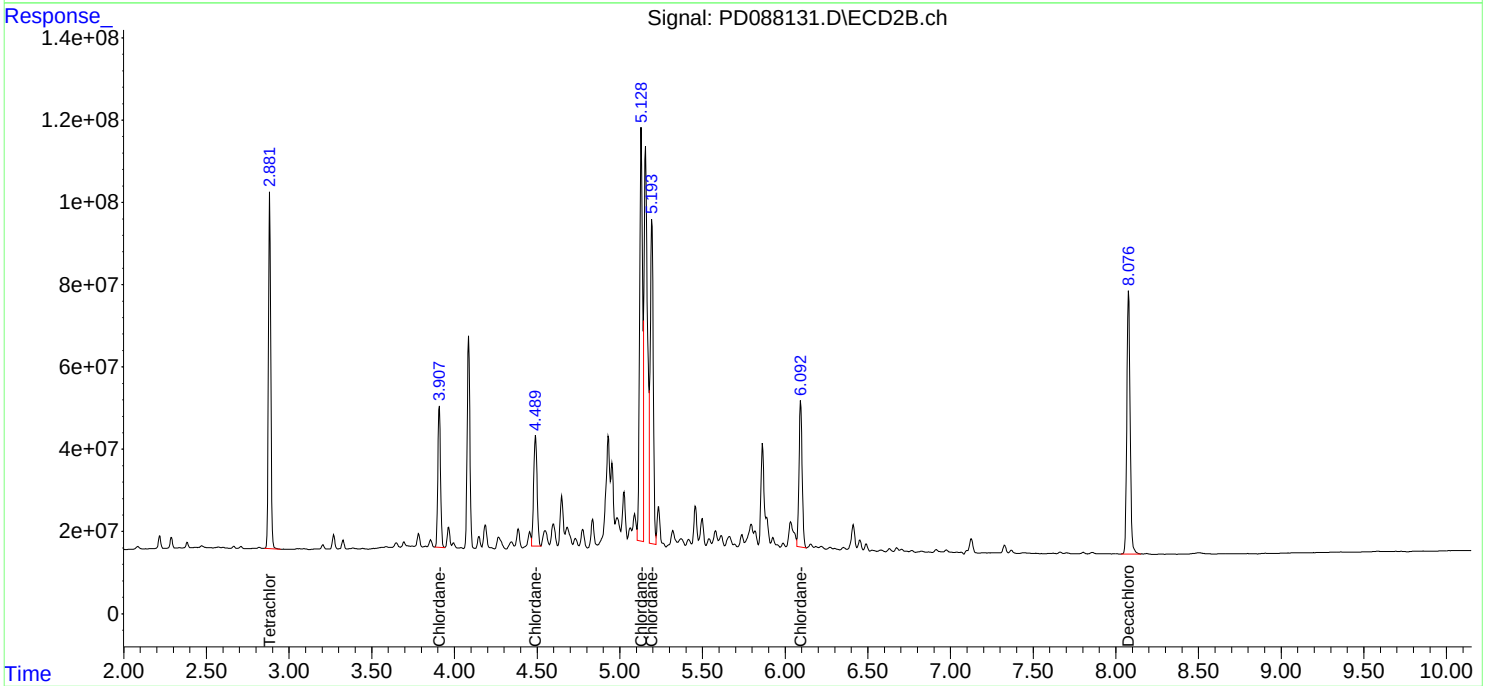
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088131.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 15:32
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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 x0.25µm

	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

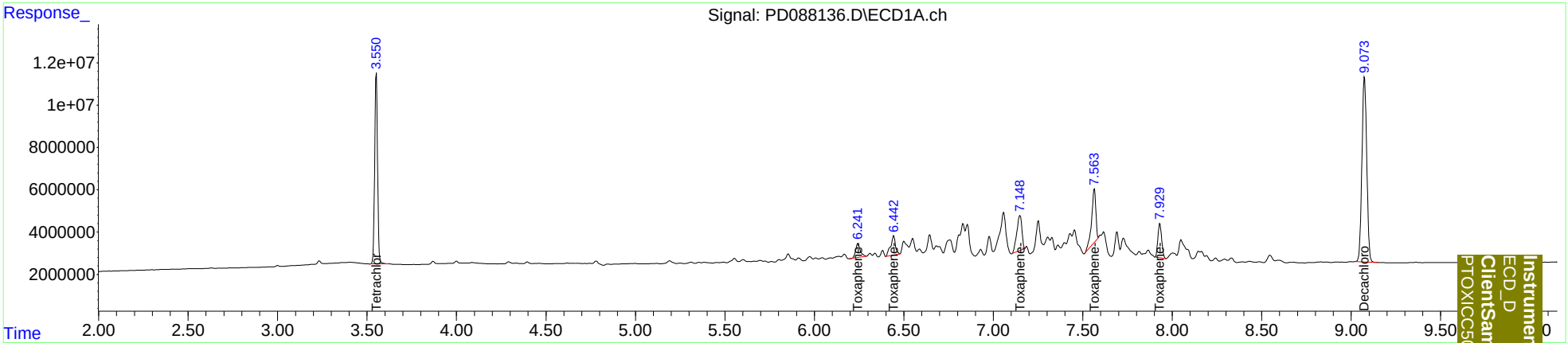
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

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 x0.25µm



Quantitation Report (QT Reviewed)

ICAL Form

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.

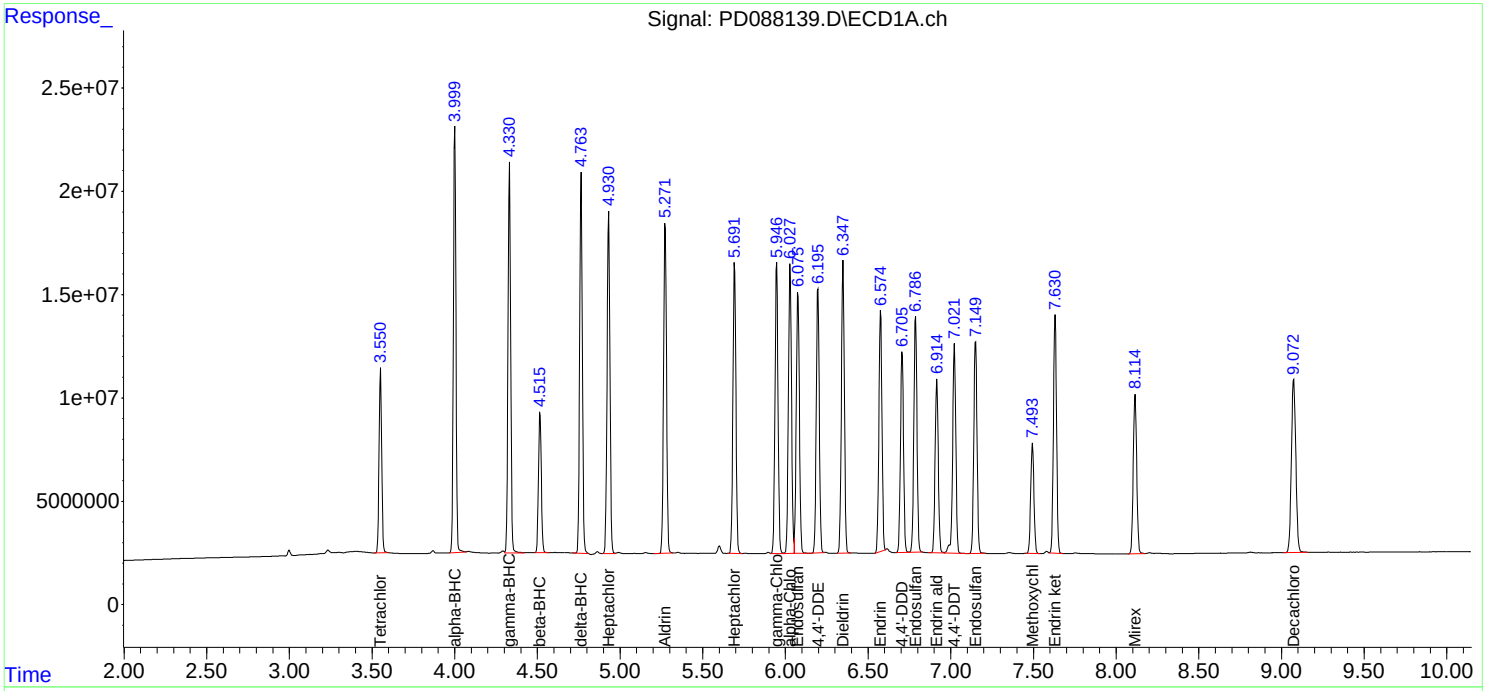
ICAL Form

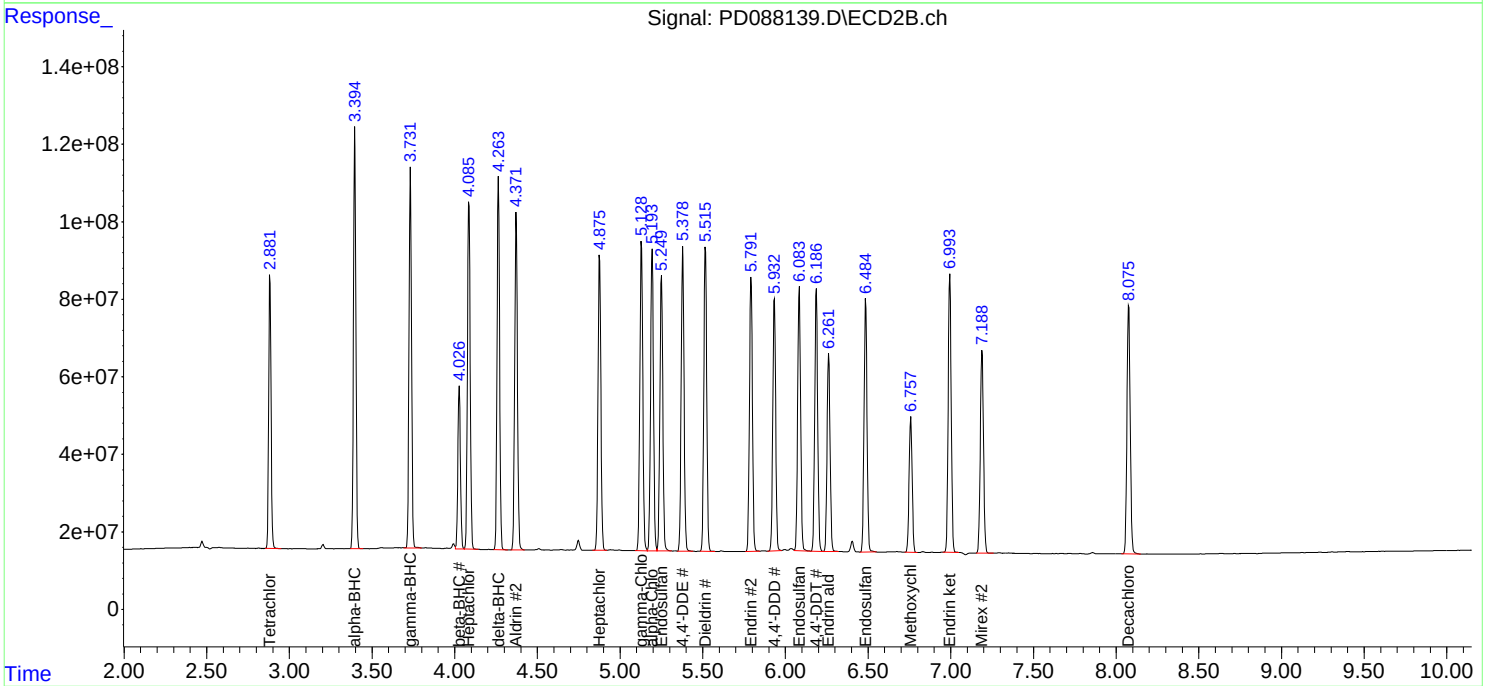
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088139.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:21
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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.

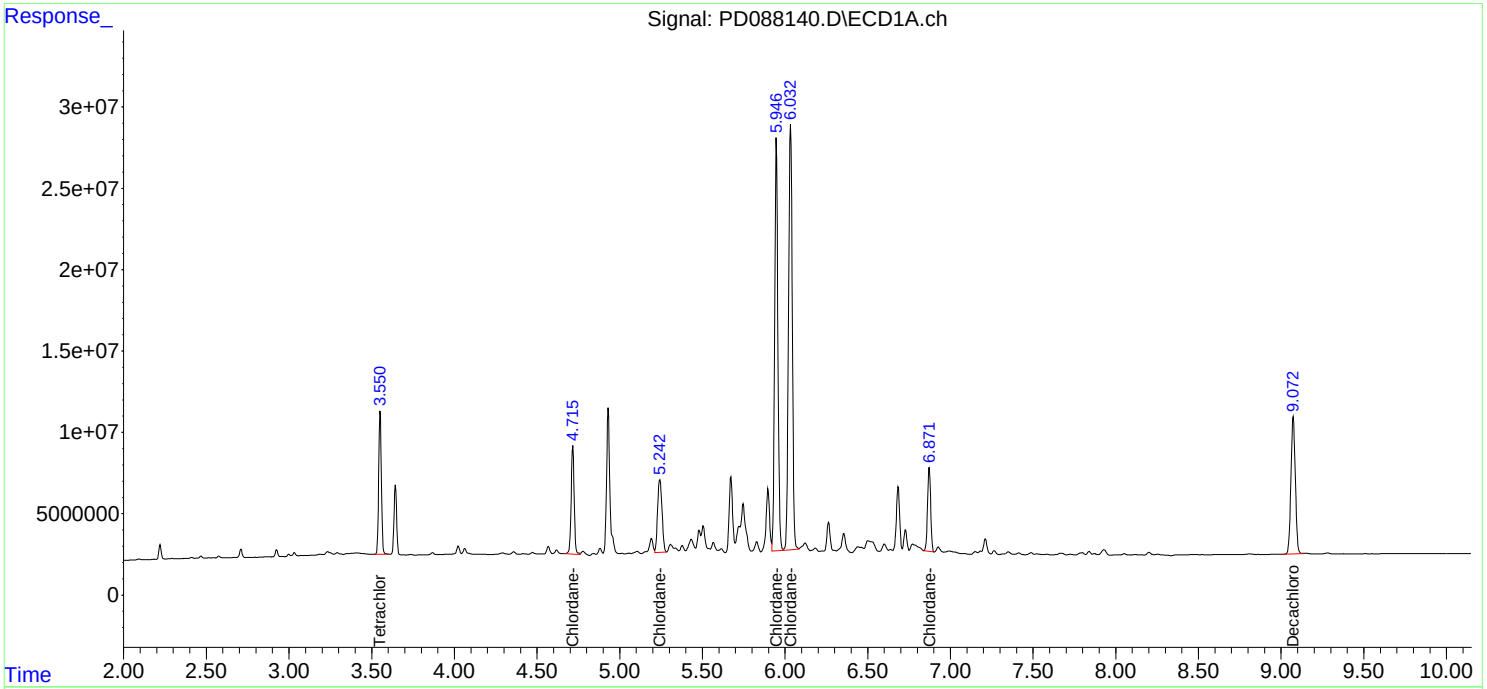
ICAL Form

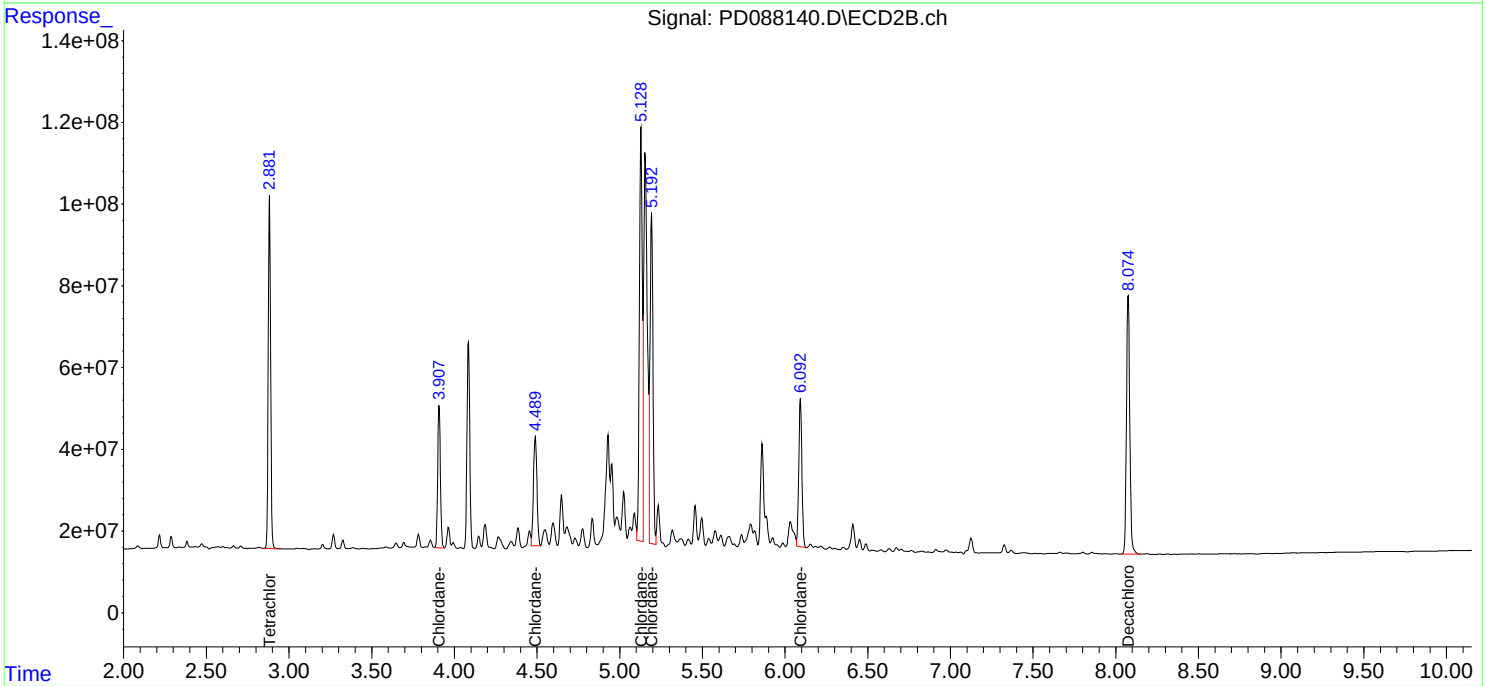
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088140.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 17:35
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

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





Quantitation Report (QT Reviewed)

ICAL Form

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 x0.25µm

	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

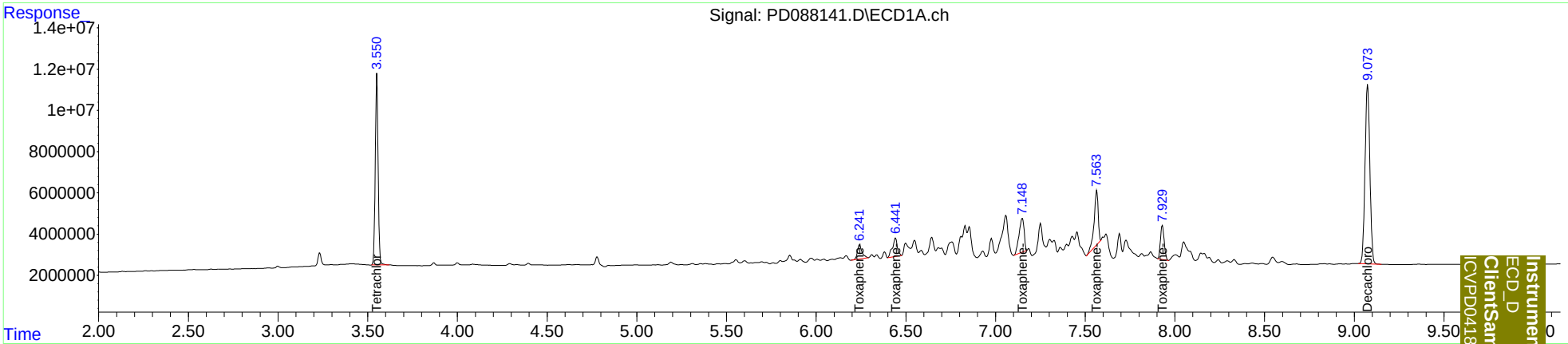
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report (QT Reviewed)

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



Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	6.75	6.75	6.75	6.75	6.75	6.75	6.65	6.85
4,4'-DDE	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
4,4'-DDT	7.07	7.07	7.07	7.07	7.07	7.07	6.97	7.17
Aldrin	5.32	5.32	5.32	5.32	5.32	5.32	5.22	5.42
alpha-BHC	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15
alpha-Chlordane	6.07	6.08	6.08	6.08	6.07	6.07	5.97	6.17
beta-BHC	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Decachlorobiphenyl	9.12	9.12	9.12	9.12	9.12	9.12	9.02	9.22
delta-BHC	4.81	4.81	4.81	4.81	4.81	4.81	4.71	4.91
Dieldrin	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endosulfan I	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endosulfan II	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Endosulfan sulfate	7.20	7.20	7.20	7.20	7.20	7.20	7.10	7.30
Endrin	6.62	6.62	6.62	6.62	6.62	6.62	6.52	6.72
Endrin aldehyde	6.96	6.97	6.96	6.97	6.96	6.96	6.86	7.06
Endrin ketone	7.68	7.68	7.68	7.68	7.68	7.68	7.58	7.78
gamma-BHC (Lindane)	4.38	4.38	4.38	4.38	4.38	4.38	4.28	4.48
gamma-Chlordane	5.99	5.99	5.99	5.99	5.99	5.99	5.89	6.09
Heptachlor	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor epoxide	5.74	5.74	5.74	5.74	5.74	5.74	5.64	5.84
Methoxychlor	7.54	7.54	7.54	7.54	7.54	7.54	7.44	7.64
Tetrachloro-m-xylene	3.60	3.60	3.60	3.60	3.60	3.60	3.50	3.70

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Calibration Date(s):** 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: RT 100 = PL095329.D RT 075 = PL095330.D

RT 050 = PL095331.D RT 025 = PL095332.D RT 005 = PL095333.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
4,4'-DDE	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
4,4'-DDT	6.20	6.20	6.20	6.20	6.20	6.20	6.10	6.30
Aldrin	4.39	4.39	4.39	4.39	4.39	4.39	4.29	4.49
alpha-BHC	3.42	3.42	3.42	3.42	3.42	3.42	3.32	3.52
alpha-Chlordane	5.21	5.21	5.21	5.21	5.21	5.21	5.11	5.31
beta-BHC	4.04	4.04	4.04	4.04	4.04	4.04	3.94	4.14
Decachlorobiphenyl	8.09	8.09	8.09	8.09	8.09	8.09	7.99	8.19
delta-BHC	4.28	4.28	4.28	4.28	4.28	4.28	4.18	4.38
Dieldrin	5.53	5.53	5.53	5.53	5.53	5.53	5.43	5.63
Endosulfan I	5.27	5.27	5.27	5.27	5.27	5.27	5.17	5.37
Endosulfan II	6.10	6.10	6.10	6.10	6.10	6.10	6.00	6.20
Endosulfan sulfate	6.50	6.50	6.50	6.50	6.50	6.50	6.40	6.60
Endrin	5.81	5.81	5.81	5.81	5.81	5.81	5.71	5.91
Endrin aldehyde	6.28	6.28	6.28	6.28	6.28	6.28	6.18	6.38
Endrin ketone	7.00	7.01	7.00	7.01	7.00	7.00	6.90	7.10
gamma-BHC (Lindane)	3.75	3.75	3.75	3.75	3.75	3.75	3.65	3.85
gamma-Chlordane	5.15	5.15	5.15	5.15	5.15	5.15	5.05	5.25
Heptachlor	4.11	4.11	4.10	4.11	4.10	4.10	4.00	4.20
Heptachlor epoxide	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Methoxychlor	6.78	6.78	6.78	6.78	6.77	6.77	6.67	6.87
Tetrachloro-m-xylene	2.91	2.91	2.91	2.91	2.91	2.91	2.81	3.01

Raw Data

Alliance TECHNICAL GROUP

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: **CF 100 =** PL095329.D **CF 075 =** PL095330.D

CF 050 = PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2865080000	2820110000	2707400000	2820390000	2941790000	2830960000	3
4,4'-DDE	3926930000	3864370000	3733720000	3923550000	4154180000	3920550000	4
4,4'-DDT	2903290000	2865670000	2760290000	2861180000	2852460000	2848580000	2
Aldrin	4647840000	4586260000	4401320000	4541780000	4787920000	4593020000	3
alpha-BHC	5150700000	5065320000	4774330000	4852360000	4926030000	4953750000	3
alpha-Chlordane	4076760000	4030350000	3886010000	4083630000	4253720000	4066090000	3
beta-BHC	2022450000	2016400000	1965250000	2085680000	2247800000	2067520000	5
Decachlorobiphenyl	2647270000	2643130000	2643240000	2821430000	3098960000	2770810000	7
delta-BHC	4738070000	4633190000	4424190000	4566110000	4891850000	4650680000	4
Dieldrin	3906950000	3842890000	3678670000	3851250000	3994310000	3854810000	3
Endosulfan I	3770440000	3742230000	3626630000	3786630000	4061610000	3797510000	4
Endosulfan II	3128440000	3103520000	3002730000	3212680000	3513410000	3192160000	6
Endosulfan sulfate	2745420000	2730650000	2668320000	2842960000	3021620000	2801790000	5
Endrin	3180610000	3135010000	3029370000	3189370000	3389380000	3184750000	4
Endrin aldehyde	2276780000	2261540000	2217540000	2374650000	2473490000	2320800000	4
Endrin ketone	2808150000	2785670000	2719210000	2881190000	3060160000	2850880000	5
gamma-BHC (Lindane)	4856470000	4786000000	4549760000	4668080000	4809580000	4733980000	3
gamma-Chlordane	4124190000	4059250000	3905550000	4078750000	4229020000	4079350000	3
Heptachlor	4568820000	4531980000	4377790000	4575770000	4817970000	4574470000	3
Heptachlor epoxide	3988500000	3934340000	3801190000	4031630000	4270090000	4005150000	4
Methoxychlor	1352180000	1349600000	1330140000	1425930000	1517800000	1395130000	6
Tetrachloro-m-xylene	3234910000	3230840000	3121140000	3291160000	3445310000	3264670000	4

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L

Calibration Date(s): 04/23/2025 04/23/2025

Calibration Times: 11:31 12:26

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

LAB FILE ID: **CF 100 =** PL095329.D **CF 075 =** PL095330.D

CF 050 = PL095331.D **CF 025 =** PL095332.D **CF 005 =** PL095333.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	3451170000	3194300000	3089420000	3267920000	3331160000	3266790000	4
4,4'-DDE	4259410000	3966100000	3865330000	4094560000	4149440000	4066970000	4
4,4'-DDT	3670140000	3377430000	3277310000	3441260000	3414750000	3436180000	4
Aldrin	4336230000	4110670000	3932000000	4090330000	4109170000	4115680000	4
alpha-BHC	4736540000	4516850000	4297240000	4349260000	4343700000	4448720000	4
alpha-Chlordane	4133620000	3862560000	3765120000	4001070000	4142940000	3981060000	4
beta-BHC	2067890000	1993150000	1943400000	2123640000	2251240000	2075870000	6
Decachlorobiphenyl	3012930000	2805190000	2819260000	3040170000	3118780000	2959270000	5
delta-BHC	4648560000	4403980000	4210640000	4308090000	4338550000	4381960000	4
Dieldrin	4236430000	3965120000	3821410000	4048720000	4263750000	4067090000	5
Endosulfan I	3807730000	3560790000	3497100000	3705930000	3730570000	3660420000	3
Endosulfan II	3698040000	3467810000	3383890000	3618180000	3787600000	3591100000	5
Endosulfan sulfate	3392490000	3183240000	3137080000	3349770000	3527070000	3317930000	5
Endrin	3800710000	3545950000	3460240000	3666780000	3729930000	3640720000	4
Endrin aldehyde	2674690000	2521940000	2472880000	2646040000	2750240000	2613160000	4
Endrin ketone	3628850000	3413660000	3354790000	3555450000	3653710000	3521290000	4
gamma-BHC (Lindane)	4631690000	4416100000	4228420000	4346320000	4368600000	4398230000	3
gamma-Chlordane	4227760000	3927530000	3820020000	4050010000	4238020000	4052670000	5
Heptachlor	4496590000	4284140000	4154420000	4363150000	4485210000	4356700000	3
Heptachlor epoxide	3969410000	3758210000	3669420000	3887920000	4028340000	3862660000	4
Methoxychlor	1917900000	1805540000	1811740000	1949450000	2052510000	1907430000	5
Tetrachloro-m-xylene	3206620000	3119570000	3030900000	3186820000	3354850000	3179750000	4

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Date(s) Analyzed:** 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	6.29	6.19	6.39	28235200
		2	6.49	6.39	6.59	39421500
		3	7.10	7.00	7.20	96309000
		4	7.19	7.09	7.29	70316900
		5	7.97	7.87	8.07	49098200

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Instrument ID: ECD_L **Date(s) Analyzed:** 04/23/2025 04/23/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.17	5.07	5.27	24602200
		2	5.49	5.39	5.59	23566500
		3	5.85	5.75	5.95	25599600
		4	6.77	6.67	6.87	76845100
		5	7.21	7.11	7.31	55473400

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:29:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.595	2.906	323.5E6	320.7E6	101.790	102.817
28) SA	Decachlor...	9.123	8.089	264.7E6	301.3E6	100.076	103.321
	Target Compounds						
2) A	alpha-BHC	4.046	3.416	515.1E6	473.7E6	103.792	104.863
3) MA	gamma-BHC...	4.378	3.750	485.6E6	463.2E6	103.261	104.552
4) MA	Heptachlor	4.976	4.105	456.9E6	449.7E6	102.135	103.955
5) MB	Aldrin	5.318	4.390	464.8E6	433.6E6	102.724	104.889
6) B	beta-BHC	4.563	4.043	202.2E6	206.8E6	101.434	103.103
7) B	delta-BHC	4.812	4.280	473.8E6	464.9E6	103.426	104.943
8) B	Heptachlo...	5.739	4.893	398.8E6	396.9E6	102.405	103.927
9) A	Endosulfan I	6.122	5.266	377.0E6	380.8E6	101.944	104.252
10) B	gamma-Chl...	5.993	5.146	412.4E6	422.8E6	102.723	105.067
11) B	alpha-Chl...	6.074	5.210	407.7E6	413.4E6	102.396	104.665
12) B	4,4'-DDE	6.243	5.397	392.7E6	425.9E6	102.522	104.850
13) MA	Dieldrin	6.395	5.532	390.7E6	423.6E6	103.009	105.151
14) MA	Endrin	6.623	5.807	318.1E6	380.1E6	102.435	104.689
15) B	Endosulfa...	6.835	6.097	312.8E6	369.8E6	102.050	104.436
16) A	4,4'-DDD	6.753	5.949	286.5E6	345.1E6	102.830	105.531
17) MA	4,4'-DDT	7.068	6.204	290.3E6	367.0E6	102.525	105.654
18) B	Endrin al...	6.964	6.275	227.7E6	267.5E6	101.318	103.921
19) B	Endosulfa...	7.197	6.498	274.5E6	339.2E6	101.424	103.912
20) A	Methoxychlor	7.540	6.775	135.2E6	191.8E6	100.822	102.846
21) B	Endrin ke...	7.679	7.004	280.8E6	362.9E6	101.609	103.924
22)	Mirex	8.161	7.201	221.4E6	287.9E6	99.567	102.890

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

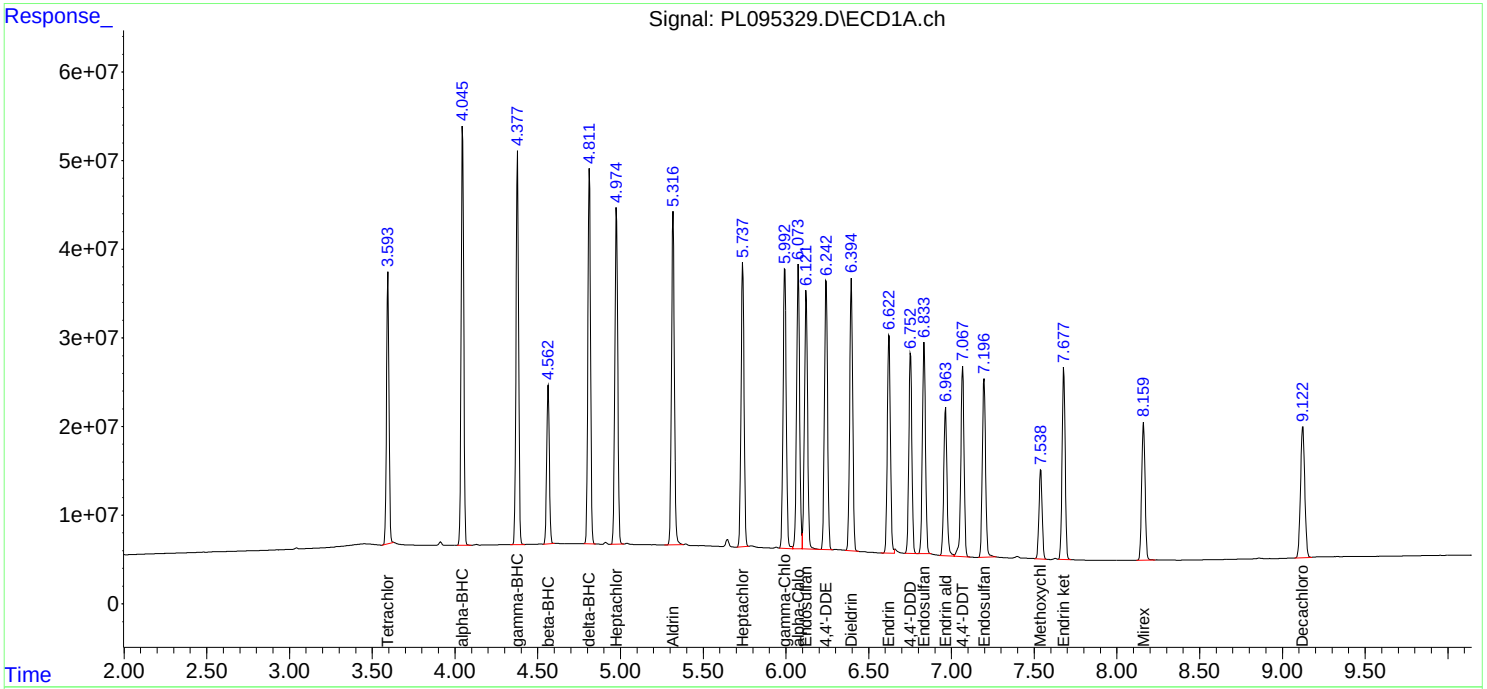
ICAL Form

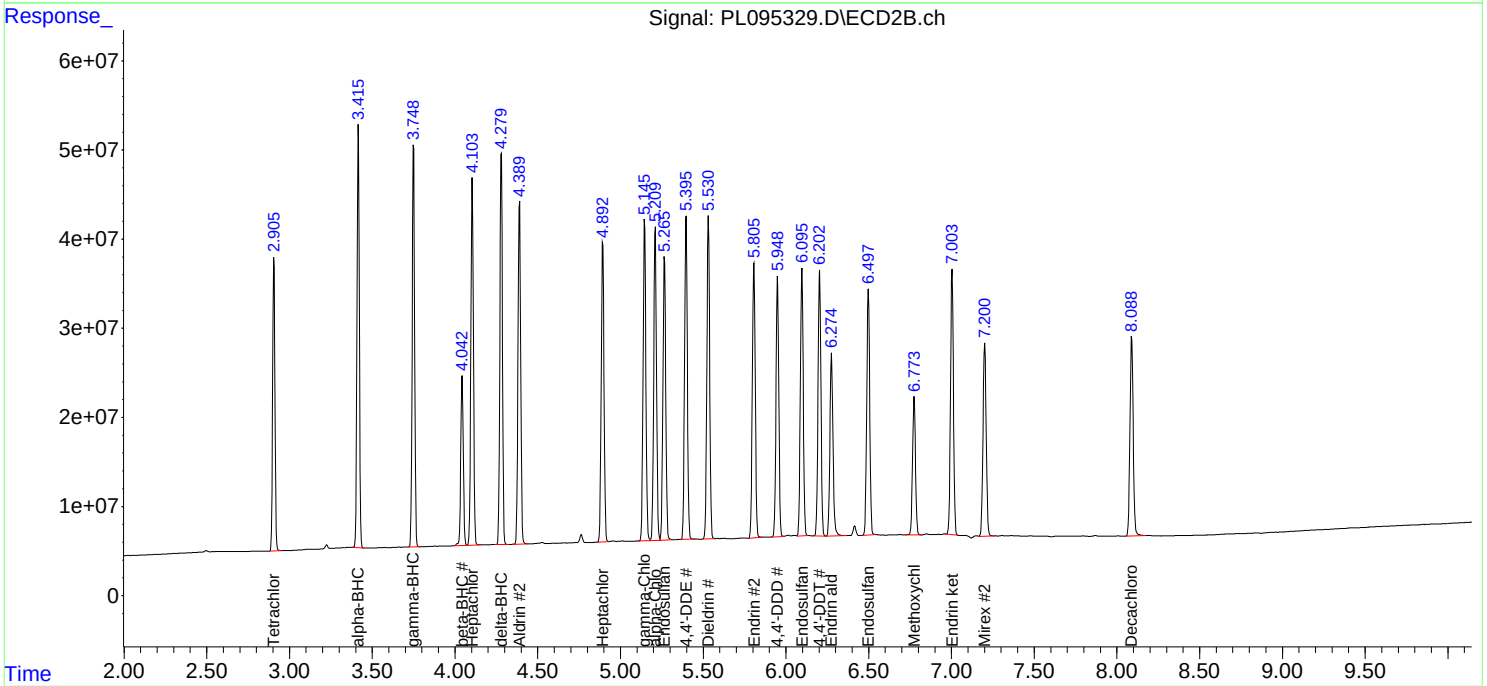
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095329.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:31
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:29:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.595	2.906	242.3E6	234.0E6	75.826	75.013
28) SA	Decachlor...	9.123	8.090	198.2E6	210.4E6	74.960	73.074
	Target Compounds						
2) A	alpha-BHC	4.047	3.417	379.9E6	338.8E6	76.029	75.000
3) MA	gamma-BHC...	4.378	3.750	358.9E6	331.2E6	75.876	74.842
4) MA	Heptachlor	4.977	4.105	339.9E6	321.3E6	75.653	74.520
5) MB	Aldrin	5.318	4.390	344.0E6	308.3E6	75.679	74.716
6) B	beta-BHC	4.564	4.044	151.2E6	149.5E6	75.563	74.688
7) B	delta-BHC	4.813	4.281	347.5E6	330.3E6	75.566	74.710
8) B	Heptachlo...	5.740	4.894	295.1E6	281.9E6	75.505	74.194
9) A	Endosulfan I	6.123	5.267	280.7E6	267.1E6	75.588	73.735
10) B	gamma-Chl...	5.993	5.147	304.4E6	294.6E6	75.551	73.793
11) B	alpha-Chl...	6.075	5.211	302.3E6	289.7E6	75.612	73.893
12) B	4,4'-DDE	6.243	5.398	289.8E6	297.5E6	75.443	73.806
13) MA	Dieldrin	6.396	5.532	288.2E6	297.4E6	75.657	74.204
14) MA	Endrin	6.623	5.807	235.1E6	265.9E6	75.482	73.827
15) B	Endosulfa...	6.836	6.097	232.8E6	260.1E6	75.616	73.960
16) A	4,4'-DDD	6.753	5.949	211.5E6	239.6E6	75.605	73.829
17) MA	4,4'-DDT	7.069	6.204	214.9E6	253.3E6	75.596	73.601
18) B	Endrin al...	6.965	6.276	169.6E6	189.1E6	75.319	73.986
19) B	Endosulfa...	7.199	6.498	204.8E6	238.7E6	75.438	73.741
20) A	Methoxychlor	7.540	6.775	101.2E6	135.4E6	75.314	73.393
21) B	Endrin ke...	7.680	7.005	208.9E6	256.0E6	75.397	73.872
22)	Mirex	8.161	7.202	167.3E6	202.6E6	75.145	73.247

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

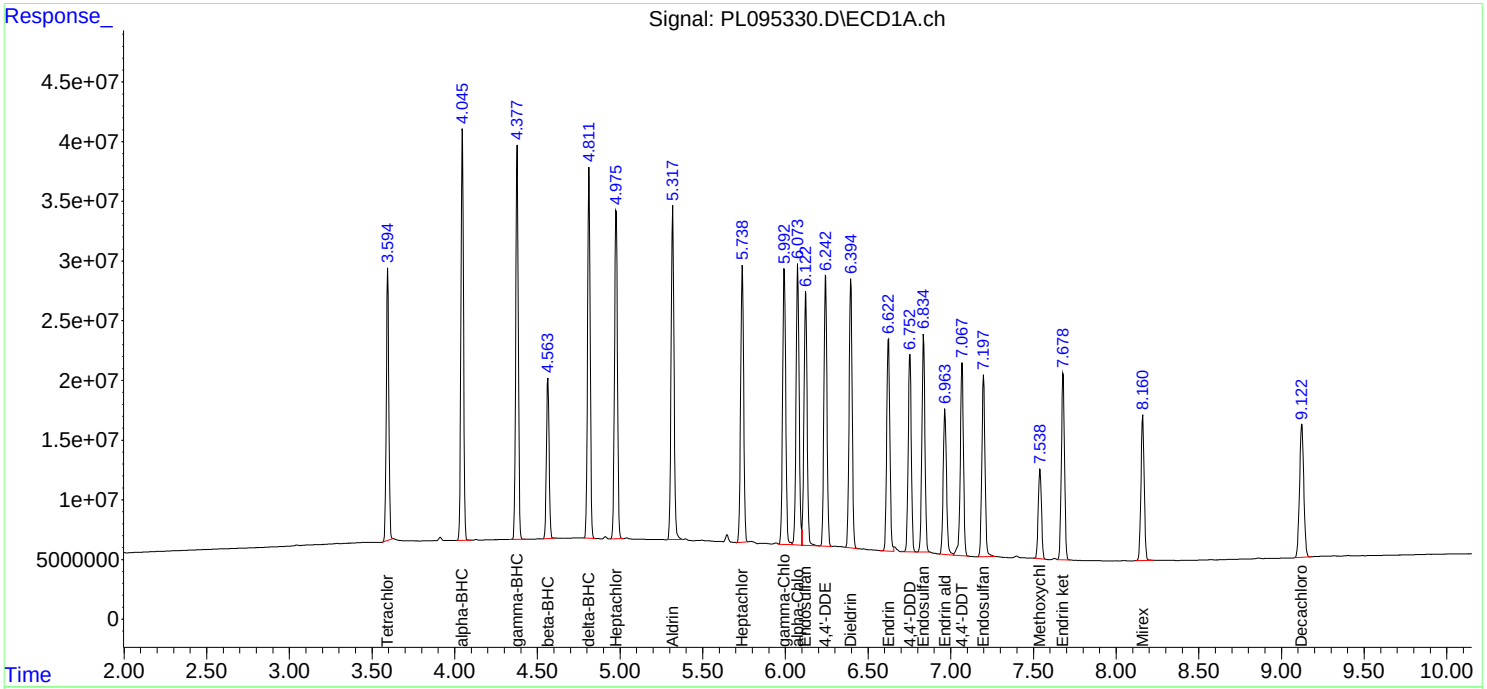
ICAL Form

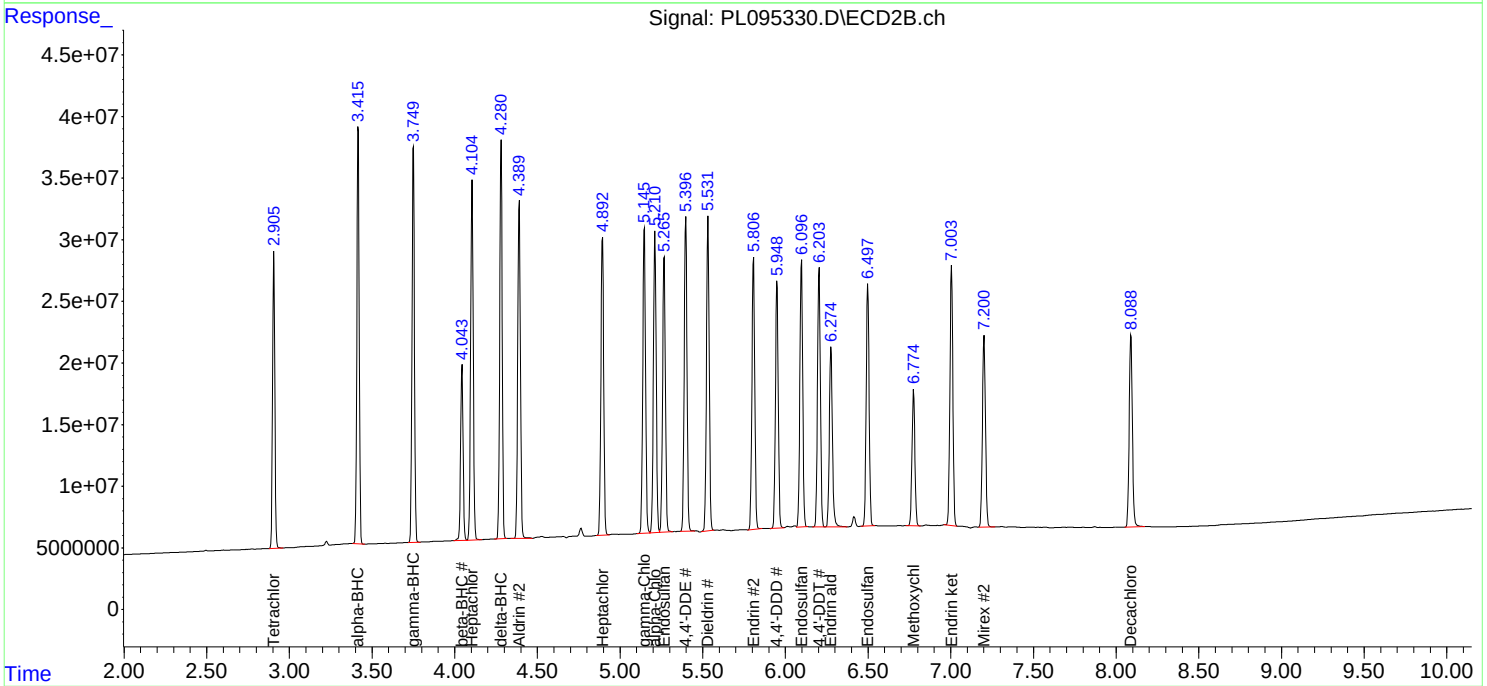
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:45
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:31:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.595	2.906	156.1E6	151.5E6	50.000	50.000
28) SA	Decachlor...	9.122	8.089	132.2E6	141.0E6	50.000	50.000
	Target Compounds						
2) A	alpha-BHC	4.046	3.416	238.7E6	214.9E6	50.000	50.000
3) MA	gamma-BHC...	4.377	3.750	227.5E6	211.4E6	50.000	50.000
4) MA	Heptachlor	4.976	4.104	218.9E6	207.7E6	50.000	50.000
5) MB	Aldrin	5.318	4.390	220.1E6	196.6E6	50.000	50.000
6) B	beta-BHC	4.564	4.044	98262466	97170224	50.000	50.000
7) B	delta-BHC	4.812	4.280	221.2E6	210.5E6	50.000	50.000
8) B	Heptachlo...	5.739	4.893	190.1E6	183.5E6	50.000	50.000
9) A	Endosulfan I	6.123	5.267	181.3E6	174.9E6	50.000	50.000
10) B	gamma-Chl...	5.994	5.147	195.3E6	191.0E6	50.000	50.000
11) B	alpha-Chl...	6.075	5.211	194.3E6	188.3E6	50.000	50.000
12) B	4,4'-DDE	6.243	5.397	186.7E6	193.3E6	50.000	50.000
13) MA	Dieldrin	6.396	5.532	183.9E6	191.1E6	50.000	50.000
14) MA	Endrin	6.623	5.807	151.5E6	173.0E6	50.000	50.000
15) B	Endosulfa...	6.835	6.097	150.1E6	169.2E6	50.000	50.000
16) A	4,4'-DDD	6.753	5.949	135.4E6	154.5E6	50.000	50.000
17) MA	4,4'-DDT	7.069	6.204	138.0E6	163.9E6	50.000	50.000
18) B	Endrin al...	6.964	6.275	110.9E6	123.6E6	50.000	50.000
19) B	Endosulfa...	7.198	6.498	133.4E6	156.9E6	50.000	50.000
20) A	Methoxychlor	7.540	6.775	66506986	90587055	50.000	50.000
21) B	Endrin ke...	7.679	7.004	136.0E6	167.7E6	50.000	50.000
22)	Mirex	8.161	7.202	111.7E6	135.8E6	50.000	50.000

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

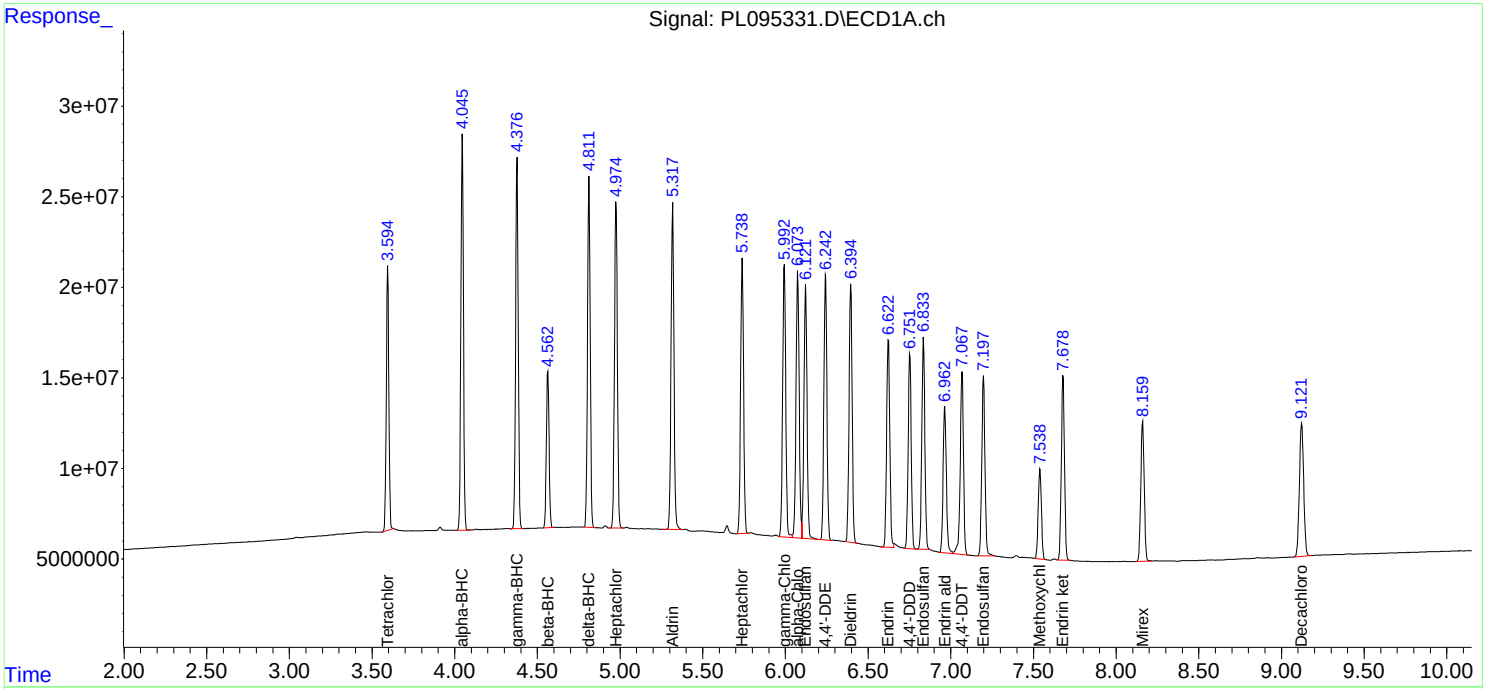
ICAL Form

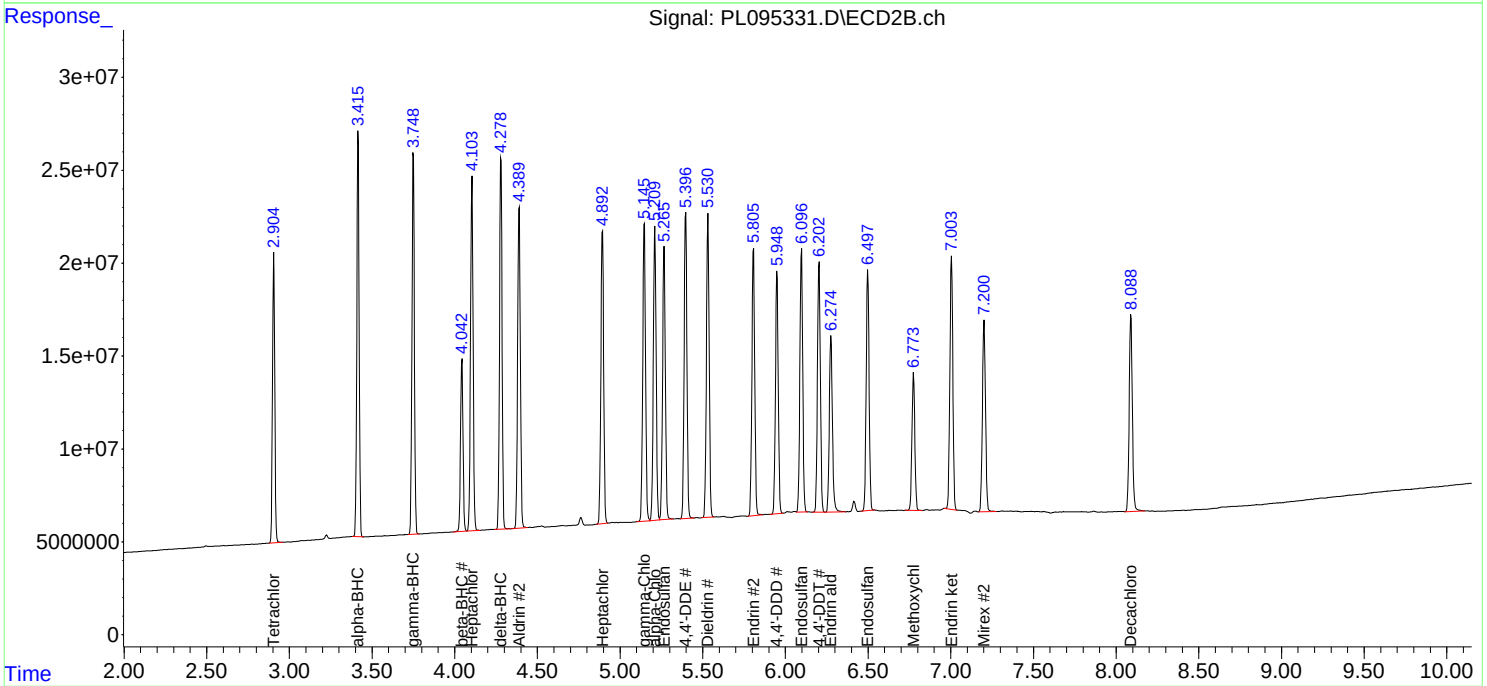
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095331.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:59
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:26:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.595	2.906	82279109	79670448	25.556	25.405
28)	SA Decachlor...	9.124	8.090	70535847	76004301	26.234	26.034
	Target Compounds						
2)	A alpha-BHC	4.047	3.416	121.3E6	108.7E6	24.454	24.298
3)	MA gamma-BHC...	4.378	3.750	116.7E6	108.7E6	24.751	24.663
4)	MA Heptachlor	4.976	4.105	114.4E6	109.1E6	25.344	25.223
5)	MB Aldrin	5.318	4.390	113.5E6	102.3E6	24.986	24.836
6)	B beta-BHC	4.564	4.044	52142080	53091040	25.782	26.127
7)	B delta-BHC	4.812	4.280	114.2E6	107.7E6	24.868	24.518
8)	B Heptachlo...	5.740	4.894	100.8E6	97198123	25.588	25.436
9)	A Endosulfan I	6.123	5.267	94665753	92648144	25.369	25.433
10)	B gamma-Chl...	5.994	5.147	102.0E6	101.3E6	25.228	25.273
11)	B alpha-Chl...	6.075	5.211	102.1E6	100.0E6	25.401	25.384
12)	B 4,4'-DDE	6.243	5.398	98088772	102.4E6	25.397	25.298
13)	MA Dieldrin	6.396	5.532	96281168	101.2E6	25.205	25.192
14)	MA Endrin	6.624	5.807	79734368	91669531	25.445	25.334
15)	B Endosulfa...	6.836	6.097	80317081	90454520	25.810	25.538
16)	A 4,4'-DDD	6.753	5.950	70509869	81698054	25.153	25.132
17)	MA 4,4'-DDT	7.068	6.204	71529390	86031617	25.119	24.998
18)	B Endrin al...	6.965	6.276	59366165	66150972	26.008	25.651
19)	B Endosulfa...	7.198	6.499	71073932	83744169	25.875	25.644
20)	A Methoxychlor	7.540	6.775	35648257	48736354	26.126	26.046
21)	B Endrin ke...	7.679	7.005	72029844	88886335	25.738	25.482
22)	Mirex	8.161	7.200	60846386	74131947	26.712	26.367m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095332.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:12
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

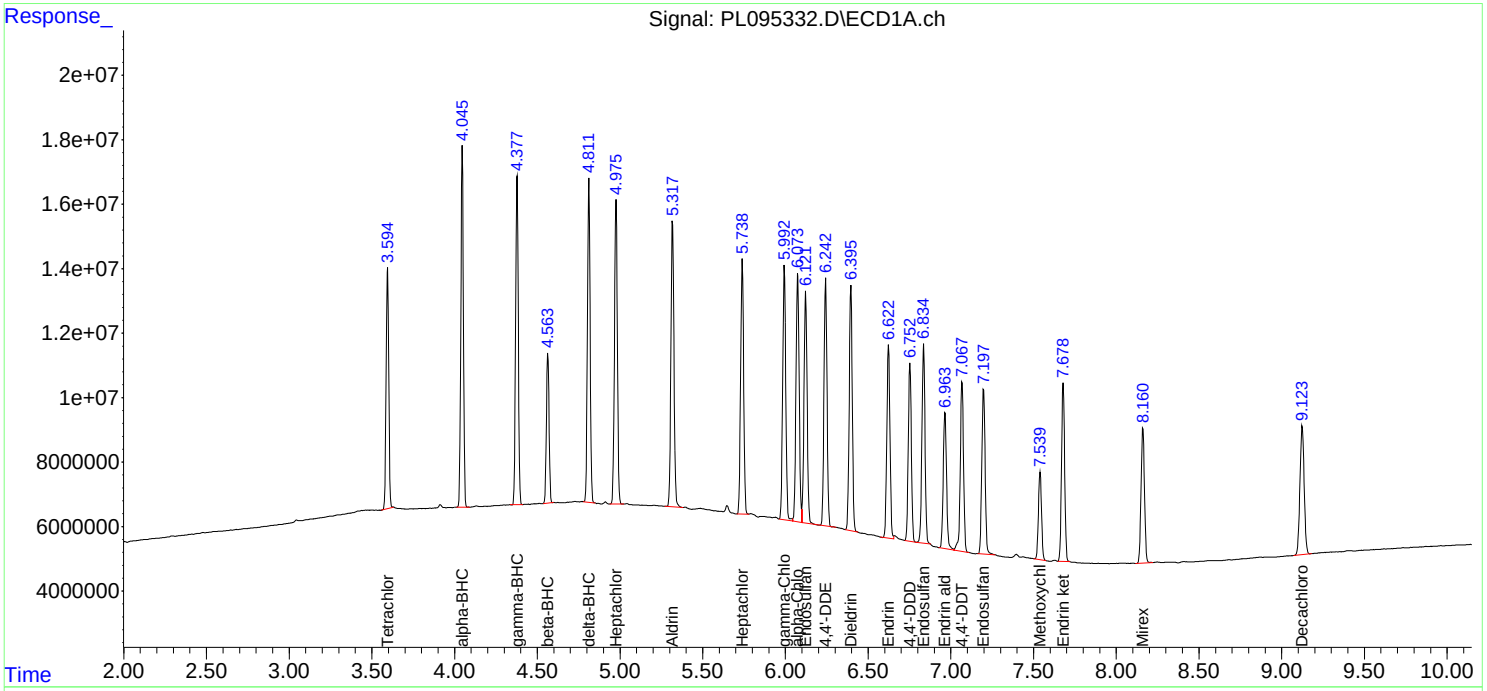
Instrument :
ECD_L
ClientSampleId :
PSTDICC025

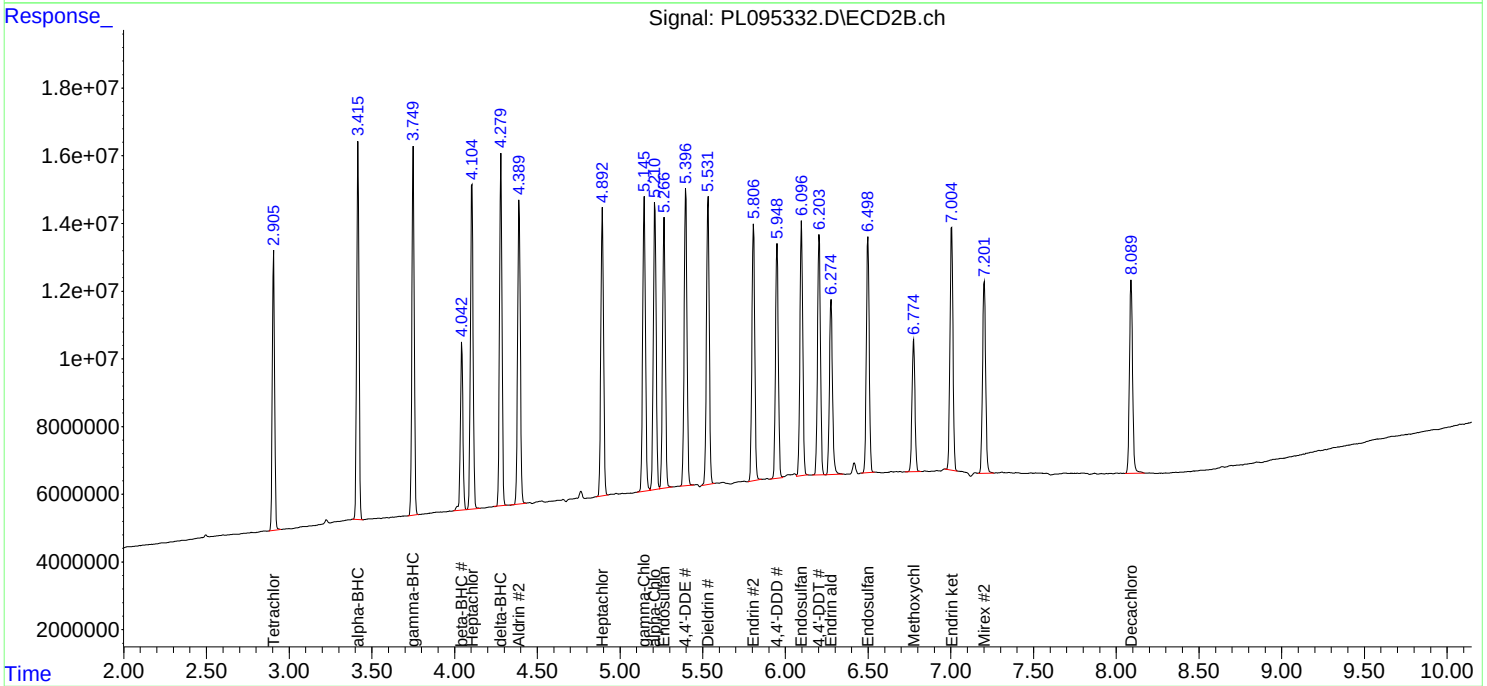
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:33:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:26:08 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.595	2.905	17226547	16774274	5.277	5.275
28) SA	Decachlor...	9.124	8.089	15494795	15593893	5.592	5.270
	Target Compounds						
2) A	alpha-BHC	4.046	3.415	24630161	21718521	4.972	4.882
3) MA	gamma-BHC...	4.378	3.749	24047920	21843021	5.080	4.966
4) MA	Heptachlor	4.976	4.104	24089854	22426031	5.266	5.147
5) MB	Aldrin	5.317	4.389	23939616	20545826	5.212	4.992
6) B	beta-BHC	4.564	4.043	11239021	11256224	5.436	5.422
7) B	delta-BHC	4.812	4.280	24459248	21692758	5.259	4.950
8) B	Heptachlo...	5.739	4.893	21350448	20141703	5.331	5.214
9) A	Endosulfan I	6.122	5.266	20308048	18652835	5.348	5.096
10) B	gamma-Chl...	5.993	5.146	21145113	21190077	5.183	5.229
11) B	alpha-Chl...	6.074	5.210	21268601	20714715	5.231	5.203
12) B	4,4'-DDE	6.242	5.397	20770904	20747185	5.298	5.101
13) MA	Dieldrin	6.396	5.532	19971571	21318751	5.181	5.242
14) MA	Endrin	6.622	5.806	16946885	18649649	5.321	5.123
15) B	Endosulfa...	6.835	6.097	17567027	18938000	5.503	5.274
16) A	4,4'-DDD	6.753	5.949	14708945	16655803	5.196	5.099
17) MA	4,4'-DDT	7.068	6.204	14262305	17073765	5.007	4.969
18) B	Endrin al...	6.964	6.275	12367450	13751187	5.329	5.262
19) B	Endosulfa...	7.198	6.498	15108097	17635344	5.392	5.315
20) A	Methoxychlor	7.540	6.774	7589024	10262527	5.440	5.380
21) B	Endrin ke...	7.679	7.004	15300793	18268527	5.367	5.188
22)	Mirex	8.161	7.200	13844446	15752969	5.827	5.469m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095333.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 12:26
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

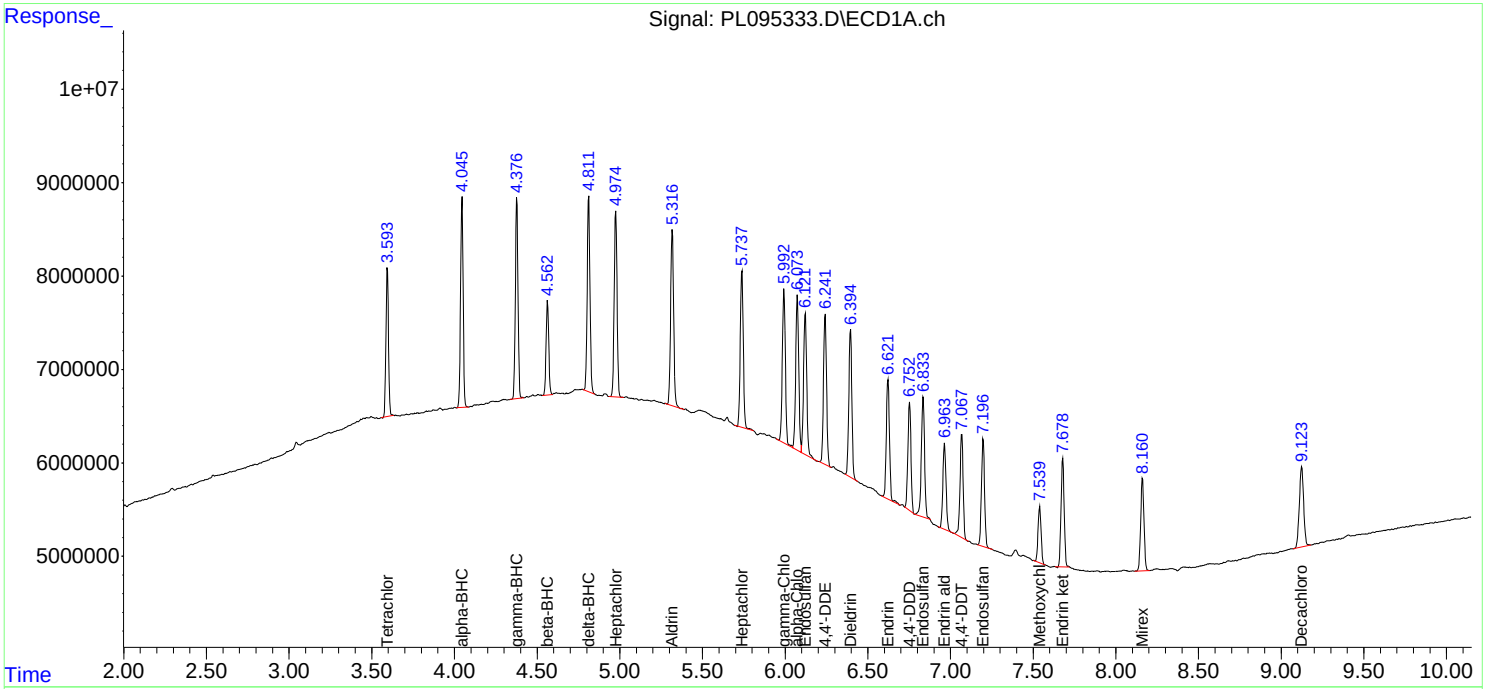
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

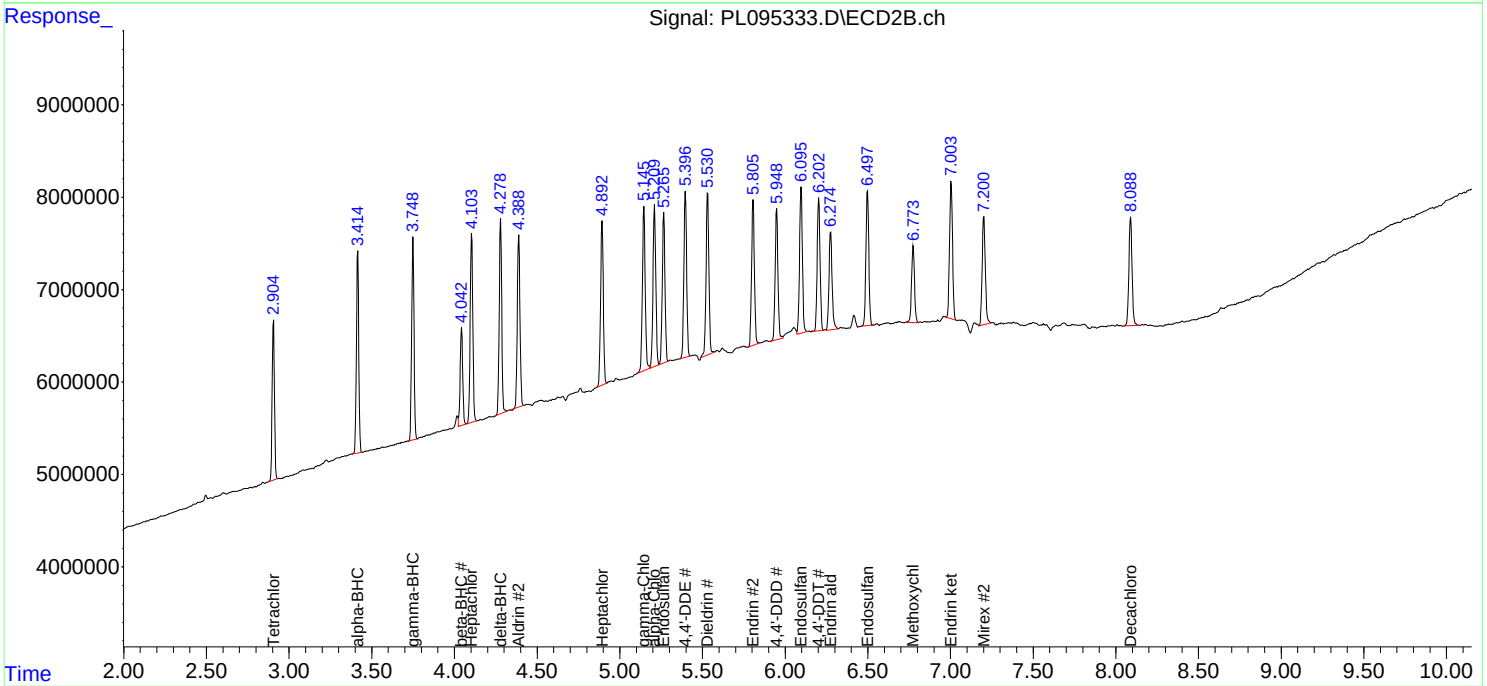
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 12:35:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 12:35:34 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.595	2.906	161.9E6	195.6E6	50.000	50.000
28)	SA Decachlor...	9.123	8.089	135.2E6	145.1E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.762	3.926	98361472	76159147	500.000	500.000
24)	Chlordane-2	5.288	4.508	106.9E6	90786464	500.000	500.000
25)	Chlordane-3	5.994	5.146	390.5E6	258.0E6	500.000	500.000
26)	Chlordane-4	6.079	5.210	472.5E6	216.5E6	500.000	500.000
27)	Chlordane-5	6.919	6.106	74901227	91342128	500.000	500.000

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

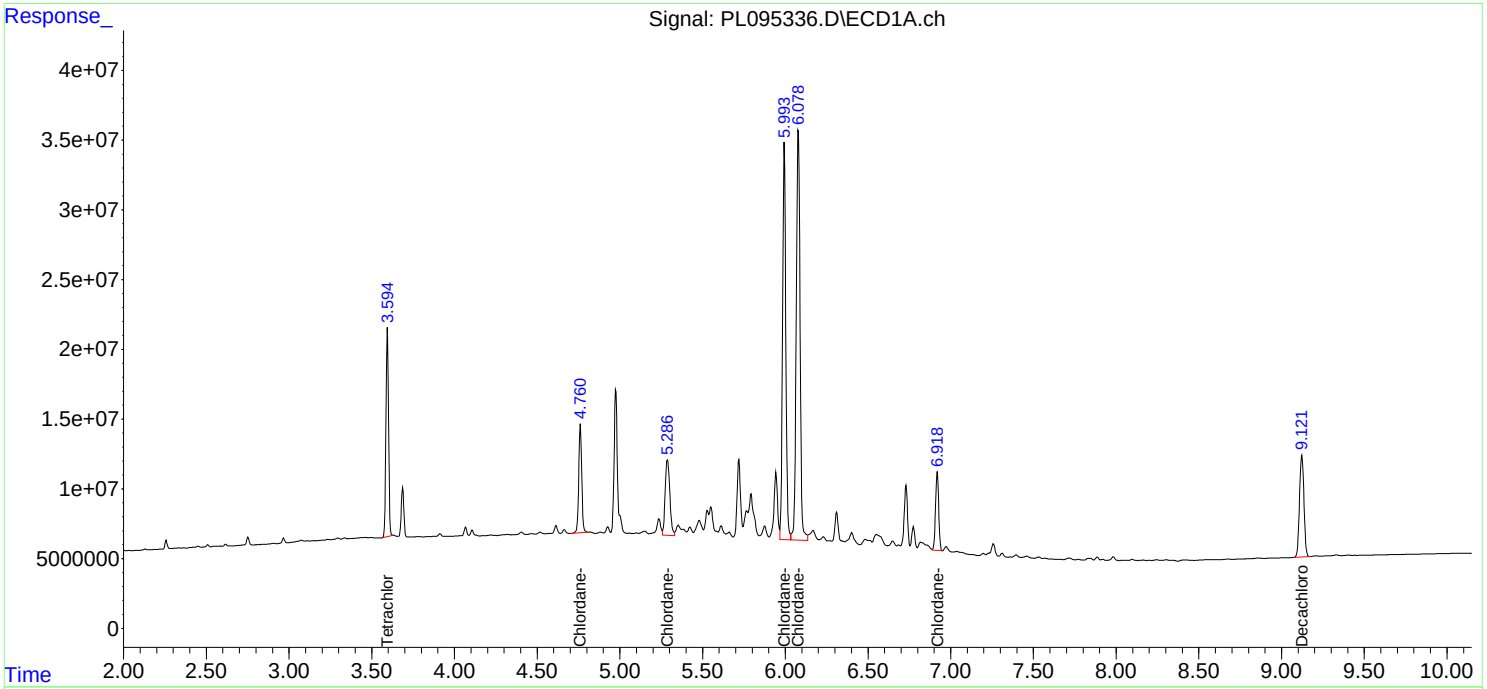
ICAL Form

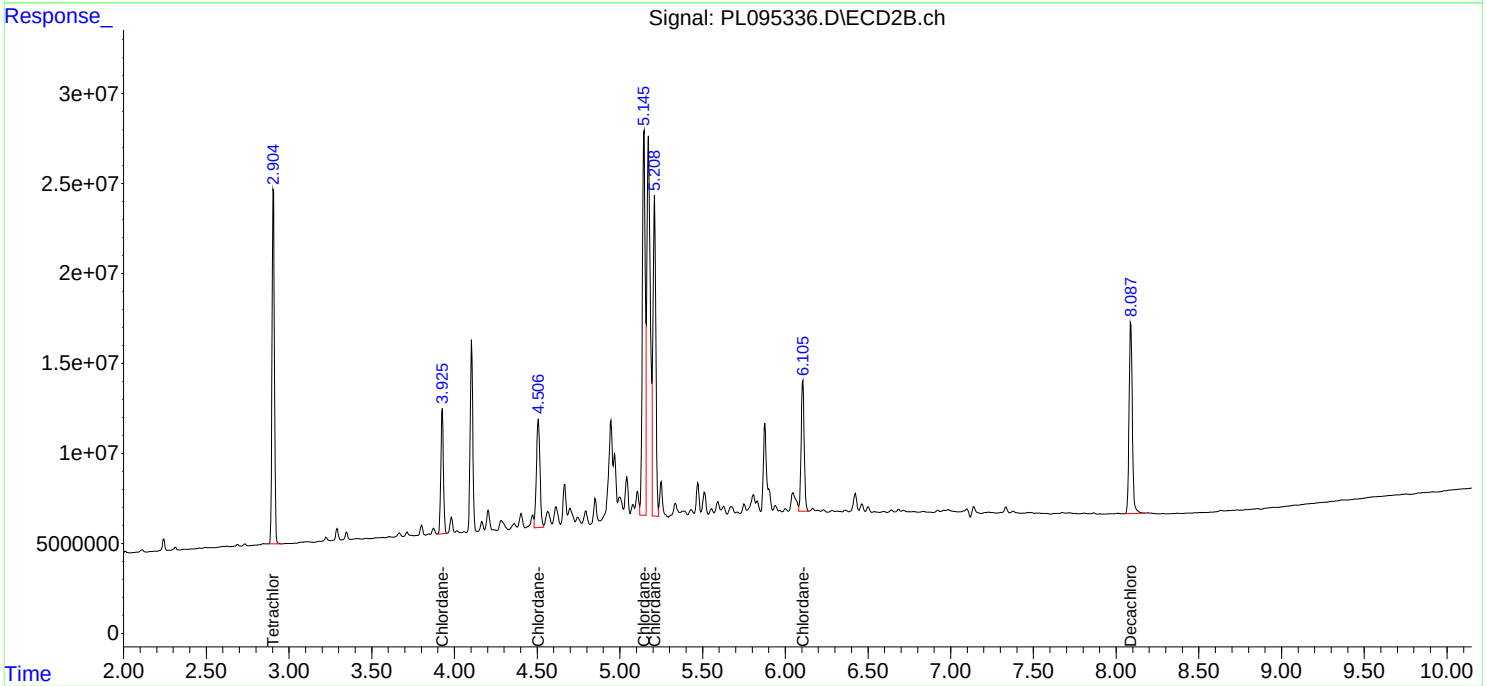
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 13:07
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 13:18:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 13:16:48 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 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...	3.594	2.905	170.6E6	165.2E6	50.000	50.000
7) SA	Decachlor...	9.120	8.087	144.3E6	152.4E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.288	5.165	14117602	12301124	500.000	500.000
3)	Toxaphene-2	6.488	5.493	19710754	11783269	500.000	500.000
4)	Toxaphene-3	7.102	5.853	48154475	12799809	500.000	500.000
5)	Toxaphene-4	7.194	6.770	35158460	38422565	500.000	500.000
6)	Toxaphene-5	7.974	7.211	24549107	27736717	500.000	500.000

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

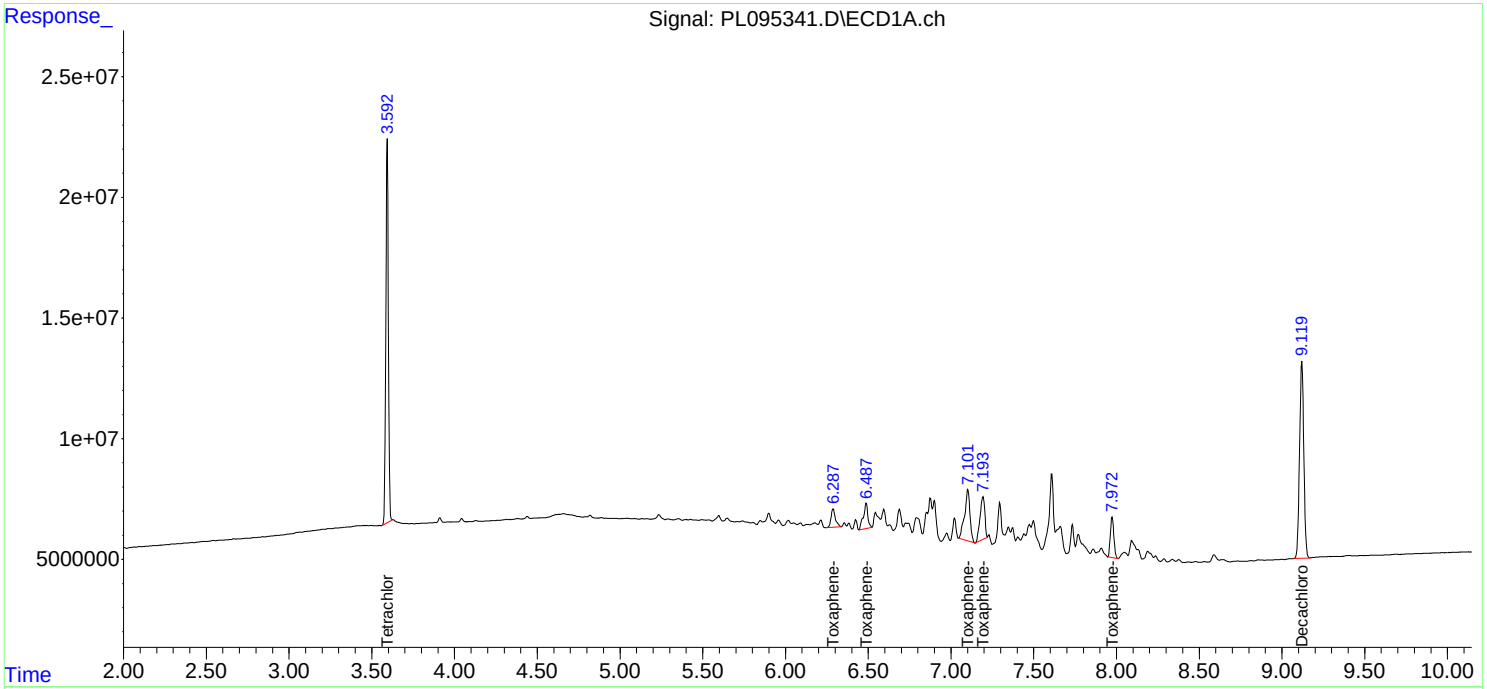
ICAL Form

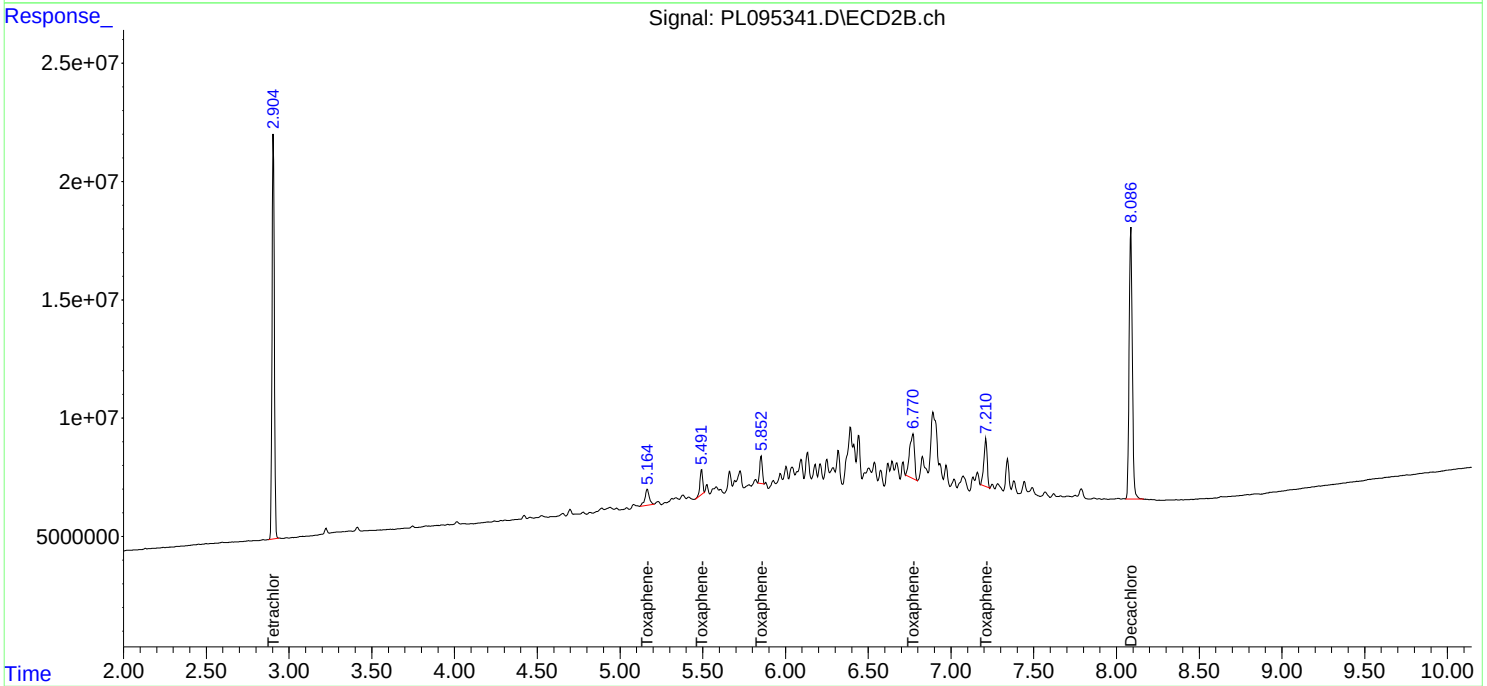
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095341.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 14:32
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:41:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:41:36 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : Rtx-CLPesticide 1 Signal #2 Phase: Rtx-CLPesticide 1
Signal #1 Info : 30M x 0.32mm x0.3 Signal #2 Info : 30M x 0.32mm x 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.594	2.905	154.4E6	154.0E6	47.297	48.427
28)	SA Decachlor...	9.120	8.087	130.3E6	142.7E6	47.035	48.231
	Target Compounds						
2)	A alpha-BHC	4.045	3.415	235.8E6	218.0E6	47.593	49.009
3)	MA gamma-BHC...	4.375	3.748	227.3E6	214.4E6	48.011m	48.752
4)	MA Heptachlor	4.974	4.103	213.7E6	210.0E6	46.727	48.192
5)	MB Aldrin	5.316	4.388	220.0E6	199.9E6	47.889	48.581
6)	B beta-BHC	4.562	4.042	94308785	98829555	45.614	47.609
7)	B delta-BHC	4.809	4.278	220.8E6	214.8E6	47.481m	49.029
8)	B Heptachlo...	5.737	4.891	190.5E6	186.4E6	47.572	48.260
9)	A Endosulfan I	6.120	5.264	183.5E6	176.9E6	48.325	48.341
10)	B gamma-Chl...	5.991	5.144	194.9E6	193.2E6	47.767	47.668
11)	B alpha-Chl...	6.072	5.208	197.5E6	190.6E6	48.568	47.882
12)	B 4,4'-DDE	6.241	5.394	188.3E6	193.3E6	48.037	47.532
13)	MA Dieldrin	6.394	5.529	186.0E6	193.7E6	48.243	47.616
14)	MA Endrin	6.621	5.804	154.5E6	169.0E6	48.521	46.407
15)	B Endosulfa...	6.833	6.094	157.6E6	173.0E6	49.361	48.167
16)	A 4,4'-DDD	6.751	5.947	140.1E6	158.3E6	49.490	48.446
17)	MA 4,4'-DDT	7.066	6.201	136.1E6	160.2E6	47.766	46.611
18)	B Endrin al...	6.962	6.272	111.9E6	125.2E6	48.203	47.895
19)	B Endosulfa...	7.195	6.496	134.2E6	159.2E6	47.903	47.991
20)	A Methoxychlor	7.538	6.772	65789961	87833349	47.157	46.048
21)	B Endrin ke...	7.677	7.002	138.2E6	175.4E6	48.469	49.801
22)	Mirex	8.158	7.197	113.5E6	137.9E6	47.769	47.828m

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 15:13
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

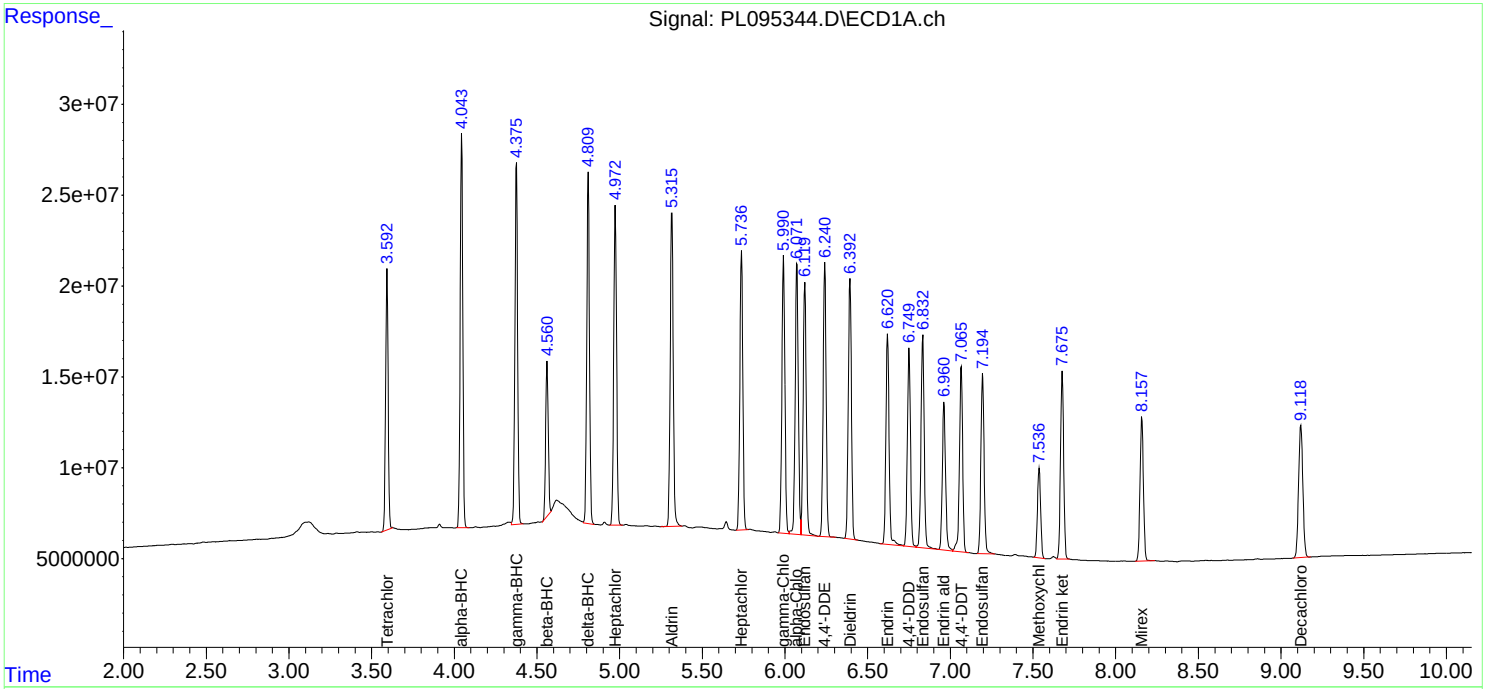
Instrument :
ECD_L
ClientSampleId :
ICVPL042325

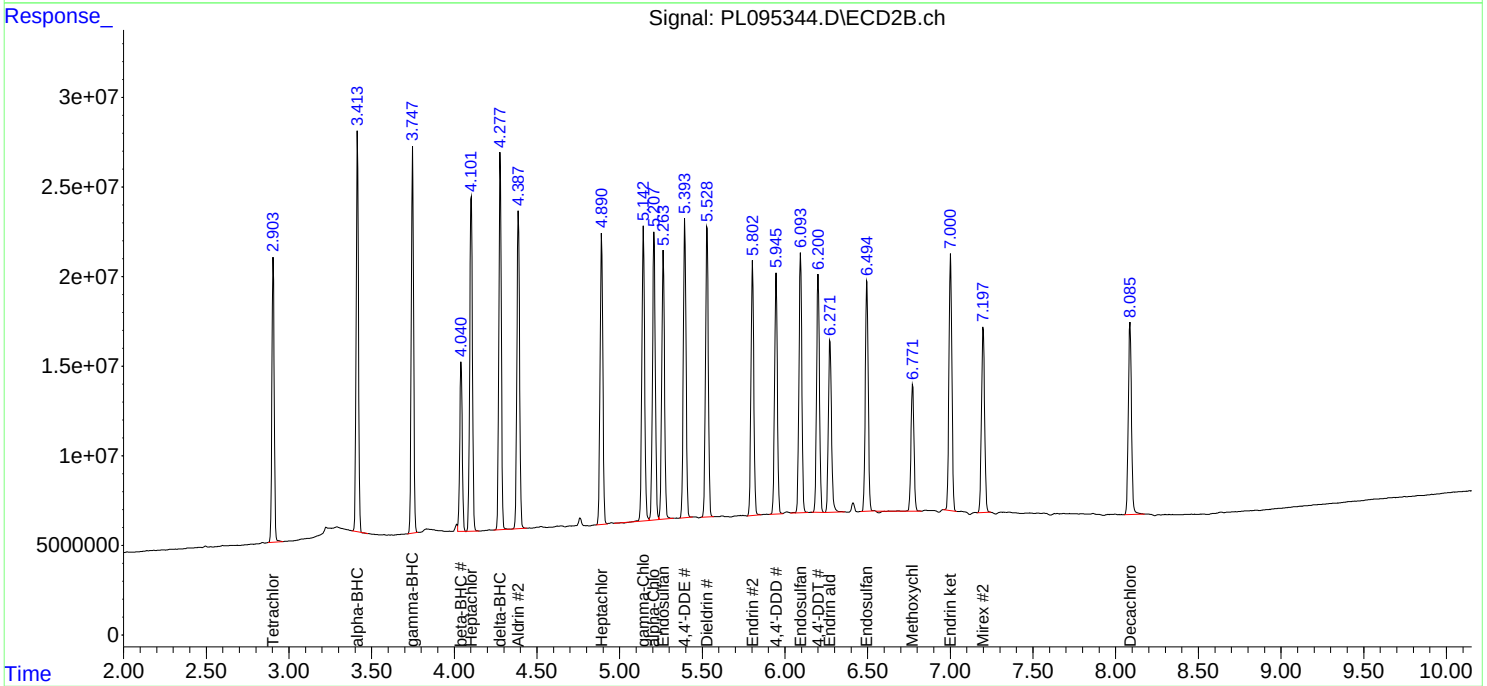
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 15:28:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:10
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:21:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:20:24 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.596	2.903	152.6E6	190.2E6	46.904	48.196
28)	SA Decachlor...	9.123	8.086	128.6E6	137.5E6	46.543	46.958
	Target Compounds						
23)	Chlordane-1	4.762	3.923	91188494	73325625	466.422	474.178
24)	Chlordane-2	5.287	4.505	99993513	86645710	472.301	470.827
25)	Chlordane-3	5.994	5.143	372.5E6	248.5E6	478.250	480.953
26)	Chlordane-4	6.079	5.207	452.8E6	208.8E6	480.167	480.372
27)	Chlordane-5	6.919	6.103	72166294	87351531	476.072	472.838

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

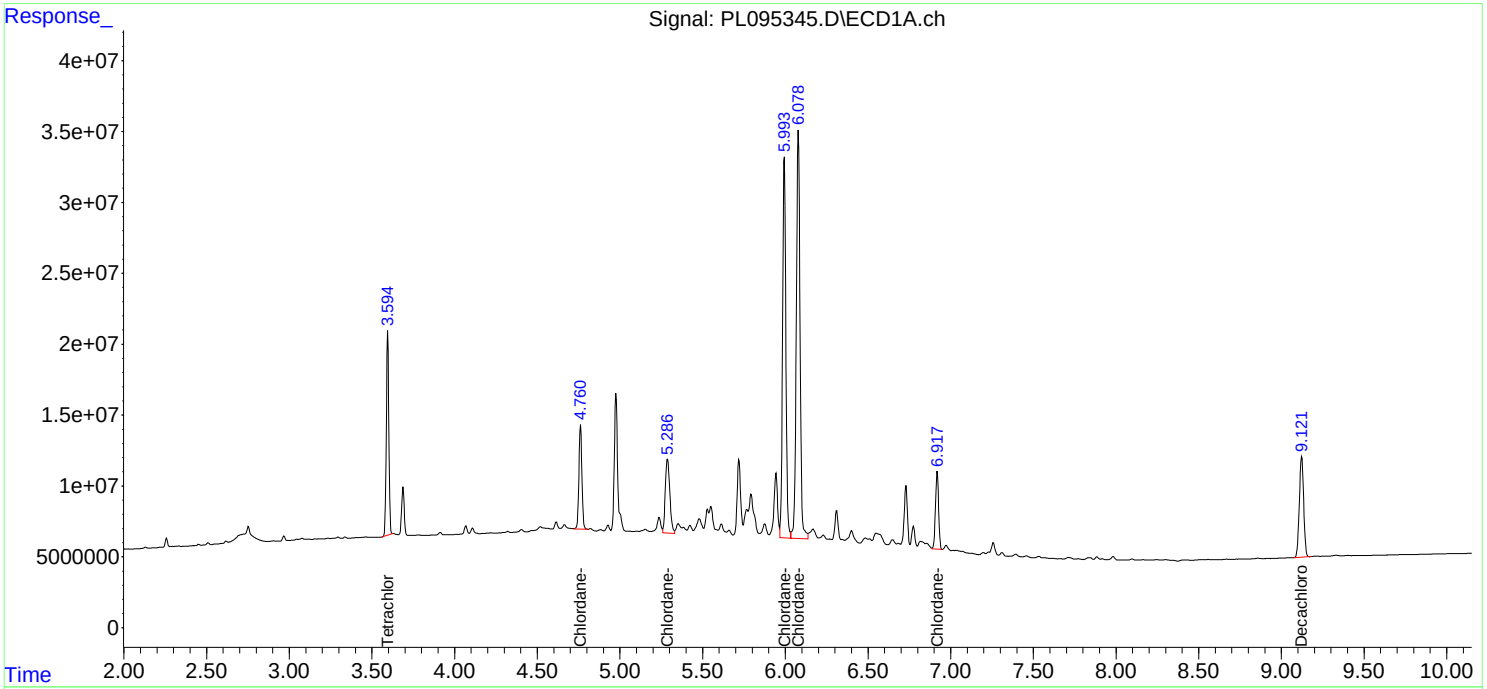
ICAL Form

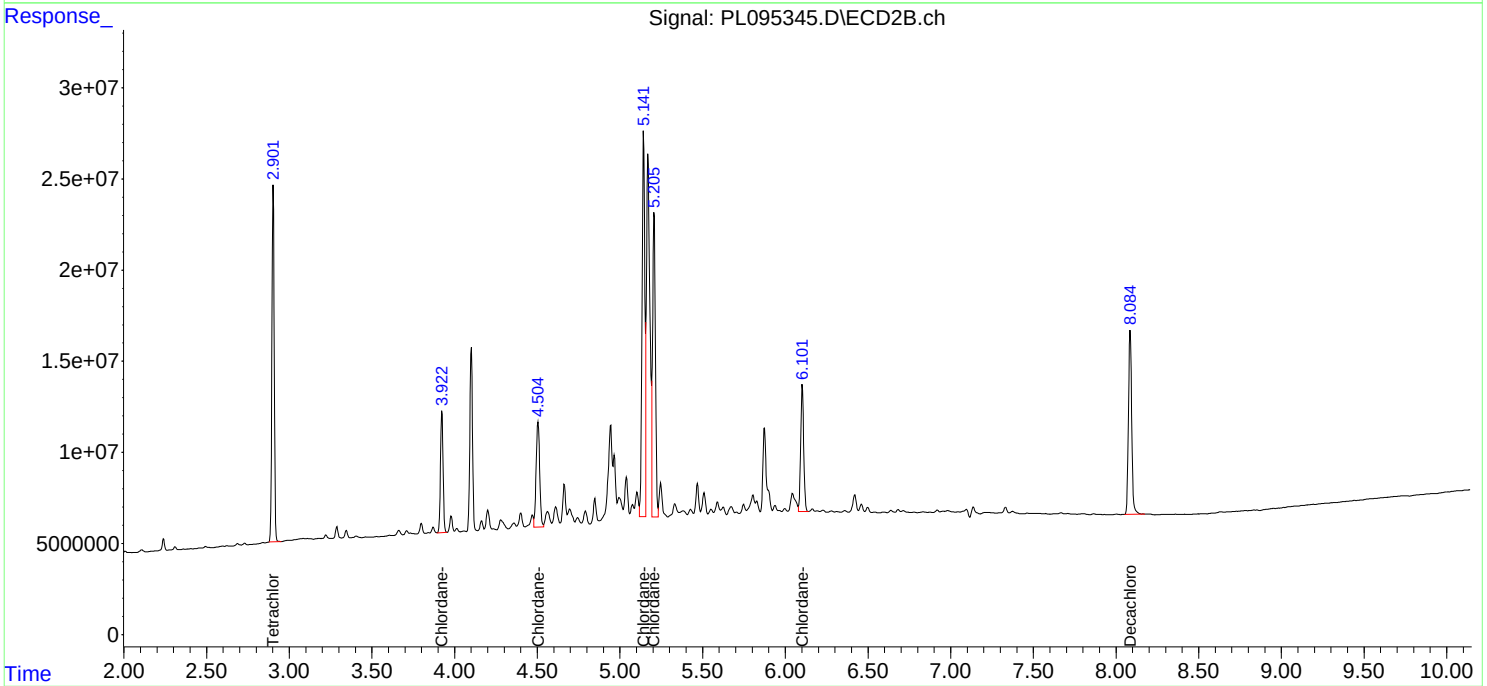
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095345.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 16:10
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL042325CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 16:21:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:20:24 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 x0.25µm





Raw Data: **PD088434.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:00 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.08	9.08	8.98	9.18	0.01
Tetrachloro-m-xylene	3.55	3.55	3.45	3.65	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.00
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.08	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.58	6.58	6.48	6.68	0.00
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.00
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088434.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 17:00 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW 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
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.49	6.49	6.39	6.59	0.00
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088434.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088434.D **Time Analyzed:** 17:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.706	6.606	6.806	56.580	50.000	13.2
4,4'-DDE	6.197	6.097	6.297	55.070	50.000	10.1
4,4'-DDT	7.022	6.922	7.122	55.680	50.000	11.4
Aldrin	5.272	5.173	5.373	55.840	50.000	11.7
alpha-BHC	4.000	3.901	4.101	56.080	50.000	12.2
alpha-Chlordane	6.028	5.929	6.129	55.480	50.000	11.0
beta-BHC	4.516	4.416	4.616	54.220	50.000	8.4
Decachlorobiphenyl	9.075	8.975	9.175	53.340	50.000	6.7
delta-BHC	4.764	4.665	4.865	55.650	50.000	11.3
Dieldrin	6.348	6.249	6.449	55.760	50.000	11.5
Endosulfan I	6.075	5.976	6.176	55.130	50.000	10.3
Endosulfan II	6.787	6.687	6.887	54.420	50.000	8.8
Endosulfan sulfate	7.150	7.050	7.250	55.170	50.000	10.3
Endrin	6.576	6.476	6.676	55.920	50.000	11.8
Endrin aldehyde	6.916	6.816	7.016	55.830	50.000	11.7
Endrin ketone	7.631	7.531	7.731	55.550	50.000	11.1
gamma-BHC (Lindane)	4.331	4.232	4.432	54.990	50.000	10.0
gamma-Chlordane	5.947	5.847	6.047	55.410	50.000	10.8
Heptachlor	4.930	4.831	5.031	55.690	50.000	11.4
Heptachlor epoxide	5.691	5.592	5.792	55.150	50.000	10.3
Methoxychlor	7.494	7.395	7.595	54.990	50.000	10.0
Tetrachloro-m-xylene	3.551	3.452	3.652	53.540	50.000	7.1

Raw Data: **PD088434.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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

Client Sample No.: CCAL01 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088434.D **Time Analyzed:** 17:00

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	52.600	50.000	5.2
4,4'-DDE	5.378	5.280	5.480	53.540	50.000	7.1
4,4'-DDT	6.186	6.088	6.288	53.240	50.000	6.5
Aldrin	4.371	4.273	4.473	52.680	50.000	5.4
alpha-BHC	3.395	3.296	3.496	51.780	50.000	3.6
alpha-Chlordane	5.193	5.094	5.294	51.660	50.000	3.3
beta-BHC	4.027	3.928	4.128	51.200	50.000	2.4
Decachlorobiphenyl	8.076	7.977	8.177	51.180	50.000	2.4
delta-BHC	4.264	4.165	4.365	52.070	50.000	4.1
Dieldrin	5.515	5.417	5.617	52.210	50.000	4.4
Endosulfan I	5.249	5.151	5.351	49.810	50.000	-0.4
Endosulfan II	6.082	5.984	6.184	51.940	50.000	3.9
Endosulfan sulfate	6.485	6.386	6.586	52.030	50.000	4.1
Endrin	5.791	5.693	5.893	52.470	50.000	4.9
Endrin aldehyde	6.261	6.163	6.363	52.440	50.000	4.9
Endrin ketone	6.994	6.895	7.095	52.050	50.000	4.1
gamma-BHC (Lindane)	3.731	3.633	3.833	51.100	50.000	2.2
gamma-Chlordane	5.128	5.030	5.230	51.820	50.000	3.6
Heptachlor	4.085	3.986	4.186	51.480	50.000	3.0
Heptachlor epoxide	4.875	4.777	4.977	51.660	50.000	3.3
Methoxychlor	6.757	6.659	6.859	52.930	50.000	5.9
Tetrachloro-m-xylene	2.882	2.783	2.983	51.060	50.000	2.1

Quantitation Report (QT Reviewed)

Sample Results: **PD088434.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:00
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 09 02:04:25 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...	3.551	2.882	106.9E6	746.5E6	53.540	51.057
28)	SA	Decachlor...	9.075	8.076	176.4E6	945.8E6	53.335	51.181
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	241.8E6	1183.8E6	56.082	51.782
3)	MA	gamma-BHC...	4.331	3.731	230.3E6	1100.7E6	54.987	51.103
4)	MA	Heptachlor	4.930	4.085	224.9E6	1101.6E6	55.692	51.481
5)	MB	Aldrin	5.272	4.371	220.6E6	1096.0E6	55.844	52.684
6)	B	beta-BHC	4.516	4.027	88021458	473.8E6	54.221	51.201
7)	B	delta-BHC	4.764	4.264	229.6E6	1107.1E6	55.649	52.070
8)	B	Heptachlo...	5.691	4.875	197.1E6	976.2E6	55.147	51.664
9)	A	Endosulfan I	6.075	5.249	186.2E6	897.2E6	55.125	49.811
10)	B	gamma-Chl...	5.947	5.128	200.7E6	1051.7E6	55.408	51.819
11)	B	alpha-Chl...	6.028	5.193	200.3E6	1012.7E6	55.479	51.660
12)	B	4,4'-DDE	6.197	5.378	181.6E6	1054.5E6	55.069	53.544
13)	MA	Dieldrin	6.348	5.515	199.0E6	1040.6E6	55.761	52.206
14)	MA	Endrin	6.576	5.791	166.8E6	955.0E6	55.920	52.466
15)	B	Endosulfa...	6.787	6.082	170.1E6	910.2E6	54.424	51.944
16)	A	4,4'-DDD	6.706	5.932	142.3E6	862.0E6	56.580	52.602
17)	MA	4,4'-DDT	7.022	6.186	154.7E6	906.0E6	55.685	53.243
18)	B	Endrin al...	6.916	6.261	128.9E6	697.5E6	55.834	52.443
19)	B	Endosulfa...	7.150	6.485	158.7E6	891.4E6	55.169	52.030
20)	A	Methoxychlor	7.494	6.757	82456577	482.8E6	54.988	52.935
21)	B	Endrin ke...	7.631	6.994	171.4E6	973.5E6	55.546	52.049
22)		Mirex	8.115	7.188	126.0E6	755.9E6	53.636	51.004

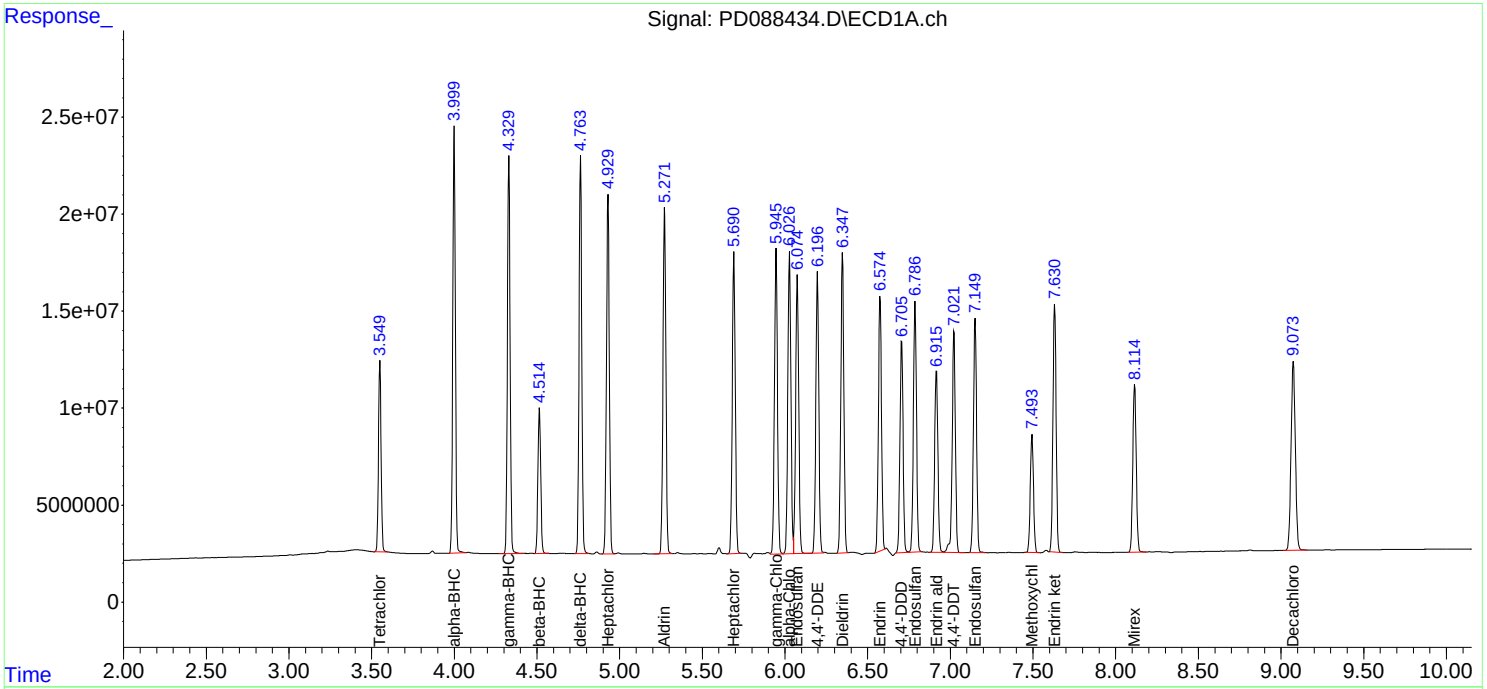
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

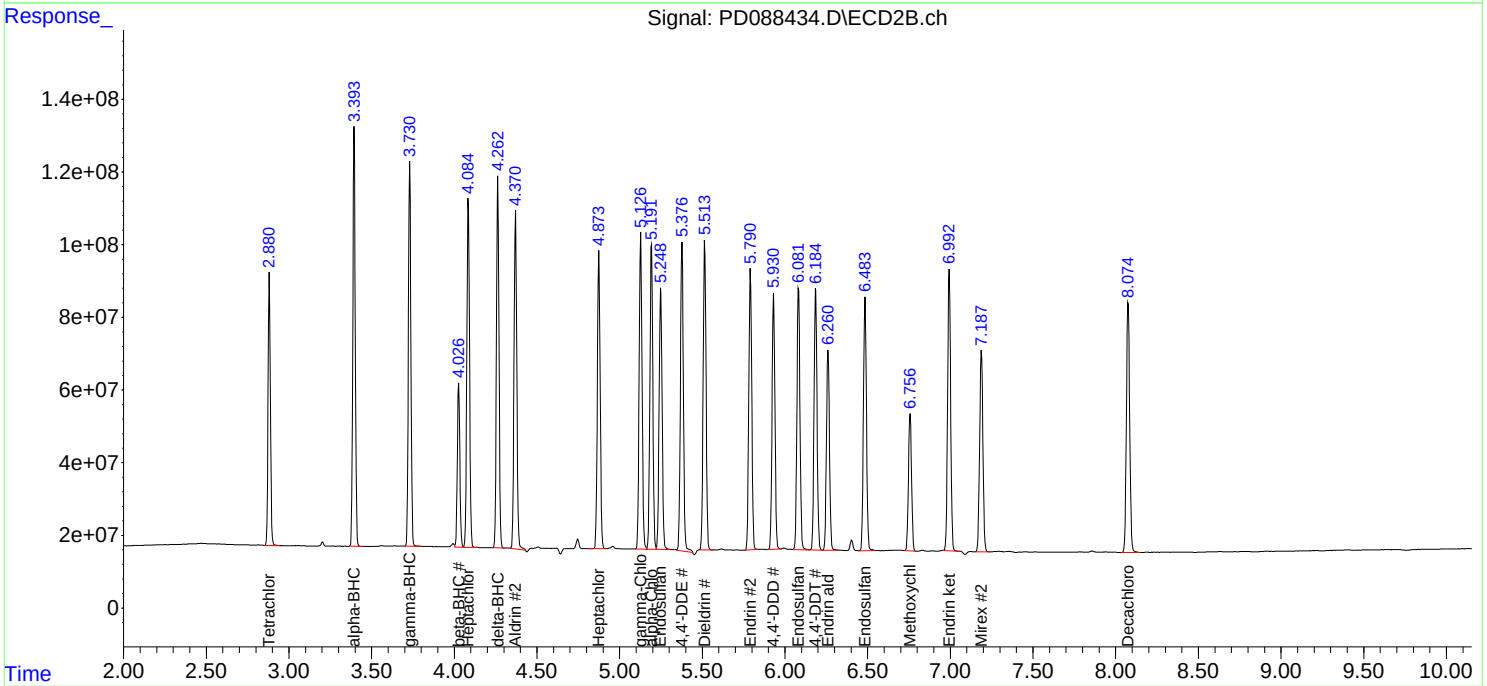
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:00
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:25 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





Raw Data: **PD088440.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 18:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW 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
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.52	4.52	4.42	4.62	0.01
delta-BHC	4.76	4.77	4.67	4.87	0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.93	4.93	4.83	5.03	0.00
Aldrin	5.27	5.27	5.17	5.37	0.00
Heptachlor epoxide	5.69	5.69	5.59	5.79	0.00
Endosulfan I	6.07	6.08	5.98	6.18	0.01
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.20	6.10	6.30	0.00
Endrin	6.57	6.58	6.48	6.68	0.01
Endosulfan II	6.79	6.79	6.69	6.89	0.00
4,4'-DDD	6.71	6.71	6.61	6.81	0.01
Endosulfan sulfate	7.15	7.15	7.05	7.25	0.00
4,4'-DDT	7.02	7.02	6.92	7.12	0.00
Methoxychlor	7.49	7.50	7.40	7.60	0.01
Endrin ketone	7.63	7.63	7.53	7.73	0.00
Endrin aldehyde	6.92	6.92	6.82	7.02	0.01
alpha-Chlordane	6.03	6.03	5.93	6.13	0.00
gamma-Chlordane	5.95	5.95	5.85	6.05	0.00

Raw Data: **PD088440.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/08/2025 **Initial Calibration Date(s):** 04/18/2025 04/18/2025

Continuing Calib Time: 18:22 **Initial Calibration Time(s):** 13:56 14:51

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.08	8.08	7.98	8.18	0.01
Tetrachloro-m-xylene	2.88	2.88	2.78	2.98	0.00
alpha-BHC	3.40	3.40	3.30	3.50	0.01
beta-BHC	4.03	4.03	3.93	4.13	0.00
delta-BHC	4.26	4.27	4.17	4.37	0.01
gamma-BHC (Lindane)	3.73	3.73	3.63	3.83	0.00
Heptachlor	4.09	4.09	3.99	4.19	0.00
Aldrin	4.37	4.37	4.27	4.47	0.00
Heptachlor epoxide	4.88	4.88	4.78	4.98	0.00
Endosulfan I	5.25	5.25	5.15	5.35	0.00
Dieldrin	5.52	5.52	5.42	5.62	0.01
4,4'-DDE	5.38	5.38	5.28	5.48	0.00
Endrin	5.79	5.79	5.69	5.89	0.00
Endosulfan II	6.08	6.08	5.98	6.18	0.00
4,4'-DDD	5.93	5.93	5.83	6.03	0.00
Endosulfan sulfate	6.48	6.49	6.39	6.59	0.01
4,4'-DDT	6.19	6.19	6.09	6.29	0.00
Methoxychlor	6.76	6.76	6.66	6.86	0.00
Endrin ketone	6.99	7.00	6.90	7.10	0.01
Endrin aldehyde	6.26	6.26	6.16	6.36	0.00
alpha-Chlordane	5.19	5.19	5.09	5.29	0.00
gamma-Chlordane	5.13	5.13	5.03	5.23	0.00

Raw Data: **PD088440.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088440.D **Time Analyzed:** 18:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.705	6.606	6.806	55.120	50.000	10.2
4,4'-DDE	6.196	6.097	6.297	53.580	50.000	7.2
4,4'-DDT	7.021	6.922	7.122	54.480	50.000	9.0
Aldrin	5.271	5.173	5.373	54.580	50.000	9.2
alpha-BHC	4.000	3.901	4.101	54.730	50.000	9.5
alpha-Chlordane	6.027	5.929	6.129	54.110	50.000	8.2
beta-BHC	4.515	4.416	4.616	52.990	50.000	6.0
Decachlorobiphenyl	9.074	8.975	9.175	52.380	50.000	4.8
delta-BHC	4.763	4.665	4.865	54.300	50.000	8.6
Dieldrin	6.347	6.249	6.449	54.450	50.000	8.9
Endosulfan I	6.074	5.976	6.176	53.850	50.000	7.7
Endosulfan II	6.786	6.687	6.887	53.120	50.000	6.2
Endosulfan sulfate	7.150	7.050	7.250	53.970	50.000	7.9
Endrin	6.574	6.476	6.676	54.410	50.000	8.8
Endrin aldehyde	6.915	6.816	7.016	54.450	50.000	8.9
Endrin ketone	7.630	7.531	7.731	54.500	50.000	9.0
gamma-BHC (Lindane)	4.330	4.232	4.432	53.830	50.000	7.7
gamma-Chlordane	5.946	5.847	6.047	53.960	50.000	7.9
Heptachlor	4.930	4.831	5.031	54.600	50.000	9.2
Heptachlor epoxide	5.691	5.592	5.792	53.570	50.000	7.1
Methoxychlor	7.493	7.395	7.595	53.870	50.000	7.7
Tetrachloro-m-xylene	3.550	3.452	3.652	52.440	50.000	4.9

Raw Data: **PD088440.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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

Client Sample No.: CCAL02 **Date Analyzed:** 05/08/2025

Lab Sample No.: PSTDCCC050 **Data File :** PD088440.D **Time Analyzed:** 18:22

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.932	5.834	6.034	51.020	50.000	2.0
4,4'-DDE	5.376	5.280	5.480	50.630	50.000	1.3
4,4'-DDT	6.186	6.088	6.288	51.610	50.000	3.2
Aldrin	4.371	4.273	4.473	51.050	50.000	2.1
alpha-BHC	3.395	3.296	3.496	50.150	50.000	0.3
alpha-Chlordane	5.192	5.094	5.294	50.030	50.000	0.1
beta-BHC	4.027	3.928	4.128	49.560	50.000	-0.9
Decachlorobiphenyl	8.075	7.977	8.177	49.950	50.000	-0.1
delta-BHC	4.264	4.165	4.365	50.480	50.000	1.0
Dieldrin	5.515	5.417	5.617	50.490	50.000	1.0
Endosulfan I	5.249	5.151	5.351	48.260	50.000	-3.5
Endosulfan II	6.082	5.984	6.184	50.330	50.000	0.7
Endosulfan sulfate	6.484	6.386	6.586	50.330	50.000	0.7
Endrin	5.791	5.693	5.893	50.750	50.000	1.5
Endrin aldehyde	6.260	6.163	6.363	50.650	50.000	1.3
Endrin ketone	6.994	6.895	7.095	50.560	50.000	1.1
gamma-BHC (Lindane)	3.731	3.633	3.833	49.490	50.000	-1.0
gamma-Chlordane	5.128	5.030	5.230	50.160	50.000	0.3
Heptachlor	4.085	3.986	4.186	49.730	50.000	-0.5
Heptachlor epoxide	4.875	4.777	4.977	50.030	50.000	0.1
Methoxychlor	6.757	6.659	6.859	51.320	50.000	2.6
Tetrachloro-m-xylene	2.882	2.783	2.983	49.450	50.000	-1.1

Quantitation Report (QT Reviewed)

Sample Results: **PD088440.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 18:22
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 09 02:05:47 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	104.7E6	723.0E6	52.436	49.450
28)	SA	Decachlor...	9.074	8.075	173.3E6	923.0E6	52.382	49.946
		Target Compounds						
2)	A	alpha-BHC	4.000	3.395	236.0E6	1146.5E6	54.731	50.151
3)	MA	gamma-BHC...	4.330	3.731	225.4E6	1065.9E6	53.828	49.486
4)	MA	Heptachlor	4.930	4.085	220.5E6	1064.2E6	54.598	49.733
5)	MB	Aldrin	5.271	4.371	215.6E6	1061.9E6	54.582	51.048
6)	B	beta-BHC	4.515	4.027	86030317	458.6E6	52.995	49.559
7)	B	delta-BHC	4.763	4.264	224.0E6	1073.2E6	54.298	50.478
8)	B	Heptachlo...	5.691	4.875	191.5E6	945.4E6	53.570	50.035
9)	A	Endosulfan I	6.074	5.249	181.8E6	869.3E6	53.846	48.263
10)	B	gamma-Chl...	5.946	5.128	195.4E6	1018.1E6	53.960	50.161
11)	B	alpha-Chl...	6.027	5.192	195.3E6	980.7E6	54.107	50.031
12)	B	4,4'-DDE	6.196	5.376	176.7E6	997.1E6	53.581	50.628m
13)	MA	Dieldrin	6.347	5.515	194.3E6	1006.5E6	54.455	50.493
14)	MA	Endrin	6.574	5.791	162.3E6	923.7E6	54.410	50.747
15)	B	Endosulfa...	6.786	6.082	166.1E6	881.9E6	53.121	50.333
16)	A	4,4'-DDD	6.705	5.932	138.6E6	836.0E6	55.125	51.019
17)	MA	4,4'-DDT	7.021	6.186	151.3E6	878.2E6	54.480	51.608
18)	B	Endrin al...	6.915	6.260	125.7E6	673.7E6	54.448	50.654
19)	B	Endosulfa...	7.150	6.484	155.2E6	862.3E6	53.970	50.331
20)	A	Methoxychlor	7.493	6.757	80777496	468.1E6	53.868	51.317
21)	B	Endrin ke...	7.630	6.994	168.2E6	945.6E6	54.496	50.557
22)		Mirex	8.114	7.188	123.8E6	734.2E6	52.718	49.540

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

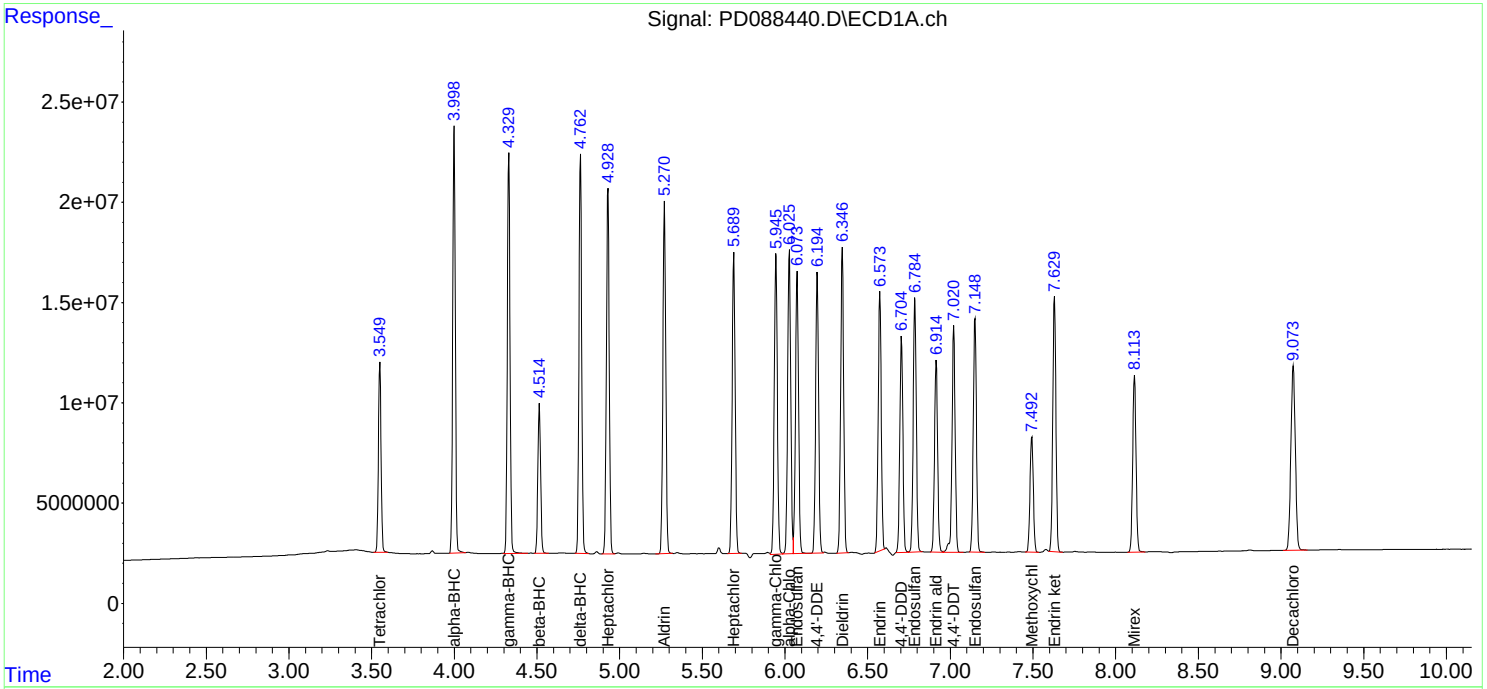
Sample Results: **PD088440.D**

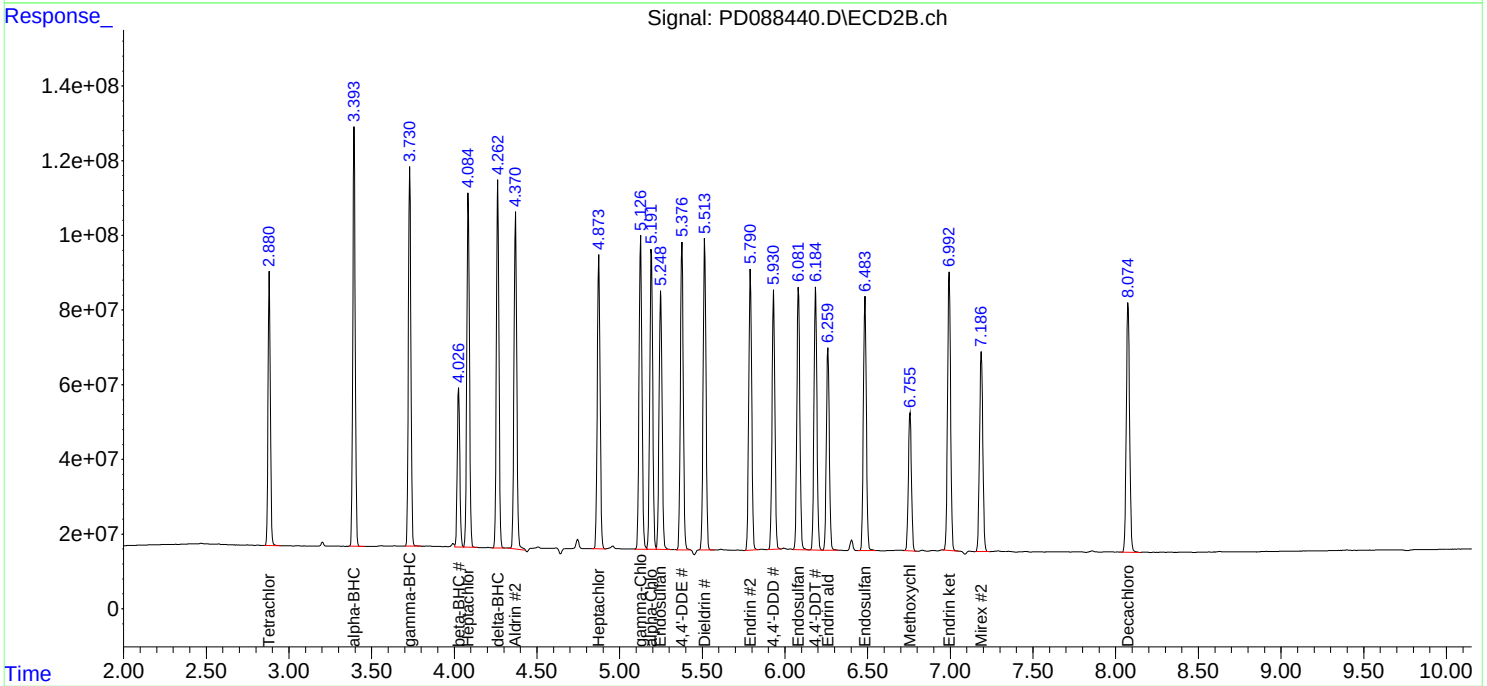
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088440.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 18:22
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:47 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





Raw Data: **PL095562.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:51 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00

Raw Data: **PL095562.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 12:51 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.29	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.76	3.75	3.65	3.85	-0.01
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

Raw Data: **PL095562.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095562.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.750	6.653	6.853	47.930	50.000	-4.1
4,4'-DDE	6.241	6.143	6.343	44.580	50.000	-10.8
4,4'-DDT	7.065	6.969	7.169	46.230	50.000	-7.5
Aldrin	5.317	5.218	5.418	45.200	50.000	-9.6
alpha-BHC	4.046	3.946	4.146	42.420	50.000	-15.2
alpha-Chlordane	6.072	5.975	6.175	46.510	50.000	-7.0
beta-BHC	4.563	4.464	4.664	42.780	50.000	-14.4
Decachlorobiphenyl	9.119	9.022	9.222	43.410	50.000	-13.2
delta-BHC	4.810	4.712	4.912	43.730	50.000	-12.5
Dieldrin	6.394	6.296	6.496	45.950	50.000	-8.1
Endosulfan I	6.120	6.023	6.223	45.890	50.000	-8.2
Endosulfan II	6.832	6.735	6.935	49.680	50.000	-0.6
Endosulfan sulfate	7.195	7.098	7.298	47.500	50.000	-5.0
Endrin	6.620	6.523	6.723	46.610	50.000	-6.8
Endrin aldehyde	6.961	6.864	7.064	47.100	50.000	-5.8
Endrin ketone	7.677	7.579	7.779	46.190	50.000	-7.6
gamma-BHC (Lindane)	4.376	4.277	4.477	42.940	50.000	-14.1
gamma-Chlordane	5.991	5.894	6.094	47.060	50.000	-5.9
Heptachlor	4.975	4.876	5.076	43.410	50.000	-13.2
Heptachlor epoxide	5.736	5.639	5.839	47.050	50.000	-5.9
Methoxychlor	7.537	7.440	7.640	45.900	50.000	-8.2
Tetrachloro-m-xylene	3.595	3.495	3.695	42.360	50.000	-15.3

Raw Data: **PL095562.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL03 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095562.D **Time Analyzed:** 12:51

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	54.080	50.000	8.2
4,4'-DDE	5.399	5.297	5.497	51.030	50.000	2.1
4,4'-DDT	6.206	6.104	6.304	53.070	50.000	6.1
Aldrin	4.393	4.290	4.490	53.940	50.000	7.9
alpha-BHC	3.422	3.316	3.516	55.360	50.000	10.7
alpha-Chlordane	5.214	5.111	5.311	52.930	50.000	5.9
beta-BHC	4.049	3.944	4.144	52.020	50.000	4.0
Decachlorobiphenyl	8.090	7.989	8.189	45.640	50.000	-8.7
delta-BHC	4.285	4.180	4.380	54.260	50.000	8.5
Dieldrin	5.534	5.432	5.632	54.340	50.000	8.7
Endosulfan I	5.270	5.167	5.367	47.690	50.000	-4.6
Endosulfan II	6.100	5.997	6.197	51.990	50.000	4.0
Endosulfan sulfate	6.502	6.398	6.598	51.270	50.000	2.5
Endrin	5.809	5.707	5.907	55.690	50.000	11.4
Endrin aldehyde	6.278	6.175	6.375	52.000	50.000	4.0
Endrin ketone	7.007	6.904	7.104	58.750	50.000	17.5
gamma-BHC (Lindane)	3.755	3.650	3.850	53.480	50.000	7.0
gamma-Chlordane	5.149	5.047	5.247	52.660	50.000	5.3
Heptachlor	4.109	4.004	4.204	51.890	50.000	3.8
Heptachlor epoxide	4.897	4.793	4.993	52.620	50.000	5.2
Methoxychlor	6.775	6.675	6.875	51.610	50.000	3.2
Tetrachloro-m-xylene	2.912	2.806	3.006	50.590	50.000	1.2

Quantitation Report (QT Reviewed)

Sample Results: **PL095562.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 12:51
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.595	2.912	138.3E6	160.9E6	42.359	50.589
28) SA	Decachlor...	9.119	8.090	120.3E6	135.1E6	43.407	45.643
	Target Compounds						
2) A	alpha-BHC	4.046	3.422	210.1E6	246.3E6	42.415	55.356 #
3) MA	gamma-BHC...	4.376	3.755	203.3E6	235.2E6	42.937m	53.481
4) MA	Heptachlor	4.975	4.109	198.6E6	226.1E6	43.411	51.894
5) MB	Aldrin	5.317	4.393	207.6E6	222.0E6	45.203	53.937m
6) B	beta-BHC	4.563	4.049	88440179	108.0E6	42.776	52.017
7) B	delta-BHC	4.810	4.285	203.4E6	237.8E6	43.735m	54.260
8) B	Heptachlo...	5.736	4.897	188.5E6	203.2E6	47.054m	52.615
9) A	Endosulfan I	6.120	5.270	174.3E6	174.6E6	45.892m	47.692
10) B	gamma-Chl...	5.991	5.149	192.0E6	213.4E6	47.058m	52.660
11) B	alpha-Chl...	6.072	5.214	189.1E6	210.7E6	46.508m	52.925
12) B	4,4'-DDE	6.241	5.399	174.8E6	207.5E6	44.581m	51.026m
13) MA	Dieldrin	6.394	5.534	177.1E6	221.0E6	45.953	54.344m
14) MA	Endrin	6.620	5.809	148.5E6	202.8E6	46.613m	55.694m
15) B	Endosulfa...	6.832	6.100	158.6E6	186.7E6	49.678m	51.986
16) A	4,4'-DDD	6.750	5.952	135.7E6	176.7E6	47.933m	54.076
17) MA	4,4'-DDT	7.065	6.206	131.7E6	182.3E6	46.228m	53.067
18) B	Endrin al...	6.961	6.278	109.3E6	135.9E6	47.105m	52.000
19) B	Endosulfa...	7.195	6.502	133.1E6	170.1E6	47.504	51.269
20) A	Methoxychlor	7.537	6.775	64041679	98447639	45.904	51.613m
21) B	Endrin ke...	7.677	7.007	131.7E6	206.9E6	46.186	58.748m#
22)	Mirex	8.158	7.203	108.6E6	146.0E6	45.703	50.640m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 12:51
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

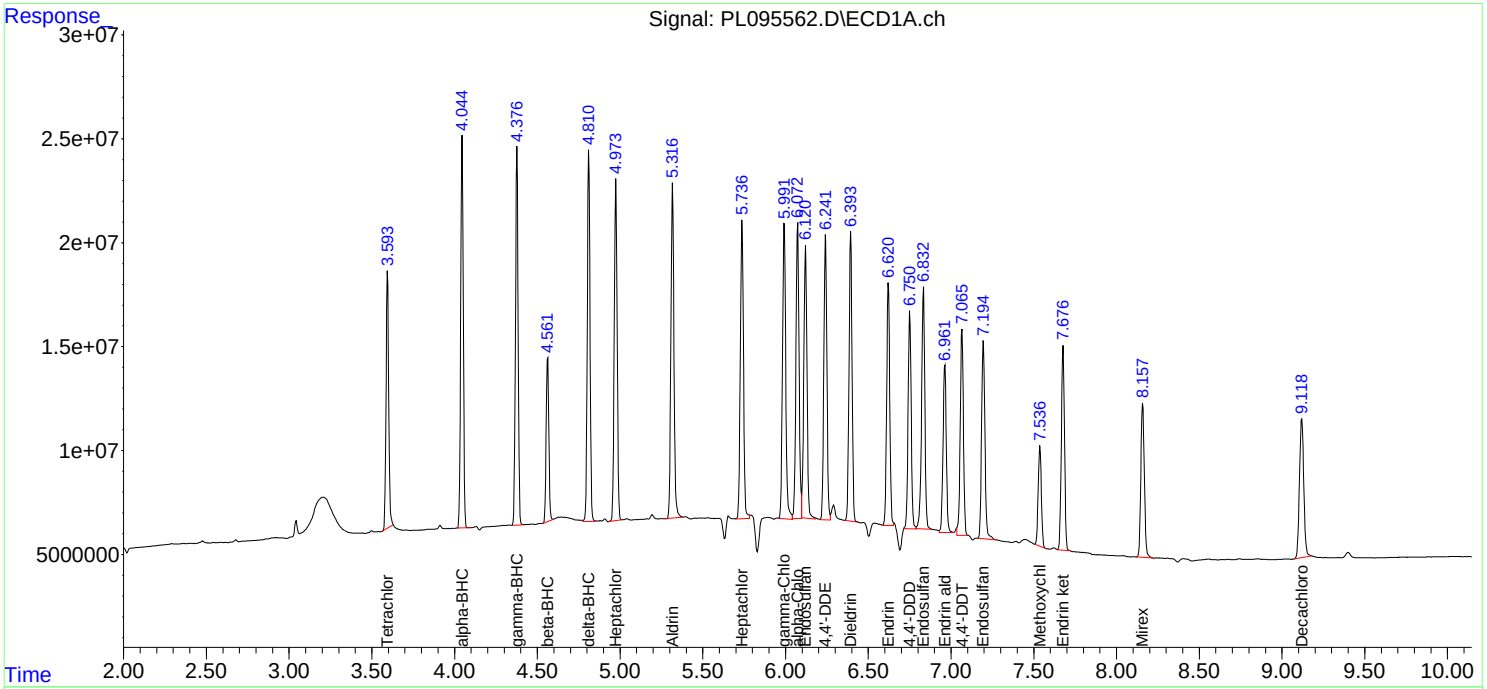
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

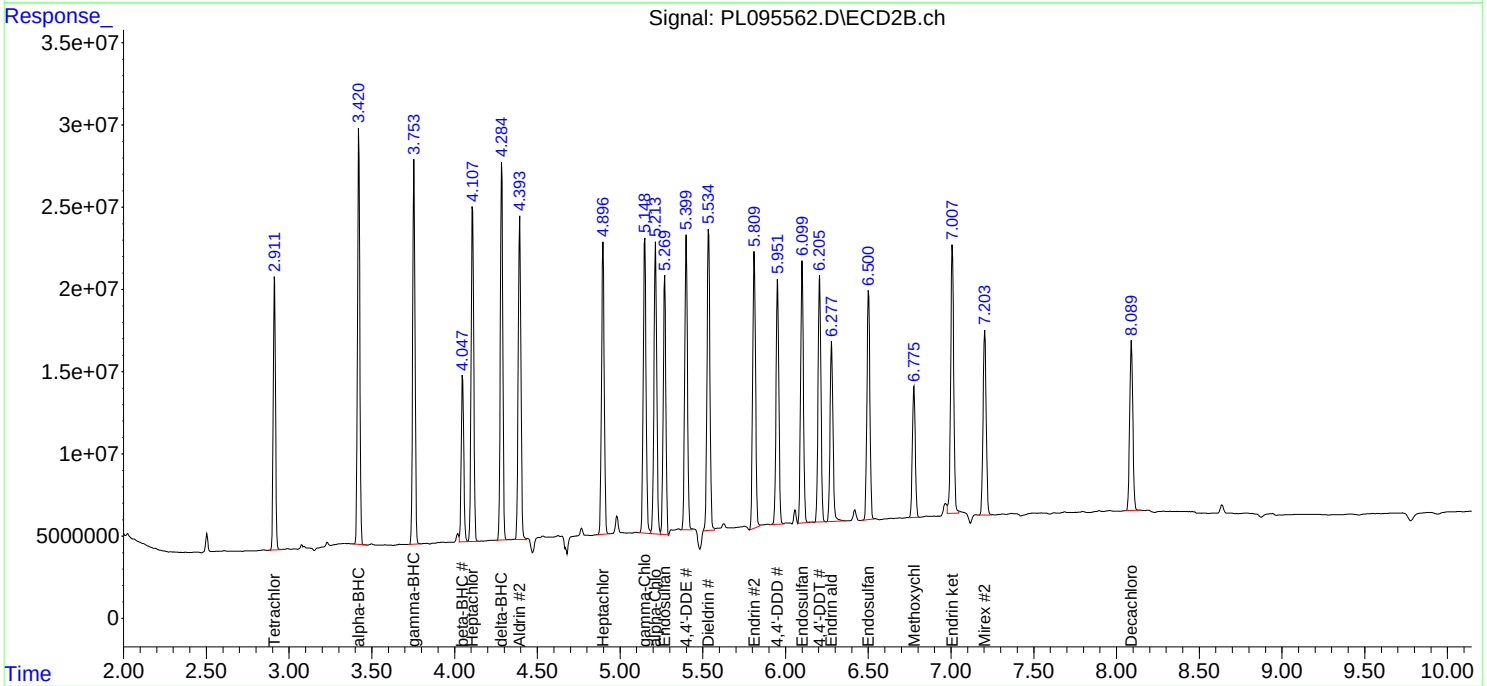
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





Raw Data: **PL095567.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.60	3.60	3.50	3.70	0.00
alpha-BHC	4.05	4.05	3.95	4.15	0.00
beta-BHC	4.57	4.56	4.46	4.66	-0.01
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.38	4.38	4.28	4.48	0.00
Heptachlor	4.98	4.98	4.88	5.08	0.00
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.40	6.40	6.30	6.50	0.00
4,4'-DDE	6.25	6.24	6.14	6.34	0.00
Endrin	6.63	6.62	6.52	6.72	-0.01
Endosulfan II	6.84	6.84	6.74	6.94	0.00
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.20	7.20	7.10	7.30	0.00
4,4'-DDT	7.07	7.07	6.97	7.17	0.00
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.97	6.96	6.86	7.06	-0.01
alpha-Chlordane	6.08	6.08	5.98	6.18	0.00
gamma-Chlordane	6.00	5.99	5.89	6.09	-0.01

Raw Data: **PL095567.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 16:37 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.28	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.75	3.75	3.65	3.85	0.00
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.53	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

Raw Data: **PL095567.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095567.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.754	6.653	6.853	46.660	50.000	-6.7
4,4'-DDE	6.245	6.143	6.343	46.650	50.000	-6.7
4,4'-DDT	7.070	6.969	7.169	44.100	50.000	-11.8
Aldrin	5.321	5.218	5.418	44.920	50.000	-10.2
alpha-BHC	4.049	3.946	4.146	42.200	50.000	-15.6
alpha-Chlordane	6.076	5.975	6.175	46.090	50.000	-7.8
beta-BHC	4.566	4.464	4.664	42.620	50.000	-14.8
Decachlorobiphenyl	9.124	9.022	9.222	42.350	50.000	-15.3
delta-BHC	4.813	4.712	4.912	42.250	50.000	-15.5
Dieldrin	6.398	6.296	6.496	44.760	50.000	-10.5
Endosulfan I	6.124	6.023	6.223	45.940	50.000	-8.1
Endosulfan II	6.837	6.735	6.935	46.120	50.000	-7.8
Endosulfan sulfate	7.199	7.098	7.298	45.280	50.000	-9.4
Endrin	6.625	6.523	6.723	42.070	50.000	-15.9
Endrin aldehyde	6.966	6.864	7.064	44.530	50.000	-10.9
Endrin ketone	7.681	7.579	7.779	45.560	50.000	-8.9
gamma-BHC (Lindane)	4.379	4.277	4.477	42.250	50.000	-15.5
gamma-Chlordane	5.996	5.894	6.094	46.750	50.000	-6.5
Heptachlor	4.979	4.876	5.076	42.540	50.000	-14.9
Heptachlor epoxide	5.741	5.639	5.839	46.520	50.000	-7.0
Methoxychlor	7.540	7.440	7.640	43.030	50.000	-13.9
Tetrachloro-m-xylene	3.596	3.495	3.695	44.430	50.000	-11.1

Raw Data: **PL095567.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL04 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095567.D **Time Analyzed:** 16:37

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	56.560	50.000	13.1
4,4'-DDE	5.399	5.297	5.497	53.230	50.000	6.5
4,4'-DDT	6.206	6.104	6.304	53.990	50.000	8.0
Aldrin	4.392	4.290	4.490	55.460	50.000	10.9
alpha-BHC	3.419	3.316	3.516	56.680	50.000	13.4
alpha-Chlordane	5.213	5.111	5.311	53.380	50.000	6.8
beta-BHC	4.047	3.944	4.144	52.080	50.000	4.2
Decachlorobiphenyl	8.091	7.989	8.189	46.810	50.000	-6.4
delta-BHC	4.283	4.180	4.380	55.870	50.000	11.7
Dieldrin	5.534	5.432	5.632	54.500	50.000	9.0
Endosulfan I	5.269	5.167	5.367	55.010	50.000	10.0
Endosulfan II	6.100	5.997	6.197	54.330	50.000	8.7
Endosulfan sulfate	6.502	6.398	6.598	53.380	50.000	6.8
Endrin	5.810	5.707	5.907	53.640	50.000	7.3
Endrin aldehyde	6.278	6.175	6.375	53.250	50.000	6.5
Endrin ketone	7.007	6.904	7.104	57.570	50.000	15.1
gamma-BHC (Lindane)	3.752	3.650	3.850	54.620	50.000	9.2
gamma-Chlordane	5.149	5.047	5.247	53.610	50.000	7.2
Heptachlor	4.107	4.004	4.204	53.010	50.000	6.0
Heptachlor epoxide	4.896	4.793	4.993	54.060	50.000	8.1
Methoxychlor	6.776	6.675	6.875	51.400	50.000	2.8
Tetrachloro-m-xylene	2.909	2.806	3.006	52.270	50.000	4.5

Quantitation Report (QT Reviewed)

Sample Results: **PL095567.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 16:37
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.596	2.909	145.0E6	166.2E6	44.429m	52.266
28) SA	Decachlor...	9.124	8.091	117.4E6	138.5E6	42.353	46.812
	Target Compounds						
2) A	alpha-BHC	4.049	3.419	209.0E6	252.2E6	42.195	56.681 #
3) MA	gamma-BHC...	4.379	3.752	200.0E6	240.2E6	42.252m	54.622 #
4) MA	Heptachlor	4.979	4.107	194.6E6	230.9E6	42.539	53.005
5) MB	Aldrin	5.321	4.392	206.3E6	228.2E6	44.920	55.456
6) B	beta-BHC	4.566	4.047	88108572	108.1E6	42.616	52.080
7) B	delta-BHC	4.813	4.283	196.5E6	244.8E6	42.252m	55.866 #
8) B	Heptachlo...	5.741	4.896	186.3E6	208.8E6	46.518	54.059
9) A	Endosulfan I	6.124	5.269	174.5E6	201.4E6	45.941	55.009
10) B	gamma-Chl...	5.996	5.149	190.7E6	217.3E6	46.750	53.611
11) B	alpha-Chl...	6.076	5.213	187.4E6	212.5E6	46.090	53.379
12) B	4,4'-DDE	6.245	5.399	182.9E6	216.5E6	46.653	53.232
13) MA	Dieldrin	6.398	5.534	172.5E6	221.7E6	44.759	54.500
14) MA	Endrin	6.625	5.810	134.0E6	195.3E6	42.069	53.644 #
15) B	Endosulfa...	6.837	6.100	147.2E6	195.1E6	46.122	54.328
16) A	4,4'-DDD	6.754	5.952	132.1E6	184.8E6	46.656	56.563
17) MA	4,4'-DDT	7.070	6.206	125.6E6	185.5E6	44.100	53.989
18) B	Endrin al...	6.966	6.278	103.3E6	139.2E6	44.532	53.250
19) B	Endosulfa...	7.199	6.502	126.9E6	177.1E6	45.281	53.379
20) A	Methoxychlor	7.540	6.776	60039251	98039780	43.035	51.399
21) B	Endrin ke...	7.681	7.007	129.9E6	202.7E6	45.563	57.569 #
22)	Mirex	8.162	7.203	105.5E6	149.5E6	44.422	51.879m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 16:37
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

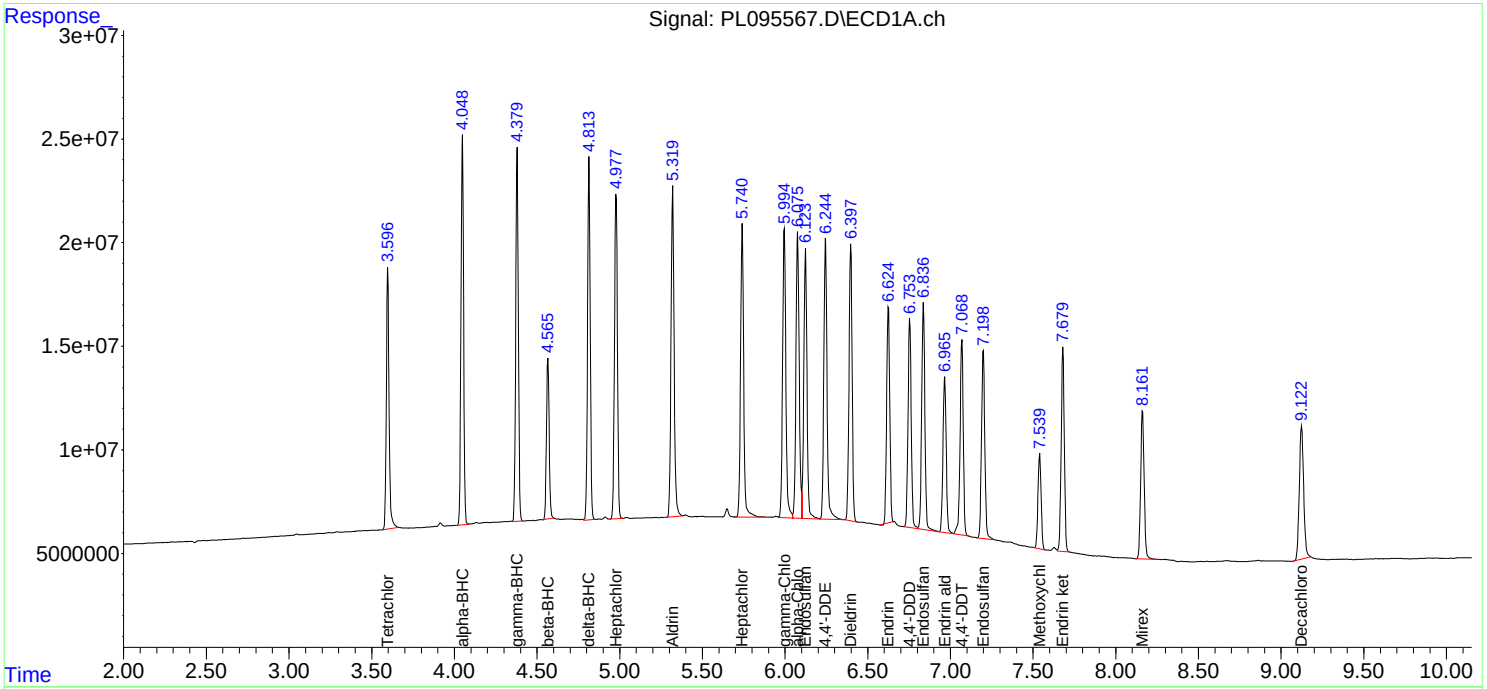
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

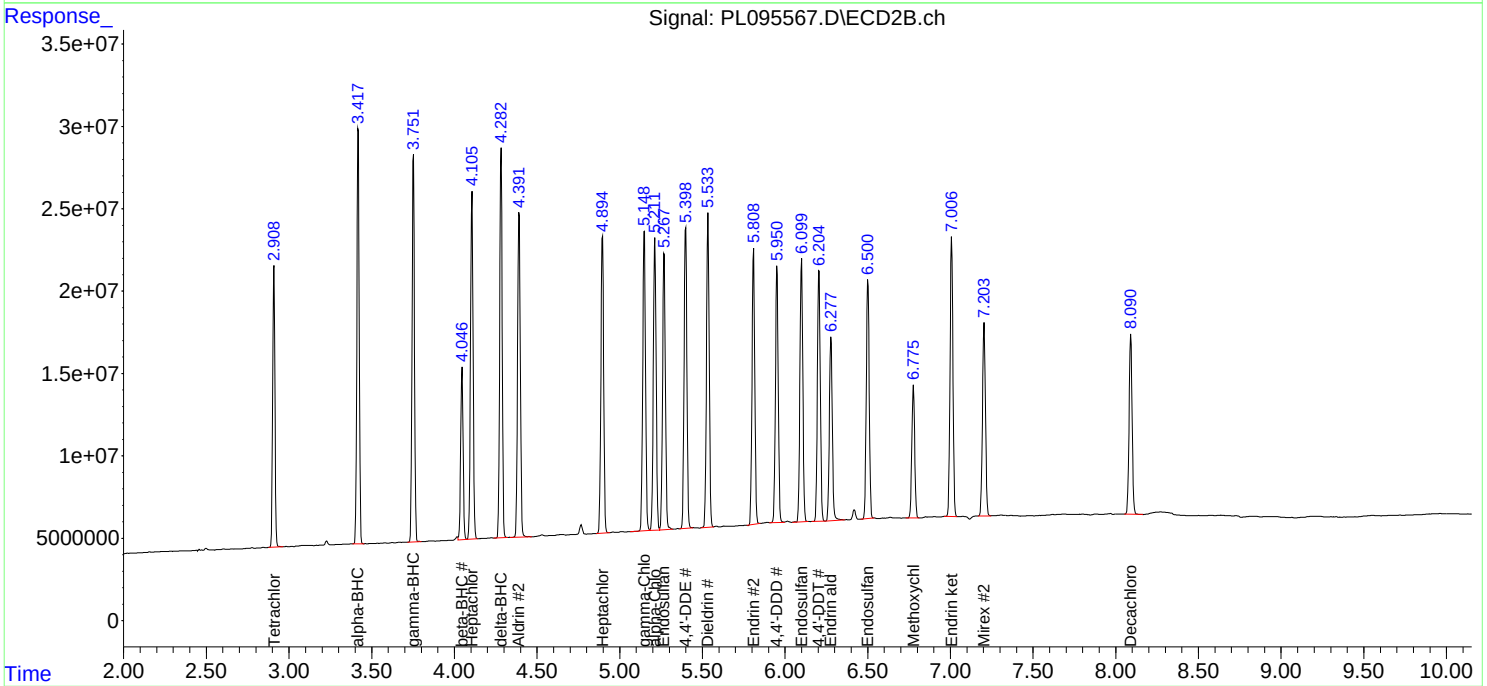
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





Raw Data: **PL095577.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.12	9.12	9.02	9.22	0.00
Tetrachloro-m-xylene	3.59	3.60	3.50	3.70	0.01
alpha-BHC	4.04	4.05	3.95	4.15	0.01
beta-BHC	4.56	4.56	4.46	4.66	0.00
delta-BHC	4.81	4.81	4.71	4.91	0.00
gamma-BHC (Lindane)	4.37	4.38	4.28	4.48	0.01
Heptachlor	4.97	4.98	4.88	5.08	0.01
Aldrin	5.32	5.32	5.22	5.42	0.00
Heptachlor epoxide	5.74	5.74	5.64	5.84	0.00
Endosulfan I	6.12	6.12	6.02	6.22	0.00
Dieldrin	6.39	6.40	6.30	6.50	0.01
4,4'-DDE	6.24	6.24	6.14	6.34	0.00
Endrin	6.62	6.62	6.52	6.72	0.00
Endosulfan II	6.83	6.84	6.74	6.94	0.01
4,4'-DDD	6.75	6.75	6.65	6.85	0.00
Endosulfan sulfate	7.19	7.20	7.10	7.30	0.01
4,4'-DDT	7.06	7.07	6.97	7.17	0.01
Methoxychlor	7.54	7.54	7.44	7.64	0.00
Endrin ketone	7.68	7.68	7.58	7.78	0.00
Endrin aldehyde	6.96	6.96	6.86	7.06	0.00
alpha-Chlordane	6.07	6.08	5.98	6.18	0.01
gamma-Chlordane	5.99	5.99	5.89	6.09	0.00

Raw Data: **PL095577.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Continuing Calib Date: 05/06/2025 **Initial Calibration Date(s):** 04/23/2025 04/23/2025

Continuing Calib Time: 18:58 **Initial Calibration Time(s):** 11:31 12:26

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	8.09	8.09	7.99	8.19	0.00
Tetrachloro-m-xylene	2.91	2.91	2.81	3.01	0.00
alpha-BHC	3.42	3.42	3.32	3.52	0.00
beta-BHC	4.05	4.04	3.94	4.14	-0.01
delta-BHC	4.29	4.28	4.18	4.38	0.00
gamma-BHC (Lindane)	3.76	3.75	3.65	3.85	-0.01
Heptachlor	4.11	4.10	4.00	4.20	-0.01
Aldrin	4.39	4.39	4.29	4.49	0.00
Heptachlor epoxide	4.90	4.89	4.79	4.99	-0.01
Endosulfan I	5.27	5.27	5.17	5.37	0.00
Dieldrin	5.54	5.53	5.43	5.63	0.00
4,4'-DDE	5.40	5.40	5.30	5.50	0.00
Endrin	5.81	5.81	5.71	5.91	0.00
Endosulfan II	6.10	6.10	6.00	6.20	0.00
4,4'-DDD	5.95	5.95	5.85	6.05	0.00
Endosulfan sulfate	6.50	6.50	6.40	6.60	0.00
4,4'-DDT	6.21	6.20	6.10	6.30	-0.01
Methoxychlor	6.78	6.78	6.68	6.88	0.00
Endrin ketone	7.01	7.00	6.90	7.10	-0.01
Endrin aldehyde	6.28	6.28	6.18	6.38	0.00
alpha-Chlordane	5.21	5.21	5.11	5.31	0.00
gamma-Chlordane	5.15	5.15	5.05	5.25	0.00

Raw Data: **PL095577.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095577.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.749	6.653	6.853	46.800	50.000	-6.4
4,4'-DDE	6.240	6.143	6.343	46.740	50.000	-6.5
4,4'-DDT	7.064	6.969	7.169	44.420	50.000	-11.2
Aldrin	5.315	5.218	5.418	45.540	50.000	-8.9
alpha-BHC	4.044	3.946	4.146	44.180	50.000	-11.6
alpha-Chlordane	6.071	5.975	6.175	46.290	50.000	-7.4
beta-BHC	4.561	4.464	4.664	44.510	50.000	-11.0
Decachlorobiphenyl	9.118	9.022	9.222	42.530	50.000	-14.9
delta-BHC	4.808	4.712	4.912	43.800	50.000	-12.4
Dieldrin	6.392	6.296	6.496	44.640	50.000	-10.7
Endosulfan I	6.117	6.023	6.223	44.870	50.000	-10.3
Endosulfan II	6.832	6.735	6.935	46.170	50.000	-7.7
Endosulfan sulfate	7.194	7.098	7.298	44.770	50.000	-10.5
Endrin	6.619	6.523	6.723	42.540	50.000	-14.9
Endrin aldehyde	6.960	6.864	7.064	44.950	50.000	-10.1
Endrin ketone	7.675	7.579	7.779	45.180	50.000	-9.6
gamma-BHC (Lindane)	4.373	4.277	4.477	44.080	50.000	-11.8
gamma-Chlordane	5.990	5.894	6.094	47.250	50.000	-5.5
Heptachlor	4.973	4.876	5.076	43.790	50.000	-12.4
Heptachlor epoxide	5.736	5.639	5.839	47.160	50.000	-5.7
Methoxychlor	7.536	7.440	7.640	43.450	50.000	-13.1
Tetrachloro-m-xylene	3.593	3.495	3.695	44.830	50.000	-10.3

Raw Data: **PL095577.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No.: CCAL05 **Date Analyzed:** 05/06/2025

Lab Sample No.: PSTDCCC050 **Data File :** PL095577.D **Time Analyzed:** 18:58

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.952	5.849	6.049	56.450	50.000	12.9
4,4'-DDE	5.400	5.297	5.497	53.680	50.000	7.4
4,4'-DDT	6.206	6.104	6.304	53.250	50.000	6.5
Aldrin	4.394	4.290	4.490	57.080	50.000	14.2
alpha-BHC	3.421	3.316	3.516	58.790	50.000	17.6
alpha-Chlordane	5.214	5.111	5.311	53.850	50.000	7.7
beta-BHC	4.048	3.944	4.144	53.480	50.000	7.0
Decachlorobiphenyl	8.090	7.989	8.189	45.300	50.000	-9.4
delta-BHC	4.285	4.180	4.380	57.320	50.000	14.6
Dieldrin	5.535	5.432	5.632	55.040	50.000	10.1
Endosulfan I	5.270	5.167	5.367	55.650	50.000	11.3
Endosulfan II	6.100	5.997	6.197	53.890	50.000	7.8
Endosulfan sulfate	6.501	6.398	6.598	51.830	50.000	3.7
Endrin	5.810	5.707	5.907	53.760	50.000	7.5
Endrin aldehyde	6.278	6.175	6.375	52.500	50.000	5.0
Endrin ketone	7.008	6.904	7.104	55.970	50.000	11.9
gamma-BHC (Lindane)	3.755	3.650	3.850	56.430	50.000	12.9
gamma-Chlordane	5.149	5.047	5.247	54.190	50.000	8.4
Heptachlor	4.108	4.004	4.204	54.400	50.000	8.8
Heptachlor epoxide	4.896	4.793	4.993	55.170	50.000	10.3
Methoxychlor	6.776	6.675	6.875	50.710	50.000	1.4
Tetrachloro-m-xylene	2.912	2.806	3.006	53.780	50.000	7.6

Quantitation Report (QT Reviewed)

Sample Results: **PL095577.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.593	2.912	146.4E6	171.0E6	44.831	53.779
28) SA	Decachlor...	9.118	8.090	117.9E6	134.1E6	42.535	45.303
	Target Compounds						
2) A	alpha-BHC	4.044	3.421	218.9E6	261.6E6	44.183	58.793 #
3) MA	gamma-BHC...	4.373	3.755	208.7E6	248.2E6	44.081m	56.434 #
4) MA	Heptachlor	4.973	4.108	200.3E6	237.0E6	43.787	54.403
5) MB	Aldrin	5.315	4.394	209.2E6	234.9E6	45.540	57.082 #
6) B	beta-BHC	4.561	4.048	92015873	111.0E6	44.505	53.476
7) B	delta-BHC	4.808	4.285	203.7E6	251.2E6	43.802m	57.323 #
8) B	Heptachlo...	5.736	4.896	188.9E6	213.1E6	47.163	55.172
9) A	Endosulfan I	6.117	5.270	170.4E6	203.7E6	44.874m	55.651
10) B	gamma-Chl...	5.990	5.149	192.8E6	219.6E6	47.250	54.193
11) B	alpha-Chl...	6.071	5.214	188.2E6	214.4E6	46.288	53.850
12) B	4,4'-DDE	6.240	5.400	183.2E6	218.3E6	46.735	53.681
13) MA	Dieldrin	6.392	5.535	172.1E6	223.9E6	44.643	55.043
14) MA	Endrin	6.619	5.810	135.5E6	195.7E6	42.540	53.762 #
15) B	Endosulfa...	6.832	6.100	147.4E6	193.5E6	46.166	53.891
16) A	4,4'-DDD	6.749	5.952	132.5E6	184.4E6	46.801	56.452
17) MA	4,4'-DDT	7.064	6.206	126.5E6	183.0E6	44.422	53.246
18) B	Endrin al...	6.960	6.278	104.3E6	137.2E6	44.952	52.499
19) B	Endosulfa...	7.194	6.501	125.4E6	172.0E6	44.770	51.829
20) A	Methoxychlor	7.536	6.776	60617623	96722956	43.449	50.709
21) B	Endrin ke...	7.675	7.008	128.8E6	197.1E6	45.184	55.966
22)	Mirex	8.157	7.203	102.4E6	141.7E6	43.088	49.144m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:58
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

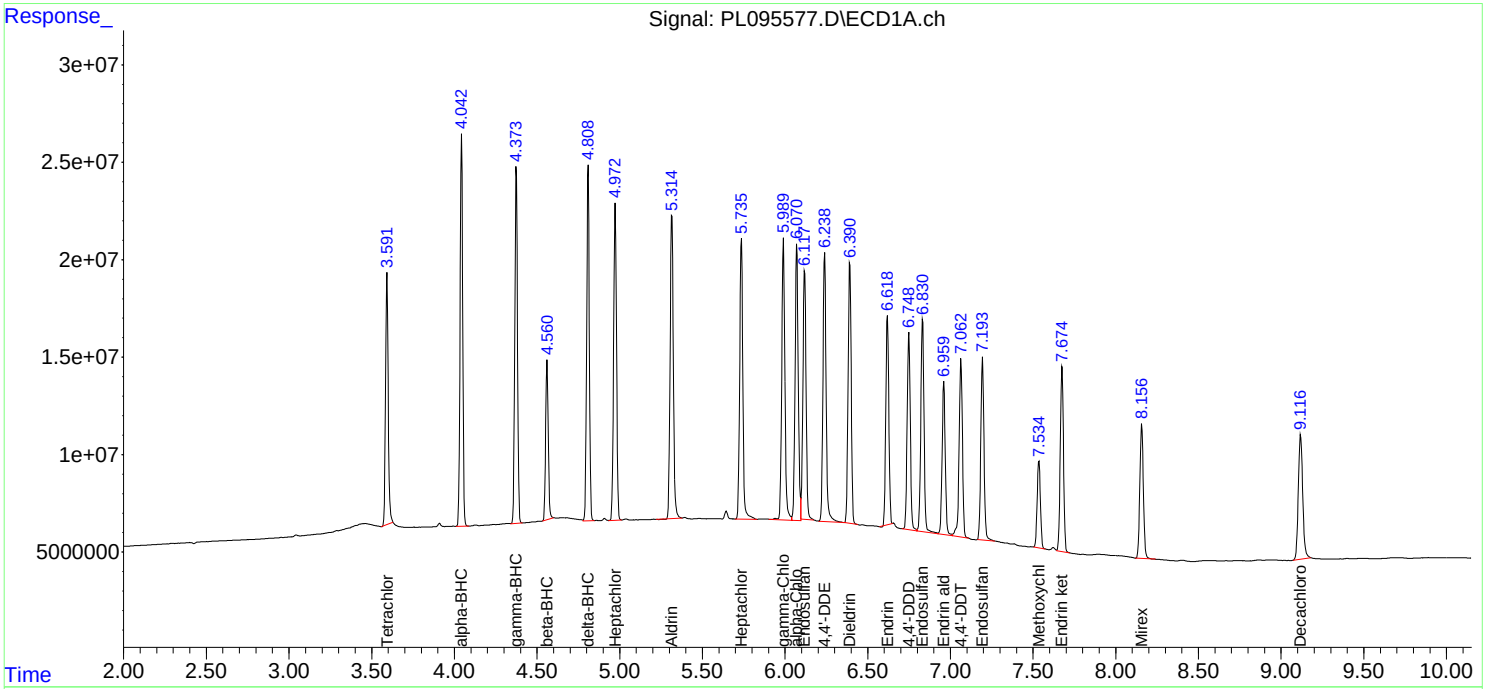
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

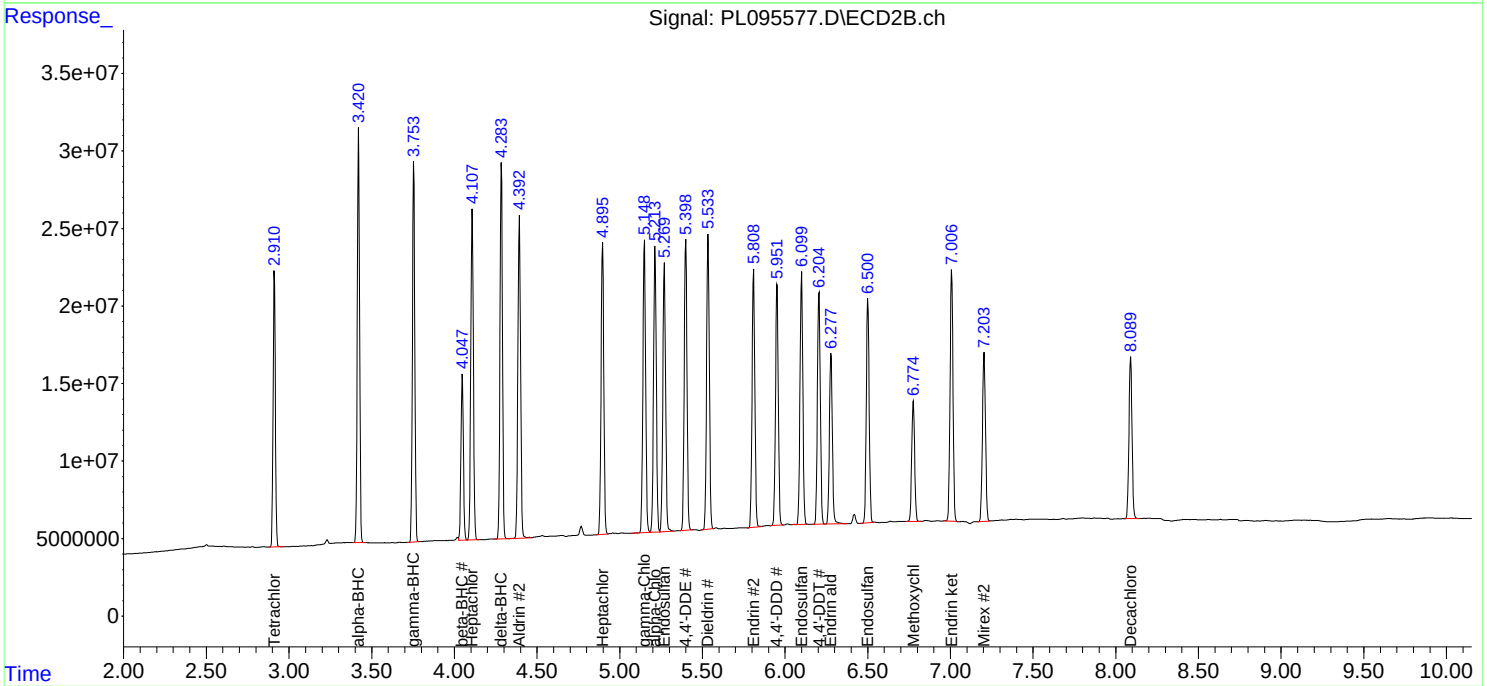
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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 FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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

PEM

Data File: 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** 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			

Quantitation Report (QT Reviewed)

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
28) 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

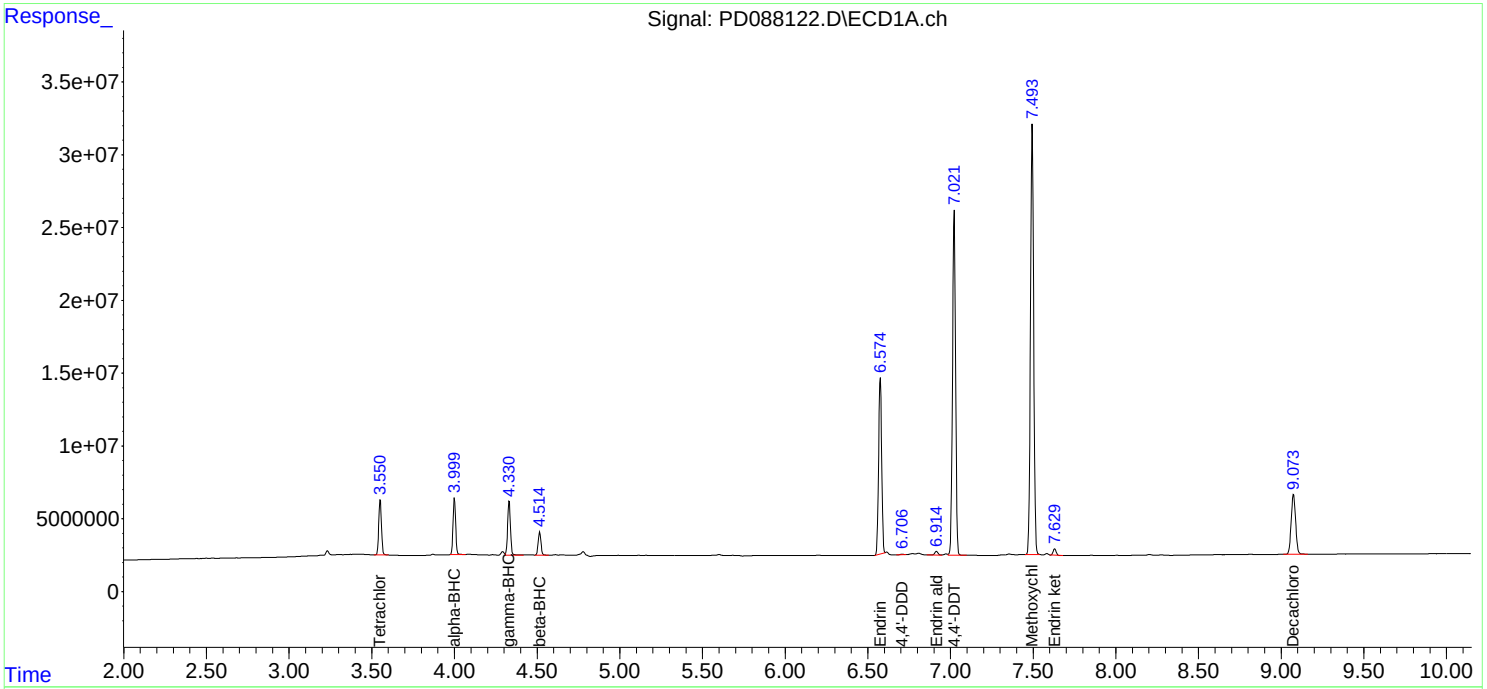
Instrument :
ECD_D
ClientSampleId :
PEM

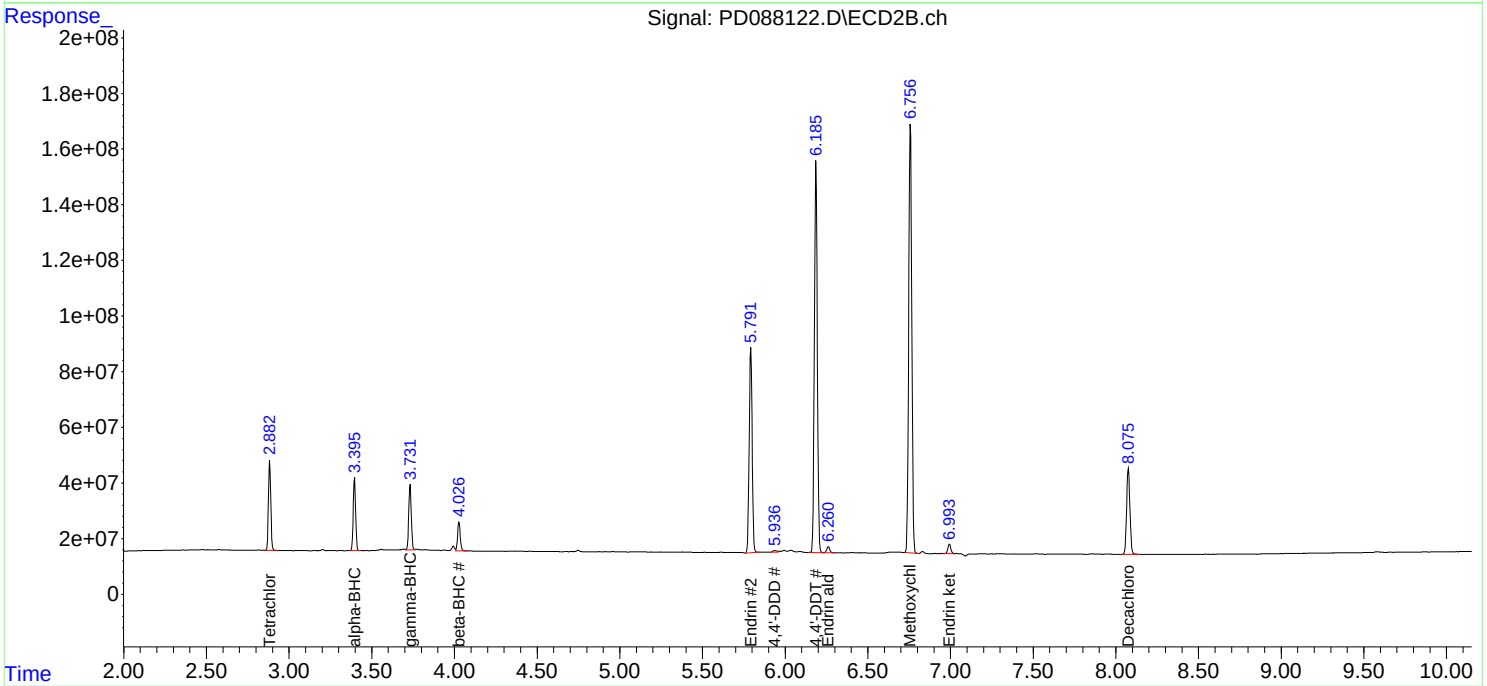
Manual Integrations APPROVED

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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

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

Client Sample No. (PEM): PEM - PD088433.D **Date Analyzed:** 05/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.076	8.980	9.180	24.700	20.000	23.5
Tetrachloro-m-xylene	3.550	3.500	3.600	22.670	20.000	13.4
alpha-BHC	3.999	3.950	4.050	10.390	10.000	3.9
beta-BHC	4.516	4.470	4.570	11.790	10.000	17.9
gamma-BHC (Lindane)	4.331	4.280	4.380	10.610	10.000	6.1
Endrin	6.576	6.510	6.650	58.900	50.000	17.8
4,4'-DDT	7.023	6.950	7.090	119.050	100.000	19.1
Methoxychlor	7.495	7.420	7.570	272.320	250.000	8.9

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

Client Sample No. (PEM): PEM - PD088433.D **Date Analyzed:** 05/08/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 16:47

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.075	7.970	8.180	23.940	20.000	19.7
Tetrachloro-m-xylene	2.882	2.830	2.930	22.590	20.000	13.0
alpha-BHC	3.394	3.340	3.440	11.830	10.000	18.3
beta-BHC	4.027	3.980	4.080	12.330	10.000	23.3
gamma-BHC (Lindane)	3.731	3.680	3.780	11.790	10.000	17.9
Endrin	5.791	5.720	5.860	55.640	50.000	11.3
4,4'-DDT	6.186	6.120	6.260	107.920	100.000	7.9
Methoxychlor	6.757	6.690	6.830	224.250	250.000	-10.3

PEM

Data File: PD088433.D **Date Acquired** 5/8/2025 16:47

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
					Down
Endrin	6.58	175665713	177564940.1	1899227.12	**1.07**
Endrin aldehyde	6.92	338695.188			
Endrin ketone	7.63	1560531.936			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.79	1012783780	1036305070	23521289.4	**2.27**
Endrin aldehyde #2	6.26	10452819.96			
Endrin ketone #2	6.99	13068469.46			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.02	330660646.5	332107855.7	1447209.18	**0.44**
4,4'-DDE	0.00	0			
4,4'-DDD	6.71	1447209.183			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.19	1836476698	1847625436	11148737.5	**0.60**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.94	11148737.52			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 16:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:08 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	45278956	330.3E6	22.669	22.591	
28)	SA Decachlor...	9.076	8.075	81700977	442.3E6	24.697	23.935	
	Target Compounds							
2)	A alpha-BHC	3.999	3.394	44822008	270.4E6	10.395	11.827	
3)	MA gamma-BHC...	4.331	3.731	44445079	253.9E6	10.614	11.788	
6)	B beta-BHC	4.516	4.027	19138047	114.1E6	11.789	12.326	
14)	MA Endrin	6.576	5.791	175.7E6	1012.8E6	58.898	55.640	
16)	A 4,4'-DDD	6.705	5.938	1447209	11148738	0.575m	0.680	
17)	MA 4,4'-DDT	7.023	6.186	330.7E6	1836.5E6	119.048	107.923	
18)	B Endrin al...	6.918	6.260	338695	10452820	0.147m	0.786	#
20)	A Methoxychlor	7.495	6.757	408.4E6	2045.4E6	272.324	224.251	
21)	B Endrin ke...	7.630	6.991	1560532	13068469	0.506m	0.699m	#

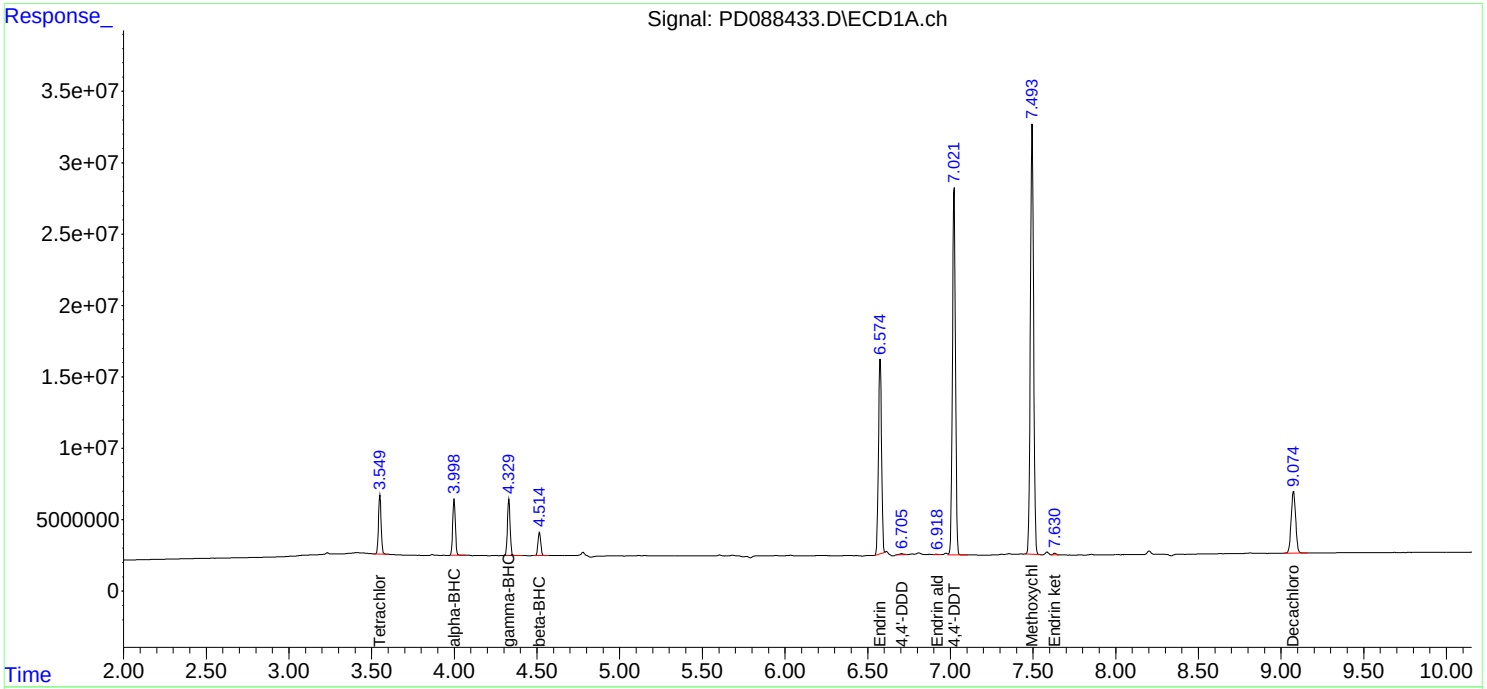
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

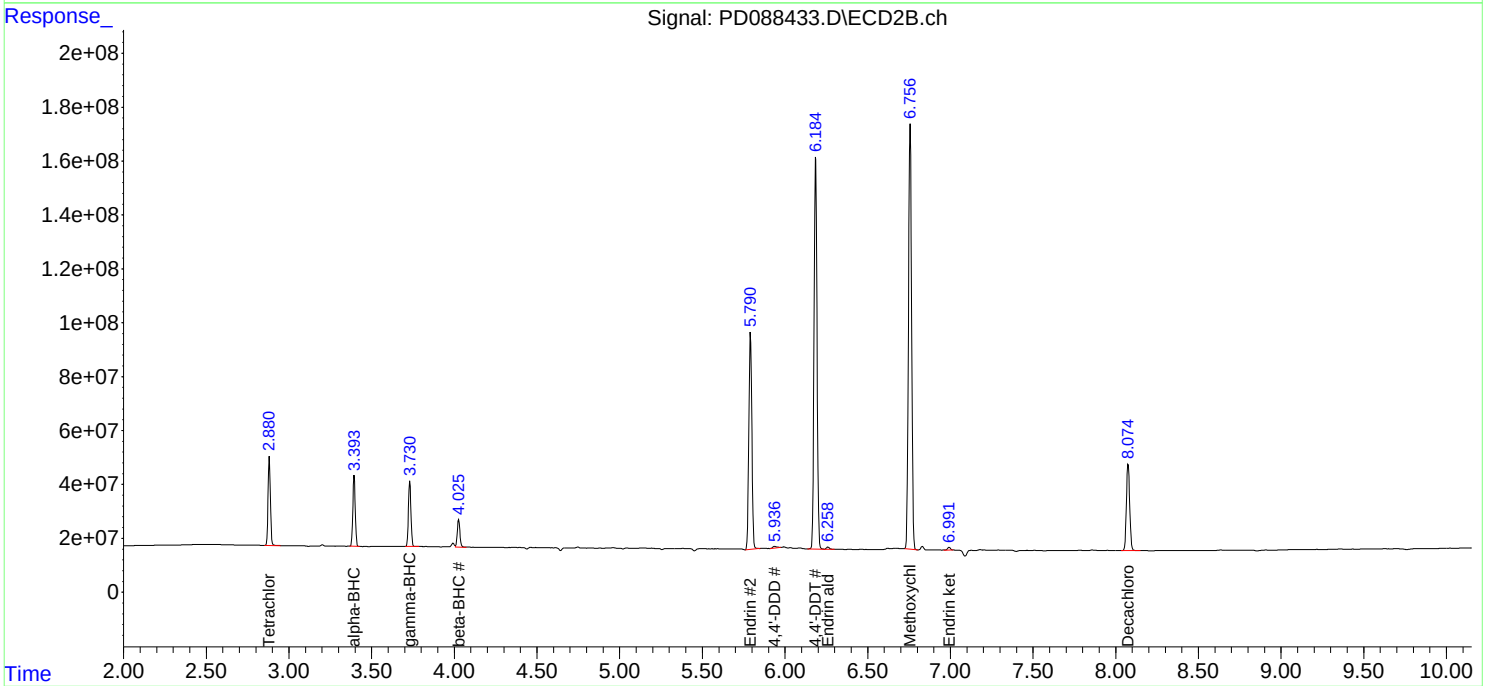
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088433.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 16:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:08 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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D **Date Analyzed:** 04/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.122	9.020	9.220	23.490	20.000	17.5
Tetrachloro-m-xylene	3.594	3.540	3.640	22.530	20.000	12.7
alpha-BHC	4.045	3.990	4.100	10.950	10.000	9.5
beta-BHC	4.563	4.510	4.610	10.960	10.000	9.6
gamma-BHC (Lindane)	4.375	4.320	4.430	11.240	10.000	12.4
Endrin	6.622	6.550	6.690	54.830	50.000	9.7
4,4'-DDT	7.067	7.000	7.140	112.580	100.000	12.6
Methoxychlor	7.538	7.470	7.610	265.190	250.000	6.1

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095327.D **Date Analyzed:** 04/23/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:04

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.089	7.990	8.190	23.100	20.000	15.5
Tetrachloro-m-xylene	2.905	2.850	2.960	22.790	20.000	14.0
alpha-BHC	3.415	3.360	3.470	11.050	10.000	10.5
beta-BHC	4.042	3.990	4.090	11.540	10.000	15.4
gamma-BHC (Lindane)	3.748	3.700	3.800	11.100	10.000	11.0
Endrin	5.806	5.740	5.880	57.180	50.000	14.4
4,4'-DDT	6.203	6.130	6.270	115.980	100.000	16.0
Methoxychlor	6.774	6.700	6.840	253.560	250.000	1.4

PEM

Data File: PL095327.D **Date Acquired** 4/23/2025 11:04

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.62	174620420	176432661.6	1812241.55	**1.03**
Endrin aldehyde	6.96	291372.367			
Endrin ketone	7.68	1520869.187			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.81	208180230.3	212099534	3919303.8	**1.85**
Endrin aldehyde #2	6.28	1927807.487			
Endrin ketone #2	7.00	1991496.309			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.07	320688920.6	321379935.9	691015.328	**0.22**
4,4'-DDE	0.00	0			
4,4'-DDD	6.75	691015.328			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.20	398515431.8	399310772.3	795340.506	**0.20**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	795340.506			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.594	2.905	73541125	72472220	22.526	22.792
28)	SA Decachlor...	9.122	8.089	65094644	68362526	23.493	23.101
	Target Compounds						
2)	A alpha-BHC	4.045	3.415	54247618	49140358	10.951	11.046
3)	MA gamma-BHC...	4.375	3.748	53220046	48800893	11.242m	11.096
6)	B beta-BHC	4.563	4.042	22651669	23957368	10.956	11.541
14)	MA Endrin	6.622	5.806	174.6E6	208.2E6	54.830	57.181
16)	A 4,4'-DDD	6.747	5.947	691015	795341	0.244m	0.243m
17)	MA 4,4'-DDT	7.067	6.203	320.7E6	398.5E6	112.579	115.976
18)	B Endrin al...	6.964	6.276	291372	1927807	0.126m	0.738m#
20)	A Methoxychlor	7.538	6.774	370.0E6	483.6E6	265.186	253.560
21)	B Endrin ke...	7.676	7.001	1520869	1991496	0.533m	0.566m

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

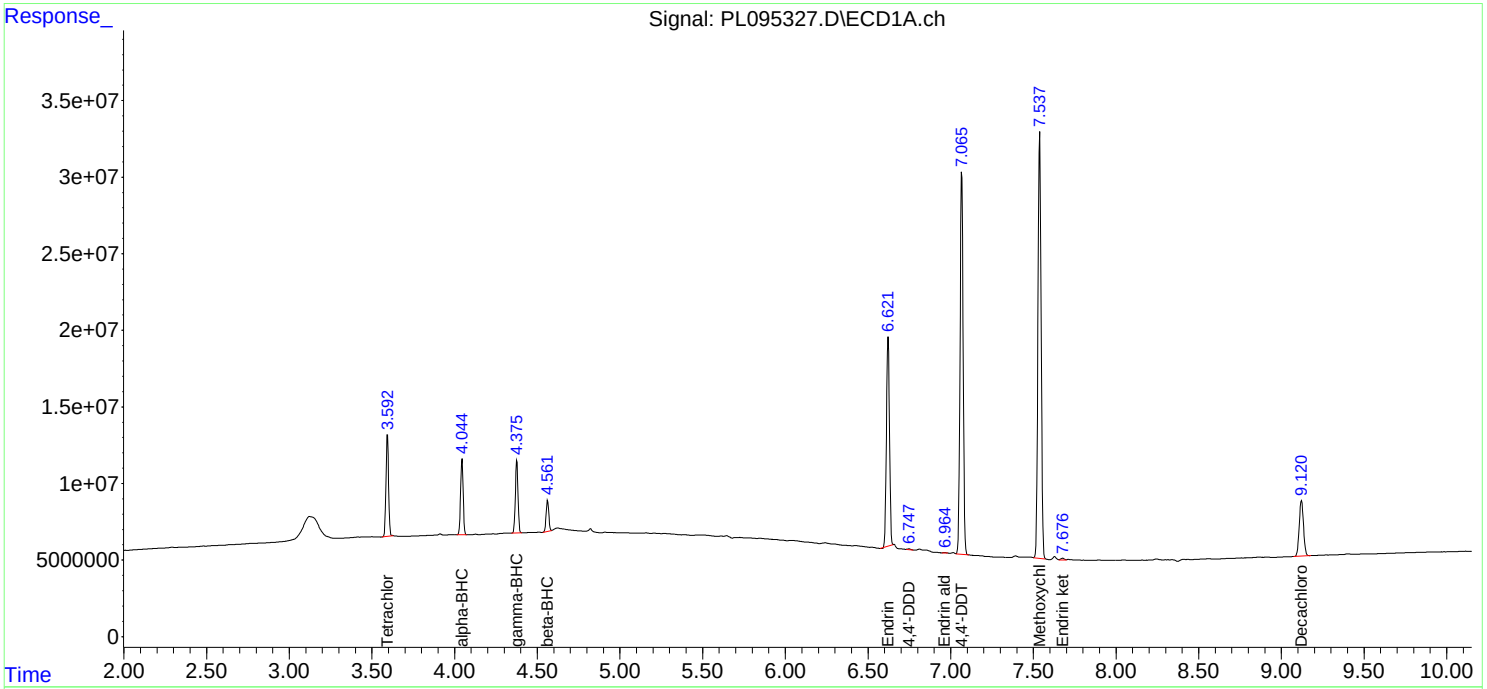
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095327.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:04
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

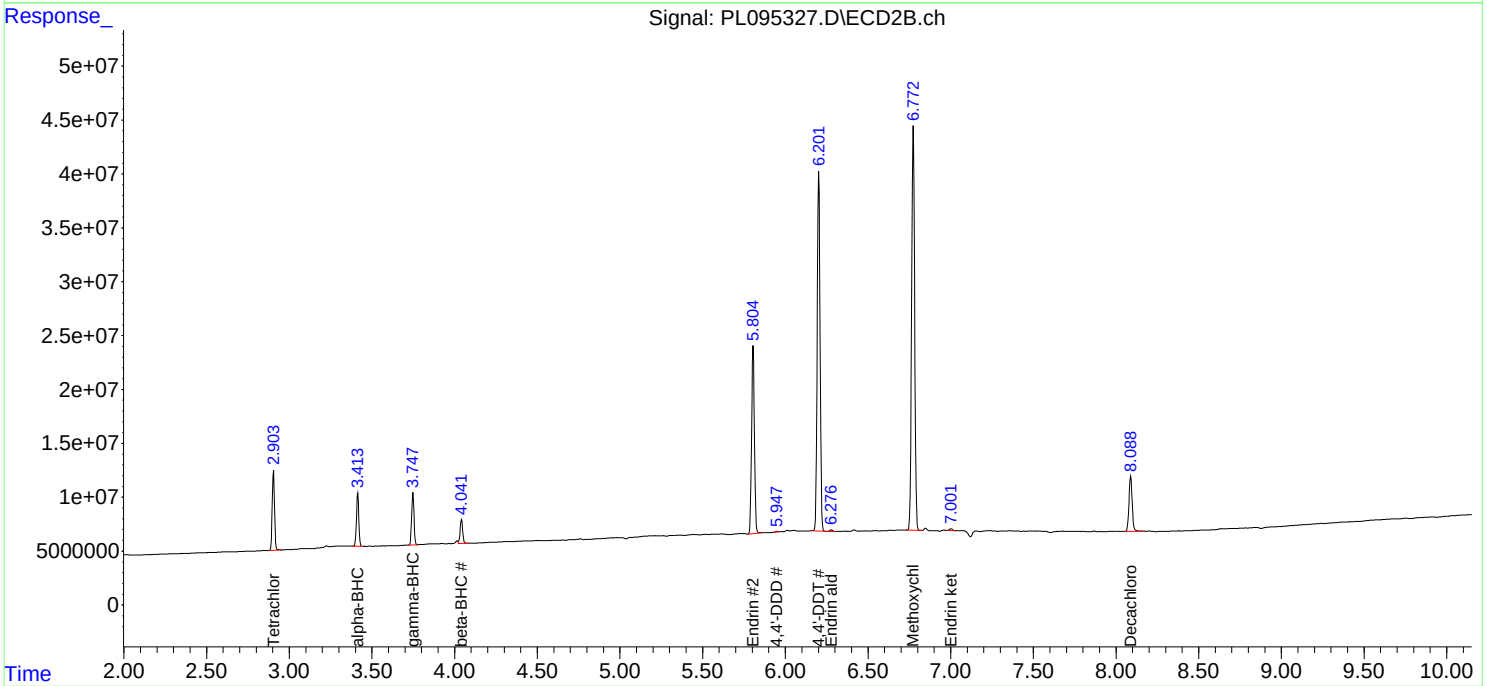
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D **Date Analyzed:** 05/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.128	9.030	9.230	20.210	20.000	1.1
Tetrachloro-m-xylene	3.598	3.550	3.650	18.810	20.000	-6.0
alpha-BHC	4.051	4.000	4.100	8.870	10.000	-11.3
beta-BHC	4.569	4.520	4.620	9.280	10.000	-7.2
gamma-BHC (Lindane)	4.381	4.330	4.430	9.200	10.000	-8.0
Endrin	6.626	6.560	6.700	51.270	50.000	2.5
4,4'-DDT	7.073	7.000	7.140	99.920	100.000	-0.1
Methoxychlor	7.545	7.470	7.620	228.570	250.000	-8.6

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 04/23/2025 04/23/2025

Client Sample No. (PEM): PEM - PL095561.D **Date Analyzed:** 05/06/2025

Lab Sample No.(PEM): PEM **Time Analyzed:** 12:38

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	8.092	7.990	8.190	21.100	20.000	5.5
Tetrachloro-m-xylene	2.909	2.860	2.960	21.840	20.000	9.2
alpha-BHC	3.419	3.370	3.470	11.780	10.000	17.8
beta-BHC	4.047	4.000	4.100	11.420	10.000	14.2
gamma-BHC (Lindane)	3.753	3.700	3.800	11.540	10.000	15.4
Endrin	5.810	5.740	5.880	54.960	50.000	9.9
4,4'-DDT	6.207	6.140	6.280	104.730	100.000	4.7
Methoxychlor	6.778	6.710	6.850	221.370	250.000	-11.5

PEM

Data File: PL095561.D **Date Acquired** 5/6/2025 12:38

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down Down
Endrin	6.63	163271798	166255677.8	2983879.71	**1.79**
Endrin aldehyde	6.97	559490.412			
Endrin ketone	7.68	2424389.299			

Column #2

Name	RT	Response	Response [E+EA+EK]	Response [EA+EK]	% Break Down
Endrin #2	5.81	200102005	205878688	5776682.94	**2.81**
Endrin aldehyde #2	6.28	2119900.428			
Endrin ketone #2	7.01	3656782.513			

DDT BREAK DOWN

Column #1

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT	7.07	284633915.9	288932193.9	4298277.97	**1.49**
4,4'-DDE	0.00	0			
4,4'-DDD	6.76	4298277.972			

Column #2

Name	RT	Response	Response [DDT+DDE+DDD	Response [DDE+DDD]	% Break Down
4,4'-DDT #2	6.21	359857998.2	365582732.2	5724734	**1.57**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.95	5724734			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.598	2.909	61424172	69439253	18.815m	21.838
28) SA	Decachlor...	9.128	8.092	56003782	62431479	20.212	21.097
	Target Compounds						
2) A	alpha-BHC	4.051	3.419	43928418	52388008	8.868	11.776 #
3) MA	gamma-BHC...	4.381	3.753	43573454	50753813	9.204m	11.540 #
6) B	beta-BHC	4.569	4.047	19177011	23707306	9.275	11.420
14) MA	Endrin	6.626	5.810	163.3E6	200.1E6	51.267m	54.962
16) A	4,4'-DDD	6.755	5.951	4298278	5724734	1.518m	1.752m
17) MA	4,4'-DDT	7.073	6.207	284.6E6	359.9E6	99.921	104.726
18) B	Endrin al...	6.966	6.279	559490	2119900	0.241m	0.811m#
20) A	Methoxychlor	7.545	6.778	318.9E6	422.2E6	228.569	221.368
21) B	Endrin ke...	7.682	7.008	2424389	3656783	0.850m	1.038m

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

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 12:38
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

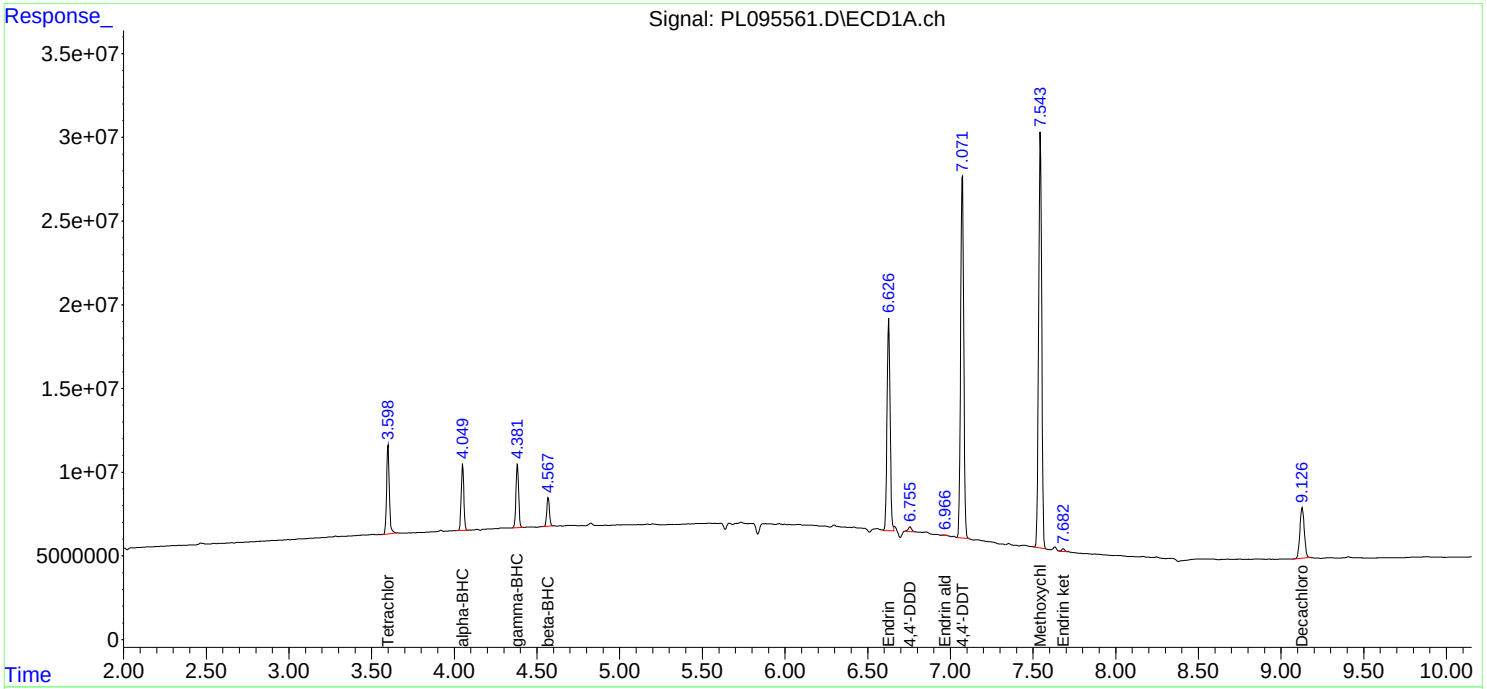
Instrument :
ECD_L
ClientSampleId :
PEM

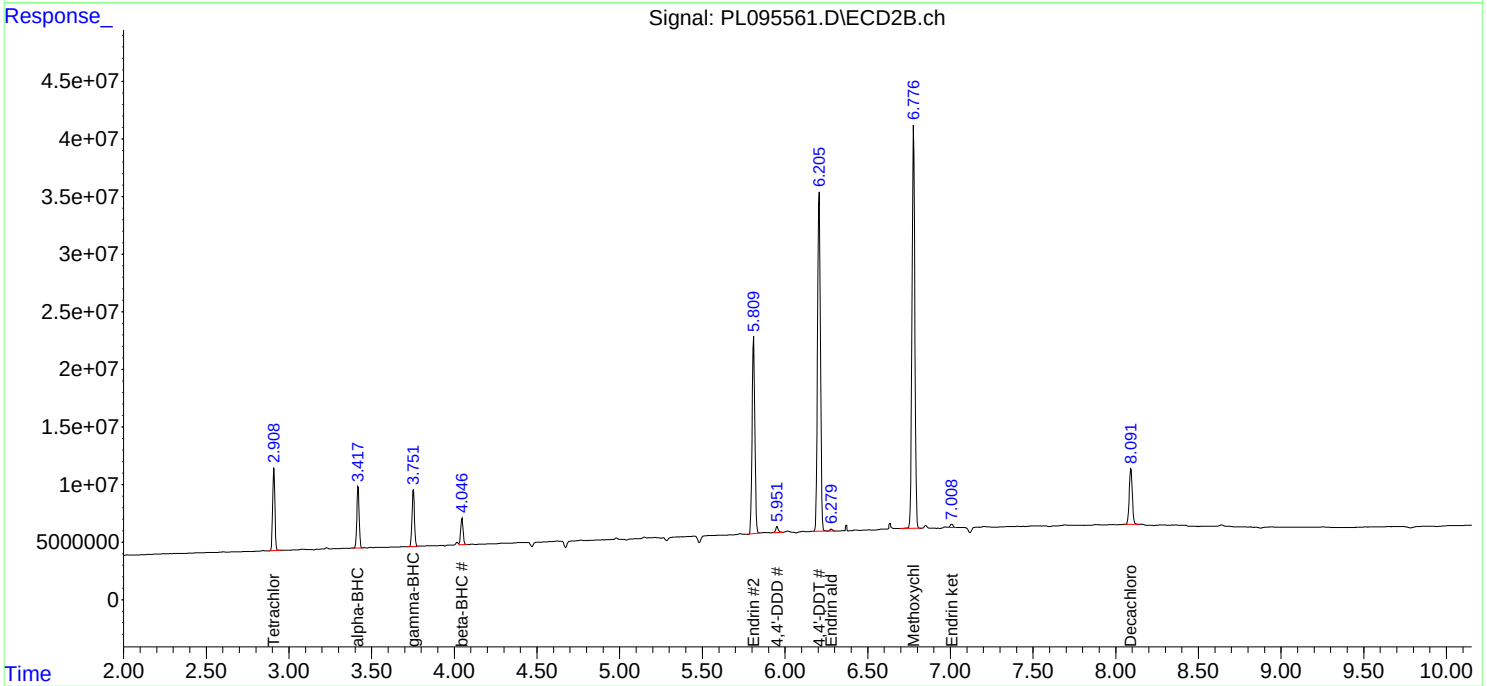
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





Chromatographic Resolution Report

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%

Quantitation Report (QT Reviewed)

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

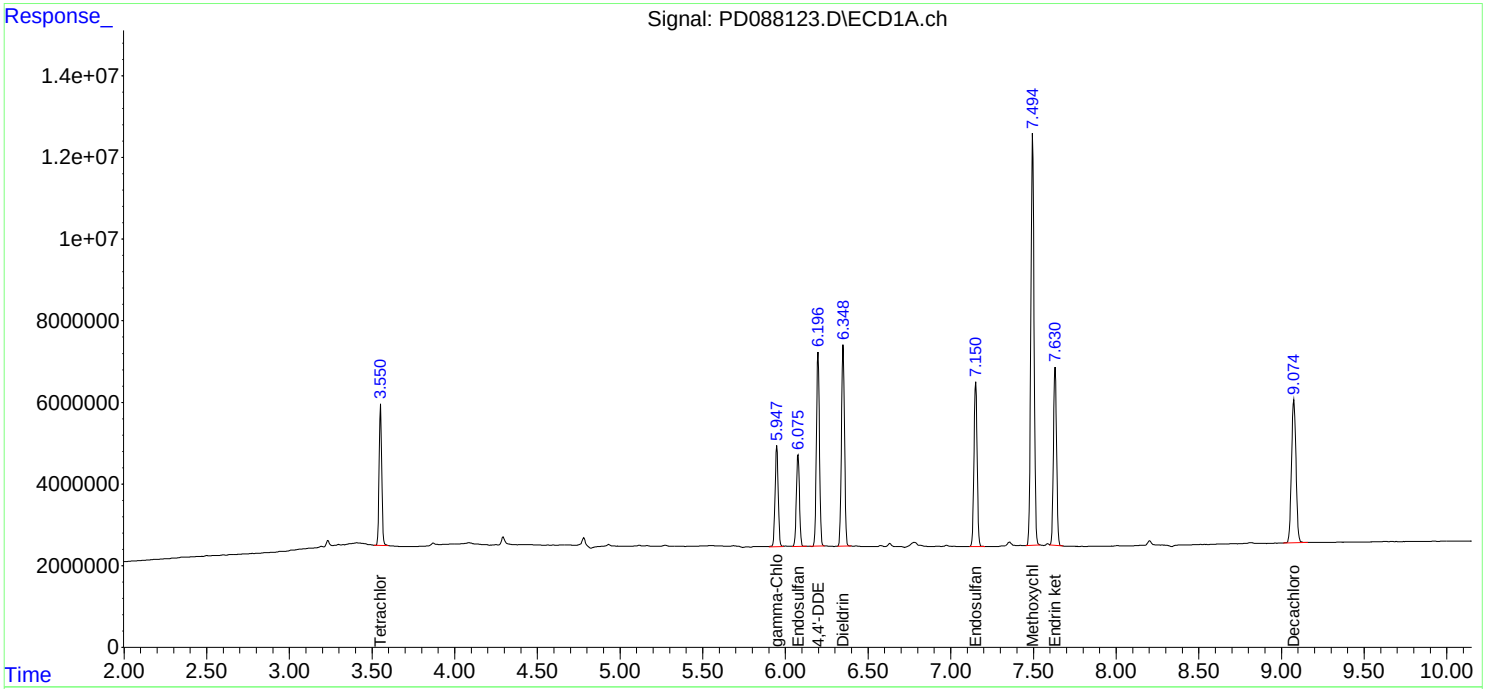
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

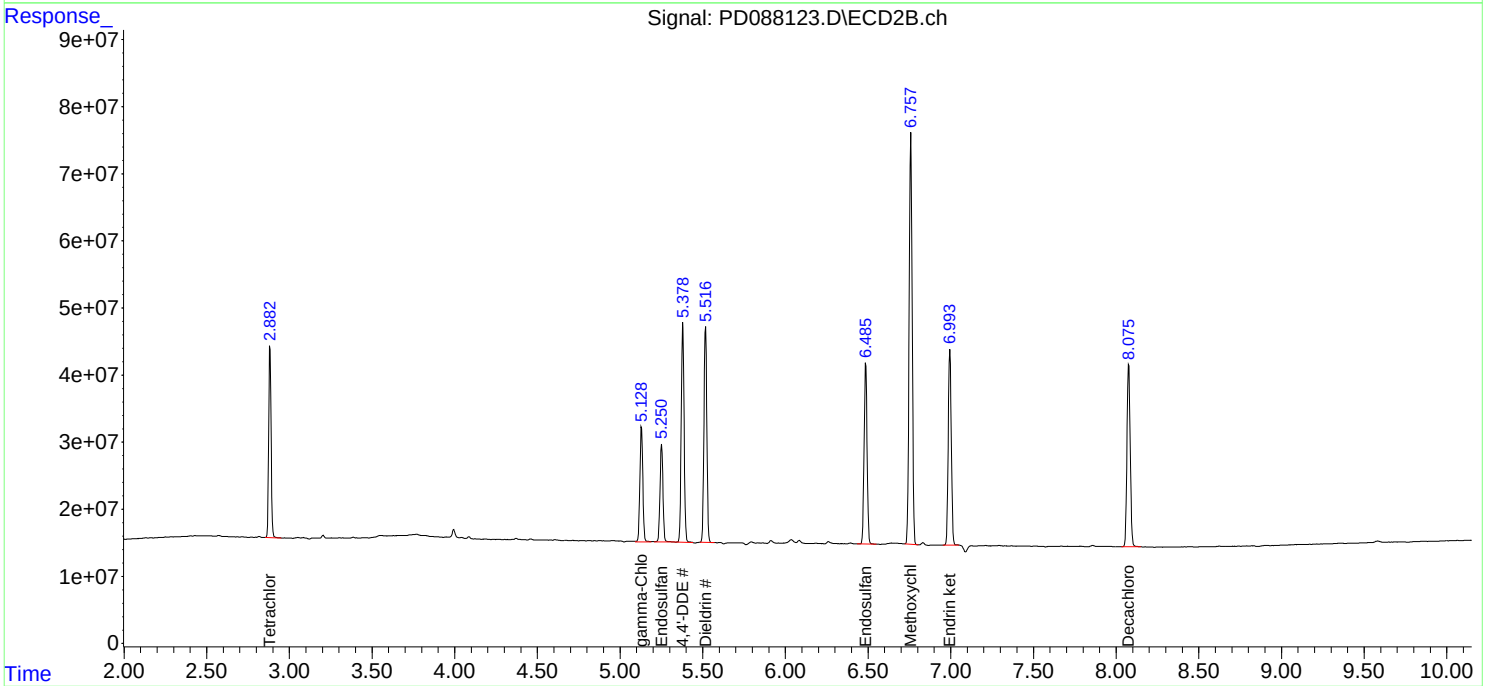
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088123.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:43
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Acq On : 23 Apr 2025 11:18
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_L\methods\PL042325.M
Title : GC Extractables
Last Update : Wed Apr 23 14:07:39 2025
Integrator: ChemStation

RT#1	RT#2	Resolution
3.594	5.992	100.00%
5.992	6.122	100.00%
6.122	6.242	100.00%
6.242	6.395	100.00%
6.395	7.197	100.00%
7.197	7.539	100.00%
7.539	7.678	100.00%
7.678	9.122	100.00%

Signal #2

2.906	5.145	100.00%
5.145	5.266	100.00%
5.266	5.397	100.00%
5.397	5.531	100.00%
5.531	6.498	100.00%
6.498	6.775	100.00%
6.775	7.004	100.00%
7.004	8.089	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.594	2.906	62004694	61272348	18.993	19.270
28) SA	Decachlor...	9.122	8.089	53403082	56912207	19.273	19.232
	Target Compounds						
9) A	Endosulfan I	6.122	5.266	32613312	32263148	8.588	8.814
10) B	gamma-Chl...	5.992	5.144	37114775	37866092	9.098	9.343m
12) B	4,4'-DDE	6.242	5.397	74307748	78460494	18.953	19.292
13) MA	Dieldrin	6.395	5.531	71017950	76605618	18.423	18.836
19) B	Endosulfa...	7.197	6.498	53082691	63329750	18.946	19.087
20) A	Methoxychlor	7.539	6.775	125.8E6	173.2E6	90.164	90.816
21) B	Endrin ke...	7.678	7.004	53522821	65934818	18.774	18.725

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095328.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 11:18
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

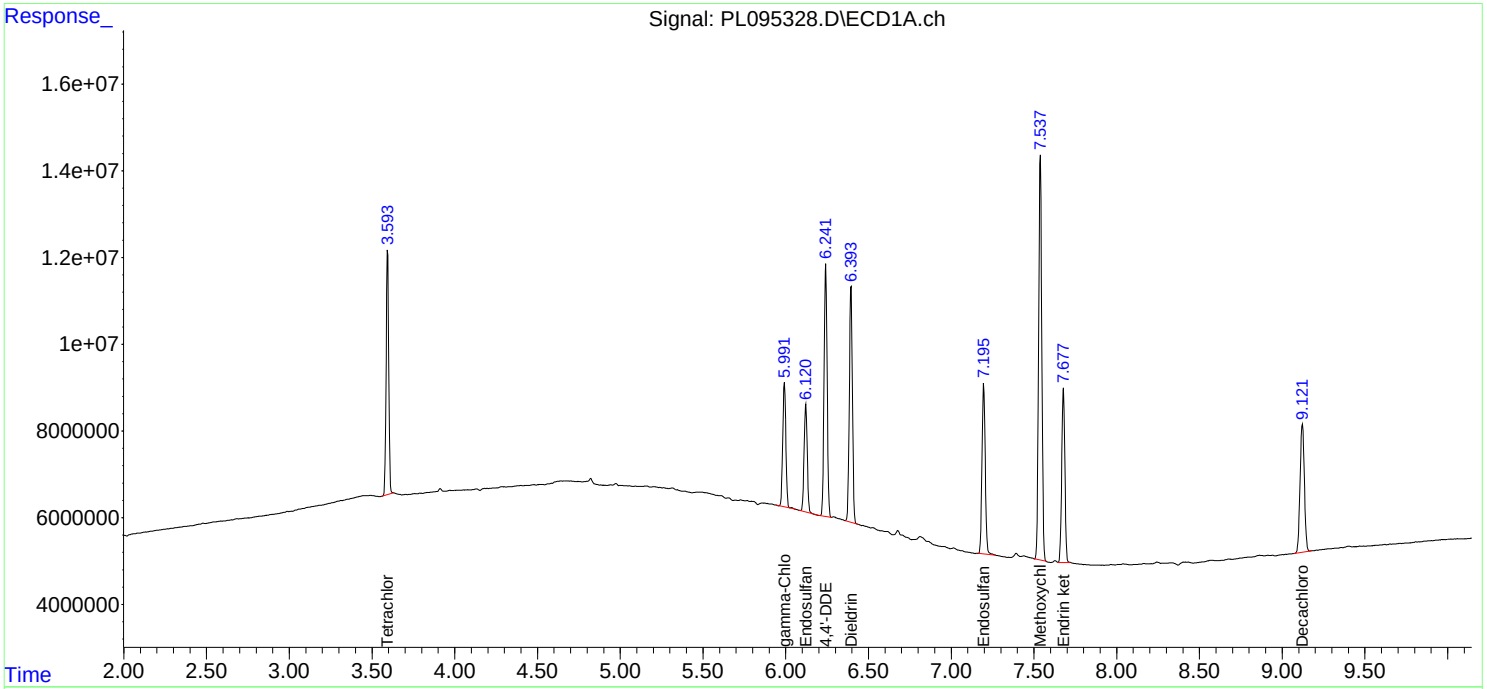
Instrument :
ECD_L
ClientSampleId :
RESCHK

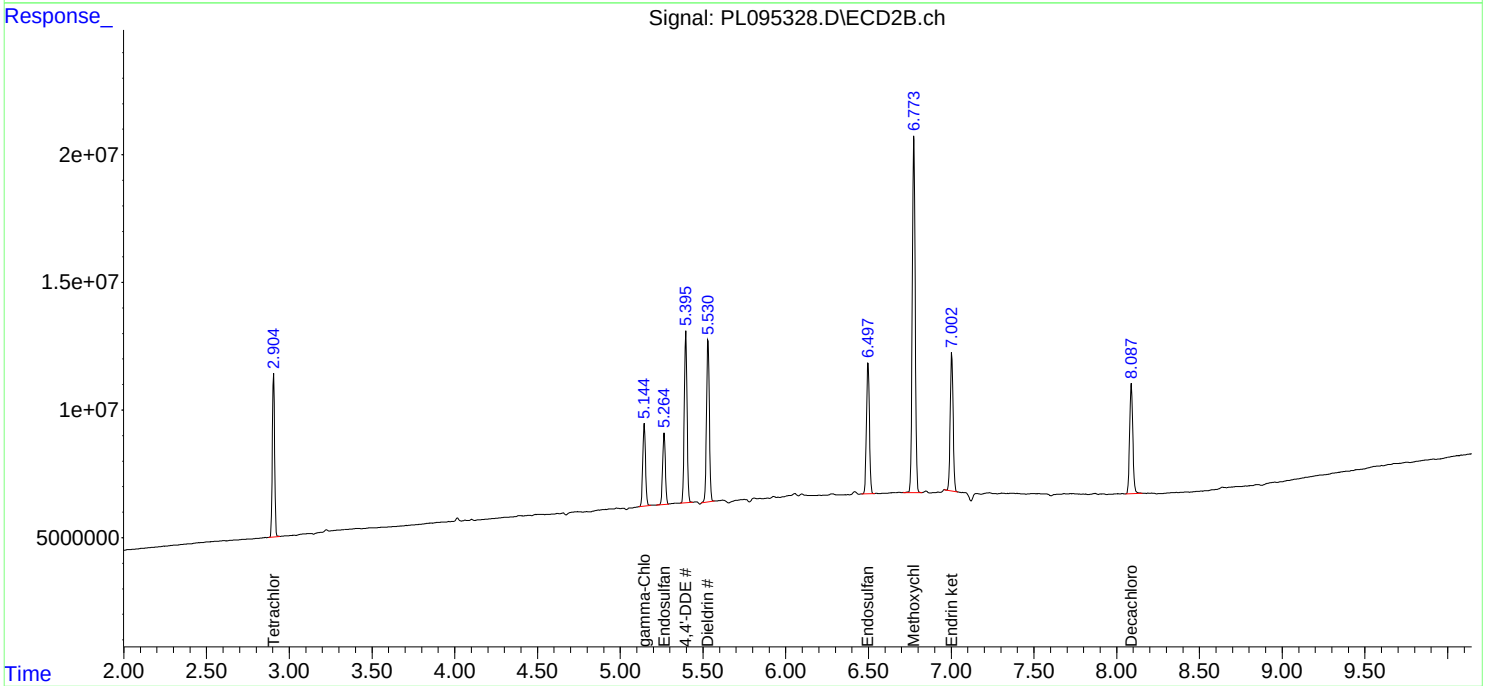
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 04/24/2025
Supervised By :mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm





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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **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 #
I.BLK	I.BLK	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
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	9.08	3.55
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	9.07	3.55
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	9.08	3.55
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	9.08	3.55
PSTDICC005	PSTDICC005	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
I.BLK	I.BLK	05/08/2025	16:33	PD088432.D	9.08	3.56
PEM	PEM	05/08/2025	16:47	PD088433.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/08/2025	17:00	PD088434.D	9.08	3.55
PB167914BL	PB167914BL	05/08/2025	17:14	PD088435.D	9.08	3.55
PB167914BS	PB167914BS	05/08/2025	17:27	PD088436.D	9.07	3.55
PB167914BSD	PB167914BSD	05/08/2025	17:41	PD088437.D	9.08	3.55
FB-05022025	Q1956-07	05/08/2025	17:55	PD088438.D	9.07	3.55
I.BLK	I.BLK	05/08/2025	18:08	PD088439.D	9.08	3.55
PSTDCCC050	PSTDCCC050	05/08/2025	18:22	PD088440.D	9.07	3.55
I.BLK	I.BLK	04/23/2025	10:50	PL095326.D	9.12	3.59
PEM	PEM	04/23/2025	11:04	PL095327.D	9.12	3.59
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	9.12	3.59
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	9.12	3.60
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	9.12	3.60
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	9.12	3.60
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	9.12	3.60
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	9.12	3.60
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	9.12	3.60
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	9.12	3.59
I.BLK	I.BLK	05/06/2025	10:13	PL095560.D	9.12	3.59
PEM	PEM	05/06/2025	12:38	PL095561.D	9.13	3.60
PSTDCCC050	PSTDCCC050	05/06/2025	12:51	PL095562.D	9.12	3.60
PB167878BL	PB167878BL	05/06/2025	13:56	PL095563.D	9.13	3.60
PB167878BS	PB167878BS	05/06/2025	14:26	PL095564.D	9.12	3.60
I.BLK	I.BLK	05/06/2025	14:56	PL095566.D	9.12	3.59
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	9.12	3.60
SB1-3-4	Q1956-01	05/06/2025	17:36	PL095571.D	9.12	3.59
SB2-4-5	Q1956-02	05/06/2025	17:50	PL095572.D	9.12	3.59
SB2-4-5MS	Q1956-03MS	05/06/2025	18:04	PL095573.D	9.12	3.59
SB2-4-5MSD	Q1956-04MSD	05/06/2025	18:17	PL095574.D	9.12	3.59
SB91-3-4	Q1956-06	05/06/2025	18:31	PL095575.D	9.12	3.59
I.BLK	I.BLK	05/06/2025	18:45	PL095576.D	9.12	3.59

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

Analytical Sequence

PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	9.12	3.59

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

Analytical Sequence

Client: CDM Smith **SDG No.:** Q1956

Project: Bergen Point Fueling System **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 #
I.BLK	I.BLK	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
PSTDICC100	PSTDICC100	04/18/2025	13:56	PD088124.D	8.09	2.90
PSTDICC075	PSTDICC075	04/18/2025	14:10	PD088125.D	8.08	2.88
PSTDICC050	PSTDICC050	04/18/2025	14:24	PD088126.D	8.08	2.88
PSTDICC025	PSTDICC025	04/18/2025	14:37	PD088127.D	8.08	2.88
PSTDICC005	PSTDICC005	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
I.BLK	I.BLK	05/08/2025	16:33	PD088432.D	8.08	2.88
PEM	PEM	05/08/2025	16:47	PD088433.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/08/2025	17:00	PD088434.D	8.08	2.88
PB167914BL	PB167914BL	05/08/2025	17:14	PD088435.D	8.09	2.90
PB167914BS	PB167914BS	05/08/2025	17:27	PD088436.D	8.08	2.88
PB167914BSD	PB167914BSD	05/08/2025	17:41	PD088437.D	8.08	2.88
FB-05022025	Q1956-07	05/08/2025	17:55	PD088438.D	8.08	2.88
I.BLK	I.BLK	05/08/2025	18:08	PD088439.D	8.08	2.88
PSTDCCC050	PSTDCCC050	05/08/2025	18:22	PD088440.D	8.08	2.88
I.BLK	I.BLK	04/23/2025	10:50	PL095326.D	8.09	2.91
PEM	PEM	04/23/2025	11:04	PL095327.D	8.09	2.91
RESCHK	RESCHK	04/23/2025	11:18	PL095328.D	8.09	2.91
PSTDICC100	PSTDICC100	04/23/2025	11:31	PL095329.D	8.09	2.91
PSTDICC075	PSTDICC075	04/23/2025	11:45	PL095330.D	8.09	2.91
PSTDICC050	PSTDICC050	04/23/2025	11:59	PL095331.D	8.09	2.91
PSTDICC025	PSTDICC025	04/23/2025	12:12	PL095332.D	8.09	2.91
PSTDICC005	PSTDICC005	04/23/2025	12:26	PL095333.D	8.09	2.91
PCHLORICC500	PCHLORICC500	04/23/2025	13:07	PL095336.D	8.09	2.91
PTOXICC500	PTOXICC500	04/23/2025	14:32	PL095341.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	10:13	PL095560.D	8.09	2.91
PEM	PEM	05/06/2025	12:38	PL095561.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	12:51	PL095562.D	8.09	2.91
PB167878BL	PB167878BL	05/06/2025	13:56	PL095563.D	8.09	2.91
PB167878BS	PB167878BS	05/06/2025	14:26	PL095564.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	14:56	PL095566.D	8.09	2.91
PSTDCCC050	PSTDCCC050	05/06/2025	16:37	PL095567.D	8.09	2.91
SB1-3-4	Q1956-01	05/06/2025	17:36	PL095571.D	8.09	2.91
SB2-4-5	Q1956-02	05/06/2025	17:50	PL095572.D	8.09	2.91
SB2-4-5MS	Q1956-03MS	05/06/2025	18:04	PL095573.D	8.09	2.91
SB2-4-5MSD	Q1956-04MSD	05/06/2025	18:17	PL095574.D	8.09	2.91
SB91-3-4	Q1956-06	05/06/2025	18:31	PL095575.D	8.09	2.91
I.BLK	I.BLK	05/06/2025	18:45	PL095576.D	8.09	2.91

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

Analytical Sequence

PSTDCCC050	PSTDCCC050	05/06/2025	18:58	PL095577.D	8.09	2.91

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167878BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167878BS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.75	6.70	6.80	16.0	17.7
	2	5.95	5.90	6.00	19.1	
4,4'-DDE	1	6.24	6.19	6.29	15.0	17.1
	2	5.40	5.35	5.45	17.8	
4,4'-DDT	1	7.07	7.02	7.12	15.8	14.1
	2	6.21	6.16	6.26	18.2	
alpha-BHC	1	4.05	4.00	4.10	14.0	29.3
	2	3.42	3.37	3.47	18.8	
Aldrin	1	5.32	5.27	5.37	14.9	21
	2	4.39	4.34	4.44	18.4	
alpha-Chlordane	1	6.07	6.02	6.12	15.4	14.5
	2	5.21	5.16	5.26	17.8	
Endosulfan II	1	6.83	6.78	6.88	15.5	16.6
	2	6.10	6.05	6.15	18.3	
Endosulfan sulfate	1	7.20	7.15	7.25	15.7	12.5
	2	6.50	6.45	6.55	17.8	
beta-BHC	1	4.56	4.51	4.61	14.3	18.4
	2	4.05	4.00	4.10	17.2	
delta-BHC	1	4.81	4.76	4.86	14.4	25.5
	2	4.28	4.23	4.33	18.6	
Endosulfan I	1	6.12	6.07	6.17	15.5	11.6
	2	5.27	5.22	5.32	17.4	
Dieldrin	1	6.39	6.34	6.44	15.4	20.9
	2	5.53	5.48	5.58	19.0	
Endrin aldehyde	1	6.96	6.91	7.01	15.8	15.7
	2	6.28	6.23	6.33	18.5	
Methoxychlor	1	7.54	7.49	7.59	14.8	16.7
	2	6.78	6.73	6.83	17.5	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167878BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167878BS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.68	7.63	7.73	15.5	25.4
	2	7.01	6.96	7.06	20.0	
gamma-BHC (Lindane)	1	4.38	4.33	4.43	14.1	25.4
	2	3.75	3.70	3.80	18.2	
Heptachlor	1	4.98	4.93	5.03	14.3	20.7
	2	4.11	4.06	4.16	17.6	
Heptachlor epoxide	1	5.74	5.69	5.79	15.4	16.1
	2	4.90	4.85	4.95	18.1	
gamma-Chlordane	1	5.99	5.94	6.04	15.5	14.9
	2	5.15	5.10	5.20	18.0	
Endrin	1	6.62	6.57	6.67	15.4	19.4
	2	5.81	5.76	5.86	18.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BS **Date(s) Analyzed:** 05/08/2025 05/08/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	0.49	3.8
	2	5.93	5.88	5.98	0.47	
4,4'-DDE	1	6.20	6.15	6.25	0.47	2.7
	2	5.38	5.33	5.43	0.46	
4,4'-DDT	1	7.02	6.97	7.07	0.48	1.6
	2	6.19	6.14	6.24	0.47	
alpha-BHC	1	4.00	3.95	4.05	0.46	3.3
	2	3.40	3.35	3.45	0.45	
Aldrin	1	5.27	5.22	5.32	0.47	3.9
	2	4.37	4.32	4.42	0.46	
alpha-Chlordane	1	6.03	5.98	6.08	0.47	3.5
	2	5.19	5.14	5.24	0.46	
Endosulfan II	1	6.79	6.74	6.84	0.47	2.7
	2	6.08	6.03	6.13	0.46	
Endosulfan sulfate	1	7.15	7.10	7.20	0.48	4.8
	2	6.49	6.44	6.54	0.46	
beta-BHC	1	4.52	4.47	4.57	0.46	1.4
	2	4.03	3.98	4.08	0.47	
delta-BHC	1	4.76	4.71	4.81	0.50	9.7
	2	4.26	4.21	4.31	0.45	
Endosulfan I	1	6.08	6.03	6.13	0.48	3.7
	2	5.25	5.20	5.30	0.46	
Dieldrin	1	6.35	6.30	6.40	0.48	4.5
	2	5.52	5.47	5.57	0.46	
Endrin aldehyde	1	6.92	6.87	6.97	0.49	4.6
	2	6.26	6.21	6.31	0.47	
Methoxychlor	1	7.49	7.44	7.54	0.49	3.8
	2	6.76	6.71	6.81	0.47	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BS **Date(s) Analyzed:** 05/08/2025 05/08/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.63	7.58	7.68	0.49	5.5
	2	6.99	6.94	7.04	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.46	3
	2	3.73	3.68	3.78	0.45	
Heptachlor	1	4.93	4.88	4.98	0.47	4.7
	2	4.09	4.04	4.14	0.45	
Heptachlor epoxide	1	5.69	5.64	5.74	0.47	3.5
	2	4.88	4.83	4.93	0.46	
gamma-Chlordane	1	5.95	5.90	6.00	0.47	2.7
	2	5.13	5.08	5.18	0.46	
Endrin	1	6.58	6.53	6.63	0.49	4.2
	2	5.79	5.74	5.84	0.47	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.79	6.74	6.84	0.48	3.2
	2	6.08	6.03	6.13	0.46	
Endrin aldehyde	1	6.92	6.87	6.97	0.50	4.9
	2	6.26	6.21	6.31	0.47	
Endosulfan sulfate	1	7.15	7.10	7.20	0.49	5.4
	2	6.49	6.44	6.54	0.46	
Methoxychlor	1	7.49	7.44	7.54	0.49	4.1
	2	6.76	6.71	6.81	0.47	
Endrin ketone	1	7.63	7.58	7.68	0.49	6.3
	2	6.99	6.94	7.04	0.46	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	0.47	3.8
	2	3.73	3.68	3.78	0.45	
Heptachlor	1	4.93	4.88	4.98	0.48	5.1
	2	4.09	4.04	4.14	0.45	
delta-BHC	1	4.77	4.72	4.82	0.51	11.6
	2	4.26	4.21	4.31	0.46	
Heptachlor epoxide	1	5.69	5.64	5.74	0.48	4.3
	2	4.88	4.83	4.93	0.46	
Endosulfan I	1	6.08	6.03	6.13	0.48	5.7
	2	5.25	5.20	5.30	0.46	
gamma-Chlordane	1	5.95	5.90	6.00	0.48	4.3
	2	5.13	5.08	5.18	0.46	
Dieldrin	1	6.35	6.30	6.40	0.49	5
	2	5.52	5.47	5.57	0.46	
Endrin	1	6.58	6.53	6.63	0.49	4.3
	2	5.79	5.74	5.84	0.47	
4,4'-DDD	1	6.71	6.66	6.76	0.49	4.4
	2	5.93	5.88	5.98	0.47	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB167914BSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: PB167914BSD **Date(s) Analyzed:** 05/08/2025 05/08/2025

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 FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDT	1	7.02	6.97	7.07	0.48	0.9
	2	6.19	6.14	6.24	0.47	
alpha-BHC	1	4.00	3.95	4.05	0.47	3.7
	2	3.40	3.35	3.45	0.45	
Aldrin	1	5.27	5.22	5.32	0.48	3.8
	2	4.37	4.32	4.42	0.46	
beta-BHC	1	4.52	4.47	4.57	0.47	1.3
	2	4.03	3.98	4.08	0.47	
alpha-Chlordane	1	6.03	5.98	6.08	0.48	4.9
	2	5.19	5.14	5.24	0.46	
4,4'-DDE	1	6.20	6.15	6.25	0.48	1.6
	2	5.38	5.33	5.43	0.47	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-02 **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin	1	6.62	6.57	6.67	0.32	72.7
	2	5.81	5.76	5.86	0.15	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-03MS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.75	6.70	6.80	19.1	10.4
	2	5.95	5.90	6.00	21.2	
4,4'-DDT	1	7.07	7.02	7.12	17.3	15
	2	6.21	6.16	6.26	20.1	
alpha-BHC	1	4.04	3.99	4.09	17.4	28.6
	2	3.42	3.37	3.47	23.2	
Aldrin	1	5.32	5.27	5.37	18.1	19.9
	2	4.39	4.34	4.44	22.1	
4,4'-DDE	1	6.24	6.19	6.29	17.7	13.7
	2	5.40	5.35	5.45	20.3	
Endosulfan II	1	6.83	6.78	6.88	17.0	16.7
	2	6.10	6.05	6.15	20.1	
Endrin aldehyde	1	6.96	6.91	7.01	18.6	6.2
	2	6.28	6.23	6.33	19.8	
Endosulfan sulfate	1	7.20	7.15	7.25	17.4	10.4
	2	6.50	6.45	6.55	19.3	
Methoxychlor	1	7.54	7.49	7.59	16.7	14.4
	2	6.78	6.73	6.83	19.3	
Endrin ketone	1	7.68	7.63	7.73	16.5	24.5
	2	7.01	6.96	7.06	21.1	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.4	24.2
	2	3.76	3.71	3.81	22.2	
Heptachlor	1	4.97	4.92	5.02	17.2	20.8
	2	4.11	4.06	4.16	21.2	
beta-BHC	1	4.56	4.51	4.61	17.0	19.6
	2	4.05	4.00	4.10	20.7	
delta-BHC	1	4.81	4.76	4.86	17.5	24.1
	2	4.29	4.24	4.34	22.3	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MS

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-03MS **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Heptachlor epoxide	1	5.74	5.69	5.79	18.3	15.2
	2	4.90	4.85	4.95	21.3	
Endosulfan I	1	6.12	6.07	6.17	17.9	16.9
	2	5.27	5.22	5.32	21.2	
gamma-Chlordane	1	5.99	5.94	6.04	18.6	14.9
	2	5.15	5.10	5.20	21.6	
alpha-Chlordane	1	6.07	6.02	6.12	18.1	15.3
	2	5.22	5.17	5.27	21.1	
Dieldrin	1	6.39	6.34	6.44	17.5	18.7
	2	5.54	5.49	5.59	21.1	
Endrin	1	6.62	6.57	6.67	17.8	16
	2	5.81	5.76	5.86	20.9	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-04MSD **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.83	6.78	6.88	17.0	20.1
	2	6.10	6.05	6.15	20.8	
4,4'-DDD	1	6.75	6.70	6.80	18.2	17.5
	2	5.95	5.90	6.00	21.7	
4,4'-DDT	1	7.07	7.02	7.12	17.7	16.6
	2	6.21	6.16	6.26	20.9	
Endosulfan sulfate	1	7.20	7.15	7.25	17.5	9.8
	2	6.50	6.45	6.55	19.3	
alpha-BHC	1	4.05	4.00	4.10	17.4	29.4
	2	3.42	3.37	3.47	23.4	
Aldrin	1	5.32	5.27	5.37	18.2	20.7
	2	4.39	4.34	4.44	22.4	
beta-BHC	1	4.56	4.51	4.61	16.9	21.2
	2	4.05	4.00	4.10	20.9	
delta-BHC	1	4.81	4.76	4.86	17.5	25.4
	2	4.29	4.24	4.34	22.6	
Endosulfan I	1	6.12	6.07	6.17	17.9	18.7
	2	5.27	5.22	5.32	21.6	
alpha-Chlordane	1	6.07	6.02	6.12	18.0	17.3
	2	5.21	5.16	5.26	21.4	
4,4'-DDE	1	6.24	6.19	6.29	17.9	14.5
	2	5.40	5.35	5.45	20.7	
Dieldrin	1	6.39	6.34	6.44	17.5	20.5
	2	5.54	5.49	5.59	21.5	
Endrin aldehyde	1	6.96	6.91	7.01	17.9	14.5
	2	6.28	6.23	6.33	20.7	
Methoxychlor	1	7.54	7.49	7.59	16.6	17.1
	2	6.78	6.73	6.83	19.7	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB2-4-5MSD

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-04MSD **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.68	7.63	7.73	16.8	24.1
	2	7.01	6.96	7.06	21.4	
gamma-BHC (Lindane)	1	4.37	4.32	4.42	17.3	25.3
	2	3.76	3.71	3.81	22.3	
Heptachlor	1	4.97	4.92	5.02	17.1	22.3
	2	4.11	4.06	4.16	21.4	
Heptachlor epoxide	1	5.74	5.69	5.79	18.2	17.1
	2	4.90	4.85	4.95	21.6	
gamma-Chlordane	1	5.99	5.94	6.04	18.4	17.8
	2	5.15	5.10	5.20	22.0	
Endrin	1	6.62	6.57	6.67	17.7	19.4
	2	5.81	5.76	5.86	21.5	

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

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

SB91-3-4

Contract: CAMP02

Lab Code: CHEM **Case No.:** Q1956 **SAS No.:** Q1956 **SDG NO.:** Q1956

Lab Sample ID: Q1956-06 **Date(s) Analyzed:** 05/06/2025 05/06/2025

Instrument ID (1): ECD_L **Instrument ID (2):** ECD_L

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.08	6.03	6.13	0.32	55.9
	2	5.21	5.16	5.26	0.18	

QC SAMPLE DATA

Raw Data: **PL095563.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BL	SDG No.:	Q1956
Lab Sample ID:	PB167878BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095563.D	1	05/06/25 08:55	05/06/25 13:56	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	1.70	U	0.13	1.70	ug/kg
319-85-7	beta-BHC	1.70	U	0.18	1.70	ug/kg
319-86-8	delta-BHC	1.70	U	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	1.70	U	0.14	1.70	ug/kg
76-44-8	Heptachlor	1.70	U	0.12	1.70	ug/kg
309-00-2	Aldrin	1.70	U	0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	1.70	U	0.19	1.70	ug/kg
959-98-8	Endosulfan I	1.70	U	0.14	1.70	ug/kg
60-57-1	Dieldrin	1.70	U	0.14	1.70	ug/kg
72-55-9	4,4-DDE	1.70	U	0.14	1.70	ug/kg
72-20-8	Endrin	1.70	U	0.14	1.70	ug/kg
33213-65-9	Endosulfan II	1.70	U	0.29	1.70	ug/kg
72-54-8	4,4-DDD	1.70	U	0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	1.70	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	1.70	U	0.14	1.70	ug/kg
72-43-5	Methoxychlor	1.70	U	0.37	1.70	ug/kg
53494-70-5	Endrin ketone	1.70	U	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	1.70	U	0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	1.70	U	0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	1.70	U	0.15	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	25.1		20 - 144	125%	SPK: 20
877-09-8	Tetrachloro-m-xylene	25.9		19 - 148	130%	SPK: 20

Raw Data: **PL095563.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BL	SDG No.:	Q1956
Lab Sample ID:	PB167878BL	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095563.D	1	05/06/25 08:55	05/06/25 13:56	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095563.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 13:56
Operator : AR\AJ
Sample : PB167878BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167878BL

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.597	2.909	70292837	82512954	21.531m	25.949
28)	SA Decachlor...	9.126	8.091	61376092	74162158	22.151	25.061
	Target Compounds						

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

Sample Results: **PL095563.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 13:56
Operator : AR\AJ
Sample : PB167878BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

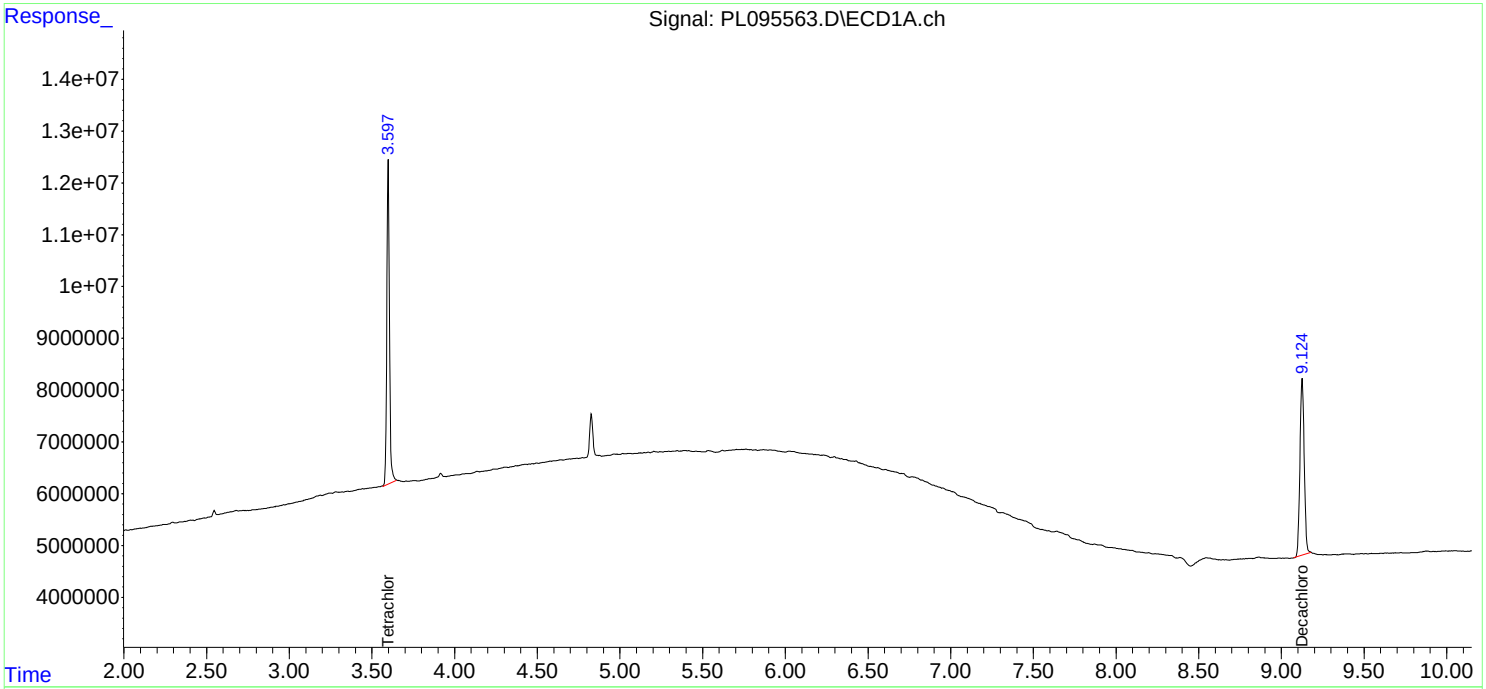
Instrument :
ECD_L
ClientSampleId :
PB167878BL

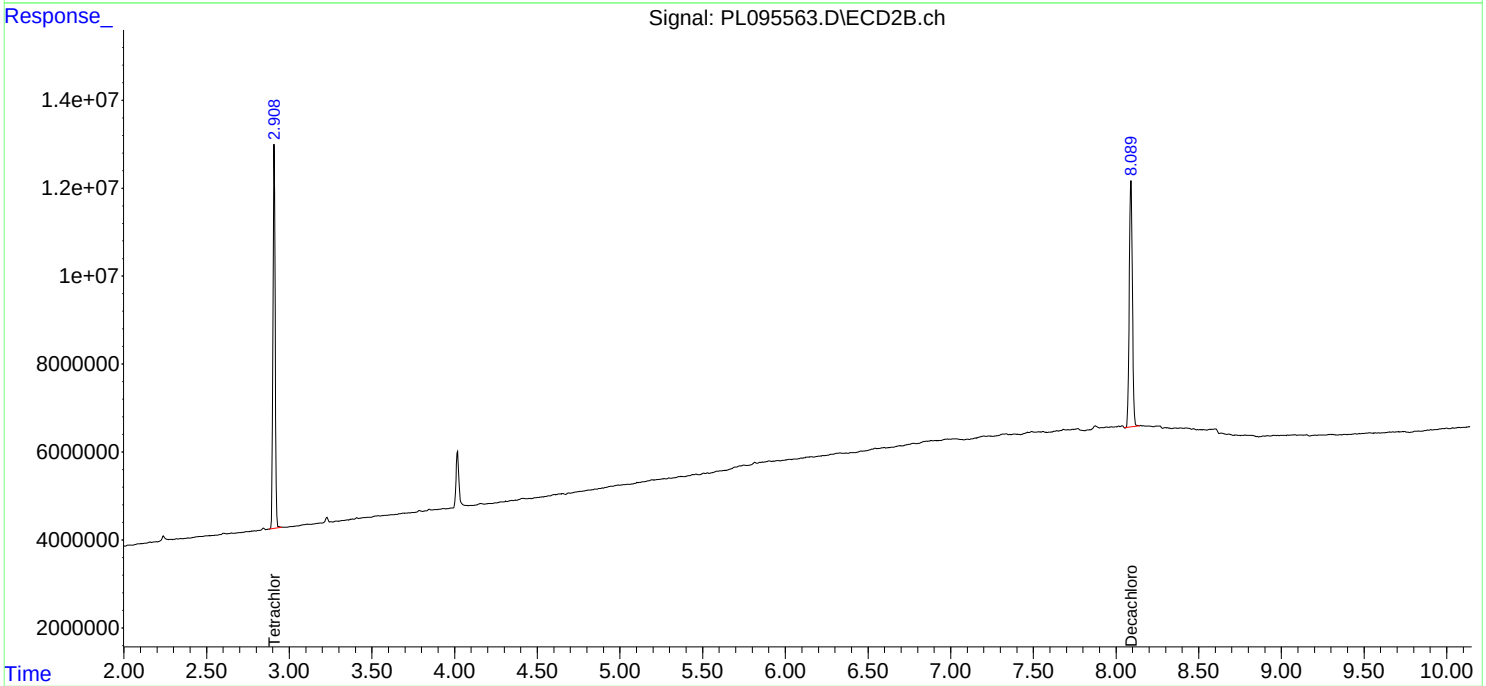
Manual Integrations APPROVED

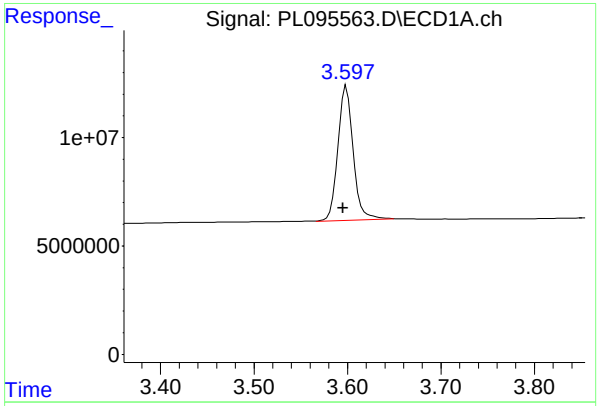
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







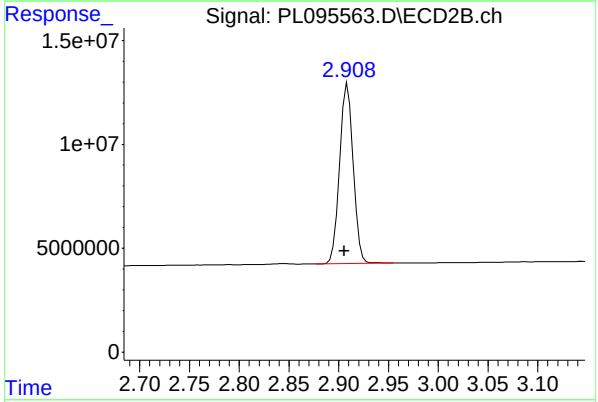
#1 Tetrachloro-m-xylene

R.T.: 3.597 min
Delta R.T.: 0.002 min
Response: 70292837
Conc: 21.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167878BL

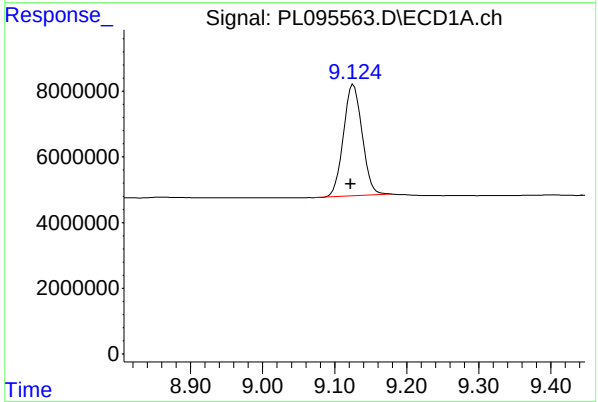
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



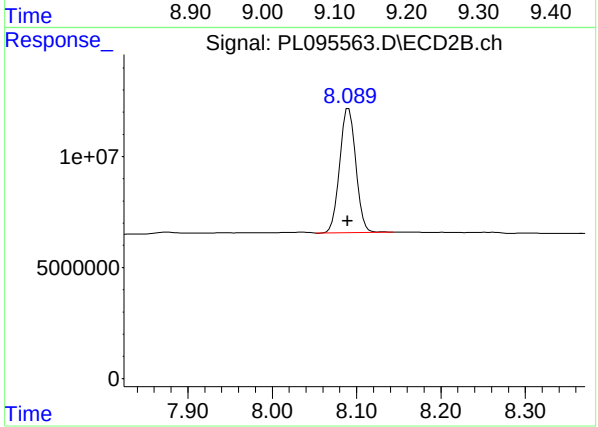
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 82512954
Conc: 25.95 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.126 min
Delta R.T.: 0.004 min
Response: 61376092
Conc: 22.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 74162158
Conc: 25.06 ng/ml

Raw Data: **PD088435.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BL	SDG No.:	Q1956
Lab Sample ID:	PB167914BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088435.D	1	05/08/25 08:51	05/08/25 17:14	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.7		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		77 - 126	94%	SPK: 20

Raw Data: **PD088435.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BL	SDG No.:	Q1956
Lab Sample ID:	PB167914BL	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088435.D	1	05/08/25 08:51	05/08/25 17:14	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\PD050825\
Data File : PD088435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:14
Operator : AR\AJ
Sample : PB167914BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167914BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:41 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	2.899	35684499	273.8E6	17.866	18.725
28)	SA Decachlor...	9.075	8.092	68450031	371.6E6	20.692	20.109
	Target Compounds						

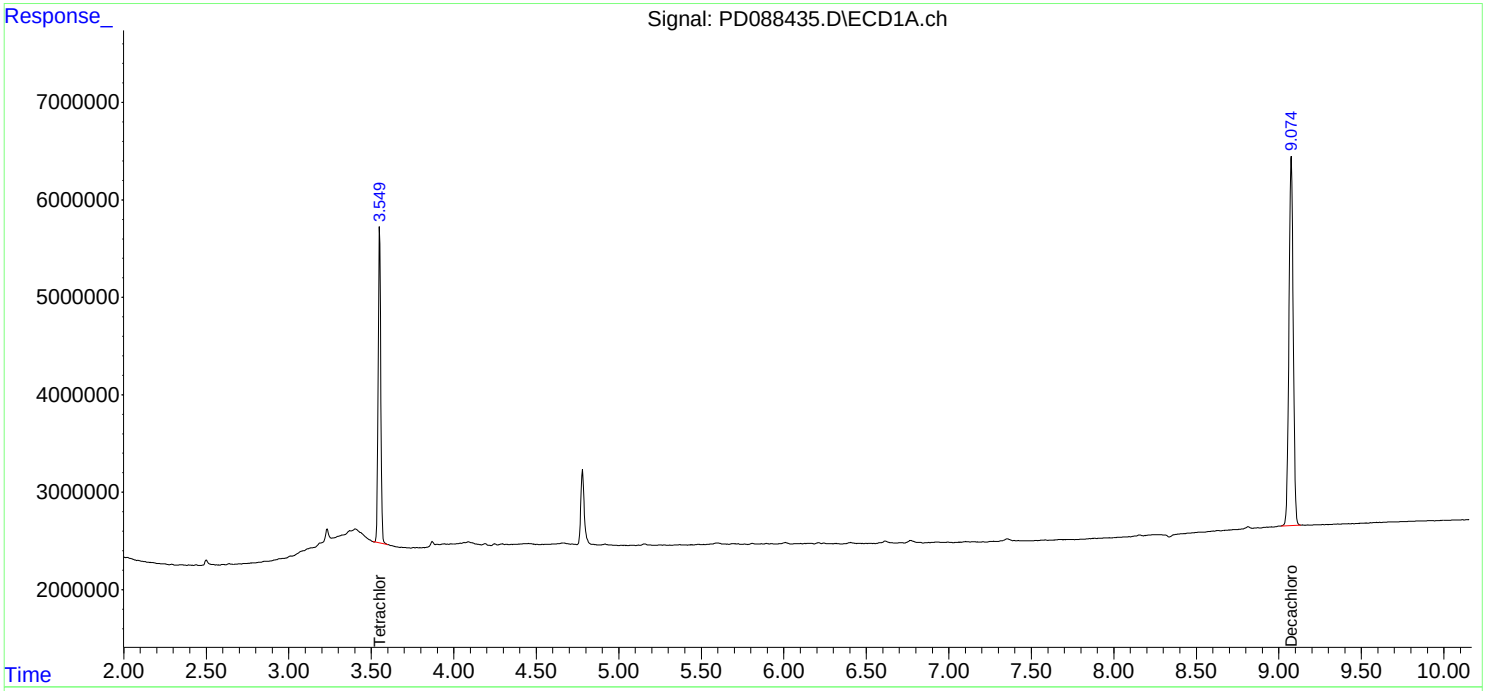
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

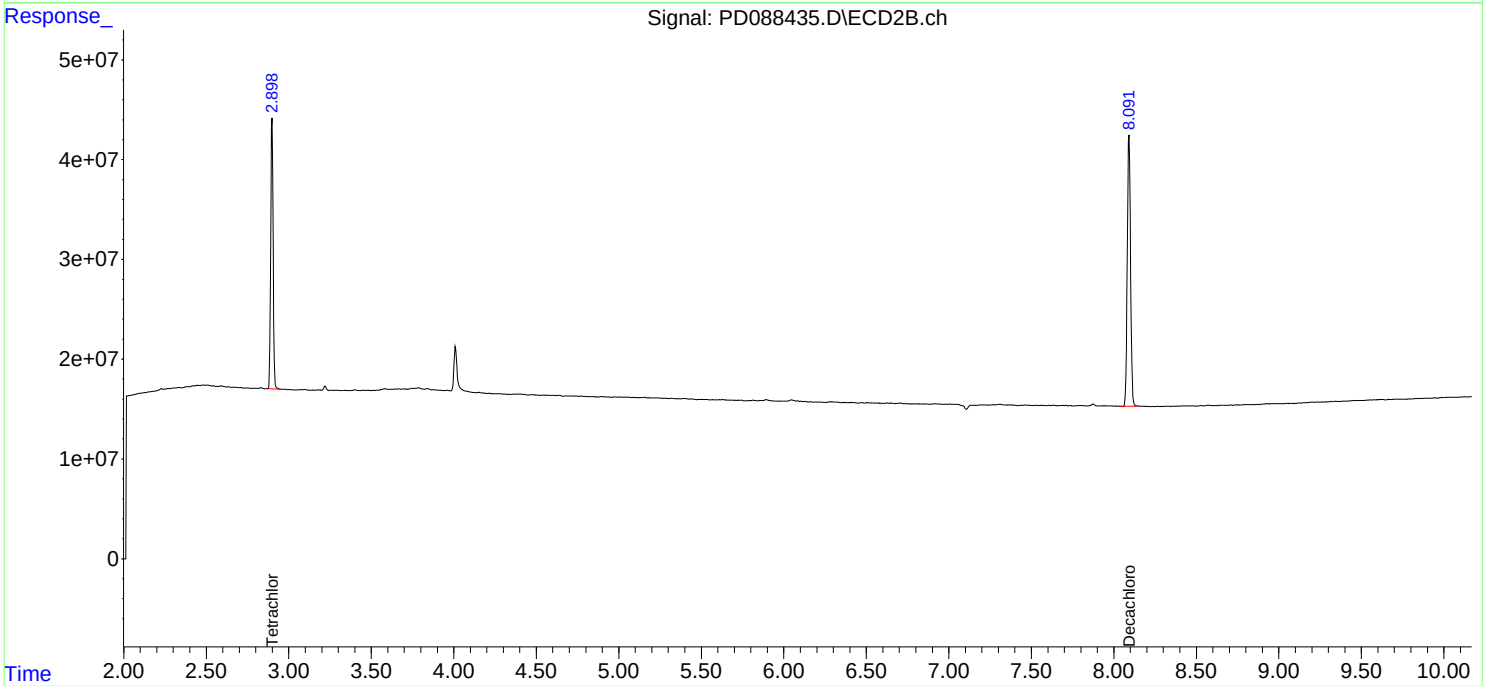
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:14
Operator : AR\AJ
Sample : PB167914BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

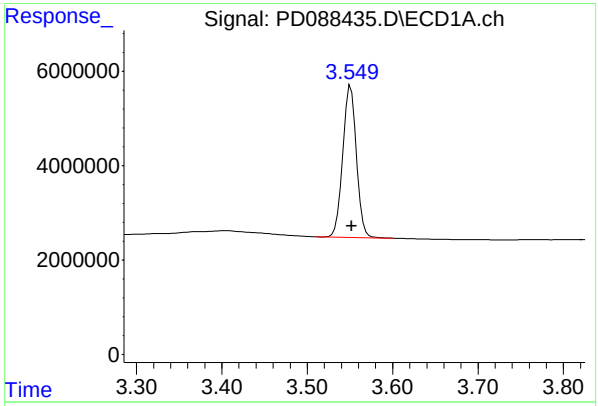
Instrument :
ECD_D
ClientSampleId :
PB167914BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:41 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



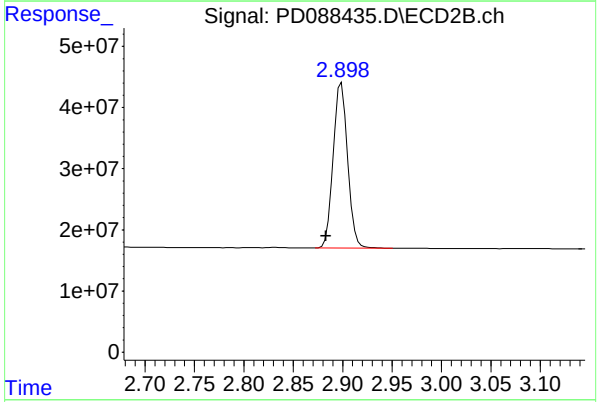




#1 Tetrachloro-m-xylene

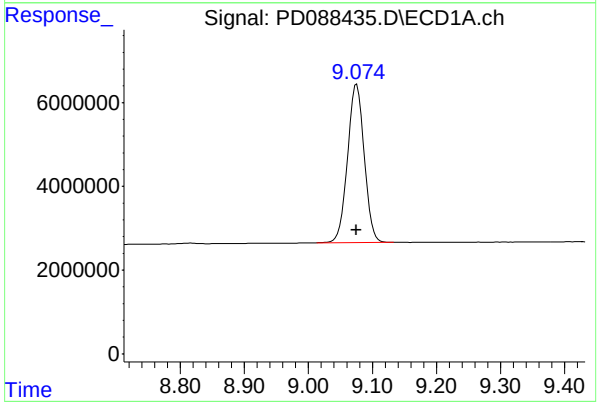
R.T.: 3.551 min
Delta R.T.: -0.001 min
Response: 35684499
Conc: 17.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB167914BL



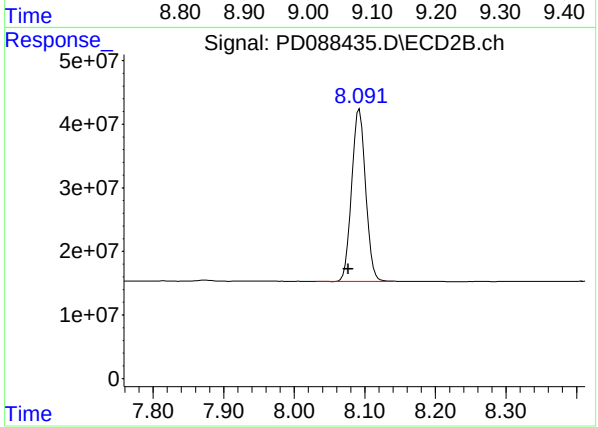
#1 Tetrachloro-m-xylene

R.T.: 2.899 min
Delta R.T.: 0.016 min
Response: 273788409
Conc: 18.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 68450031
Conc: 20.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.092 min
Delta R.T.: 0.015 min
Response: 371614693
Conc: 20.11 ng/ml

Raw Data: **PD088121.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	Bergen Point Fueling System	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
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						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	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

Raw Data: **PD088121.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/18/25
Project:	Bergen Point Fueling System	Date Received:	04/18/25
Client Sample ID:	PIBLK-PD088121.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088121.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
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

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\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						

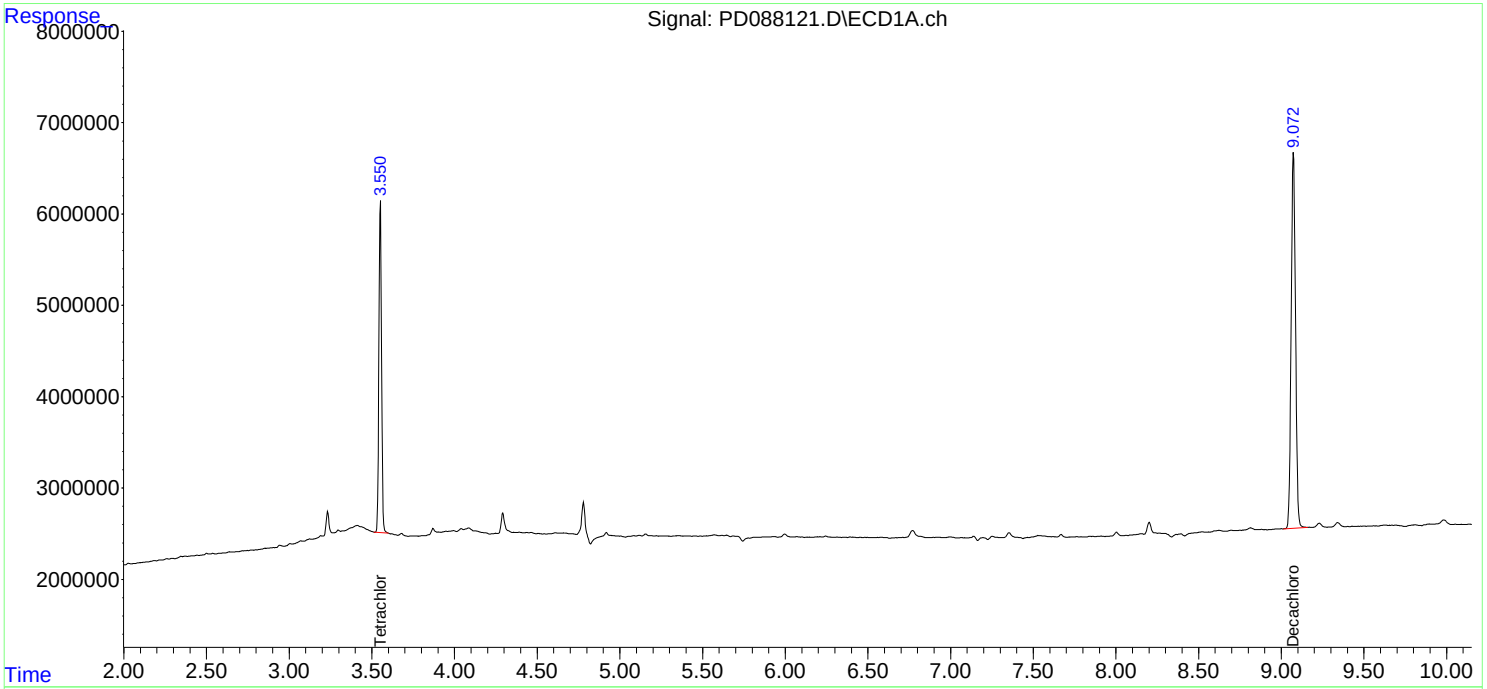
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

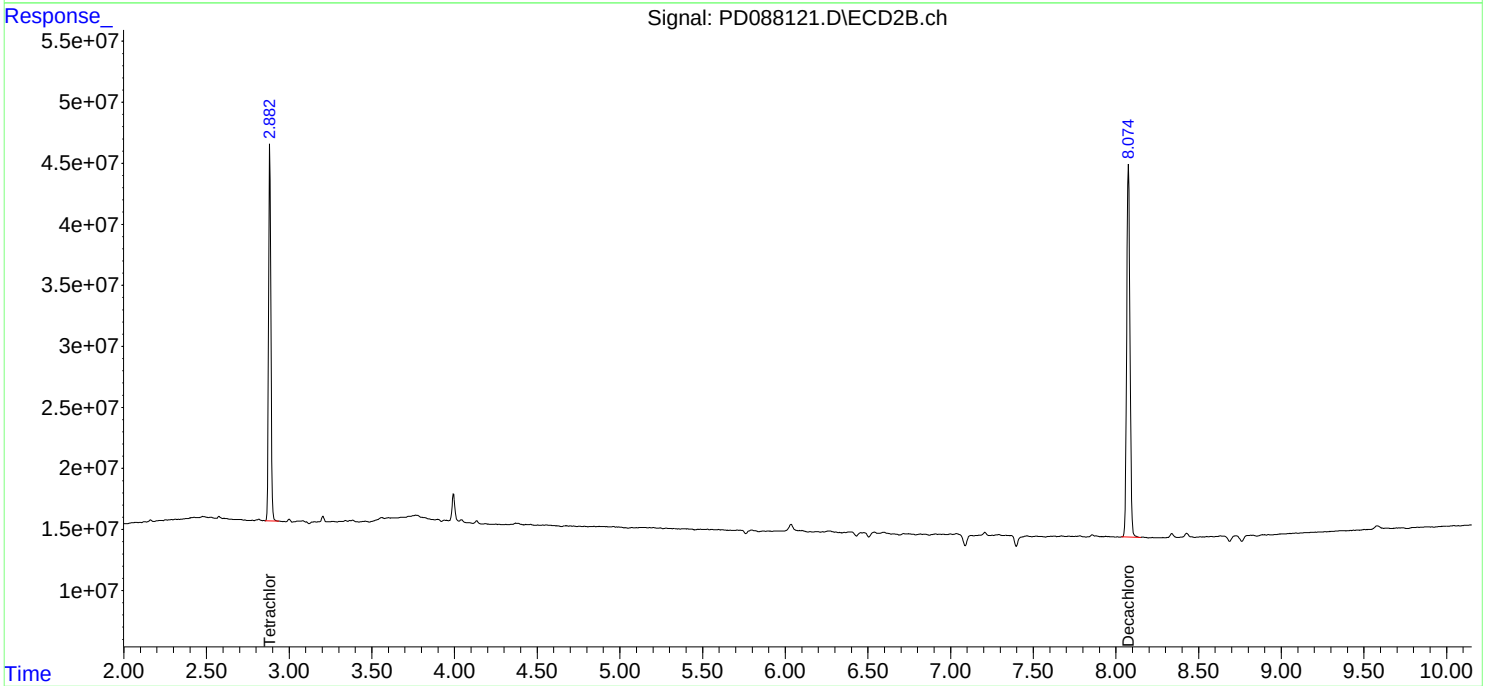
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD041825\
Data File : PD088121.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Apr 2025 13:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

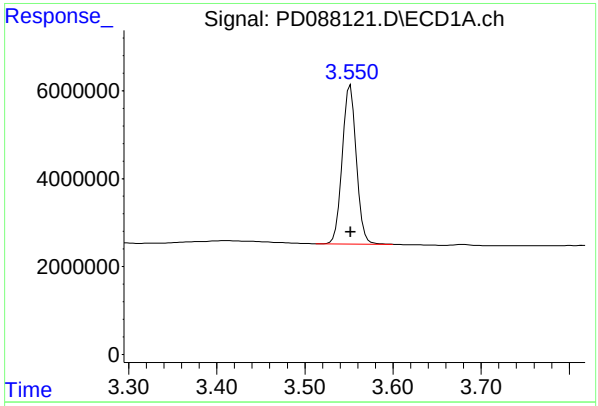
Instrument :
ECD_D
ClientSampleId :
I.BLK

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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm



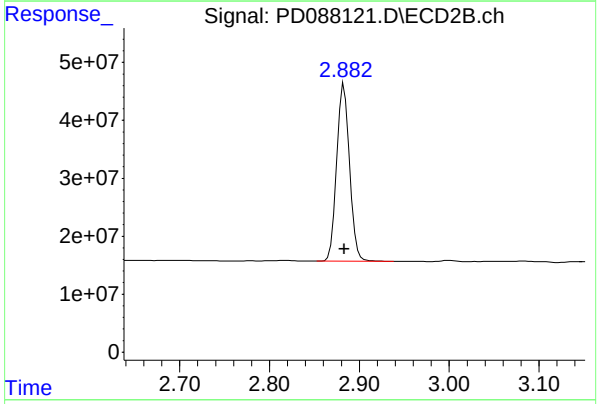




#1 Tetrachloro-m-xylene

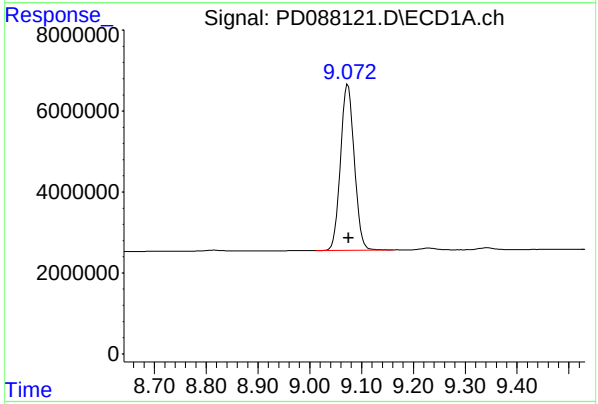
R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 40168059
Conc: 20.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



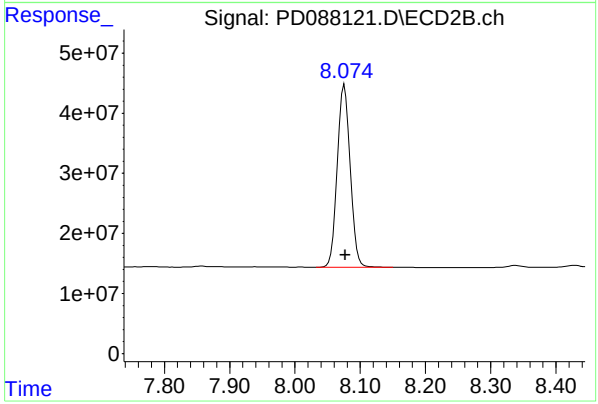
#1 Tetrachloro-m-xylene

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

Raw Data: **PD088432.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088432.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088432.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088432.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.5		43 - 140	98%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.9		77 - 126	84%	SPK: 20

Raw Data: **PD088432.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088432.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088432.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088432.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PD088432.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 16:33
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 09 02:03:51 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	2.881	33662799	244.8E6	16.853	16.745
28)	SA Decachlor...	9.083	8.078	64269204	360.6E6	19.428	19.516
	Target Compounds						

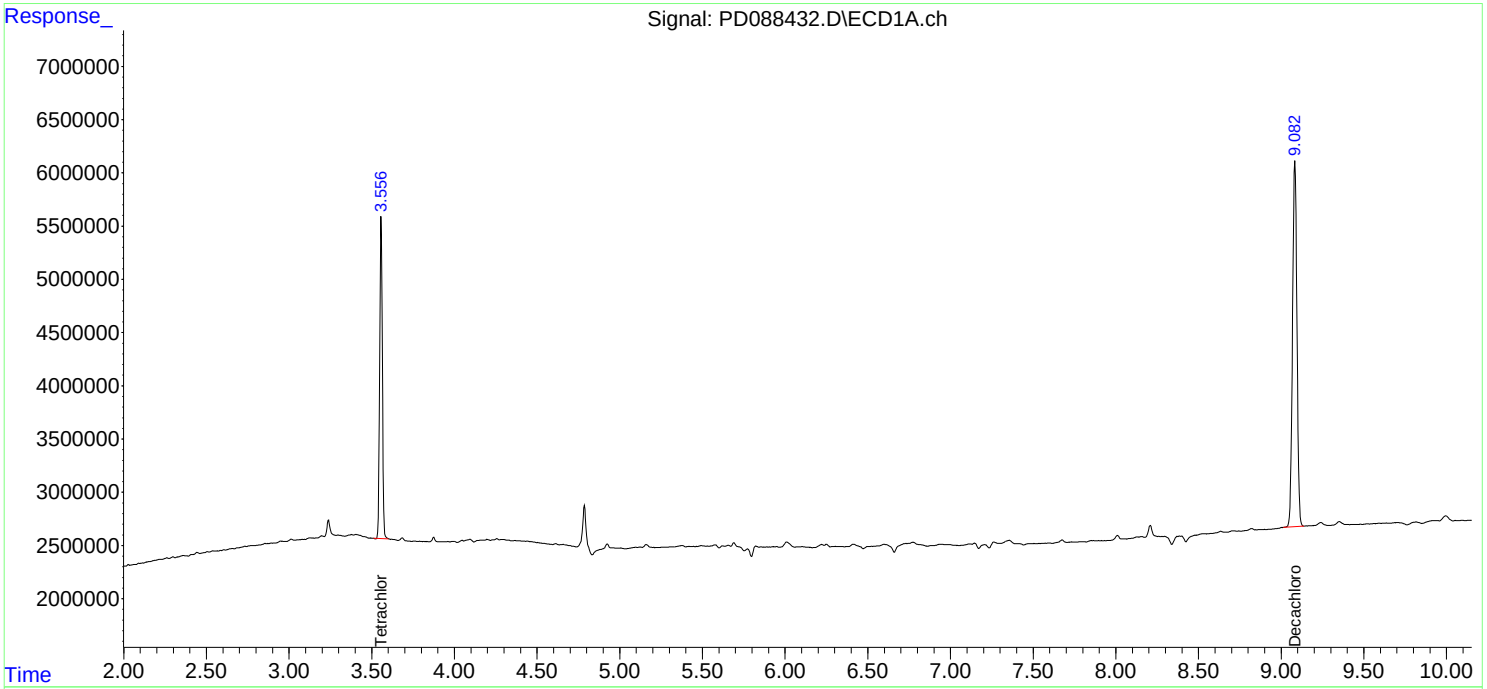
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

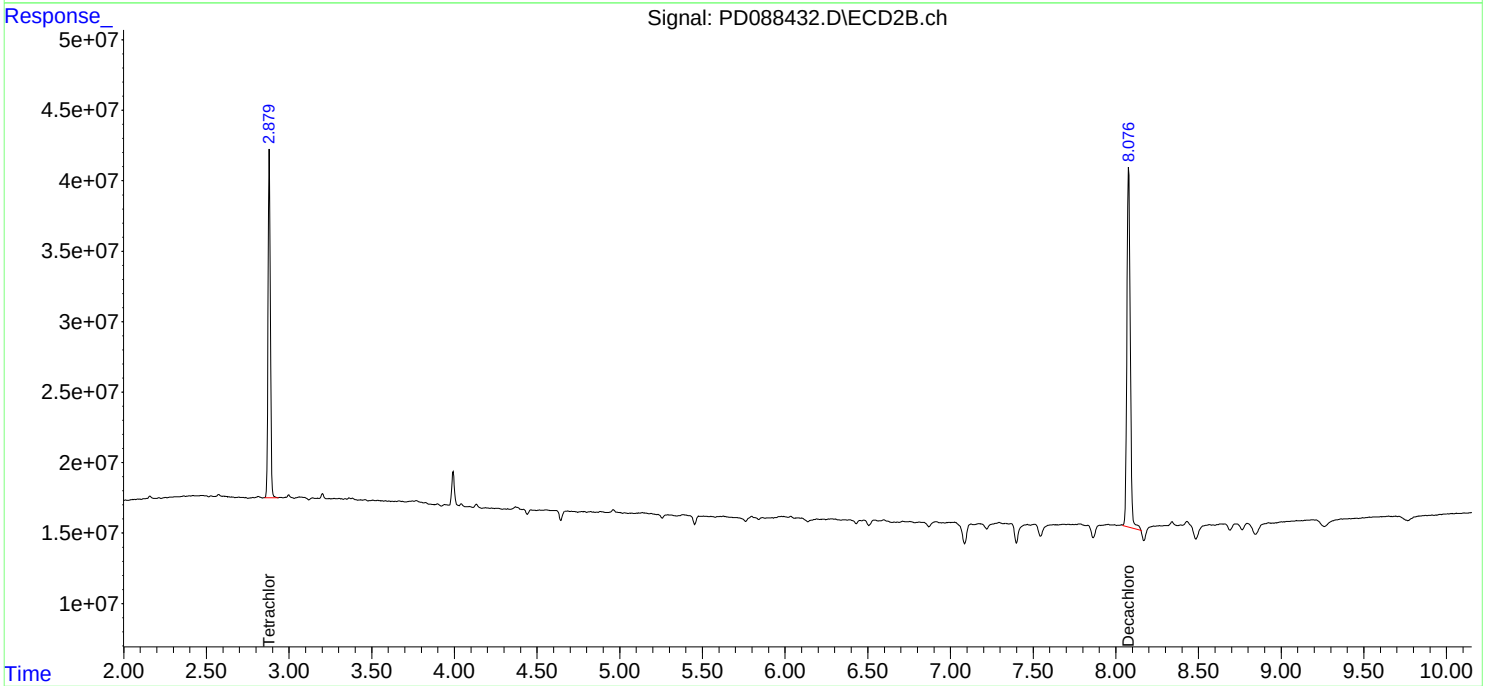
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088432.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 16:33
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

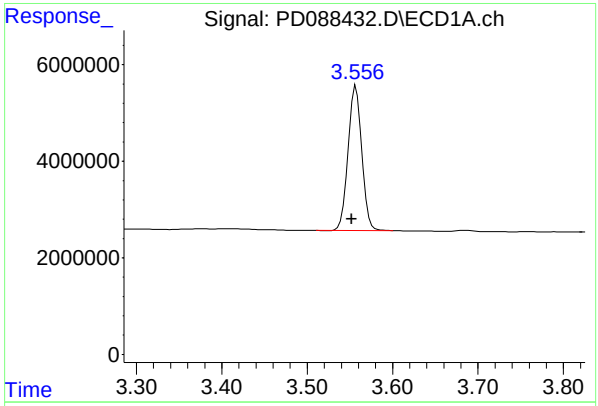
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:03:51 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



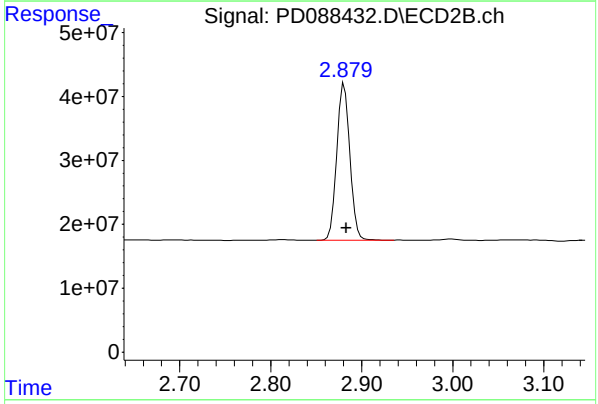




#1 Tetrachloro-m-xylene

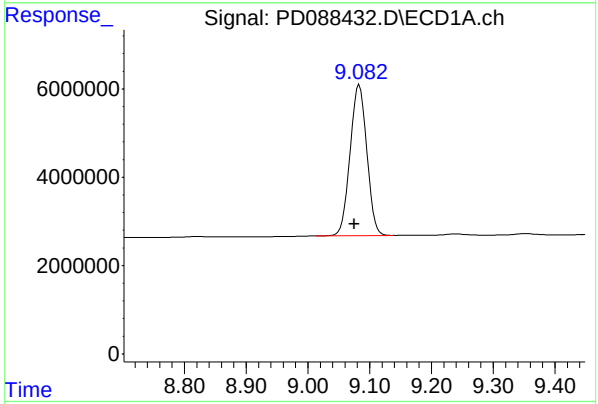
R.T.: 3.557 min
Delta R.T.: 0.005 min
Response: 33662799
Conc: 16.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



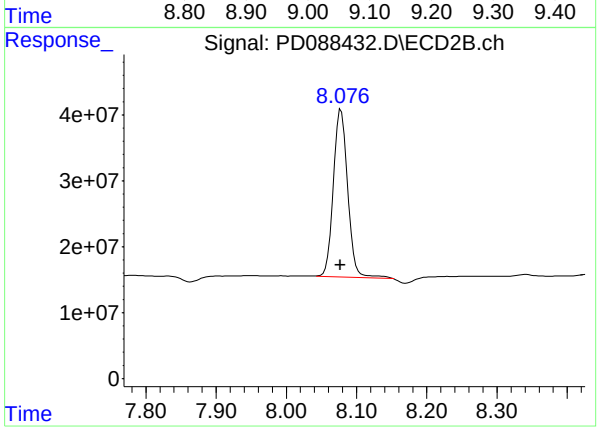
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 244838997
Conc: 16.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.083 min
Delta R.T.: 0.008 min
Response: 64269204
Conc: 19.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: 0.001 min
Response: 360649242
Conc: 19.52 ng/ml

Raw Data: **PD088439.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088439.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088439.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088439.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.4		43 - 140	97%	SPK: 20
877-09-8	Tetrachloro-m-xylene	16.8		77 - 126	84%	SPK: 20

Raw Data: **PD088439.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/08/25
Project:	Bergen Point Fueling System	Date Received:	05/08/25
Client Sample ID:	PIBLK-PD088439.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PD088439.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088439.D	1		05/08/25	pd050825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PD088439.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 18:08
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 09 02:05:33 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	33510591	244.5E6	16.777	16.724
28)	SA Decachlor...	9.075	8.076	64208866	351.6E6	19.410	19.025
	Target Compounds						

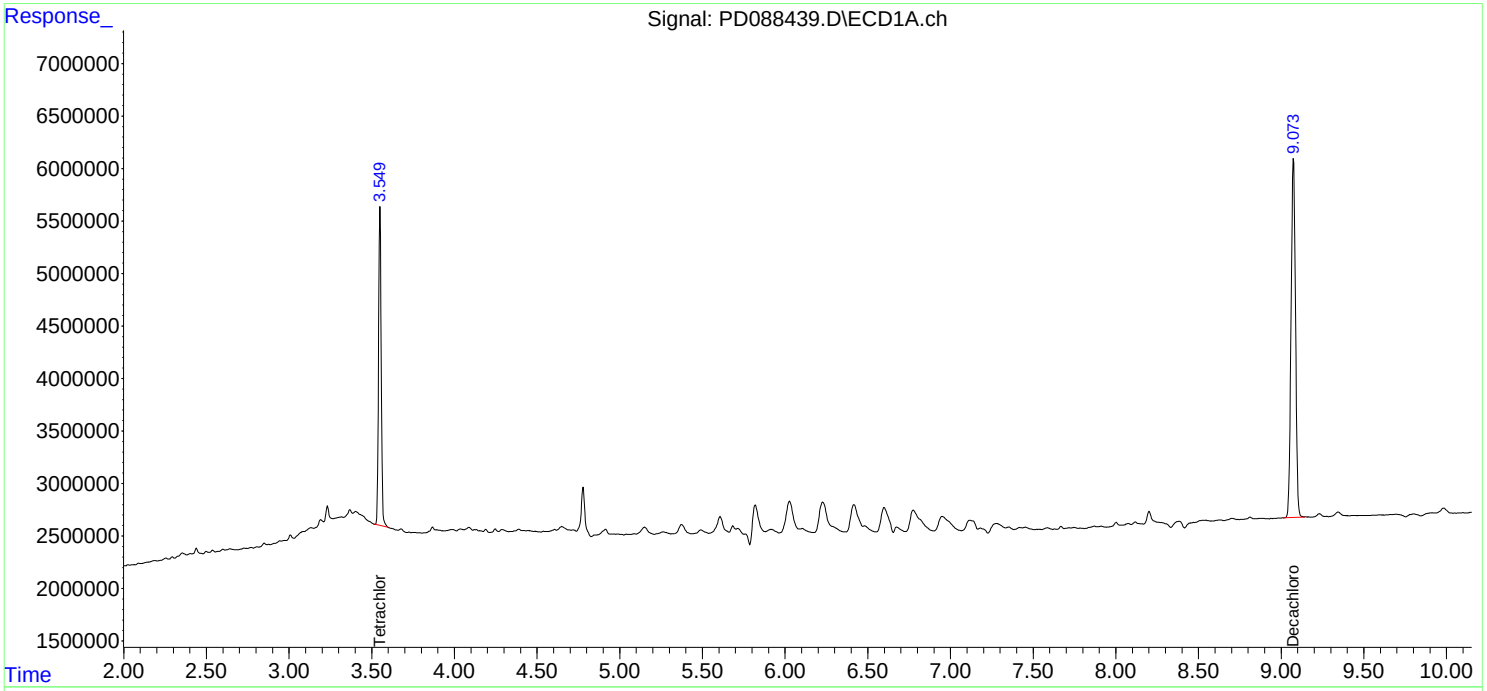
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

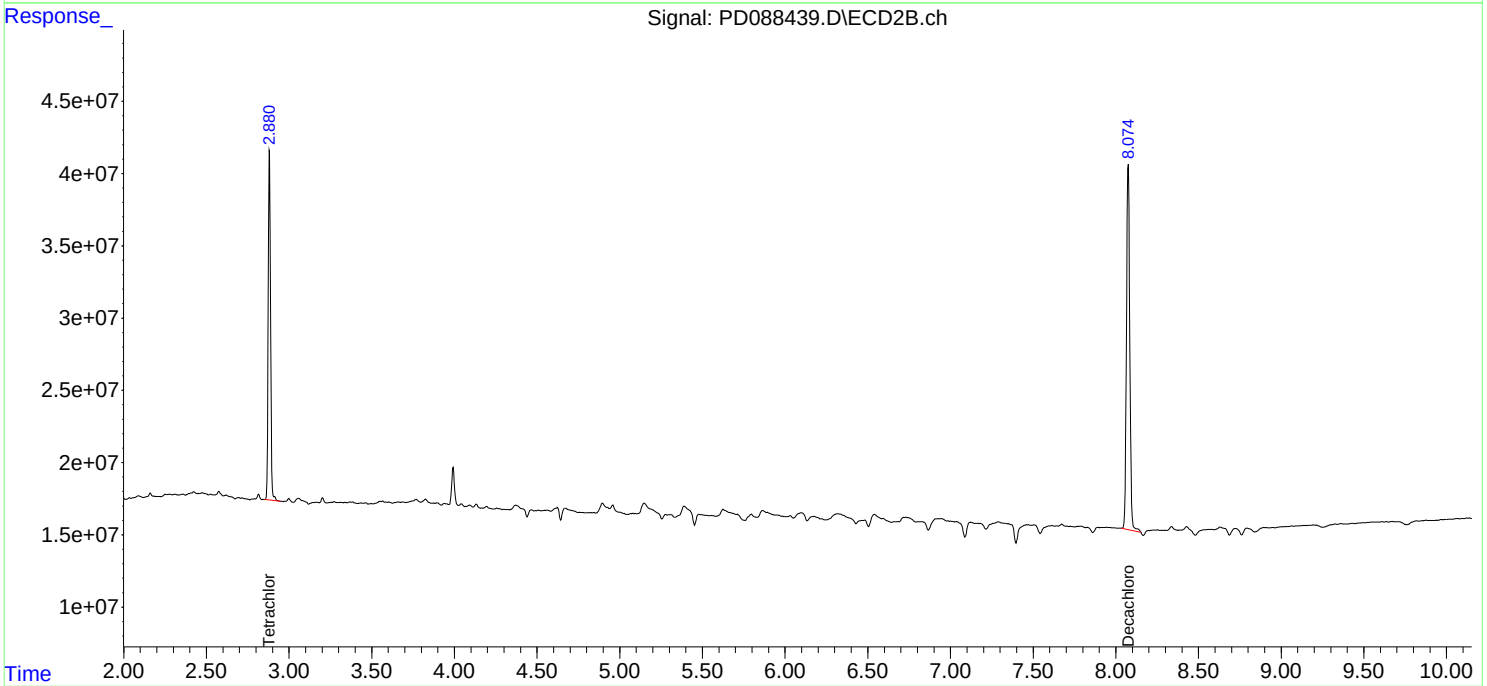
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088439.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 18:08
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

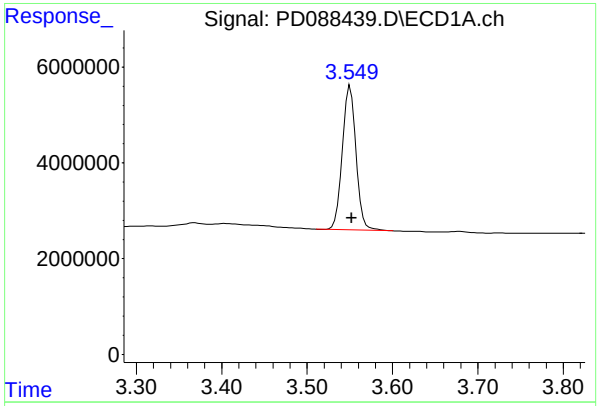
Instrument :
ECD_D
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:33 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



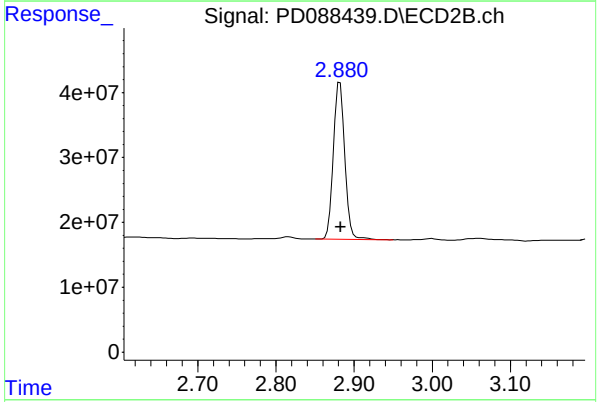




#1 Tetrachloro-m-xylene

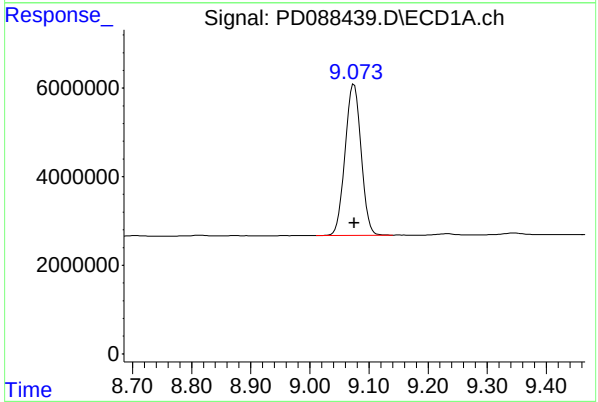
R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 33510591
Conc: 16.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
I.BLK



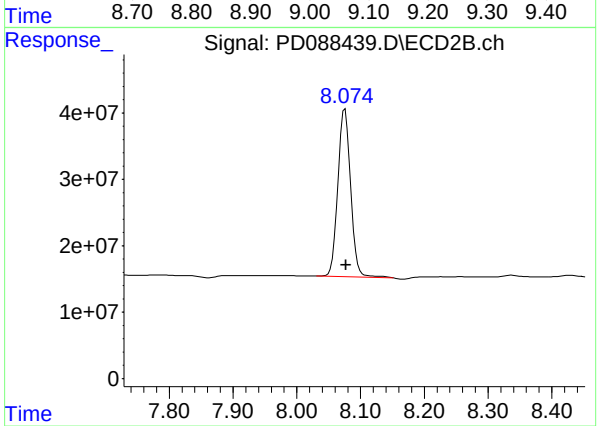
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 244534351
Conc: 16.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.000 min
Response: 64208866
Conc: 19.41 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 351565769
Conc: 19.02 ng/ml

Raw Data: **PL095326.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/23/25
Project:	Bergen Point Fueling System	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.9		43 - 140	94%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.3		77 - 126	87%	SPK: 20

Raw Data: **PL095326.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/23/25
Project:	Bergen Point Fueling System	Date Received:	04/23/25
Client Sample ID:	PIBLK-PL095326.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095326.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095326.D	1		04/23/25	pl042325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095326.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.594	2.905	56524147	54455545	17.314	17.126
28)	SA Decachlor...	9.121	8.088	52237002	53755420	18.853	18.165
	Target Compounds						

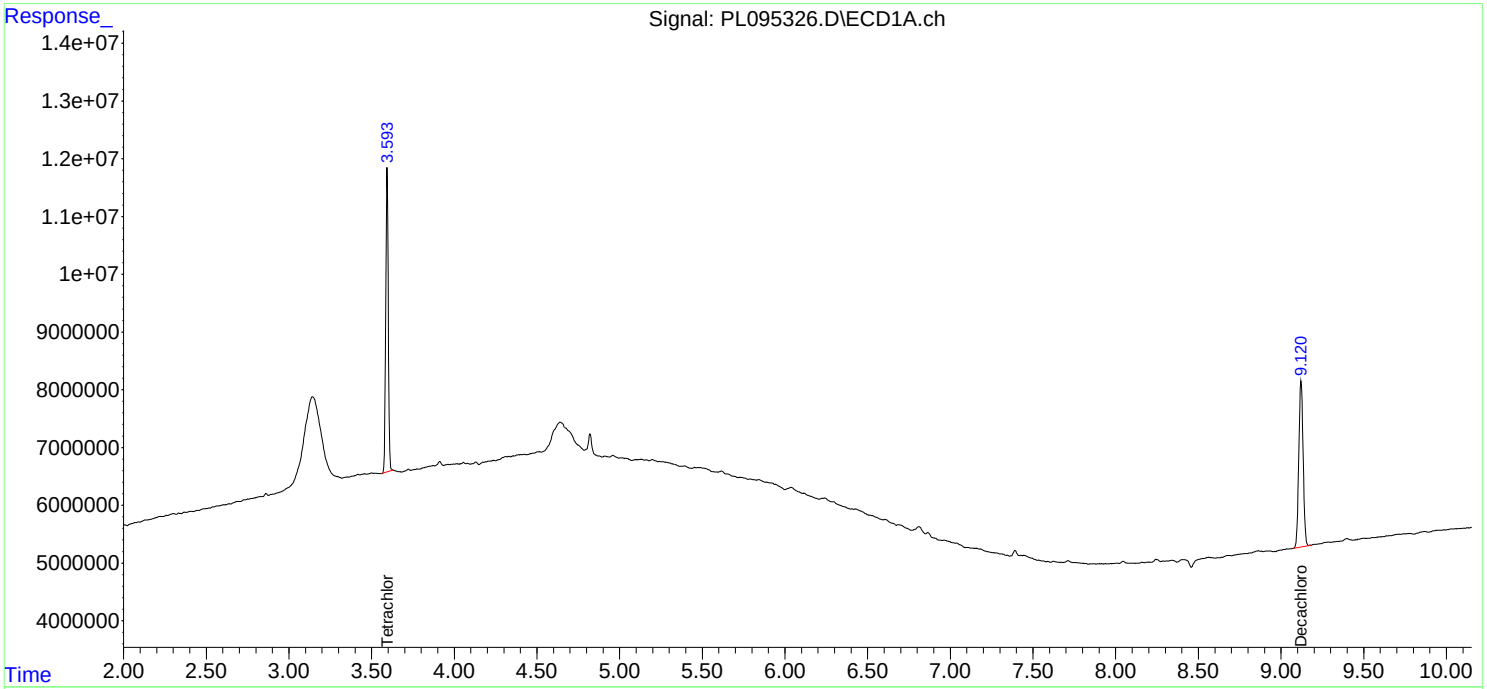
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

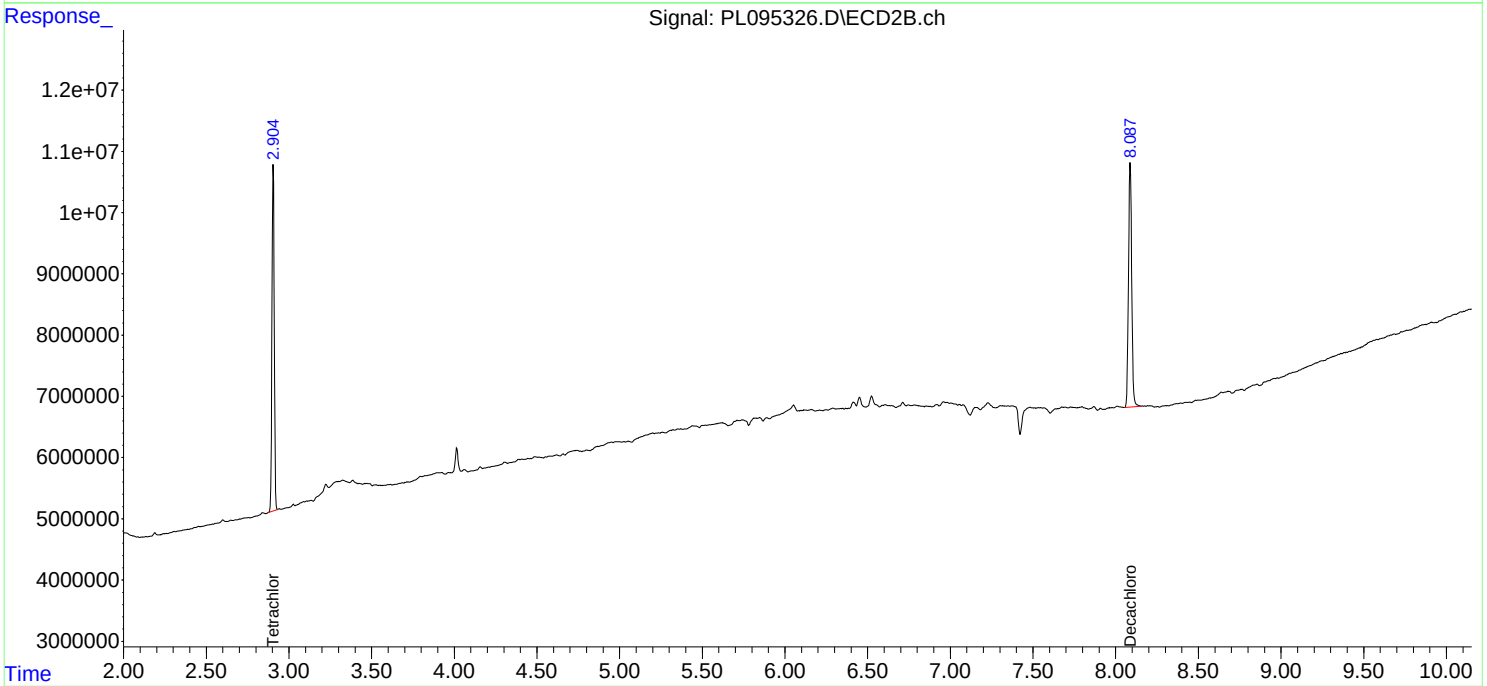
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL042325\
Data File : PL095326.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Apr 2025 10:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

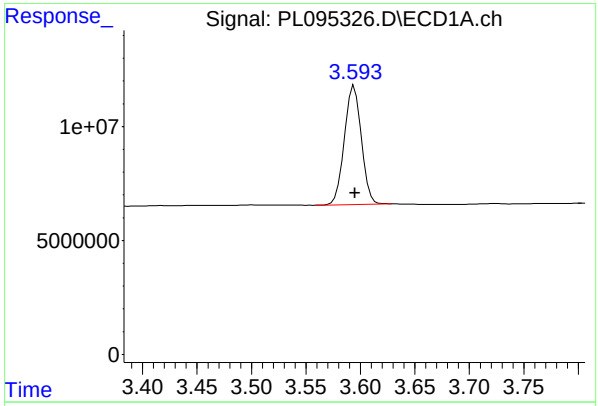
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 23 14:09:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 14:07:39 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 x0.25µm



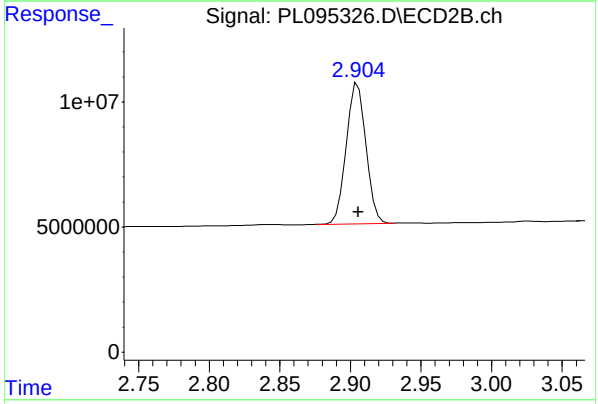




#1 Tetrachloro-m-xylene

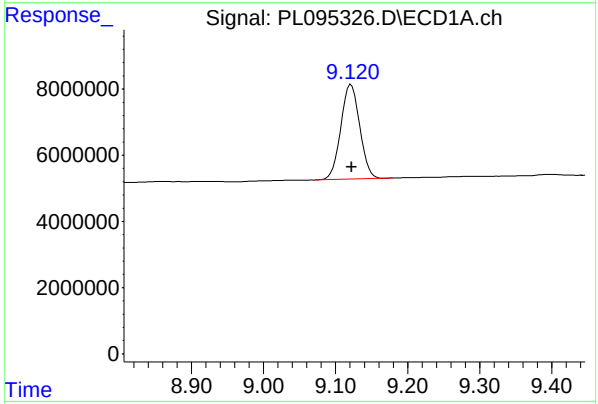
R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 56524147
Conc: 17.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



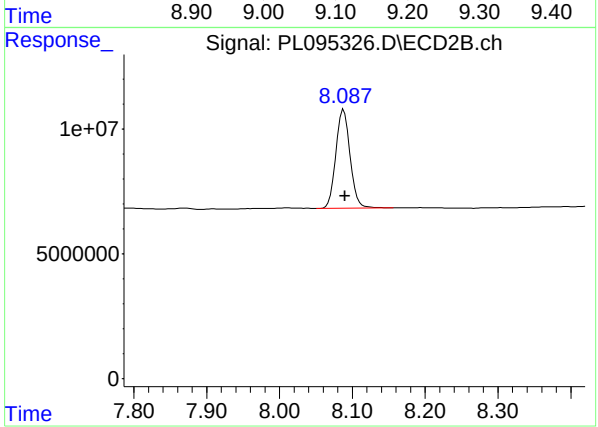
#1 Tetrachloro-m-xylene

R.T.: 2.905 min
Delta R.T.: 0.000 min
Response: 54455545
Conc: 17.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: 0.000 min
Response: 52237002
Conc: 18.85 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.001 min
Response: 53755420
Conc: 18.17 ng/ml

Raw Data: **PL095560.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095560.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095560.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095560.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.6		43 - 140	103%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.9		77 - 126	104%	SPK: 20

Raw Data: **PL095560.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095560.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095560.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095560.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095560.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 10:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.594	2.913	58643367	66378571	17.963m	20.875
28)	SA Decachlor...	9.121	8.091	54780398	61072212	19.771	20.638
	Target Compounds						

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

Sample Results: **PL095560.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 10:13
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

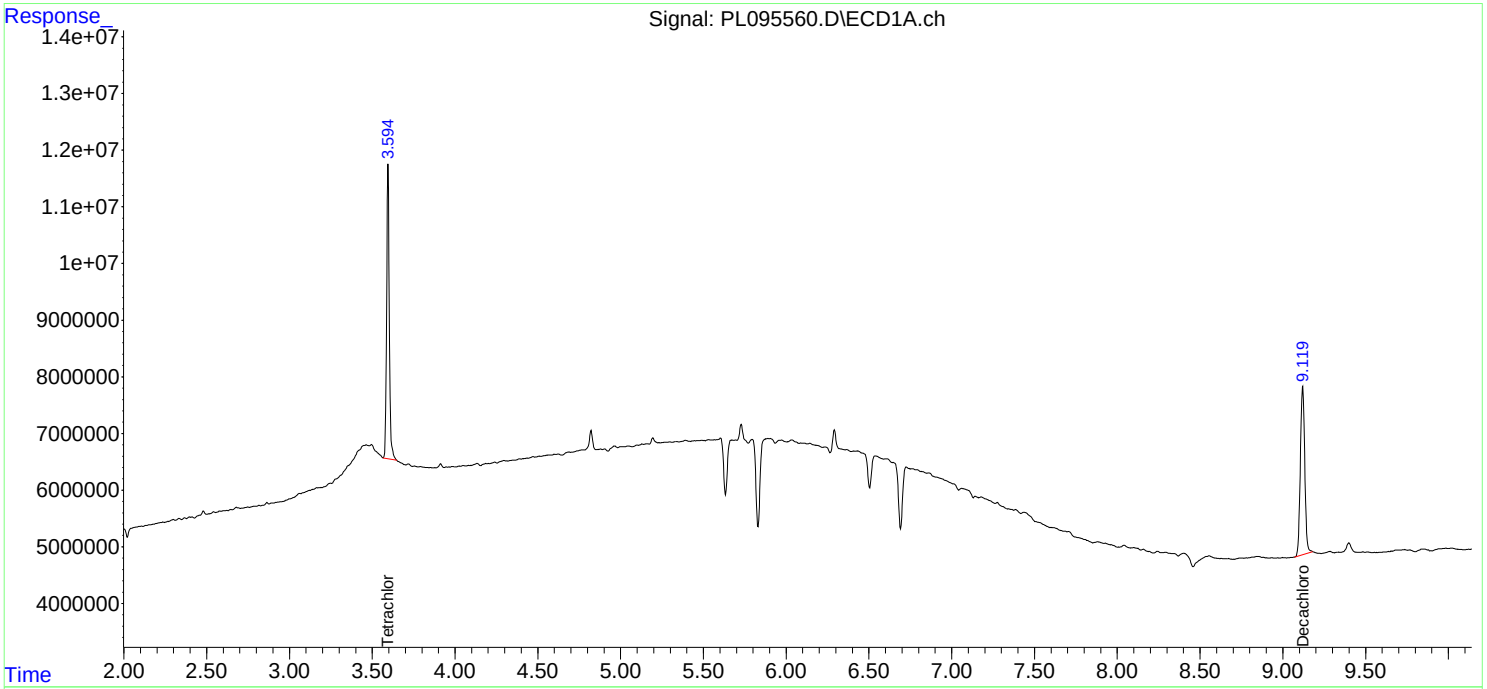
Instrument :
ECD_L
ClientSampleId :
I.BLK

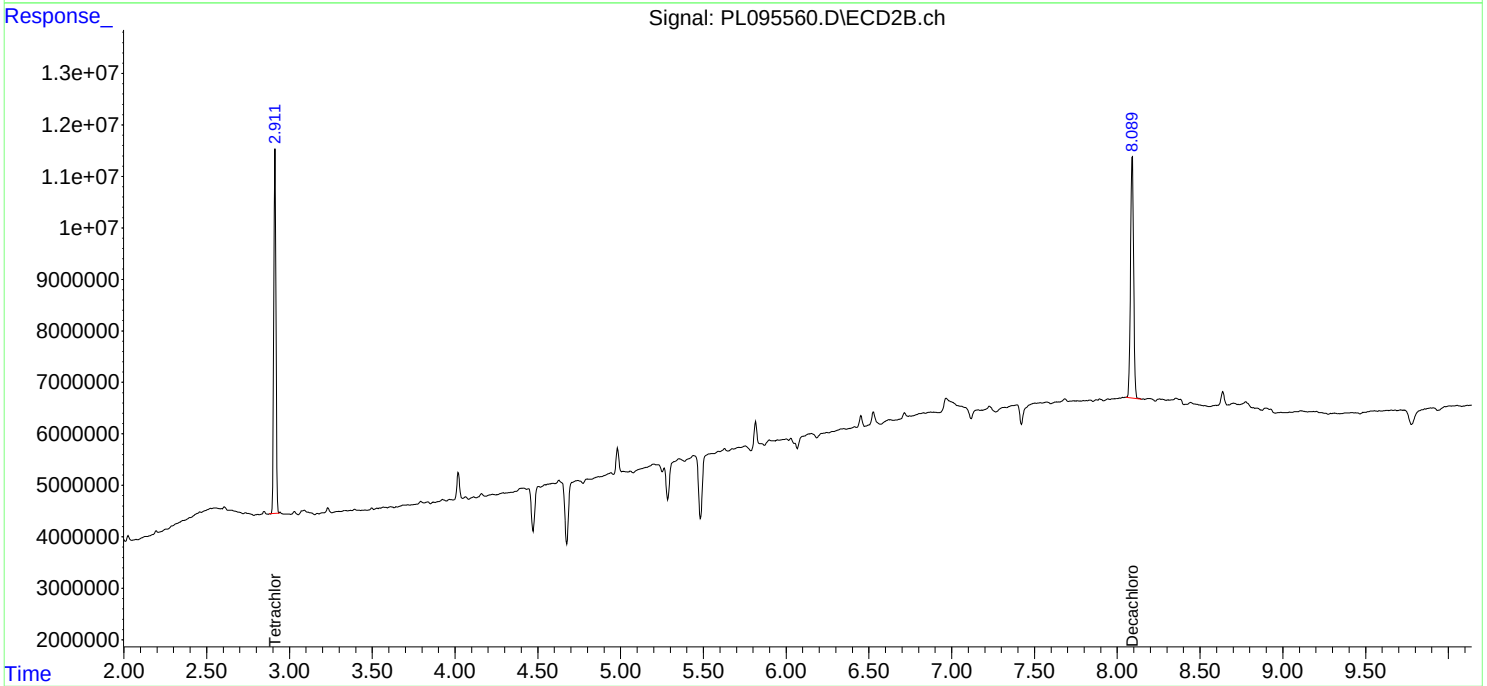
Manual Integrations APPROVED

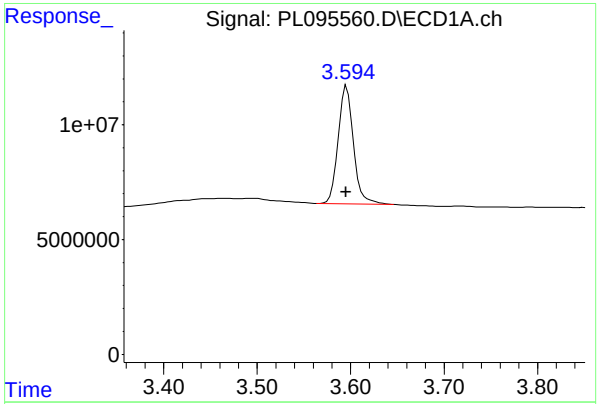
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:40:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







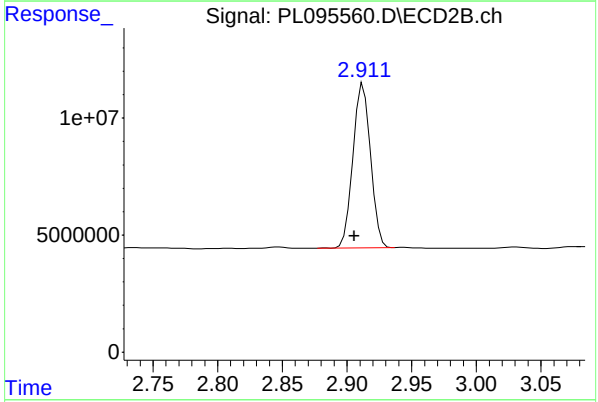
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 58643367
Conc: 17.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

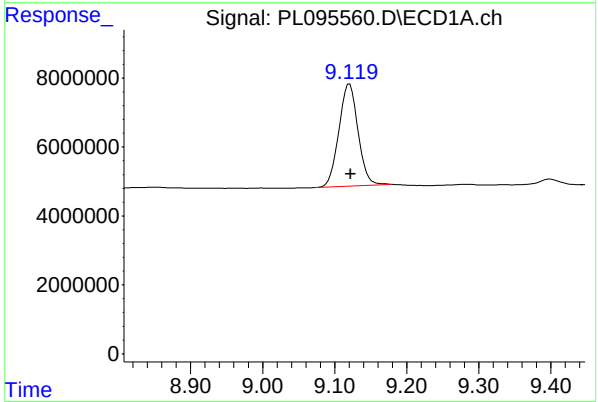
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



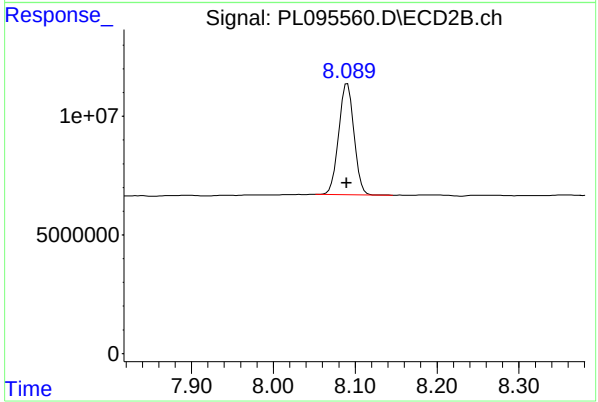
#1 Tetrachloro-m-xylene

R.T.: 2.913 min
Delta R.T.: 0.007 min
Response: 66378571
Conc: 20.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min
Delta R.T.: -0.002 min
Response: 54780398
Conc: 19.77 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 61072212
Conc: 20.64 ng/ml

Raw Data: **PL095566.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095566.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	18.6		43 - 140	93%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.8		77 - 126	109%	SPK: 20

Raw Data: **PL095566.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095566.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095566.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095566.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 14:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.592	2.911	59260299	69311374	18.152m	21.798
28)	SA Decachlor...	9.117	8.089	49024829	55140069	17.693	18.633
	Target Compounds						

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

Sample Results: **PL095566.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095566.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 14:56
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

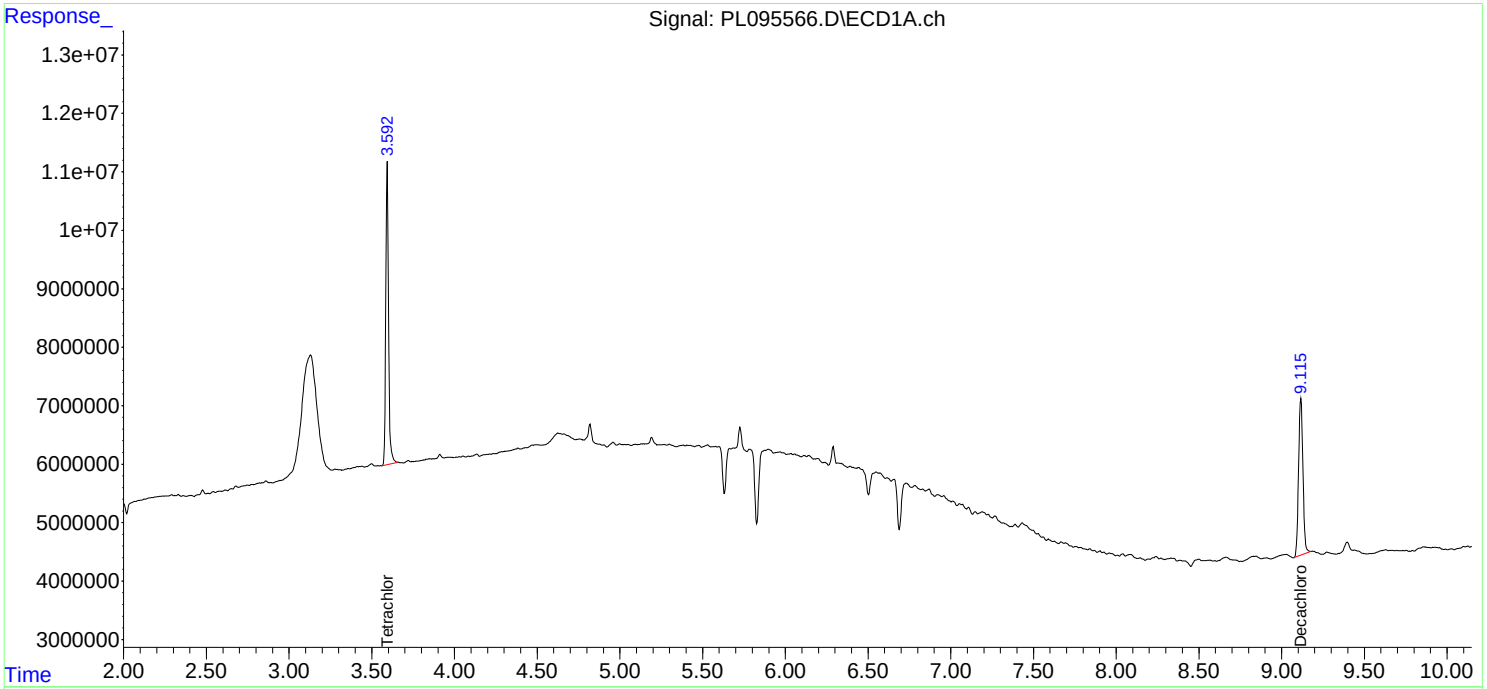
Instrument :
ECD_L
ClientSampleId :
I.BLK

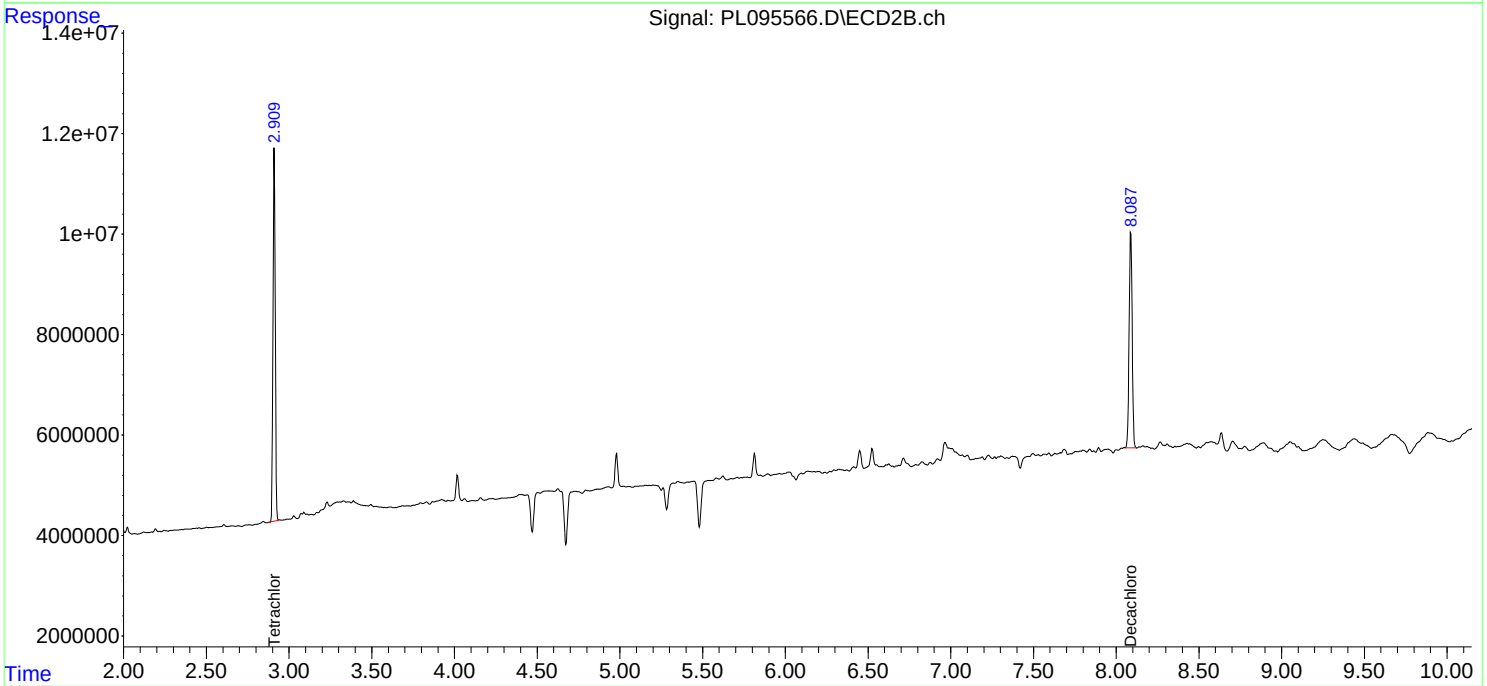
Manual Integrations APPROVED

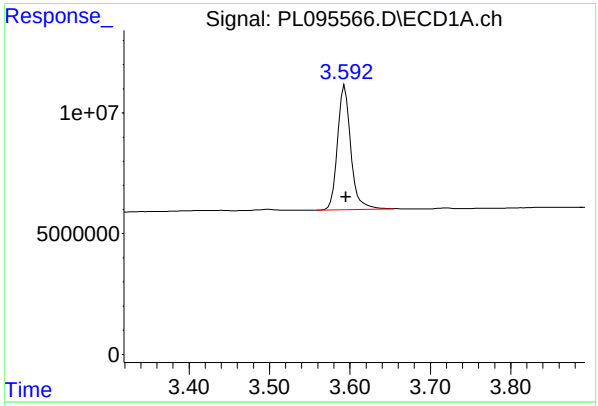
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







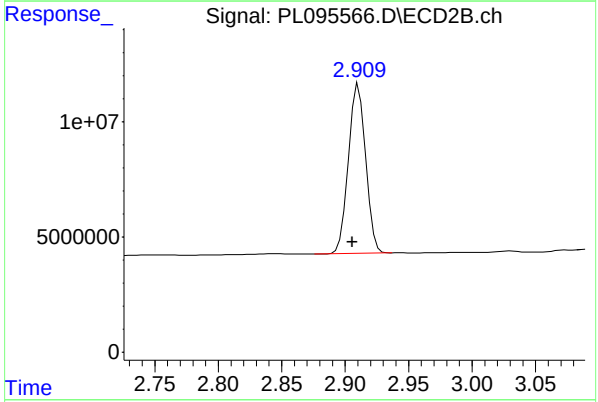
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 59260299
Conc: 18.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

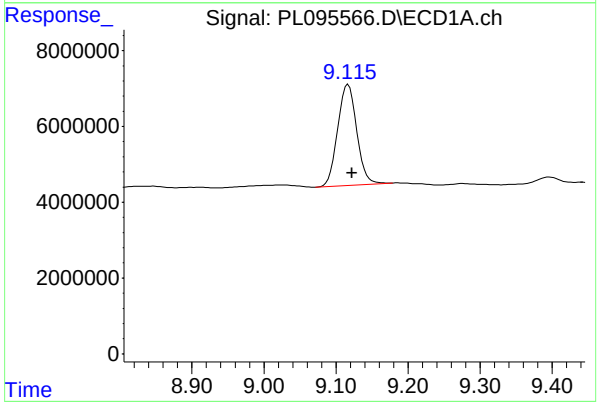
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



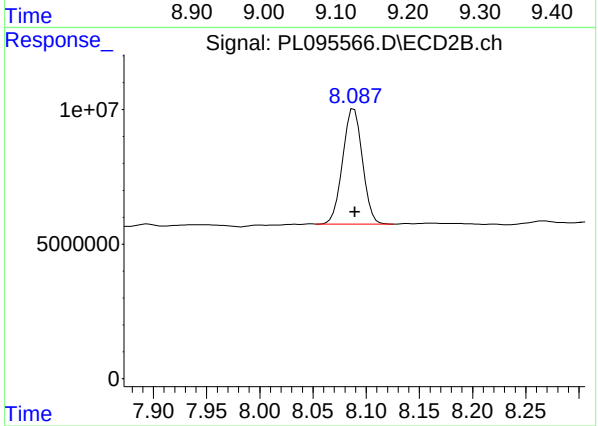
#1 Tetrachloro-m-xylene

R.T.: 2.911 min
Delta R.T.: 0.005 min
Response: 69311374
Conc: 21.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 49024829
Conc: 17.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.000 min
Response: 55140069
Conc: 18.63 ng/ml

Raw Data: **PL095576.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095576.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095576.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0039	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0049	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.050	U	0.0037	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0027	0.050	ug/L
309-00-2	Aldrin	0.050	U	0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.050	U	0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.050	U	0.0031	0.050	ug/L
60-57-1	Dieldrin	0.050	U	0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0037	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.050	U	0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.050	U	0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.050	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.050	U	0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.050	U	0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.050	U	0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.050	U	0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.1		43 - 140	100%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.2		77 - 126	111%	SPK: 20

Raw Data: **PL095576.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/06/25
Project:	Bergen Point Fueling System	Date Received:	05/06/25
Client Sample ID:	PIBLK-PL095576.D	SDG No.:	Q1956
Lab Sample ID:	I.BLK-PL095576.D	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095576.D	1		05/06/25	pl050725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095576.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.592	2.912	60185297	70663606	18.435m	22.223
28)	SA Decachlor...	9.117	8.091	52850798	59390507	19.074	20.069
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:45
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

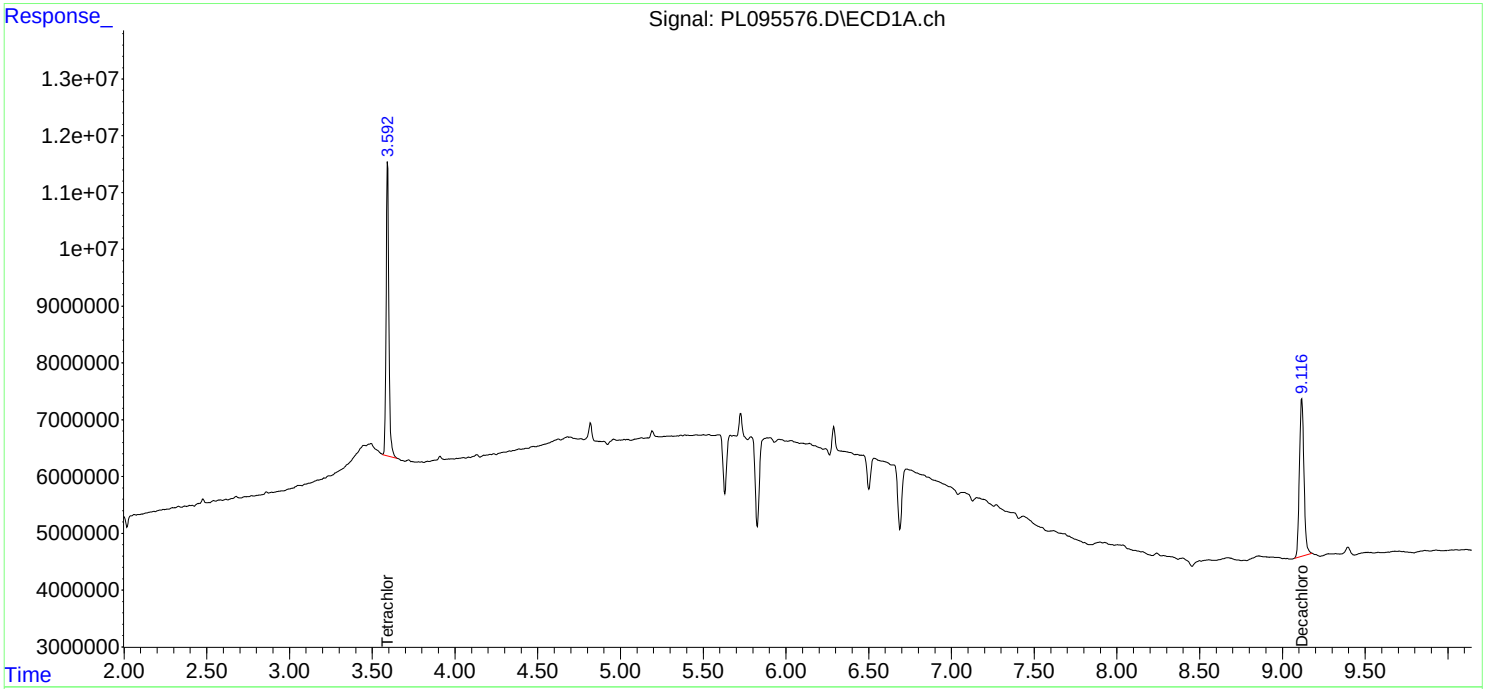
Instrument :
ECD_L
ClientSampleId :
I.BLK

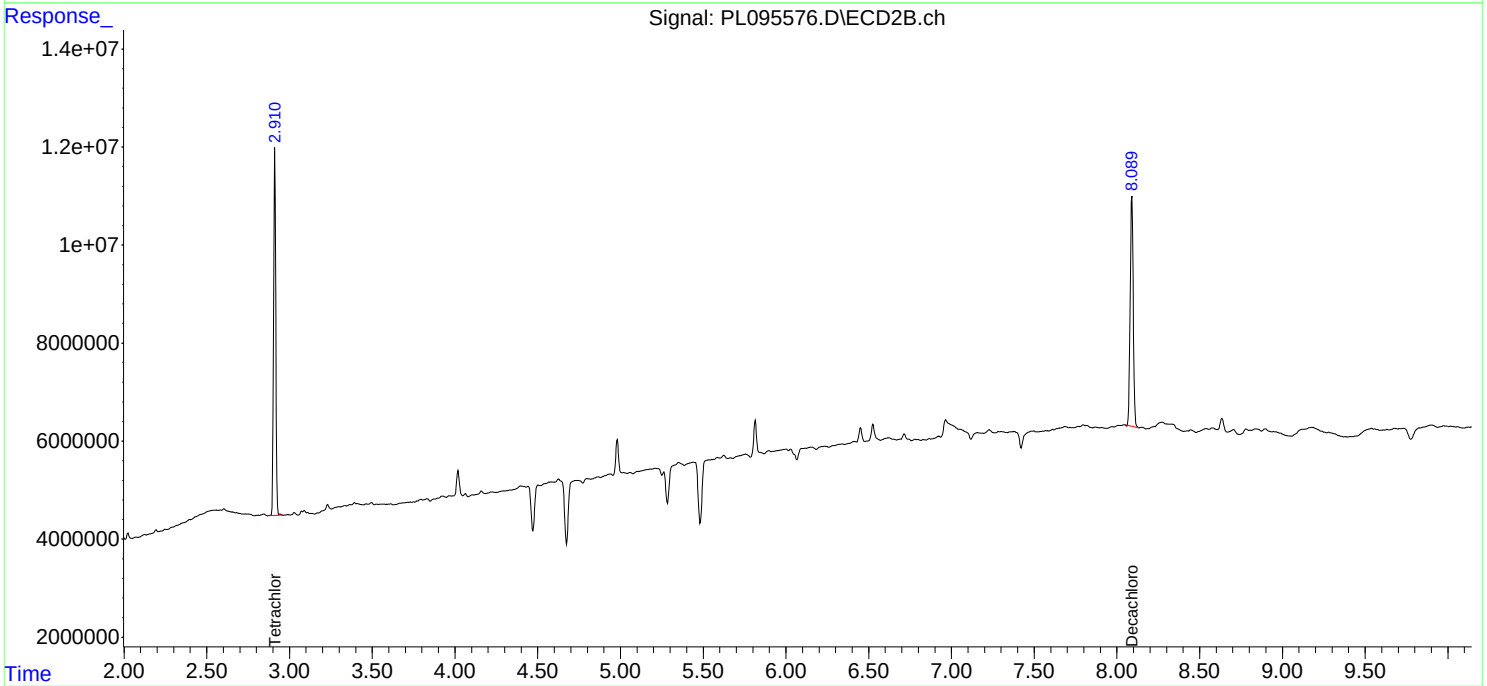
Manual Integrations APPROVED

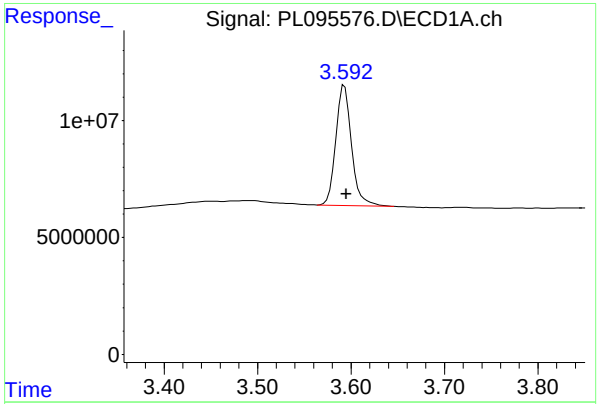
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:44:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm







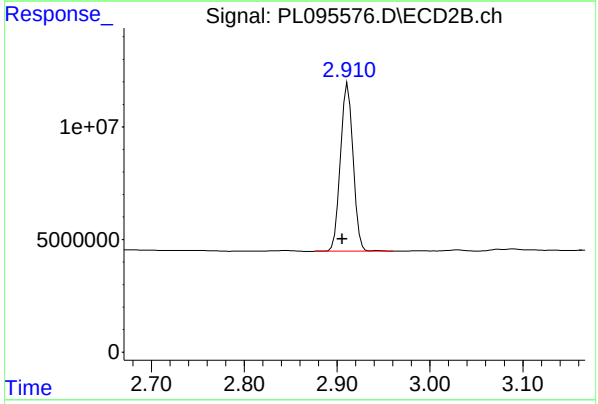
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: -0.003 min
Response: 60185297
Conc: 18.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK

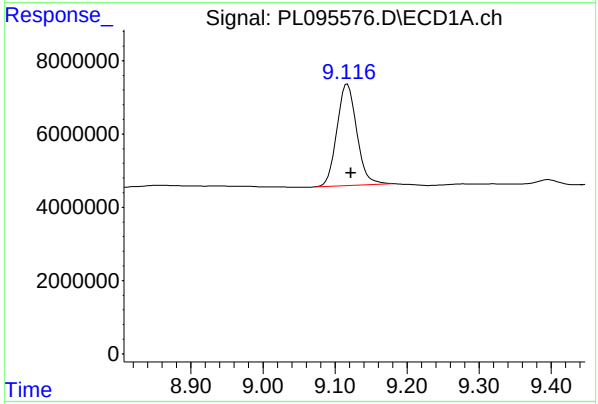
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



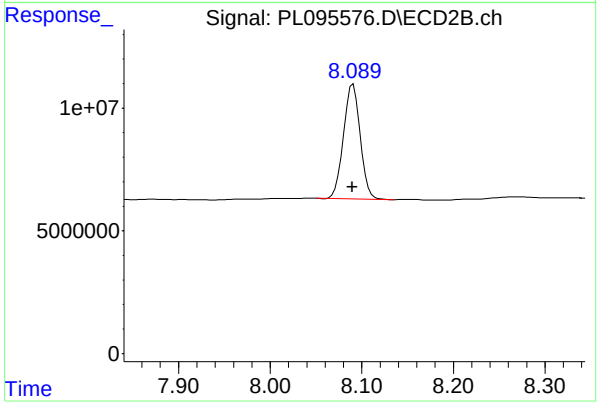
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 70663606
Conc: 22.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: -0.005 min
Response: 52850798
Conc: 19.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 59390507
Conc: 20.07 ng/ml

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BS	SDG No.:	Q1956
Lab Sample ID:	PB167878BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095564.D	1	05/06/25 08:55	05/06/25 14:26	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	18.8	P	0.13	1.70	ug/kg
319-85-7	beta-BHC	17.2		0.18	1.70	ug/kg
319-86-8	delta-BHC	18.6	P	0.39	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	18.2	P	0.14	1.70	ug/kg
76-44-8	Heptachlor	17.6		0.12	1.70	ug/kg
309-00-2	Aldrin	18.4		0.12	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.1		0.19	1.70	ug/kg
959-98-8	Endosulfan I	17.4		0.14	1.70	ug/kg
60-57-1	Dieldrin	19.0		0.14	1.70	ug/kg
72-55-9	4,4-DDE	17.8		0.14	1.70	ug/kg
72-20-8	Endrin	18.7		0.14	1.70	ug/kg
33213-65-9	Endosulfan II	18.3		0.29	1.70	ug/kg
72-54-8	4,4-DDD	19.1		0.15	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	17.8		0.13	1.70	ug/kg
50-29-3	4,4-DDT	18.2		0.14	1.70	ug/kg
72-43-5	Methoxychlor	17.5		0.37	1.70	ug/kg
53494-70-5	Endrin ketone	20.0	P	0.19	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.5		0.37	1.70	ug/kg
5103-71-9	alpha-Chlordane	17.8		0.12	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.0		0.15	1.70	ug/kg
8001-35-2	Toxaphene	33.0	U	5.40	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.4		20 - 144	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.9		19 - 148	109%	SPK: 20

Raw Data: **PL095564.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167878BS	SDG No.:	Q1956
Lab Sample ID:	PB167878BS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	100 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095564.D	1	05/06/25 08:55	05/06/25 14:26	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095564.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 14:26
Operator : AR\AJ
Sample : PB167878BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB167878BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.596	2.910	55738841	69549809	17.073	21.873 #
28)	SA	Decachlor...	9.121	8.090	51128615	63398254	18.453	21.424
		Target Compounds						
2)	A	alpha-BHC	4.047	3.420	209.0E6	251.2E6	42.189	56.476 #
3)	MA	gamma-BHC...	4.377	3.754	200.8E6	240.5E6	42.427m	54.687 #
4)	MA	Heptachlor	4.976	4.107	196.0E6	230.4E6	42.852	52.888
5)	MB	Aldrin	5.318	4.391	205.7E6	227.7E6	44.794	55.335m
6)	B	beta-BHC	4.564	4.047	88716038	107.3E6	42.909	51.684
7)	B	delta-BHC	4.811	4.283	201.0E6	245.2E6	43.210m	55.949 #
8)	B	Heptachlo...	5.737	4.896	185.1E6	209.7E6	46.212m	54.292
9)	A	Endosulfan I	6.120	5.269	176.7E6	191.3E6	46.538m	52.268
10)	B	gamma-Chl...	5.991	5.149	189.8E6	218.5E6	46.524m	53.920
11)	B	alpha-Chl...	6.072	5.213	187.8E6	212.7E6	46.198m	53.433
12)	B	4,4'-DDE	6.241	5.399	176.4E6	217.0E6	44.987m	53.365
13)	MA	Dieldrin	6.394	5.534	177.9E6	231.9E6	46.141	57.008
14)	MA	Endrin	6.621	5.809	147.4E6	204.7E6	46.287m	56.229
15)	B	Endosulfa...	6.832	6.100	148.2E6	197.9E6	46.440m	55.097
16)	A	4,4'-DDD	6.750	5.951	135.7E6	187.6E6	47.944m	57.435
17)	MA	4,4'-DDT	7.067	6.205	135.2E6	187.6E6	47.476	54.602
18)	B	Endrin al...	6.962	6.277	109.8E6	145.2E6	47.327m	55.576
19)	B	Endosulfa...	7.197	6.501	132.4E6	177.7E6	47.254	53.561
20)	A	Methoxychlor	7.538	6.775	62117162	99982713	44.524	52.418
21)	B	Endrin ke...	7.678	7.006	132.4E6	211.5E6	46.438	60.051m#
22)		Mirex	8.159	7.202	107.2E6	150.6E6	45.098	52.239m

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

Sample Results: **PL095564.D**

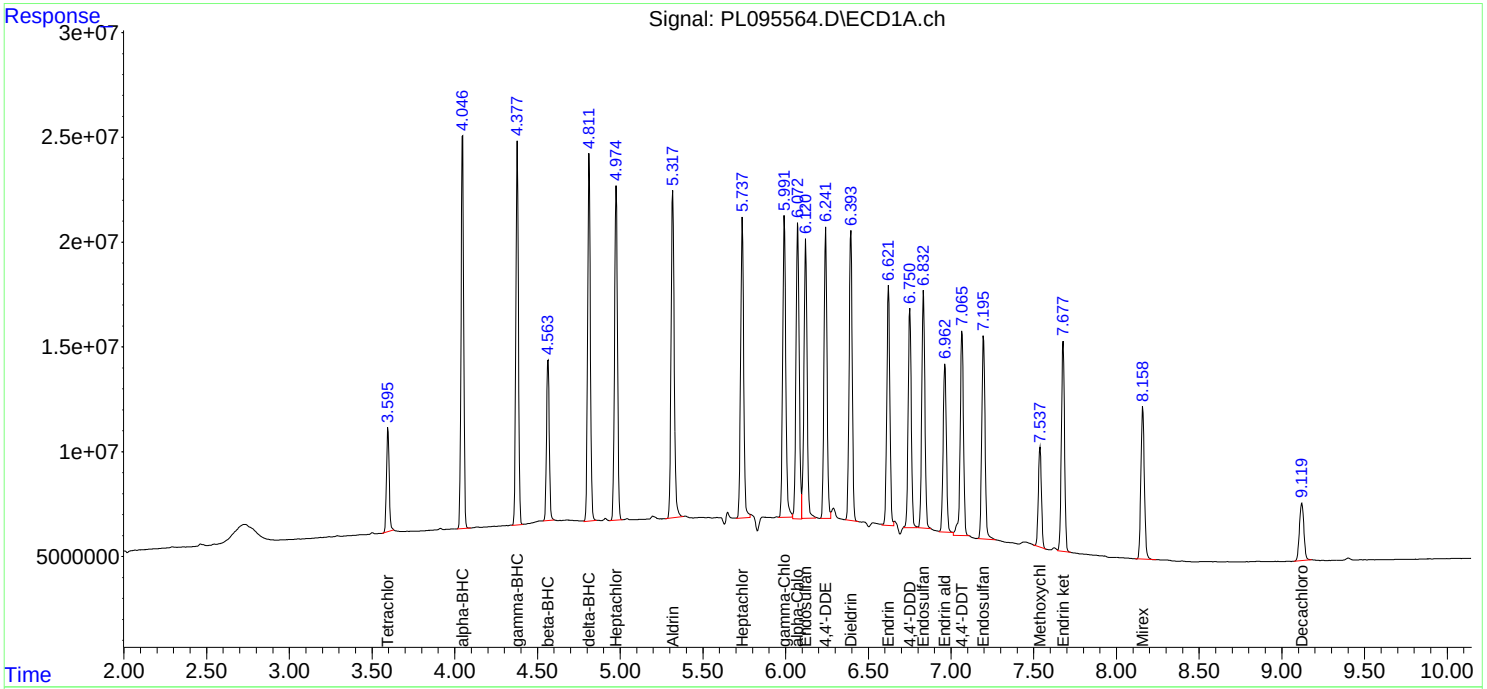
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 14:26
Operator : AR\AJ
Sample : PB167878BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

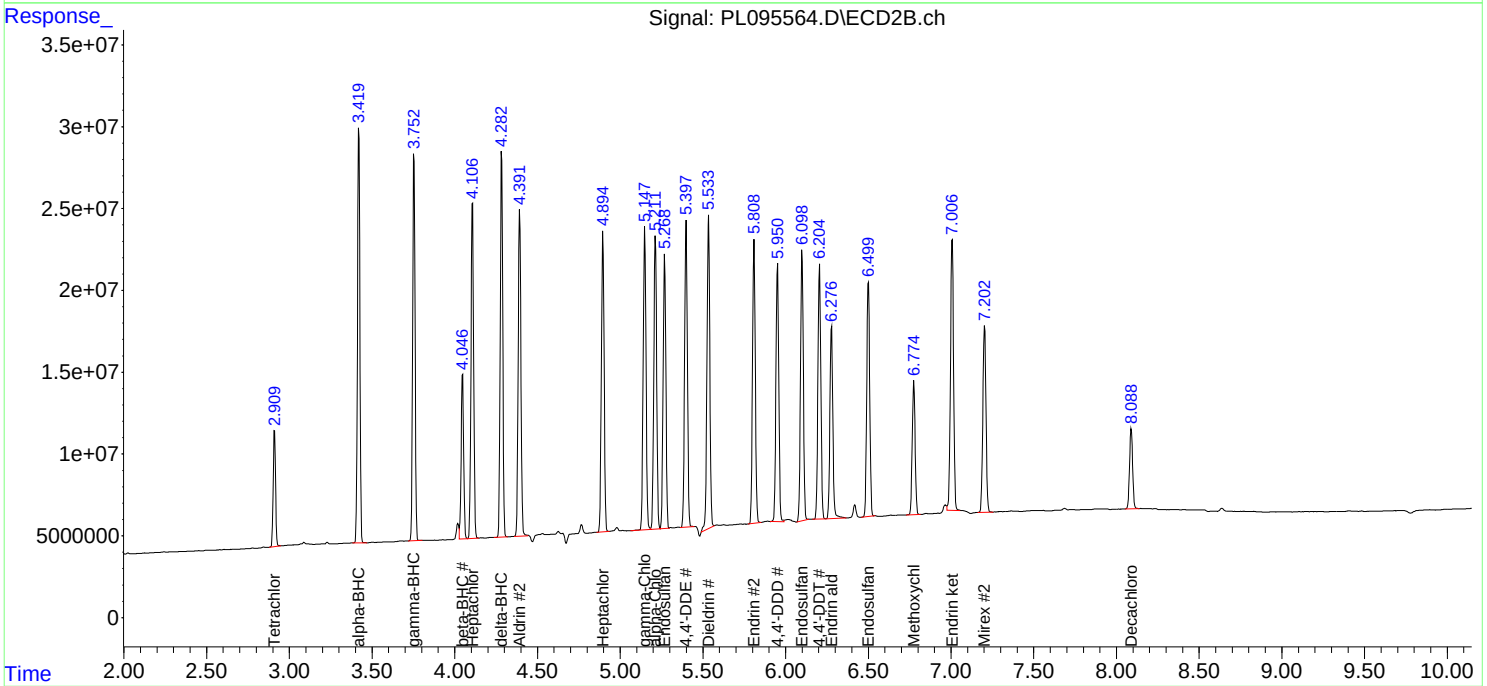
Instrument :
ECD_L
ClientSampleId :
PB167878BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:41:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





Raw Data: **PD088436.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BS	SDG No.:	Q1956
Lab Sample ID:	PB167914BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088436.D	1	05/08/25 08:51	05/08/25 17:27	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.46		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.47		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.50		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.46		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.47		0.0027	0.050	ug/L
309-00-2	Aldrin	0.47		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.47		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.48		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.47		0.0037	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.47		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.48		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.49		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.47		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.47		0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.0		43 - 140	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.9		77 - 126	95%	SPK: 20

Raw Data: **PD088436.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BS	SDG No.:	Q1956
Lab Sample ID:	PB167914BS	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088436.D	1	05/08/25 08:51	05/08/25 17:27	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PD088436.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:27
Operator : AR\AJ
Sample : PB167914BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167914BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:54 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	36391437	277.1E6	18.219	18.950
28) SA	Decachlor...	9.074	8.075	69432767	380.5E6	20.989	20.589
	Target Compounds						
2) A	alpha-BHC	4.000	3.395	199.9E6	1025.9E6	46.366	44.872
3) MA	gamma-BHC...	4.331	3.731	192.7E6	961.5E6	46.018	44.640
4) MA	Heptachlor	4.930	4.085	190.9E6	964.3E6	47.261	45.066
5) MB	Aldrin	5.272	4.371	186.9E6	947.1E6	47.318	45.528
6) B	beta-BHC	4.515	4.027	74920978	433.3E6	46.151	46.820
7) B	delta-BHC	4.764	4.264	206.8E6	967.2E6	50.143	45.492
8) B	Heptachlo...	5.691	4.875	168.8E6	861.5E6	47.232	45.597
9) A	Endosulfan I	6.076	5.249	160.5E6	825.1E6	47.530	45.809
10) B	gamma-Chl...	5.946	5.128	170.7E6	930.9E6	47.134	45.869
11) B	alpha-Chl...	6.027	5.193	171.1E6	897.1E6	47.407	45.766
12) B	4,4'-DDE	6.197	5.378	156.0E6	907.3E6	47.312	46.069
13) MA	Dieldrin	6.348	5.515	172.0E6	918.5E6	48.204	46.082
14) MA	Endrin	6.575	5.792	144.8E6	847.3E6	48.538	46.550
15) B	Endosulfa...	6.786	6.083	147.7E6	806.4E6	47.260	46.021
16) A	4,4'-DDD	6.706	5.932	122.2E6	766.5E6	48.587	46.779
17) MA	4,4'-DDT	7.021	6.187	132.6E6	799.5E6	47.745m	46.984
18) B	Endrin al...	6.916	6.261	113.5E6	624.9E6	49.198	46.984
19) B	Endosulfa...	7.150	6.485	138.9E6	788.9E6	48.310	46.046
20) A	Methoxychlor	7.493	6.757	72906502	426.8E6	48.619	46.791
21) B	Endrin ke...	7.631	6.994	151.1E6	866.5E6	48.960	46.325
22)	Mirex	8.115	7.188	110.6E6	663.5E6	47.084	44.771

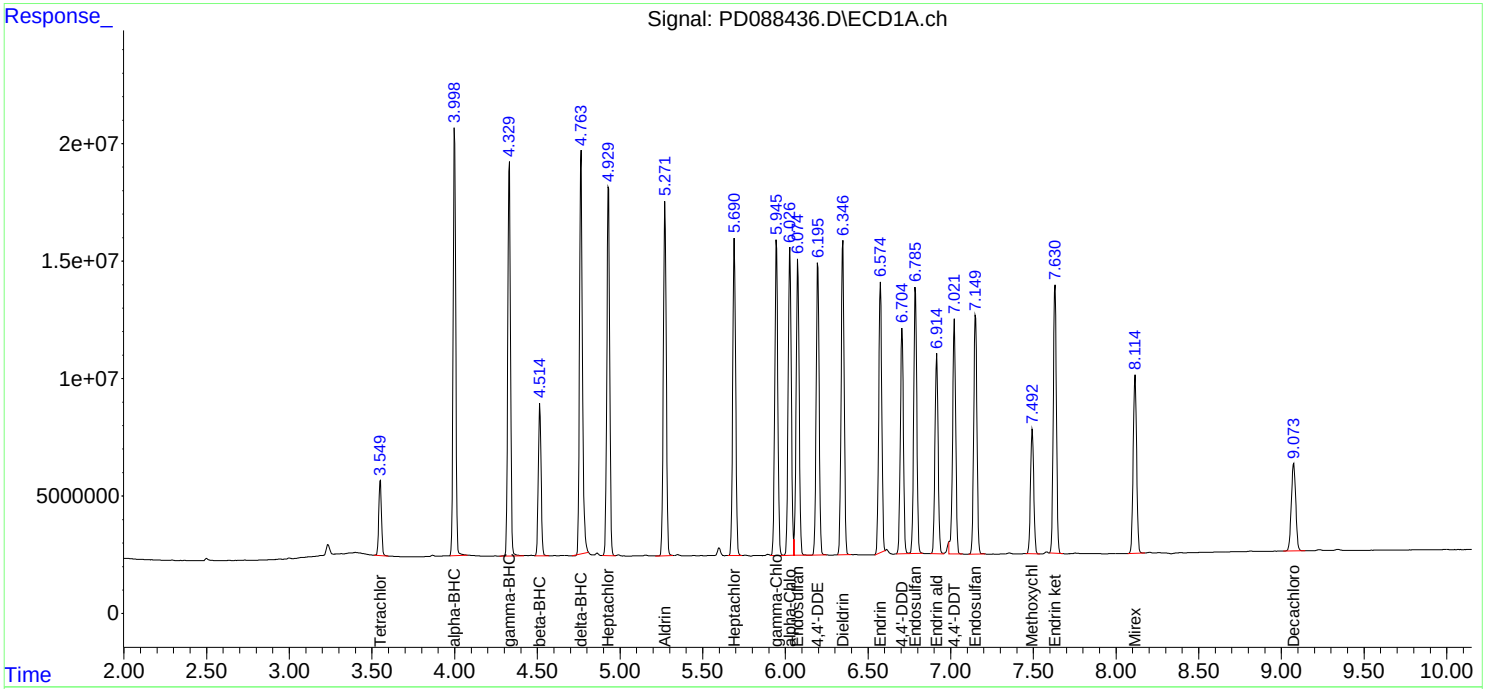
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

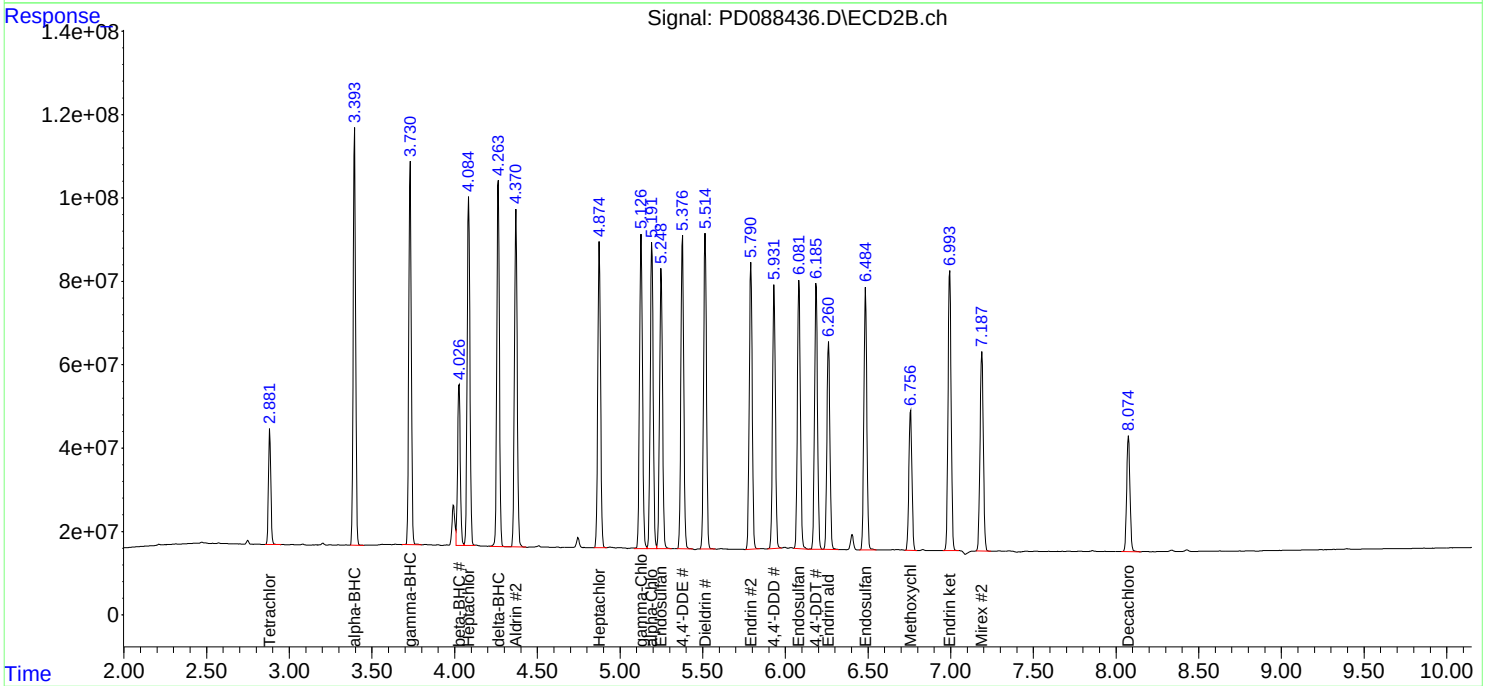
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088436.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:27
Operator : AR\AJ
Sample : PB167914BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167914BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:04:54 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





Raw Data: **PD088437.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BSD	SDG No.:	Q1956
Lab Sample ID:	PB167914BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088437.D	1	05/08/25 08:51	05/08/25 17:41	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.47		0.0039	0.050	ug/L
319-85-7	beta-BHC	0.47		0.0049	0.050	ug/L
319-86-8	delta-BHC	0.51		0.011	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.47		0.0037	0.050	ug/L
76-44-8	Heptachlor	0.48		0.0027	0.050	ug/L
309-00-2	Aldrin	0.48		0.0036	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.48		0.0096	0.050	ug/L
959-98-8	Endosulfan I	0.48		0.0031	0.050	ug/L
60-57-1	Dieldrin	0.49		0.0036	0.050	ug/L
72-55-9	4,4-DDE	0.48		0.0037	0.050	ug/L
72-20-8	Endrin	0.49		0.0032	0.050	ug/L
33213-65-9	Endosulfan II	0.48		0.0079	0.050	ug/L
72-54-8	4,4-DDD	0.49		0.0071	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.49		0.0037	0.050	ug/L
50-29-3	4,4-DDT	0.48		0.0035	0.050	ug/L
72-43-5	Methoxychlor	0.49		0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.49		0.0093	0.050	ug/L
7421-93-4	Endrin aldehyde	0.50		0.011	0.050	ug/L
5103-71-9	alpha-Chlordane	0.48		0.0035	0.050	ug/L
5103-74-2	gamma-Chlordane	0.48		0.0039	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.3		43 - 140	107%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.1		77 - 126	95%	SPK: 20

Raw Data: **PD088437.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Bergen Point Fueling System	Date Received:	
Client Sample ID:	PB167914BSD	SDG No.:	Q1956
Lab Sample ID:	PB167914BSD	Matrix:	WATER
Analytical Method:	SW8081	% Solid:	0 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PD088437.D	1	05/08/25 08:51	05/08/25 17:41	PB167914

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\PD050825\
Data File : PD088437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:41
Operator : AR\AJ
Sample : PB167914BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167914BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:06 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	2.882	36802896	278.5E6	18.425	19.046
28) SA	Decachlor...	9.075	8.076	70557464	383.1E6	21.329	20.729
	Target Compounds						
2) A	alpha-BHC	4.000	3.395	202.0E6	1031.4E6	46.839	45.116
3) MA	gamma-BHC...	4.331	3.731	195.3E6	966.8E6	46.647	44.887
4) MA	Heptachlor	4.930	4.085	192.9E6	970.9E6	47.760	45.372
5) MB	Aldrin	5.272	4.371	188.9E6	958.1E6	47.817	46.054
6) B	beta-BHC	4.516	4.027	75502154	435.9E6	46.509	47.103
7) B	delta-BHC	4.765	4.264	211.9E6	973.0E6	51.374	45.764
8) B	Heptachlo...	5.692	4.875	171.1E6	866.8E6	47.880	45.877
9) A	Endosulfan I	6.075	5.249	162.8E6	819.7E6	48.193	45.508
10) B	gamma-Chl...	5.947	5.128	174.1E6	934.7E6	48.072	46.053
11) B	alpha-Chl...	6.028	5.193	174.0E6	900.0E6	48.197	45.911
12) B	4,4'-DDE	6.197	5.378	156.9E6	922.1E6	47.561	46.819
13) MA	Dieldrin	6.348	5.515	174.2E6	925.8E6	48.810	46.444
14) MA	Endrin	6.575	5.791	146.3E6	855.5E6	49.058	46.997
15) B	Endosulfa...	6.786	6.082	149.3E6	810.7E6	47.770	46.271
16) A	4,4'-DDD	6.706	5.932	123.7E6	770.9E6	49.169	47.045
17) MA	4,4'-DDT	7.022	6.186	132.6E6	805.1E6	47.755	47.315
18) B	Endrin al...	6.916	6.261	114.7E6	629.4E6	49.716	47.318
19) B	Endosulfa...	7.150	6.485	140.6E6	793.4E6	48.904	46.307
20) A	Methoxychlor	7.493	6.757	73871413	431.2E6	49.263	47.276
21) B	Endrin ke...	7.631	6.993	152.7E6	868.9E6	49.485	46.455
22)	Mirex	8.115	7.188	112.5E6	666.7E6	47.895	44.981

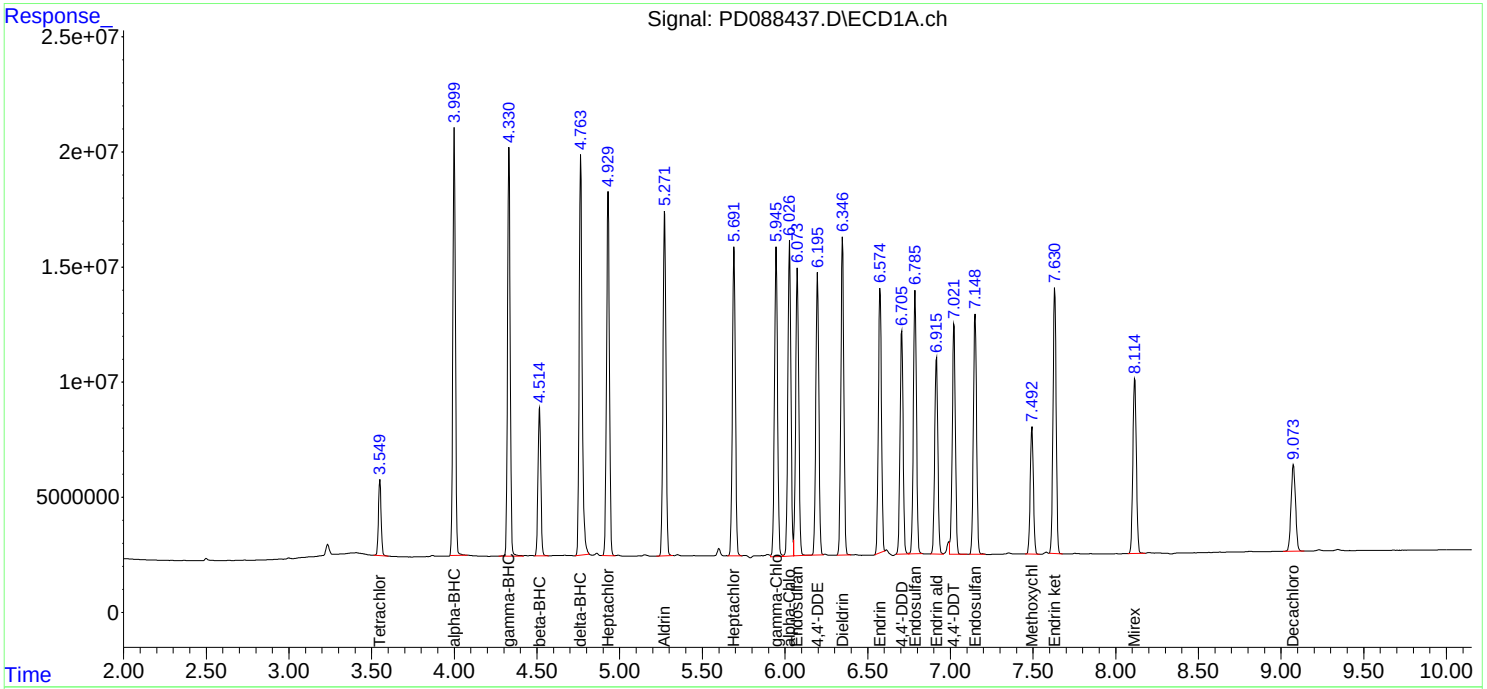
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

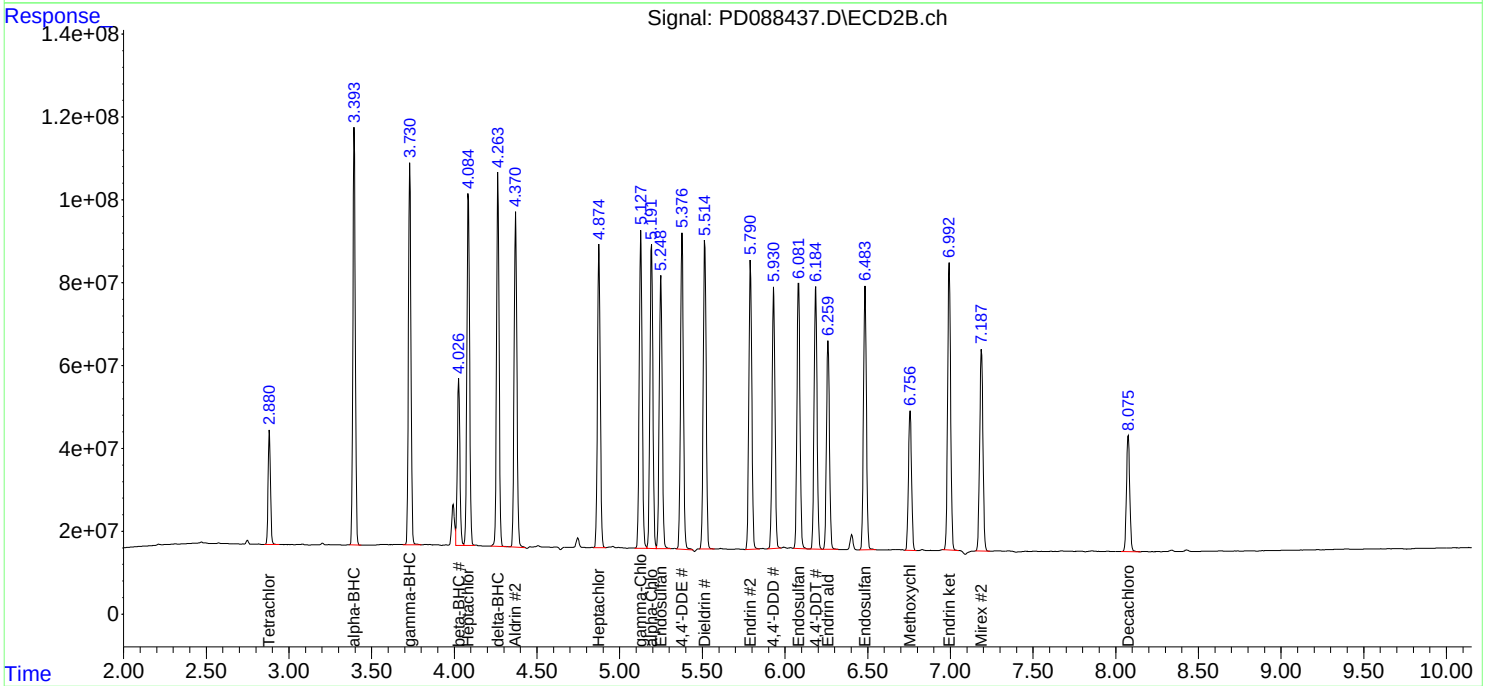
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050825\
Data File : PD088437.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 17:41
Operator : AR\AJ
Sample : PB167914BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PB167914BSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:06 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





Raw Data: **PL095573.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095573.D	1	05/06/25 08:55	05/06/25 18:04	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.2	P	0.14	1.80	ug/kg
319-85-7	beta-BHC	20.7		0.19	1.80	ug/kg
319-86-8	delta-BHC	22.3		0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	22.2		0.15	1.80	ug/kg
76-44-8	Heptachlor	21.2		0.13	1.80	ug/kg
309-00-2	Aldrin	22.1		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	21.3		0.20	1.80	ug/kg
959-98-8	Endosulfan I	21.2		0.15	1.80	ug/kg
60-57-1	Dieldrin	21.1		0.15	1.80	ug/kg
72-55-9	4,4-DDE	20.3		0.15	1.80	ug/kg
72-20-8	Endrin	20.9		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	20.1		0.31	1.80	ug/kg
72-54-8	4,4-DDD	21.2		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.3		0.14	1.80	ug/kg
50-29-3	4,4-DDT	20.1		0.15	1.80	ug/kg
72-43-5	Methoxychlor	19.3		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.1		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	19.8		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	21.1		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	21.6		0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.2		20 - 144	81%	SPK: 20
877-09-8	Tetrachloro-m-xylene	22.9		19 - 148	115%	SPK: 20

Raw Data: **PL095573.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MS	SDG No.:	Q1956
Lab Sample ID:	Q1956-03MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.04 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095573.D	1	05/06/25 08:55	05/06/25 18:04	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095573.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:04
Operator : AR\AJ
Sample : Q1956-03MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.593	2.912	60316839	72839996	18.476	22.907
28)	SA	Decachlor...	9.118	8.091	41029367	48031623	14.808	16.231
		Target Compounds						
2)	A	alpha-BHC	4.044	3.422	242.4E6	290.2E6	48.929	65.234 #
3)	MA	gamma-BHC...	4.374	3.755	232.0E6	273.8E6	49.013m	62.242 #
4)	MA	Heptachlor	4.973	4.109	220.6E6	259.4E6	48.221	59.541
5)	MB	Aldrin	5.316	4.394	233.0E6	255.3E6	50.722	62.042
6)	B	beta-BHC	4.561	4.049	98596590	120.7E6	47.688	58.144
7)	B	delta-BHC	4.808	4.285	228.6E6	274.8E6	49.152m	62.716 #
8)	B	Heptachlo...	5.736	4.897	206.4E6	231.3E6	51.541	59.888
9)	A	Endosulfan I	6.119	5.271	191.4E6	218.3E6	50.400	59.630
10)	B	gamma-Chl...	5.990	5.150	212.6E6	245.6E6	52.110	60.609
11)	B	alpha-Chl...	6.072	5.215	206.3E6	235.9E6	50.730	59.257
12)	B	4,4'-DDE	6.240	5.400	195.3E6	231.3E6	49.808	56.881
13)	MA	Dieldrin	6.393	5.536	190.0E6	241.5E6	49.280	59.367
14)	MA	Endrin	6.618	5.810	158.9E6	214.2E6	49.881m	58.835m
15)	B	Endosulfa...	6.831	6.102	152.0E6	203.1E6	47.618m	56.554
16)	A	4,4'-DDD	6.750	5.953	152.0E6	194.2E6	53.692	59.459
17)	MA	4,4'-DDT	7.065	6.207	138.1E6	193.8E6	48.480	56.402
18)	B	Endrin al...	6.961	6.279	121.0E6	145.0E6	52.147	55.479
19)	B	Endosulfa...	7.195	6.502	137.3E6	179.7E6	49.006	54.161m
20)	A	Methoxychlor	7.536	6.777	65506225	103.5E6	46.953	54.287
21)	B	Endrin ke...	7.676	7.008	131.8E6	209.0E6	46.223	59.355 #
22)		Mirex	8.158	7.203	109.9E6	150.9E6	46.265	52.351m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095573.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:04
Operator : AR\AJ
Sample : Q1956-03MS
Misc :
ALS Vial : 13 Sample Multiplier: 1

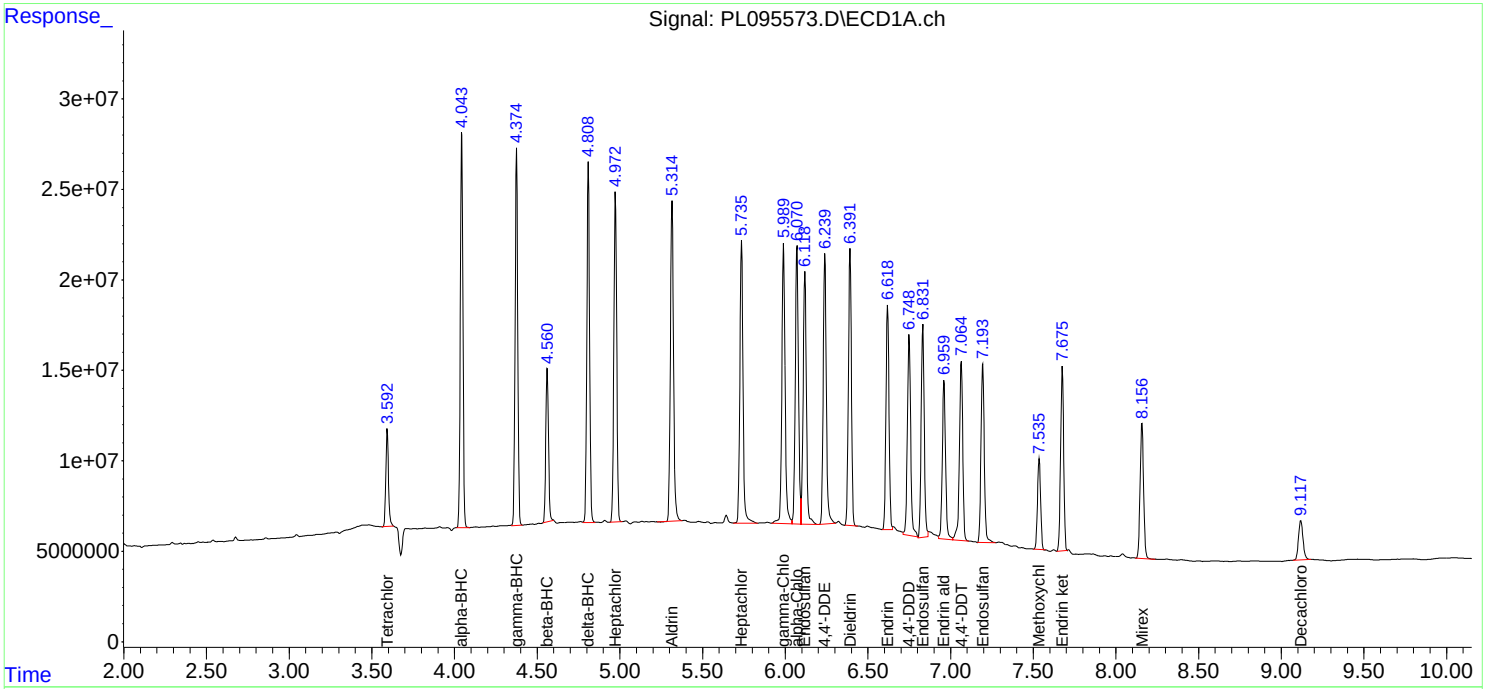
Instrument :
ECD_L
ClientSampleId :
SB2-4-5MS

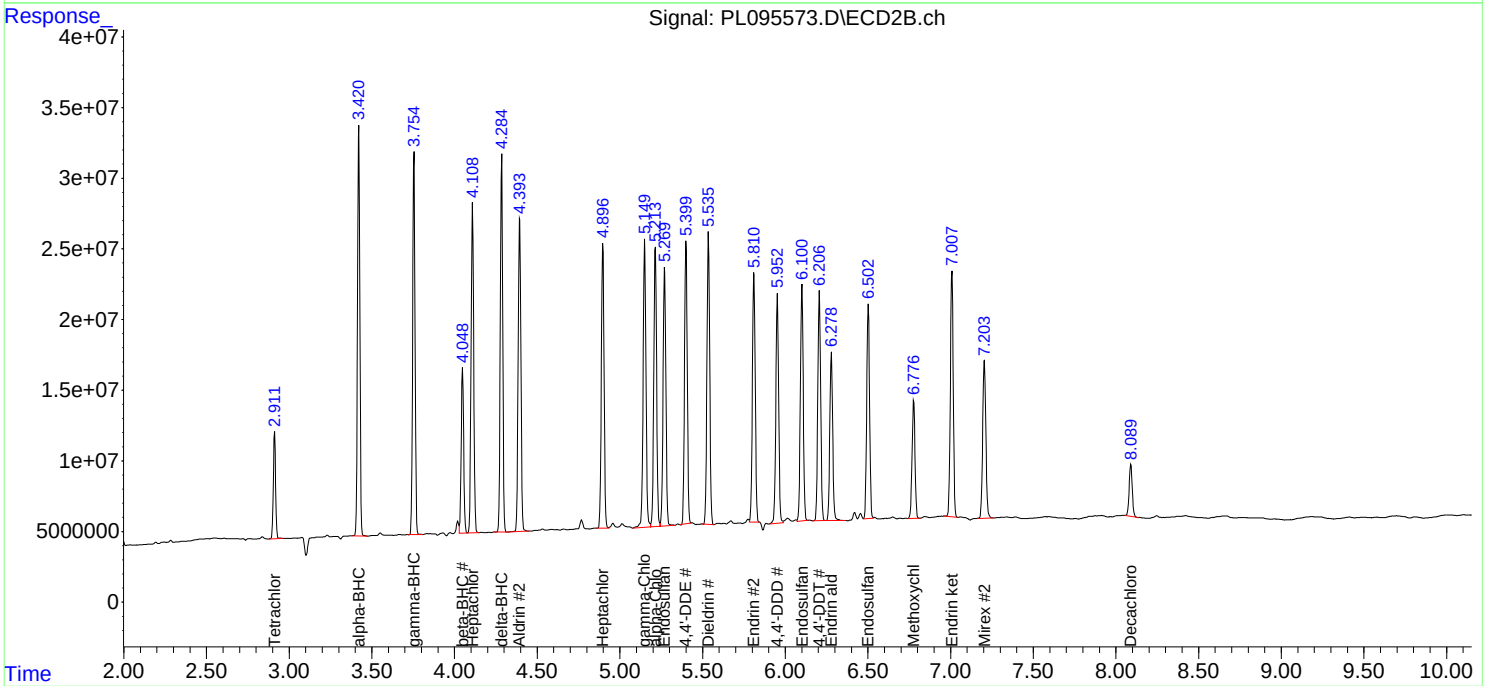
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





Raw Data: **PL095574.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095574.D	1	05/06/25 08:55	05/06/25 18:17	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	23.4	P	0.14	1.80	ug/kg
319-85-7	beta-BHC	20.9		0.19	1.80	ug/kg
319-86-8	delta-BHC	22.6	P	0.42	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	22.3	P	0.15	1.80	ug/kg
76-44-8	Heptachlor	21.4		0.13	1.80	ug/kg
309-00-2	Aldrin	22.4		0.13	1.80	ug/kg
1024-57-3	Heptachlor epoxide	21.6		0.20	1.80	ug/kg
959-98-8	Endosulfan I	21.6		0.15	1.80	ug/kg
60-57-1	Dieldrin	21.5		0.15	1.80	ug/kg
72-55-9	4,4-DDE	20.7		0.15	1.80	ug/kg
72-20-8	Endrin	21.5		0.15	1.80	ug/kg
33213-65-9	Endosulfan II	20.8		0.31	1.80	ug/kg
72-54-8	4,4-DDD	21.7		0.16	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	19.3		0.14	1.80	ug/kg
50-29-3	4,4-DDT	20.9		0.15	1.80	ug/kg
72-43-5	Methoxychlor	19.7		0.40	1.80	ug/kg
53494-70-5	Endrin ketone	21.4		0.20	1.80	ug/kg
7421-93-4	Endrin aldehyde	20.7		0.40	1.80	ug/kg
5103-71-9	alpha-Chlordane	21.4		0.13	1.80	ug/kg
5103-74-2	gamma-Chlordane	22.0		0.16	1.80	ug/kg
8001-35-2	Toxaphene	35.2	U	5.80	35.2	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.8		20 - 144	84%	SPK: 20
877-09-8	Tetrachloro-m-xylene	23.1		19 - 148	115%	SPK: 20

Raw Data: **PL095574.D**

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

Report of Analysis

Client:	CDM Smith	Date Collected:	05/02/25
Project:	Bergen Point Fueling System	Date Received:	05/02/25
Client Sample ID:	SB2-4-5MSD	SDG No.:	Q1956
Lab Sample ID:	Q1956-04MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	93.5 Decanted:
Sample Wt/Vol:	30.05 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	Pesticide-TCL
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL095574.D	1	05/06/25 08:55	05/06/25 18:17	PB167878

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Quantitation Report (QT Reviewed)

Sample Results: **PL095574.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:17
Operator : AR\AJ
Sample : Q1956-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.593	2.912	60021365	73407979	18.385	23.086 #
28)	SA	Decachlor...	9.119	8.091	40468734	49807630	14.605	16.831
		Target Compounds						
2)	A	alpha-BHC	4.045	3.421	242.0E6	291.9E6	48.857	65.614 #
3)	MA	gamma-BHC...	4.374	3.755	230.6E6	276.0E6	48.708m	62.757 #
4)	MA	Heptachlor	4.974	4.109	220.2E6	261.4E6	48.137	59.994
5)	MB	Aldrin	5.316	4.394	234.4E6	259.1E6	51.031	62.947
6)	B	beta-BHC	4.561	4.049	98179270	122.0E6	47.487	58.772
7)	B	delta-BHC	4.808	4.285	228.2E6	277.8E6	49.078m	63.399 #
8)	B	Heptachlo...	5.737	4.897	204.9E6	234.9E6	51.167	60.805
9)	A	Endosulfan I	6.120	5.270	191.4E6	222.4E6	50.401	60.753
10)	B	gamma-Chl...	5.991	5.150	211.1E6	250.1E6	51.759	61.703
11)	B	alpha-Chl...	6.072	5.214	205.7E6	239.6E6	50.593	60.197
12)	B	4,4'-DDE	6.240	5.400	196.7E6	236.0E6	50.177	58.039
13)	MA	Dieldrin	6.393	5.536	190.1E6	245.9E6	49.304	60.455
14)	MA	Endrin	6.619	5.809	158.0E6	220.2E6	49.602m	60.471m
15)	B	Endosulfa...	6.831	6.101	152.7E6	209.8E6	47.845m	58.413
16)	A	4,4'-DDD	6.748	5.952	144.9E6	199.5E6	51.179m	61.068
17)	MA	4,4'-DDT	7.065	6.206	141.8E6	202.1E6	49.789	58.816
18)	B	Endrin al...	6.959	6.279	116.7E6	152.1E6	50.270m	58.206
19)	B	Endosulfa...	7.195	6.500	137.7E6	179.7E6	49.130	54.147m
20)	A	Methoxychlor	7.536	6.776	65210011	105.7E6	46.741	55.437
21)	B	Endrin ke...	7.676	7.008	134.8E6	212.1E6	47.300	60.233 #
22)		Mirex	8.158	7.203	112.7E6	157.0E6	47.423	54.456m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:17
Operator : AR\AJ
Sample : Q1956-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

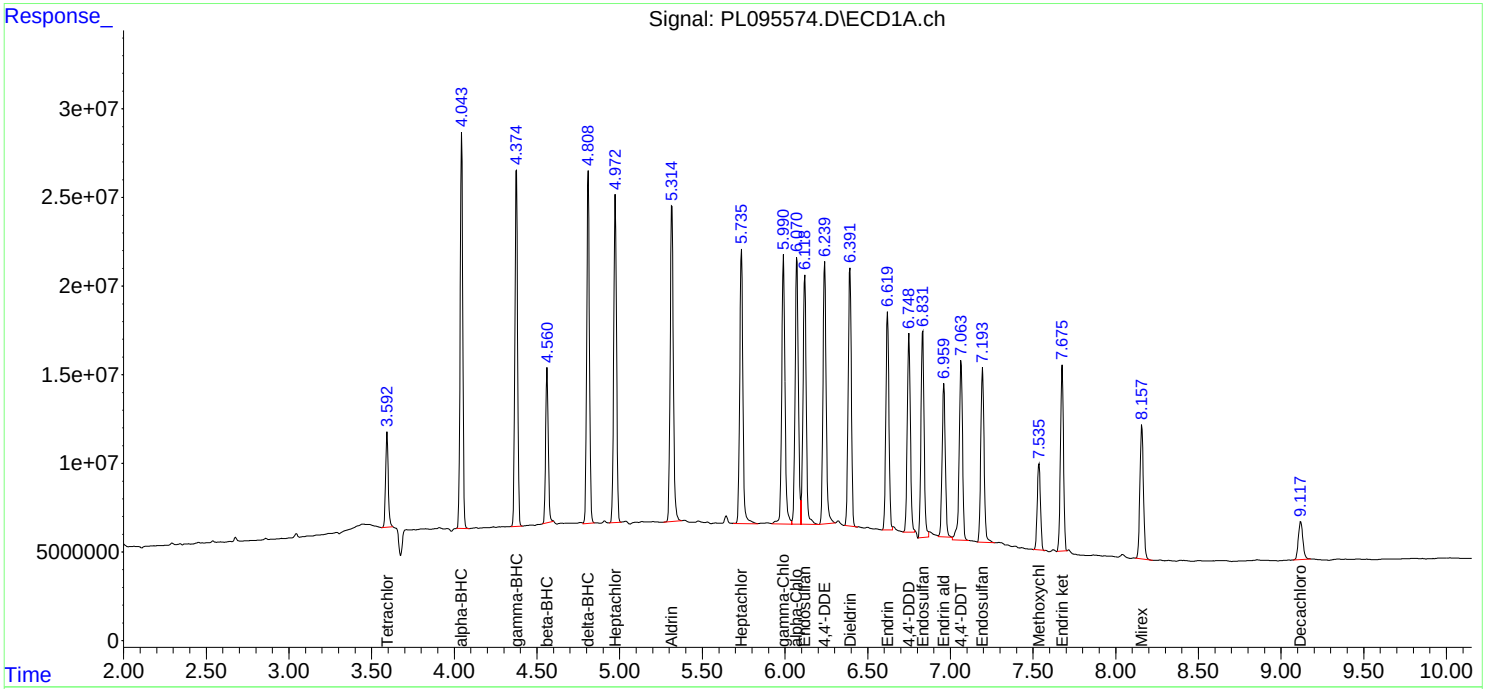
Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

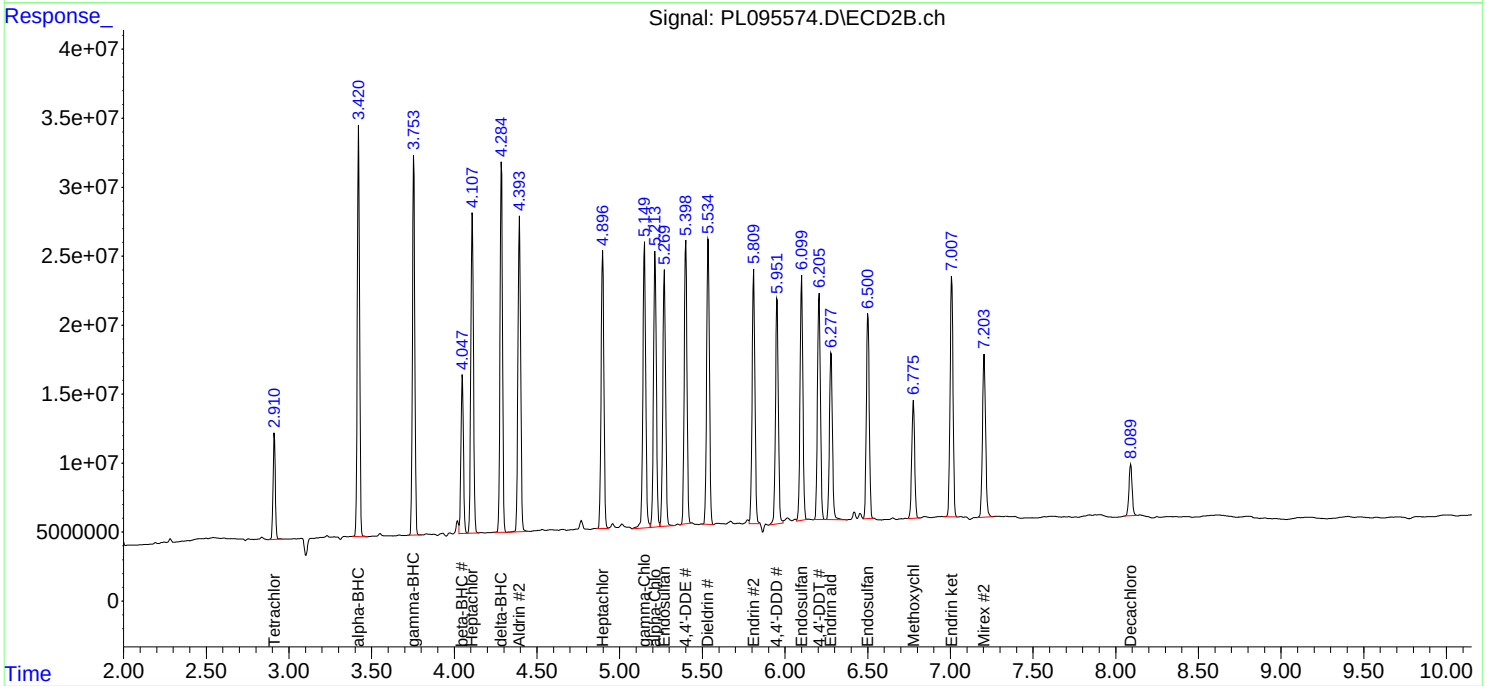
Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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 x0.25µm





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

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

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

Manual Integration Report

Sequence:	pd050825	Instrument	ECD_d

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PD088433.D	4,4"-DDD	Abdul	5/9/2025 7:51:29 AM			Peak Integrated by Software
PEM	PD088433.D	Endrin aldehyde	Abdul	5/9/2025 7:51:29 AM			Peak Integrated by Software
PEM	PD088433.D	Endrin ketone	Abdul	5/9/2025 7:51:29 AM			Peak Integrated by Software
PEM	PD088433.D	Endrin ketone #2	Abdul	5/9/2025 7:51:29 AM			Peak Integrated by Software
PB167914BS	PD088436.D	4,4"-DDT	Abdul	5/9/2025 7:51:35 AM			Peak Integrated by Software
PSTDCCC050	PD088440.D	4,4"-DDE #2	Abdul	5/9/2025 7:51:40 AM			Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_l

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095327.D	4,4"-DDD	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	4,4"-DDD #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin aldehyde #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	Endrin ketone #2	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095327.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:46:58 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
RESCHK	PL095328.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:03 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC025	PL095332.D	Mirex #2	Abdul	4/24/2025 8:47:07 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICC005	PL095333.D	Mirex #2	Abdul	4/24/2025 8:47:11 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	delta-BHC	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDICV050	PL095344.D	Mirex #2	Abdul	4/24/2025 8:47:23 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL095348.D	Endrin aldehyde	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin aldehyde #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	Endrin ketone #2	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PEM	PL095348.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:27 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	delta-BHC	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Endrin ketone #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	gamma-Chlordane #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095349.D	Mirex #2	Abdul	4/24/2025 8:47:32 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
I.BLK	PL095358.D	Decachlorobiphenyl #2	Abdul	4/24/2025 8:48:33 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	delta-BHC	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	gamma-BHC (Lindane)	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl042325	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095359.D	Methoxychlor #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software
PSTDCCC050	PL095359.D	Mirex #2	Abdul	4/24/2025 8:48:39 AM	mohammad	4/26/2025 2:18:30	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PL095560.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:35 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	4,4"-DDD	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	4,4"-DDD #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin aldehyde	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin aldehyde #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin ketone	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Endrin ketone #2	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PEM	PL095561.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:37 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDD	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDE	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	4,4"-DDE #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095562.D	4,4"-DDT	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Aldrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	alpha-Chlordane	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	delta-BHC	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Dieldrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endosulfan I	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endosulfan II	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin aldehyde	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Endrin ketone #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	gamma-Chlordane	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL095562.D	Heptachlor epoxide	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Methoxychlor #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095562.D	Mirex #2	yogesh	5/7/2025 9:50:39 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BL	PL095563.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:41 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	4,4"-DDD	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	4,4"-DDE	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Aldrin #2	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	alpha-Chlordane	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	delta-BHC	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Endosulfan I	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Endosulfan II	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Endrin	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Endrin aldehyde	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB167878BS	PL095564.D	Endrin ketone #2	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	gamma-Chlordane	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Heptachlor epoxide	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PB167878BS	PL095564.D	Mirex #2	yogesh	5/7/2025 9:50:45 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
I.BLK	PL095566.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:49 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	delta-BHC	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	Mirex #2	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095567.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:50:51 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-02	PL095572.D	Endrin	yogesh	5/7/2025 9:50:58 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-02	PL095572.D	Endrin #2	yogesh	5/7/2025 9:50:58 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	delta-BHC	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1956-03MS	PL095573.D	Endosulfan II	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	Endosulfan Sulfate #2	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	Endrin	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	Endrin #2	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-03MS	PL095573.D	Mirex #2	yogesh	5/7/2025 9:50:59 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	4,4"-DDD	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	delta-BHC	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Endosulfan II	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Endosulfan Sulfate #2	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Endrin	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Endrin #2	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Endrin aldehyde	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Manual Integration Report

Sequence:	pl050725	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1956-04MSD	PL095574.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-04MSD	PL095574.D	Mirex #2	yogesh	5/7/2025 9:51:01 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-06	PL095575.D	alpha-Chlordane	yogesh	5/7/2025 9:51:03 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-06	PL095575.D	alpha-Chlordane #2	yogesh	5/7/2025 9:51:03 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-06	PL095575.D	gamma-Chlordane	yogesh	5/7/2025 9:51:03 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
Q1956-06	PL095575.D	gamma-Chlordane #2	yogesh	5/7/2025 9:51:03 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
I.BLK	PL095576.D	Tetrachloro-m-xylene	yogesh	5/7/2025 9:51:05 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	delta-BHC	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	Endosulfan I	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	gamma-BHC (Lindane)	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software
PSTDCCC050	PL095577.D	Mirex #2	yogesh	5/7/2025 9:51:07 AM	mohammad	5/8/2025 2:15:24	Peak Integrated by Software

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch 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#	SampleId	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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch 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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD050825

Review By	Abdul	Review On	5/9/2025 7:51:54 AM		
Supervise By		Supervise On			
SubDirectory	PD050825	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#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PD088431.D	08 May 2025 15:56	AR\AJ	Ok
2	I.BLK	PD088432.D	08 May 2025 16:33	AR\AJ	Ok
3	PEM	PD088433.D	08 May 2025 16:47	AR\AJ	Ok,NS
4	PSTDCCC050	PD088434.D	08 May 2025 17:00	AR\AJ	Ok
5	PB167914BL	PD088435.D	08 May 2025 17:14	AR\AJ	Ok
6	PB167914BS	PD088436.D	08 May 2025 17:27	AR\AJ	Ok,NS
7	PB167914BSD	PD088437.D	08 May 2025 17:41	AR\AJ	Ok
8	Q1956-07	PD088438.D	08 May 2025 17:55	AR\AJ	Ok
9	I.BLK	PD088439.D	08 May 2025 18:08	AR\AJ	Ok
10	PSTDCCC050	PD088440.D	08 May 2025 18:22	AR\AJ	Ok,NS

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM		
SubDirectory	PL042325	HP Acquire Method		HP Processing Method	pl042325 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#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095325.D	23 Apr 2025 10:36	AR\AJ	Ok
2	I.BLK	PL095326.D	23 Apr 2025 10:50	AR\AJ	Ok
3	PEM	PL095327.D	23 Apr 2025 11:04	AR\AJ	Ok,M
4	RESCHK	PL095328.D	23 Apr 2025 11:18	AR\AJ	Ok,M
5	PSTDICC100	PL095329.D	23 Apr 2025 11:31	AR\AJ	Ok
6	PSTDICC075	PL095330.D	23 Apr 2025 11:45	AR\AJ	Ok
7	PSTDICC050	PL095331.D	23 Apr 2025 11:59	AR\AJ	Ok
8	PSTDICC025	PL095332.D	23 Apr 2025 12:12	AR\AJ	Ok,M
9	PSTDICC005	PL095333.D	23 Apr 2025 12:26	AR\AJ	Ok,M
10	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40	AR\AJ	Ok
11	PCHLORICC750	PL095335.D	23 Apr 2025 12:53	AR\AJ	Ok
12	PCHLORICC500	PL095336.D	23 Apr 2025 13:07	AR\AJ	Ok
13	PCHLORICC250	PL095337.D	23 Apr 2025 13:21	AR\AJ	Ok
14	PCHLORICC050	PL095338.D	23 Apr 2025 13:51	AR\AJ	Ok,M
15	PTOXICC1000	PL095339.D	23 Apr 2025 14:04	AR\AJ	Ok
16	PTOXICC750	PL095340.D	23 Apr 2025 14:18	AR\AJ	Ok
17	PTOXICC500	PL095341.D	23 Apr 2025 14:32	AR\AJ	Ok
18	PTOXICC250	PL095342.D	23 Apr 2025 14:45	AR\AJ	Ok
19	PTOXICC100	PL095343.D	23 Apr 2025 14:59	AR\AJ	Ok,M
20	PSTDICV050	PL095344.D	23 Apr 2025 15:13	AR\AJ	Ok,M
21	PCHLORICV500	PL095345.D	23 Apr 2025 16:10	AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM		
SubDirectory	PL042325	HP Acquire Method		HP Processing Method	pl042325 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	PL095346.D	23 Apr 2025 16:24	AR\AJ	Ok
23	I.BLK	PL095347.D	23 Apr 2025 16:38	AR\AJ	Ok
24	PEM	PL095348.D	23 Apr 2025 16:52	AR\AJ	Ok,M
25	PSTDCCC050	PL095349.D	23 Apr 2025 17:05	AR\AJ	Ok,M
26	PB167688BL	PL095350.D	23 Apr 2025 17:19	AR\AJ	Ok
27	PB167688BS	PL095351.D	23 Apr 2025 17:33	AR\AJ	Not Ok
28	Q1848-01	PL095352.D	23 Apr 2025 17:46	AR\AJ	Ok,M
29	Q1848-03	PL095353.D	23 Apr 2025 18:00	AR\AJ	Ok,M
30	Q1848-03MS	PL095354.D	23 Apr 2025 18:14	AR\AJ	Ok,M
31	Q1848-03MSD	PL095355.D	23 Apr 2025 18:28	AR\AJ	Ok,M
32	Q1848-05	PL095356.D	23 Apr 2025 18:41	AR\AJ	Ok,M
33	Q1850-01	PL095357.D	23 Apr 2025 18:55	AR\AJ	Ok,M
34	I.BLK	PL095358.D	23 Apr 2025 19:23	AR\AJ	Ok,M
35	PSTDCCC050	PL095359.D	23 Apr 2025 19:50	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM		
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM		
SubDirectory	PL050725	HP Acquire Method		HP Processing Method	pl042325 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#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL095559.D	06 May 2025 09:59	AR\AJ	Ok
2	I.BLK	PL095560.D	06 May 2025 10:13	AR\AJ	Ok,M
3	PEM	PL095561.D	06 May 2025 12:38	AR\AJ	Ok,M
4	PSTDCCC050	PL095562.D	06 May 2025 12:51	AR\AJ	Ok,M
5	PB167878BL	PL095563.D	06 May 2025 13:56	AR\AJ	Ok,M
6	PB167878BS	PL095564.D	06 May 2025 14:26	AR\AJ	Ok,M
7	Q1961-01	PL095565.D	06 May 2025 14:42	AR\AJ	Ok,M
8	I.BLK	PL095566.D	06 May 2025 14:56	AR\AJ	Ok,M
9	PSTDCCC050	PL095567.D	06 May 2025 16:37	AR\AJ	Ok,M
10	Q1938-03	PL095568.D	06 May 2025 16:55	AR\AJ	Ok,M
11	Q1962-01	PL095569.D	06 May 2025 17:09	AR\AJ	Ok,M
12	Q1960-02	PL095570.D	06 May 2025 17:23	AR\AJ	Ok,M
13	Q1956-01	PL095571.D	06 May 2025 17:36	AR\AJ	Ok
14	Q1956-02	PL095572.D	06 May 2025 17:50	AR\AJ	Ok,M
15	Q1956-03MS	PL095573.D	06 May 2025 18:04	AR\AJ	Ok,M
16	Q1956-04MSD	PL095574.D	06 May 2025 18:17	AR\AJ	Ok,M
17	Q1956-06	PL095575.D	06 May 2025 18:31	AR\AJ	Ok,M
18	I.BLK	PL095576.D	06 May 2025 18:45	AR\AJ	Ok,M
19	PSTDCCC050	PL095577.D	06 May 2025 18:58	AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch 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#	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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch 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	

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

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

Instrument ID: ECD_D

Daily Analysis Runlog For Sequence/QCBatch ID # PD050825

Review By	Abdul	Review On	5/9/2025 7:51:54 AM		
Supervise By		Supervise On			
SubDirectory	PD050825	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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PD088431.D	08 May 2025 15:56		AR\AJ	Ok
2	I.BLK	I.BLK	PD088432.D	08 May 2025 16:33		AR\AJ	Ok
3	PEM	PEM	PD088433.D	08 May 2025 16:47		AR\AJ	Ok,NS
4	PSTDCCC050	PSTDCCC050	PD088434.D	08 May 2025 17:00		AR\AJ	Ok
5	PB167914BL	PB167914BL	PD088435.D	08 May 2025 17:14		AR\AJ	Ok
6	PB167914BS	PB167914BS	PD088436.D	08 May 2025 17:27		AR\AJ	Ok,NS
7	PB167914BSD	PB167914BSD	PD088437.D	08 May 2025 17:41		AR\AJ	Ok
8	Q1956-07	FB-05022025	PD088438.D	08 May 2025 17:55		AR\AJ	Ok
9	I.BLK	I.BLK	PD088439.D	08 May 2025 18:08		AR\AJ	Ok
10	PSTDCCC050	PSTDCCC050	PD088440.D	08 May 2025 18:22		AR\AJ	Ok,NS

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM		
SubDirectory	PL042325	HP Acquire Method		HP Processing Method	pl042325 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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095325.D	23 Apr 2025 10:36		AR\AJ	Ok
2	I.BLK	I.BLK	PL095326.D	23 Apr 2025 10:50		AR\AJ	Ok
3	PEM	PEM	PL095327.D	23 Apr 2025 11:04		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL095328.D	23 Apr 2025 11:18		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL095329.D	23 Apr 2025 11:31		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL095330.D	23 Apr 2025 11:45		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL095331.D	23 Apr 2025 11:59		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL095332.D	23 Apr 2025 12:12		AR\AJ	Ok,M
9	PSTDICC005	PSTDICC005	PL095333.D	23 Apr 2025 12:26		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL095334.D	23 Apr 2025 12:40		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL095335.D	23 Apr 2025 12:53		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL095336.D	23 Apr 2025 13:07		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL095337.D	23 Apr 2025 13:21		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL095338.D	23 Apr 2025 13:51		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL095339.D	23 Apr 2025 14:04		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL095340.D	23 Apr 2025 14:18		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL095341.D	23 Apr 2025 14:32		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL095342.D	23 Apr 2025 14:45		AR\AJ	Ok

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL042325

Review By	Abdul	Review On	4/24/2025 8:49:02 AM		
Supervise By	mohammad	Supervise On	4/26/2025 2:18:30 AM		
SubDirectory	PL042325	HP Acquire Method		HP Processing Method	pl042325 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	

19	PTOXICC100	PTOXICC100	PL095343.D	23 Apr 2025 14:59		AR\AJ	Ok,M
20	PSTDICV050	ICVPL042325	PL095344.D	23 Apr 2025 15:13		AR\AJ	Ok,M
21	PCHLORICV500	ICVPL042325CHLOR	PL095345.D	23 Apr 2025 16:10		AR\AJ	Ok
22	PTOXICV500	ICVPL042325TOX	PL095346.D	23 Apr 2025 16:24		AR\AJ	Ok
23	I.BLK	I.BLK	PL095347.D	23 Apr 2025 16:38		AR\AJ	Ok
24	PEM	PEM	PL095348.D	23 Apr 2025 16:52		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL095349.D	23 Apr 2025 17:05		AR\AJ	Ok,M
26	PB167688BL	PB167688BL	PL095350.D	23 Apr 2025 17:19		AR\AJ	Ok
27	PB167688BS	PB167688BS	PL095351.D	23 Apr 2025 17:33	Endrin ketone recovery high	AR\AJ	Not Ok
28	Q1848-01	RBR200027	PL095352.D	23 Apr 2025 17:46		AR\AJ	Ok,M
29	Q1848-03	ETGI-275	PL095353.D	23 Apr 2025 18:00	DCB Low in 1st column	AR\AJ	Ok,M
30	Q1848-03MS	ETGI-275MS	PL095354.D	23 Apr 2025 18:14	Some compound recovery fail	AR\AJ	Ok,M
31	Q1848-03MSD	ETGI-275MSD	PL095355.D	23 Apr 2025 18:28	DCB Low in 1st column , Some compound recovery fail , RPD Fail	AR\AJ	Ok,M
32	Q1848-05	ETGI-342	PL095356.D	23 Apr 2025 18:41	DCB Low in 1st column	AR\AJ	Ok,M
33	Q1850-01	CONCRETE-PILE-N-C-	PL095357.D	23 Apr 2025 18:55		AR\AJ	Ok,M
34	I.BLK	I.BLK	PL095358.D	23 Apr 2025 19:23		AR\AJ	Ok,M
35	PSTDCCC050	PSTDCCC050	PL095359.D	23 Apr 2025 19:50		AR\AJ	Ok,M

M : Manual Integration

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM		
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM		
SubDirectory	PL050725	HP Acquire Method		HP Processing Method	pl042325 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#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL095559.D	06 May 2025 09:59		AR\AJ	Ok
2	I.BLK	I.BLK	PL095560.D	06 May 2025 10:13		AR\AJ	Ok,M
3	PEM	PEM	PL095561.D	06 May 2025 12:38		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL095562.D	06 May 2025 12:51		AR\AJ	Ok,M
5	PB167878BL	PB167878BL	PL095563.D	06 May 2025 13:56		AR\AJ	Ok,M
6	PB167878BS	PB167878BS	PL095564.D	06 May 2025 14:26		AR\AJ	Ok,M
7	Q1961-01	EO-01-050525	PL095565.D	06 May 2025 14:42		AR\AJ	Ok,M
8	I.BLK	I.BLK	PL095566.D	06 May 2025 14:56		AR\AJ	Ok,M
9	PSTDCCC050	PSTDCCC050	PL095567.D	06 May 2025 16:37		AR\AJ	Ok,M
10	Q1938-03	LOWER-WALL-PILE-B	PL095568.D	06 May 2025 16:55		AR\AJ	Ok,M
11	Q1962-01	HD-01-050525	PL095569.D	06 May 2025 17:09		AR\AJ	Ok,M
12	Q1960-02	72-11933	PL095570.D	06 May 2025 17:23		AR\AJ	Ok,M
13	Q1956-01	SB1-3-4	PL095571.D	06 May 2025 17:36		AR\AJ	Ok
14	Q1956-02	SB2-4-5	PL095572.D	06 May 2025 17:50		AR\AJ	Ok,M
15	Q1956-03MS	SB2-4-5MS	PL095573.D	06 May 2025 18:04		AR\AJ	Ok,M
16	Q1956-04MSD	SB2-4-5MSD	PL095574.D	06 May 2025 18:17		AR\AJ	Ok,M
17	Q1956-06	SB91-3-4	PL095575.D	06 May 2025 18:31		AR\AJ	Ok,M
18	I.BLK	I.BLK	PL095576.D	06 May 2025 18:45		AR\AJ	Ok,M

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

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL050725

Review By	yogesh	Review On	5/7/2025 9:51:27 AM		
Supervise By	mohammad	Supervise On	5/8/2025 2:15:24 AM		
SubDirectory	PL050725	HP Acquire Method		HP Processing Method	pl042325 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	

19	PSTDCCC050	PSTDCCC050	PL095577.D	06 May 2025 18:58		AR\AJ	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/6/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:05
In Date: 05/05/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:30
Out Date: 05/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135668

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1956-01	SB1-3-4	1	1.17	9.98	11.15	10.05	89.0	
Q1956-02	SB2-4-5	2	1.18	10.62	11.8	11.11	93.5	
Q1956-03	Q1956-02MS	3	1.18	10.62	11.8	11.11	93.5	
Q1956-04	Q1956-02MSD	4	1.18	10.62	11.8	11.11	93.5	
Q1956-06	SB91-3-4	5	1.14	10.65	11.79	10.75	90.2	
Q1957-01	AT090P-SD05-050125-00	6	1.15	10.74	11.89	3.3	20.0	
Q1957-02	AT090P-SD03-050125-00	7	1.18	10.90	12.08	3.97	25.6	
Q1957-03	AT090P-SD04-050125-00	8	1.19	10.36	11.55	2.09	8.7	
Q1958-01	SS050P-SD28-043025-00	9	1.16	10.21	11.37	9.51	81.8	
Q1958-02	SS050P-SD29-043025-00	10	1.17	9.97	11.14	3.2	20.4	
Q1958-03	SS050P-SD30-050225-00	11	1.19	10.62	11.81	9.59	79.1	
Q1958-04	SS050P-SD31-050225-00	12	1.19	10.13	11.32	9.18	78.9	
Q1959-01	SOIL-PILE	13	1.18	10.18	11.36	10.11	87.7	
Q1960-01	344	14	1.00	1.00	2.00	2.00	100.0	stone sample,100% solids
Q1960-02	72-11933	15	1.15	10.38	11.53	10.24	87.6	
Q1961-01	EO-01-050225	16	1.18	10.08	11.26	10.53	92.8	
Q1961-02	EO-01-050225-E2	17	1.14	10.18	11.32	10.88	95.7	
Q1962-01	HD-01-050525	18	1.18	10.10	11.28	9.87	86.0	
Q1962-02	HD-01-050525-E2	19	1.19	10.43	11.62	9.91	83.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB1356668

WorkList Name : %1-050525-1 **WorkList ID :** 189298 **Department :** Wet-Chemistry **Date :** 05-05-2025 08:48:32

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1956-01	SB1-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1956-02	SB2-4-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-03	Q1956-02MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-04	Q1956-02MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1956-06	SB91-3-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/02/2025	Chemtech -SO
Q1957-01	AT090P-SD05-050125-00	Solid	Percent Solids	Cool 4 deg C	CAMP02	L31	05/01/2025	Chemtech -SO
Q1957-02	AT090P-SD03-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1957-03	AT090P-SD04-050125-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-01	SS050P-SD28-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/01/2025	Chemtech -SO
Q1958-02	SS050P-SD29-043025-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-03	SS050P-SD30-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	04/30/2025	Chemtech -SO
Q1958-04	SS050P-SD31-050225-00	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1959-01	SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	WEST04	L51	05/02/2025	Chemtech -SO
Q1960-01	344	Solid	Percent Solids	Cool 4 deg C	PSEG04	L41	05/05/2025	Chemtech -SO
Q1960-02	72-11933	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-01	EO-01-050225	Solid	Percent Solids	Cool 4 deg C	PSEG03	L51	05/05/2025	Chemtech -SO
Q1961-02	EO-01-050225-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-01	HD-01-050525	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO
Q1962-02	HD-01-050525-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L51	05/05/2025	Chemtech -SO

Date/Time 05/05/25 15:20
Raw Sample Received by: JR WQ
Raw Sample Relinquished by: SM

Date/Time 05/05/25 17:15
Raw Sample Received by: SM
Raw Sample Relinquished by: JR WQ

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167878

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Florisil

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 05/06/2025

Extraction Start Time : 08:55

Extraction End Date : 05/06/2025

Extraction End Time : 11:55

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [_] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [√] Soxhlet

Standared 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
Hexane/Acetone/1:1	N/A	EP2601
Baked Na2SO4	N/A	EP2607
Sand	N/A	E2865
Hexane	N/A	E3933
Florisil	N/A	E3806
9:1 Hexane:Acetone Mixture	N/A	EP2596
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/6/25	RS (Ext lab)	Y. P. Pugh IFCB.
12:00	**Preparation Group**	**Analysis Group**

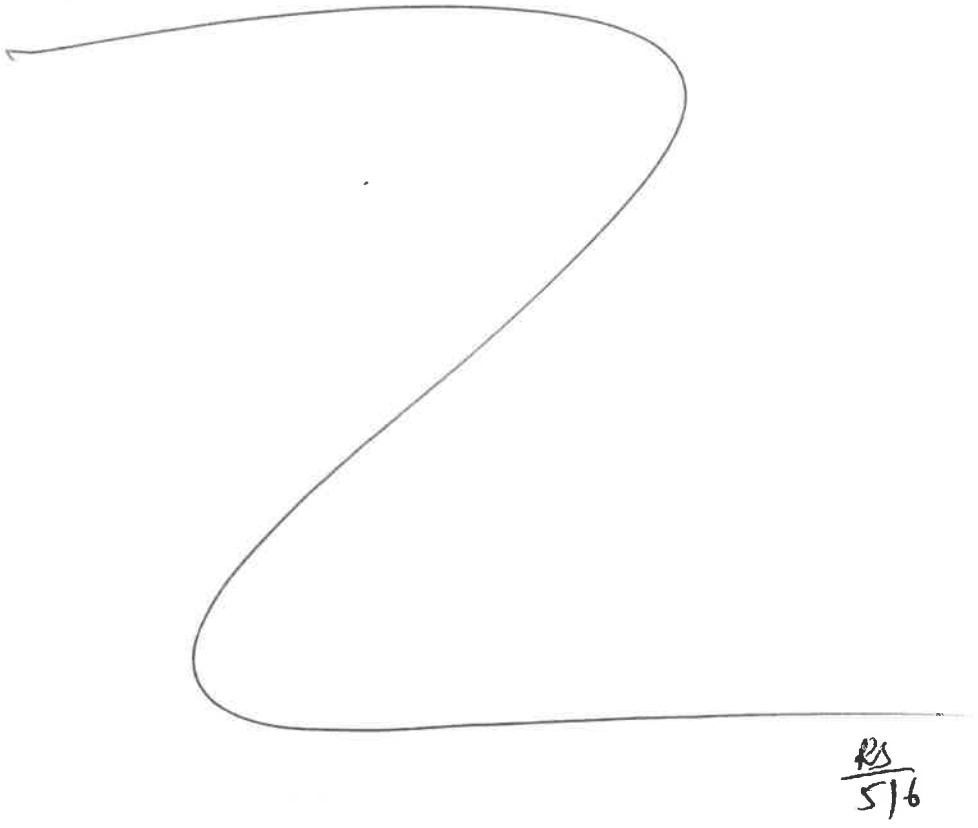
Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167878

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 05/06/2025

Sample ID	Client Sample ID	Test	(g)/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167878BL	PBLK878	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10			U7-1
PB167878BS	PLCS878	Pesticide-TCL	30.03	N/A	ritesh	Evelyn	10			2
Q1956-01	SB1-3-4	Pesticide-TCL	30.07	N/A	ritesh	Evelyn	10	M		3
Q1956-02	SB2-4-5	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	M		4
Q1956-03	Q1956-02MS	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	M		5
Q1956-04	Q1956-02MSD	Pesticide-TCL	30.05	N/A	ritesh	Evelyn	10	M		6
Q1956-06	SB91-3-4	Pesticide-TCL	30.08	N/A	ritesh	Evelyn	10	M		U6-1
Q1960-02	72-11933	Pesticide-TCL	30.06	N/A	ritesh	Evelyn	10	E		2
Q1961-01	EO-01-050225	Pesticide-TCL	30.04	N/A	ritesh	Evelyn	10	E		3
Q1962-01	HD-01-050525	Pesticide-TCL	30.01	N/A	ritesh	Evelyn	10	E		4



5/6

* **Extracts relinguished on the same date as received.**

1678376
8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1956P **WorkList ID :** 189339 **Department :** Extraction **Date :** 05-06-2025 08:47:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1956-01	SB1-3-4	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/01/2025	8081B
Q1956-02	SB2-4-5	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/02/2025	8081B
Q1956-03	Q1956-02MS	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/02/2025	8081B
Q1956-04	Q1956-02MSD	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/02/2025	8081B
Q1956-06	SB91-3-4	Solid	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/01/2025	8081B
Q1960-02	72-11933	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	L51	05/05/2025	8081B
Q1961-01	EO-01-050225	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L51	05/05/2025	8081B
Q1962-01	HD-01-050525	Solid	Pesticide-TCL	Cool 4 deg C	PSEG05	L51	05/05/2025	8081B

Date/Time 05/06/25 8:50
Raw Sample Received by: RJ CEFT-(CCB)
Raw Sample Relinquished by: CP SM

Date/Time 05/06/25 9:15
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ CEFT-(CCB)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167914

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

Clean Up SOP #: Florisil

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,5,6,7

Extraction Start Date : 05/08/2025

Extraction Start Time : 08:51

Extraction End Date : 05/08/2025

Extraction End Time : 13:25

Concentration By: EH

Supervisor By : RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared 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	E3930
Baked Na2SO4	N/A	EP2607
Hexane	N/A	E3933
Florisil	N/A	E3806
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS723.Q1956-07 Limited volume received.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/8/25	RS (Extraction)	R. Patel/PCB Lab
13:30	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167914

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

Concentration Date: 05/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167914BL	PBLK914	Pesticide-TCL	1000	6	RUPESH	ritesh	10			SEP-9
PB167914BS	PLCS914	Pesticide-TCL	1000	6	RUPESH	ritesh	10			10
PB167914BSD	PLCSD914	Pesticide-TCL	1000	6	RUPESH	ritesh	10			11
Q1956-07	FB-05022025	Pesticide-TCL	430	6	RUPESH	ritesh	5	F		12

RS 5/8

* **Extracts relinquished on the same date as received.**

167914
8:51 pest

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1956H **WorkList ID :** 189389 **Department :** Extraction **Date :** 05-08-2025 08:33:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1956-07	FB-05022025	Water	Diesel Range Organics	Cool 4 deg C	CAMP02	L31	05/02/2025	8015D
Q1956-07	FB-05022025	Water	Herbicide	Cool 4 deg C	CAMP02	L31	05/02/2025	8151A
Q1956-07	FB-05022025	Water	Pesticide-TCL	Cool 4 deg C	CAMP02	L31	05/02/2025	8081B

Date/Time 5/8/25 8:35
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by:

Date/Time 5/8/25 9:00
Raw Sample Received by:
Raw Sample Relinquished by: RJ (Ext Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1956

Test : Pesticide-TCL

Prepbatch ID : PB167878,PB167914,

Sequence ID/Qc Batch ID: pd050825,pl050725,

Standard ID :
EP2601,EP2607,PP24095,PP24255,PP24256,PP24257,PP24258,PP24259,PP24260,PP24261,PP24262,PP24266,PP24267,PP24268,PP24269,PP24270,PP24271,PP24272,PP24273,PP24274,PP24275,PP24277,PP24278,PP24279,PP24280,PP24281,PP24282,PP24283,PP24284,PP24285,PP24329,PP24433,PP24460,

Chemical ID :
E2865,E3551,E3806,E3847,E3876,E3877,E3914,E3916,E3917,E3930,E3933,P12603,P12611,P13037,P13040,P13195,P13245,P13355,P13356,P13405,P13785,P13861,P9052,W3177,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
230	1:1ACETONE/HEXANE	EP2601	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3916 + 8000.00000ml of E3917 = Final Quantity: 8000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2607	04/25/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/25/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4027	Pesticide resolution Check Mixture 8081	PP24095	12/23/2024	06/16/2025	Abdul Mirza	None	None	Ankita Jodhani 12/30/2024

FROM 1.00000ml of P13245 + 99.00000ml of E3847 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24255	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13785 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP24256	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13040 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP24257	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 1.00000ml of P13037 + 9.00000ml of E3877 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP24258	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P9052 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP24259	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.20000ml of P13195 + 9.80000ml of E3877 = Final Quantity: 10.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP24260	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24256 + 0.50000ml of PP24258 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP24261	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 98.50000ml of E3877 + 0.50000ml of PP24255 + 0.50000ml of PP24257 + 0.50000ml of PP24259 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP24262	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12603 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3746	1000/100 ppb Chlordane STD-RESTEK 2ND SOURCE	PP24266	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P12611 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP24267	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13405 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3669	1000/100 PPB TOXAPHENE STD 2nd source (RESTEK)	PP24268	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.10000ml of P13861 + 99.40000ml of E3877 + 0.50000ml of PP24255 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP24269	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP24270	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24260 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP24271	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24260 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP24272	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24270 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP24273	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24261 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP24274	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24262 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP24275	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24262 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP24277	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24262 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP24278	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24275 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
532	CHLOR 500 PPB ICV STD	PP24279	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24266 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP24280	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.25000ml of E3877 + 0.75000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP24281	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24267 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP24282	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.75000ml of E3877 + 0.25000ml of PP24267 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP24283	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.90000ml of E3877 + 0.10000ml of PP24267 = Final Quantity: 1.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3670	TOX 500 PPB ICV std (RESTEK)	PP24284	03/11/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 0.50000ml of E3877 + 0.50000ml of PP24268 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
79	500 PPB Pesticide Spike Solution	PP24285	03/12/2025	08/12/2025	Abdul Mirza	None	None	Ankita Jodhani 03/12/2025

FROM 95.00000ml of E3876 + 2.50000ml of PP24257 + 2.50000ml of PP24259 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP24329	03/18/2025	08/22/2025	Yogesh Patel	None	None	Abdul Mirza 04/03/2025

FROM 1.00000ml of P13356 + 9.00000ml of W3177 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
518	Pest/PCB I.BLK 20 PPB	PP24433	03/31/2025	08/22/2025	Abdul Mirza	None	None	Yogesh Patel 04/02/2025

FROM 99.90000ml of E3914 + 0.10000ml of PP24329 = Final Quantity: 100.000 ml

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

Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
465	200 PPB Pest/PCB Surrogate Spike	PP24460	04/11/2025	10/03/2025	Abdul Mirza	None	None	Yogesh Patel 04/16/2025

FROM 1.00000ml of P13355 + 999.00000ml of E3917 = Final Quantity: 1000.000 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agela Technologies Inc.	FS0006 / Cleanert Florisil cartridge	M06518	09/25/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	06/16/2025	12/16/2024 / Rajesh	12/13/2024 / Rajesh	E3847

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	08/12/2025	02/12/2025 / Rajesh	02/12/2025 / Rajesh	E3877

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	09/19/2025	03/19/2025 / RUPESH	03/13/2025 / RUPESH	E3914

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	243570	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3916

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	25C0362005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3933

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0197993	09/11/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12603

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Chlordane Std.	A0193299	09/09/2025	03/10/2025 / Abdul	07/03/2023 / Abdul	P12611

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0200423	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13037

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0199099	09/10/2025	03/10/2025 / Abdul	12/26/2023 / Abdul	P13040

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	042022	09/10/2025	03/10/2025 / Abdul	01/17/2024 / Abdul	P13195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	19161 / 8081 pesticide resolution check mixture	013124	06/23/2025	12/23/2024 / Abdul	02/09/2024 / Abdul	P13245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	10/11/2025	04/11/2025 / Abdul	04/22/2024 / Abdul	P13355

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0206810	09/18/2025	03/18/2025 / yogesh	04/22/2024 / Abdul	P13356

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0203038	09/09/2025	03/10/2025 / Abdul	05/15/2024 / Abdul	P13405

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0214495	09/10/2025	03/10/2025 / Abdul	11/19/2024 / Ankita	P13785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0210240	09/10/2025	03/10/2025 / Abdul	12/09/2024 / Abdul	P13861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	112018	09/10/2025	03/10/2025 / Abdul	11/01/2019 / Stephen	P9052

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	08/22/2025	02/03/2025 / jignesh	01/31/2025 / jignesh	W3177

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

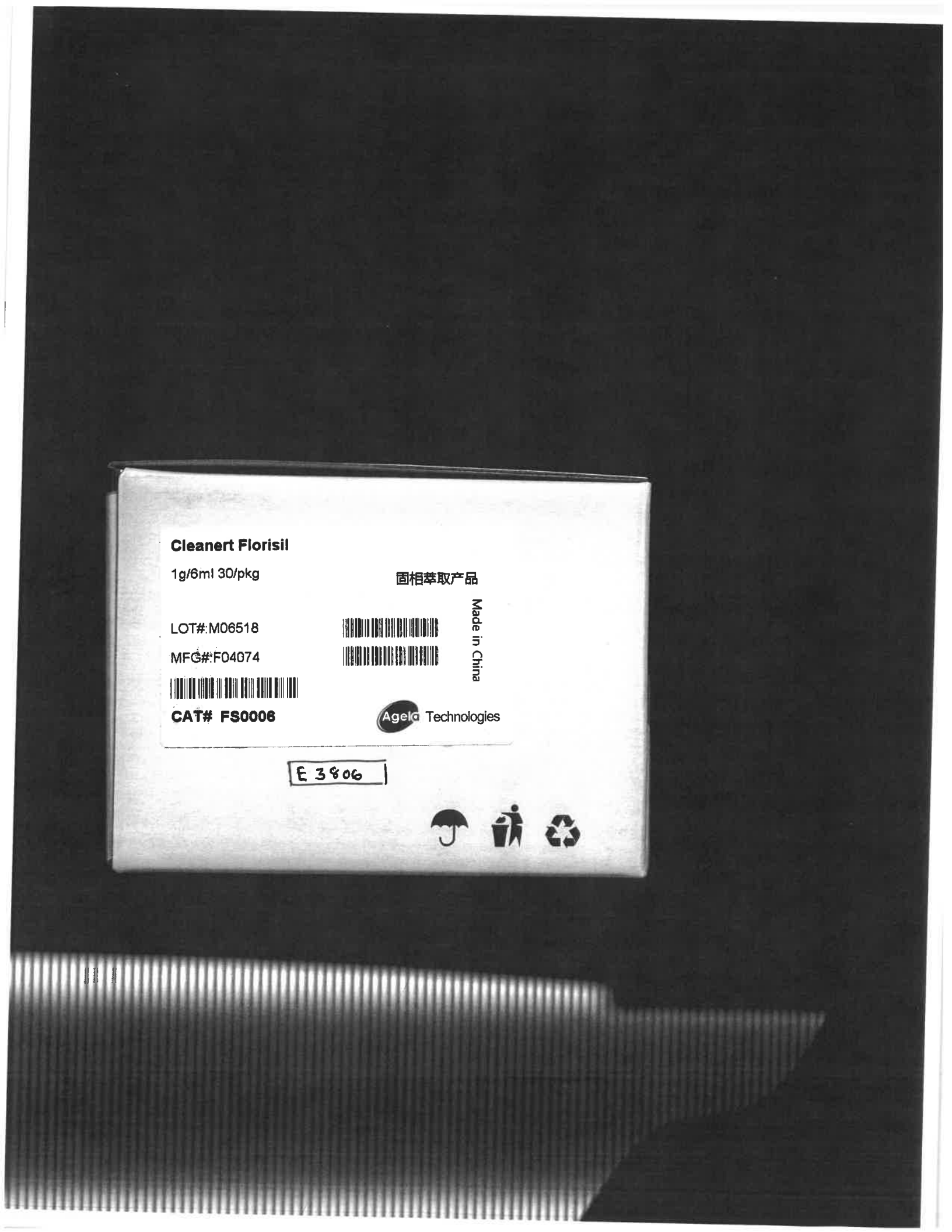
COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551


Cleanert Florisil
1g/6ml 30/pkg
固相萃取产品
LOT#:M06518
MFG#:F04074
CAT# FS0006
Made in China
Agela Technologies
E3806

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 12/13/24

E3847

J Croak

Jamie Croak
Director Quality Operations, Bioscience Production

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A			
Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RP on 2/12/25

E3877

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Recd by RS on 3/14/25

Harout Sahagian - Quality Control Manager - Fair Lawn

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Certificate of Analysis

ThermoFisher SCIENTIFIC

Certificate of Analysis

1 Reagent Lane
Fair Lawn, NJ 07410
201.796.7100 tel
201.796.1329 fax

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by SAI Global Certificate Number CERT – 0120633

This is to certify that units of the lot number below were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the final formulator and end user to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The following information is the actual analytical results obtained.

Catalog Number	H303	Quality Test / Release Date	11/07/2024
Lot Number	243570		
Description	HEXANES - OPTIMA		
Country of Origin	United States	Suggested Retest Date	Nov/2029
Chemical Origin	Organic - non animal		
BSE/TSE Comment	No animal products are used as starting raw material ingredients, or used in processing, including lubricants, processing aids, or any other material that might migrate to the finished product.		

N/A

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	Clear, colorless liquid
ASSAY (N-HEXANE)	%	>= 60	69
ASSAY (SUM C6 HYDROCARBONS)	%	>= 99.9	>99.9
COLOR	APHA	<= 5	<5
DENSITY AT 25 DEGREES C	GM/ML	Inclusive Between 0.653 - 0.673	0.669
EVAPORATION RESIDUE	ppm	<= 1	<1
FLUORESCENCE BACKGROUND	ppb	<= 1	<1
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
OPTICAL ABS AT 195 NM	ABS. UNITS	<= 1	0.74
OPTICAL ABS AT 210 NM	ABS. UNITS	<= 0.25	0.17
OPTICAL ABS AT 220 NM	ABS. UNITS	<= 0.07	0.05
OPTICAL ABS AT 254 NM	ABS. UNITS	<= 0.005	0.001
PESTICIDE RESIDUE ANALYSIS	NG/L	<= 10	<10
REFRACTIVE INDEX @ 25 DEG C		Inclusive Between 1.375 - 1.385	1.379
SUITABILITY FOR GC/MS		= PASS TEST	PASS TEST
SULFUR COMPOUNDS	%	<= 0.005	<0.005
THIOPHENE	PASS/FAIL	= PASS TEST	PASS TEST
WATER (H2O)	%	<= 0.01	<0.01
WATER-SOLUBLE TITRABLE ACID	MEQ/G	<= 0.0003	0.0001

Harout Sahagian - Quality Control Manager - Fair Lawn

Rec'd by RP on 3/31/25

E3916

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of this catalog number listed above.
If there are any questions with this certificate, please call at (800) 227-6701.
*Based on suggested storage condition.

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9262-03
Batch No.: 25C0362005
Manufactured Date: 2025-01-29
Expiration Date:2026-04-30
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	6
ECD-Sensitive Impurities (as EthyleneDibromide) - Single Impurity Peak (ng/mL)	<= 5	5
Assay (Total Saturated C_6 Isomers) (byGC, corrected for water)	>= 99.5 %	100.0 %
Assay (as n-Hexane) (by GC, correctedfor water)	>= 95 %	100 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	<= 0.05 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3933

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12614 V P12615 Five

Catalog No. : 32021 **Lot No.:** A0193299

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2029 **Storage:** 10°C or colder

Ship: Ambient

7/3/2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,010.0 µg/mL	+/- 56.0475

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

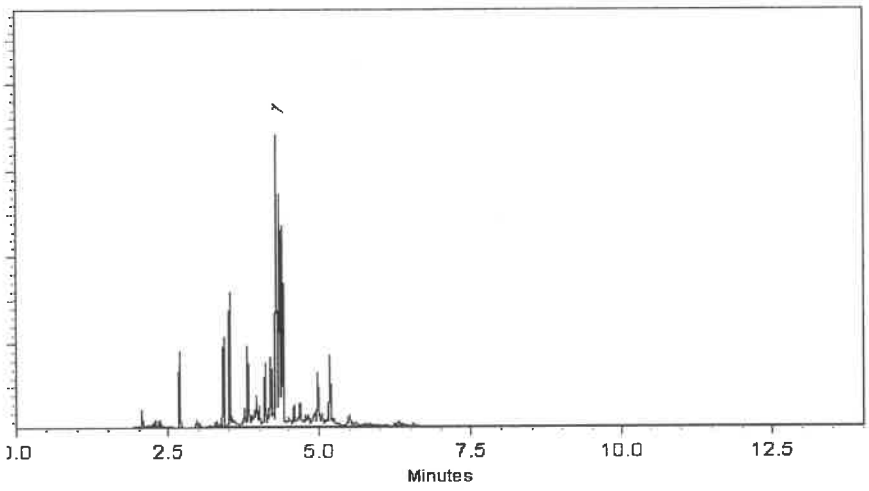
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Bryan Snyder - Operations Tech I

Date Mixed: 06-Jan-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12691 ↓ P12695

7/3/2023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P130397 } 5
↓
P130431

Catalog No. : 32291 **Lot No.:** A0199099

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

12.26.2023

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.0 µg/mL	+/- 8.9732
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	200.1 µg/mL	+/- 8.9762
3	beta-BHC	319-85-7	BCCC6425	99%	200.3 µg/mL	+/- 8.9844
4	delta-BHC	319-86-8	14450800	98%	200.0 µg/mL	+/- 8.9740
5	Heptachlor	76-44-8	813251	99%	200.1 µg/mL	+/- 8.9754
6	Aldrin	309-00-2	14389400	98%	200.0 µg/mL	+/- 8.9718
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.1 µg/mL	+/- 8.9754
8	trans-Chlordane	5103-74-2	32943	98%	199.9 µg/mL	+/- 8.9696
9	cis-Chlordane	5103-71-9	31766	98%	200.1 µg/mL	+/- 8.9762
10	Endosulfan I	959-98-8	BCCF4060	99%	200.1 µg/mL	+/- 8.9754
11	4,4'-DDE	72-55-9	GHYQG	99%	200.1 µg/mL	+/- 8.9777
12	Dieldrin	60-57-1	11129900	98%	200.0 µg/mL	+/- 8.9718
13	Endrin	72-20-8	14123200	98%	199.9 µg/mL	+/- 8.9696
14	4,4'-DDD	72-54-8	HAN02	99%	200.1 µg/mL	+/- 8.9777
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	200.0 µg/mL	+/- 8.9718

17	Endrin aldehyde	7421-93-4	30720	98%	200.1	µg/mL	+/- 8.9784
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.0	µg/mL	+/- 8.9732
19	Methoxychlor	72-43-5	13668200	99%	200.1	µg/mL	+/- 8.9777
20	Endrin ketone	53494-70-5	1-ABS-16-7	98%	200.0	µg/mL	+/- 8.9740

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P 13039 5
↓
P 13043 1
12/26/23

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

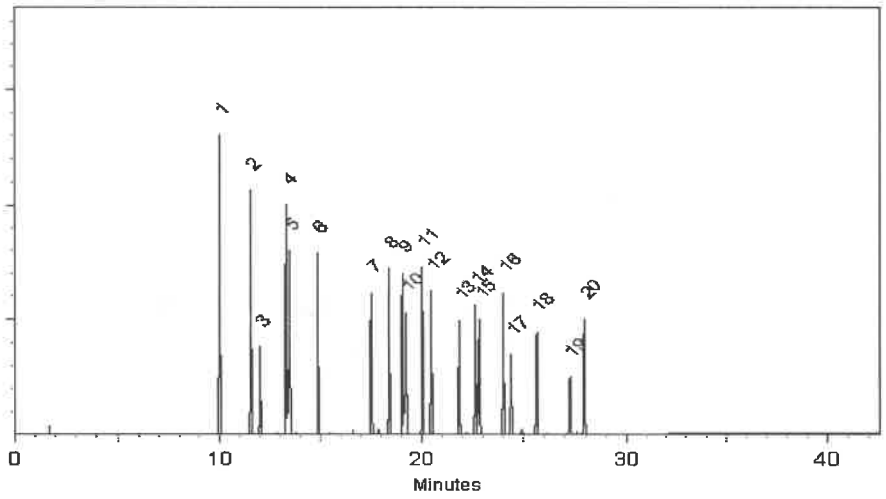
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 19-Jun-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Jun-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 042022
Description: Mirex

Solvent(s): Acetone **Lot#** 81025

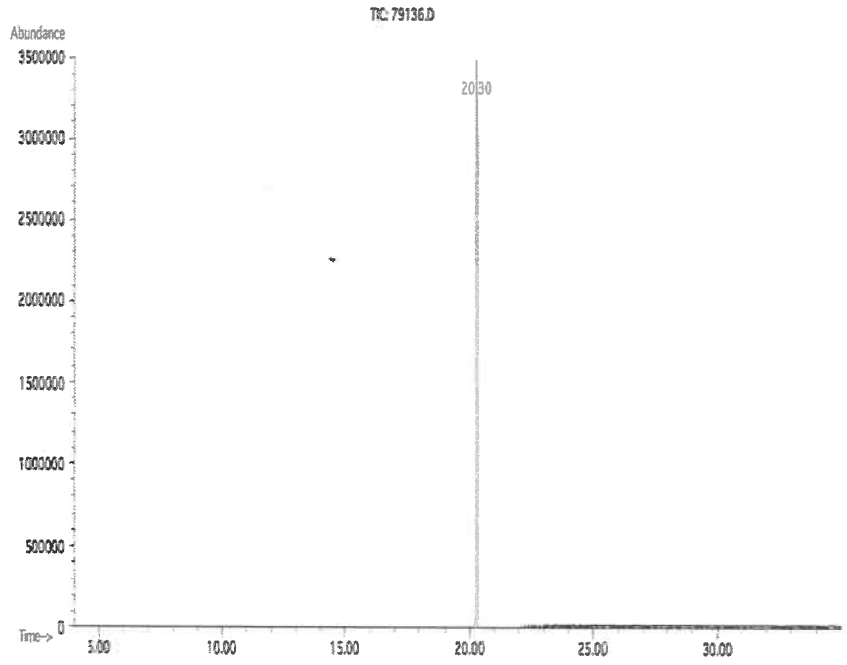
Expiration Date: 042027
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.006 Flask Uncertainty

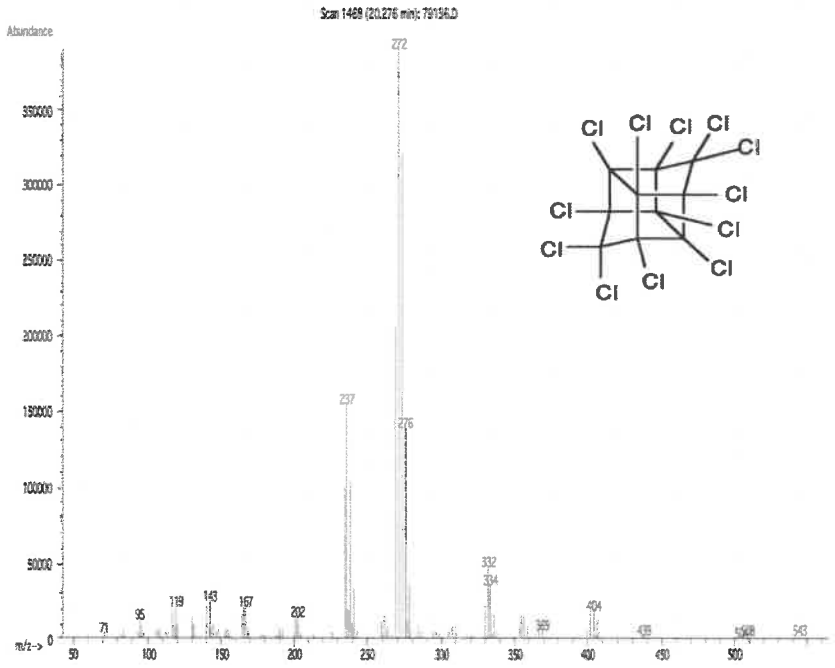
Prashant Chauhan 042022
Formulated By: Prashant Chauhan DATE

Pedro Rentas 042022
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05034	0.05040	1001.1	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





P13195
↓
P13199
↓
(5)
|

01/17/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

P13195

↓

P13199

5

[signature]

01/17/2024

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P12603 (3)
↓
P12605
7/3/2023

Catalog No. : 32021 **Lot No.:** A0197993

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Chlordane 10% trans-Chlordane; 9% cis-Chlordane; 81% other isomers	57-74-9	978545	----%	1,005.0 µg/mL	+/- 55.7700

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

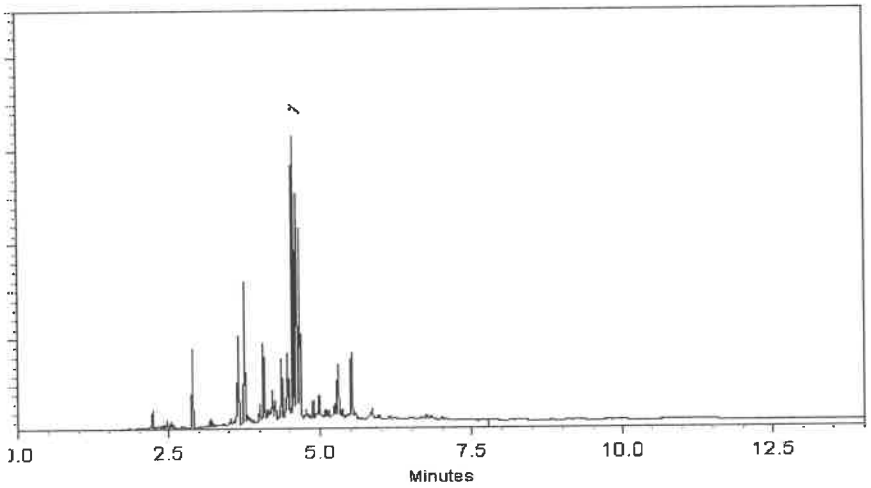
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 11-May-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-May-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P12603 & P12605 (3)

7/3/2023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P 13034 ↓ P 13038 5

12.26.2023

Catalog No. : 32291 **Lot No.:** A0200423

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	alpha-BHC	319-84-6	14434500	99%	200.5 µg/mL	+/- 8.9956
2	gamma-BHC (Lindane)	58-89-9	14184400	98%	199.9 µg/mL	+/- 8.9696
3	beta-BHC	319-85-7	BCCC6425	99%	200.0 µg/mL	+/- 8.9732
4	delta-BHC	319-86-8	14450800	98%	199.9 µg/mL	+/- 8.9696
5	Heptachlor	76-44-8	813251	99%	202.0 µg/mL	+/- 9.0629
6	Aldrin	309-00-2	14389400	98%	200.9 µg/mL	+/- 9.0136
7	Heptachlor epoxide (isomer B)	1024-57-3	14448800	99%	200.0 µg/mL	+/- 8.9732
8	trans-Chlordane	5103-74-2	34616	99%	200.5 µg/mL	+/- 8.9956
9	cis-Chlordane	5103-71-9	31766	98%	201.4 µg/mL	+/- 9.0356
10	Endosulfan I	959-98-8	BCCF4060	99%	200.0 µg/mL	+/- 8.9732
11	4,4'-DDE	72-55-9	GHYQG	99%	201.5 µg/mL	+/- 9.0405
12	Dieldrin	60-57-1	14515000	98%	199.9 µg/mL	+/- 8.9696
13	Endrin	72-20-8	14485300	98%	200.4 µg/mL	+/- 8.9916
14	4,4'-DDD	72-54-8	HAN02	99%	200.5 µg/mL	+/- 8.9956
15	Endosulfan II	33213-65-9	14374700	99%	200.0 µg/mL	+/- 8.9732
16	4,4'-DDT	50-29-3	230410JLMA	98%	201.9 µg/mL	+/- 9.0575

17	Endrin aldehyde	7421-93-4	30720	98%	201.4	µg/mL	+/- 9.0356
18	Endosulfan sulfate	1031-07-8	BCCH9010	99%	200.5	µg/mL	+/- 8.9956
19	Methoxychlor	72-43-5	14563200	98%	200.9	µg/mL	+/- 9.0136
20	Endrin ketone	53494-70-5	14537700	98%	199.9	µg/mL	+/- 8.9696

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

P13034) 5
↓
P13038 1

12/26/2023

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

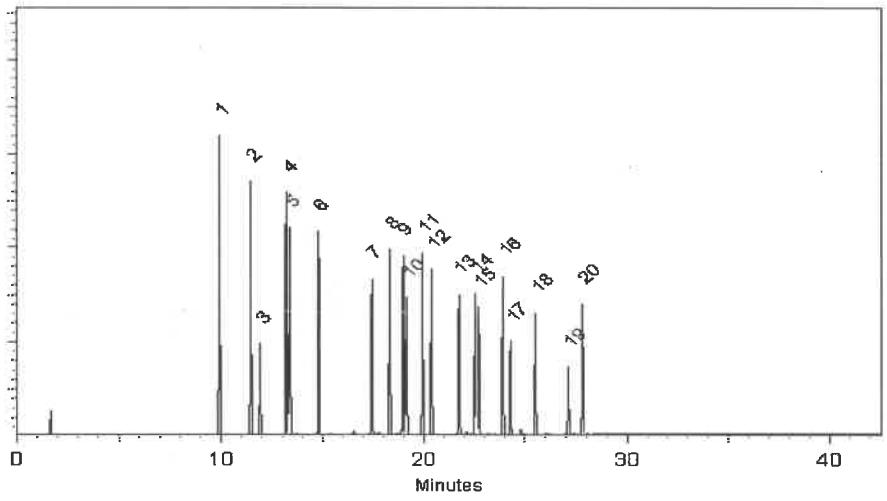
Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
Split ratio 50:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 31-Jul-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 19161
Lot Number: 013124
Description: CLP Pesticides & PCB's Resolution Check Standard
9 components

Solvent(s):	Lot#	
Hexane	273615	(50%)
Toluene	28508	(50%)

Expiration Date: 013129
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Volume(s) shown below were combined and diluted to (mL): 100.0 ± 0.021 Flask Uncertainty

5E-05 Balance Uncertainty

Formulated By:	Lawrence Barry	013124 DATE
Reviewed By:	Pedro L. Rentas	013124 DATE

	Compound	Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(ug/mL)	Final Conc.(ug/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	trans-Chlordane	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	5103-74-2	0.5mg/m3 (skin)	orl-rat 500mg/kg
2.	Endosulfan I	19361	013124	0.010	1.00	0.004	101.3	1.0	0.02	959-98-8	0.1mg/m3 (skin)	orl-rat 18mg/kg
3.	4,4'-DDE	19361	013124	0.010	1.00	0.004	201.6	2.0	0.03	72-55-9	N/A	orl-rat 880mg/kg
4.	Dieldrin	19361	013124	0.010	1.00	0.004	202.8	2.0	0.03	60-57-1	0.25mg/m3 (skin)	orl-rat 38300ug/kg
5.	Endosulfan sulfate	19361	013124	0.010	1.00	0.004	204.2	2.0	0.03	1031-07-8	N/A	orl-rat 18mg/kg
6.	Endrin ketone	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	53494-70-5	N/A	N/A
7.	4,4'-Methoxychlor	19361	013124	0.010	1.00	0.004	1000.7	10.0	0.09	72-43-5	10mg/m3	orl-rat 6000mg/kg
8.	2,4,5,6-Tetrachloro-m-xylene	19361	013124	0.010	1.00	0.004	202.6	2.0	0.03	877-09-8	N/A	N/A
9.	Decachlorobiphenyl (209)	19361	013124	0.010	1.00	0.004	202.0	2.0	0.03	2051-24-3	N/A	N/A

P13243 } (5)
thru
P13247

02/9/2024

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

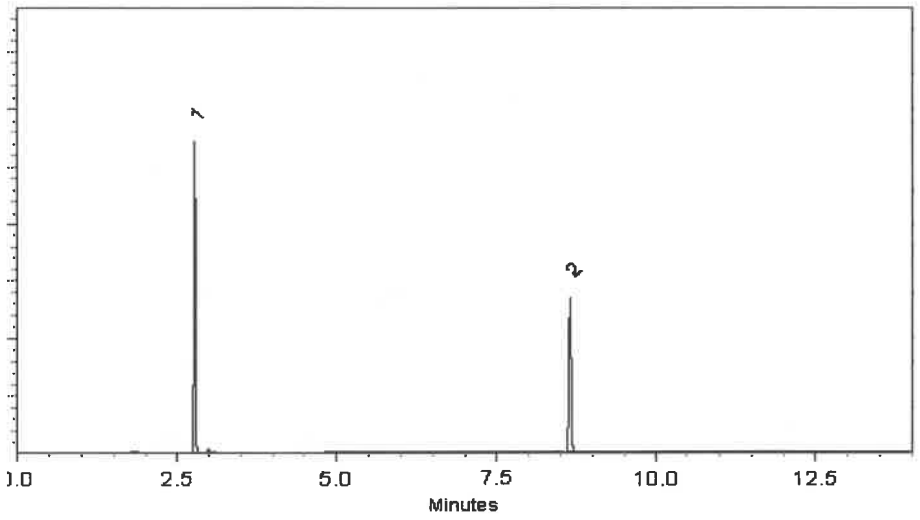
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13348 ↓ P13357 (10)

04/25/2024

Catalog No. : 32000 **Lot No.:** A0206810

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.3 µg/mL	+/- 11.1143
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30638	99%	200.6 µg/mL	+/- 11.1298

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
hellum-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

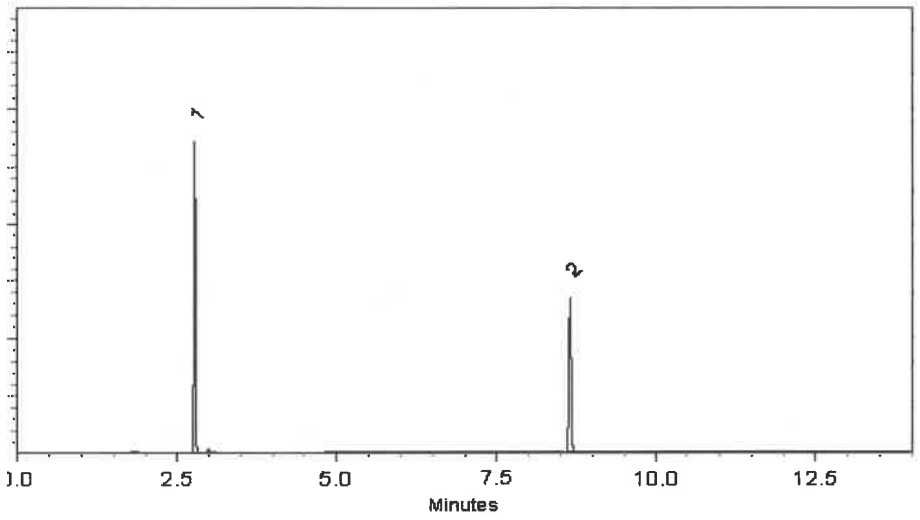
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Laith Clemente - Operations Technician I

Date Mixed: 22-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13348 (10)

↓

P13357

04/25/2025

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P13402 & P13406 (5)

5/22/2024

Catalog No. : 32005 **Lot No.:** A0203038

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.0 µg/mL	+/- 55.9920

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

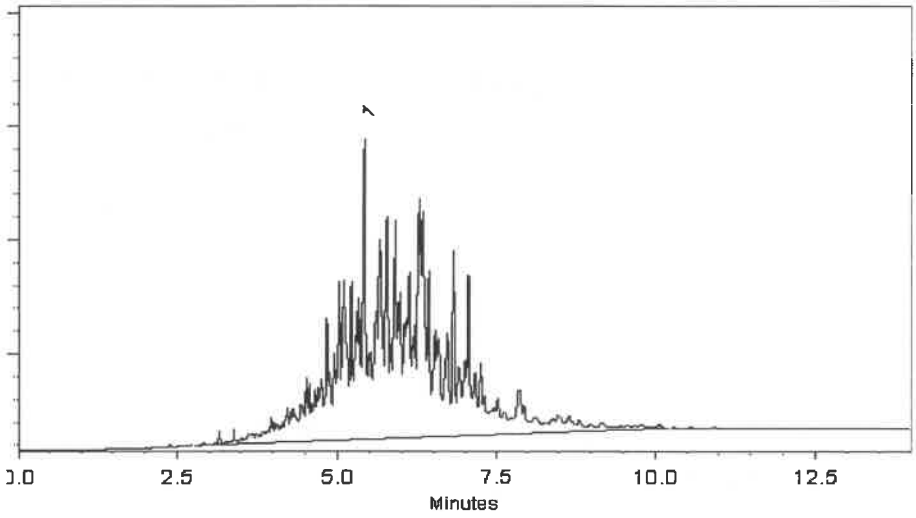
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I **Date Mixed:** 10-Oct-2023 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 16-Oct-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13402
↓
P13406
5

5/22/2024

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0214495

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2030 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

P19785
↓
P19789
AJ
11/19/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene	877-09-8	RP220407	99%	200.2 µg/mL	+/- 11.1087
2	Decachlorobiphenyl (BZ# 209)	2051-24-3	30679	99%	201.4 µg/mL	+/- 11.1753

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Tech Tips:

Decachlorobiphenyl has poor solubility in most organic solvents. The maximum concentration that can be prepared in acetone, hexane, or isooctane is 200µg/mL. Temperature will affect the solubility as well. Storing solutions at reduced temperatures will cause decachlorobiphenyl to precipitate.

Products containing decachlorobiphenyl must be sonicated for a minimum of 10 minutes prior to opening the ampul. Because each ultrasonic bath operates at a different energy level, 10 minutes is a guideline only. Longer sonication time will not affect product quality.

These precautions apply to working solutions prepared in your laboratory as well. The amount of compound that precipitates depends on concentration AND temperature. If you store your standards at a temperature lower than 4°C (even dilute solutions), allow extra sonication time.

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

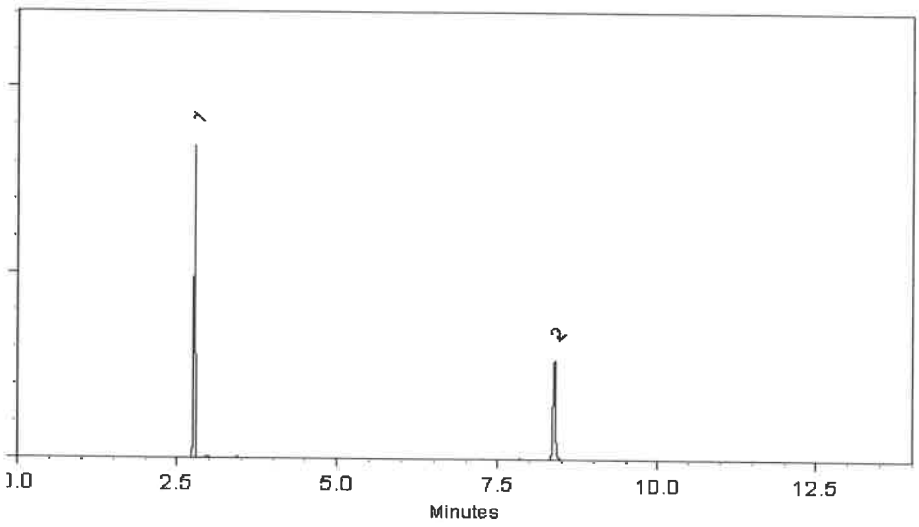
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 29-Jul-2024 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 01-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0210240

Description : Toxaphene Standard

Toxaphene Standard 1000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Toxaphene	8001-35-2	1051817	----%	1,009.3 µg/mL	+/- 56.0105

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P13861
P13862 (2)

12/9/2024

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

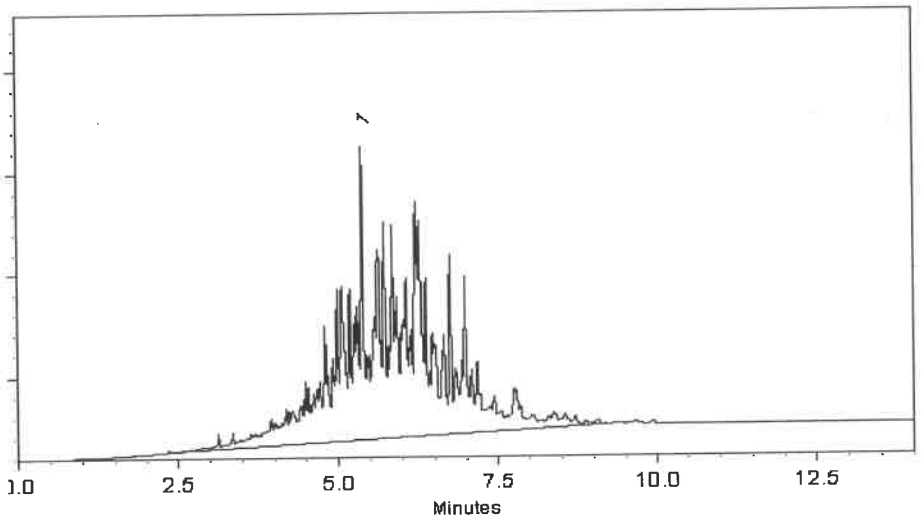
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
300 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Amanda Miller - Operations Tech III - ARM QC

Date Mixed: 11-Apr-2024 **Balance Serial #** B442140311

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 26-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

P13861 } (2
P13862 }

12/9/2024

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 72072
Lot Number: 112018
Description: n-Tetracosane-d50

Expiration Date: 112028
Recommended Storage: Ambient (20 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 2684186
Weight(s) shown below were combined and diluted to (mL): 200.0

Solvent(s): **Lot#**
Methylene chloride 102669

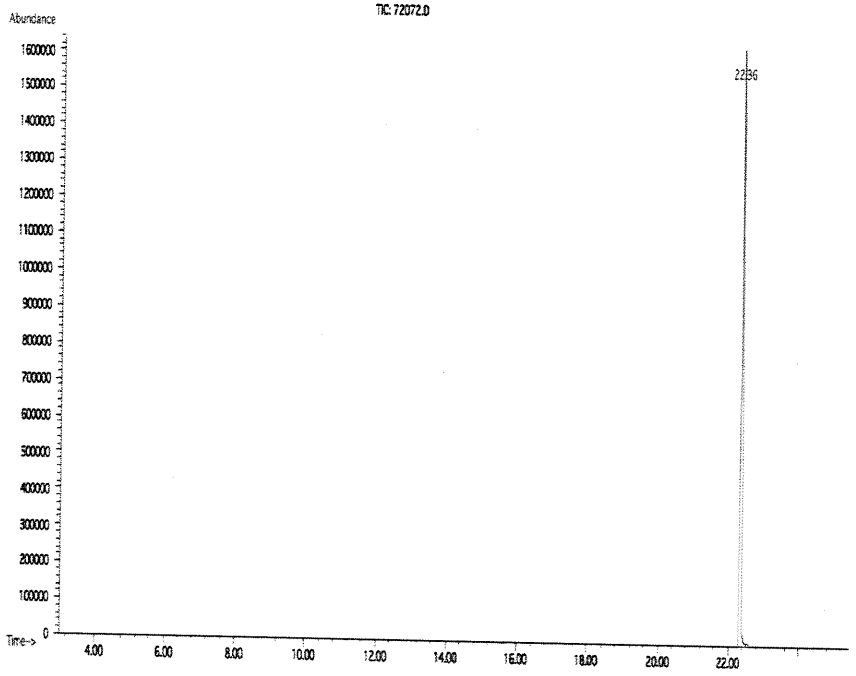
Received by SG on 11/1/19
P9044 - P9053

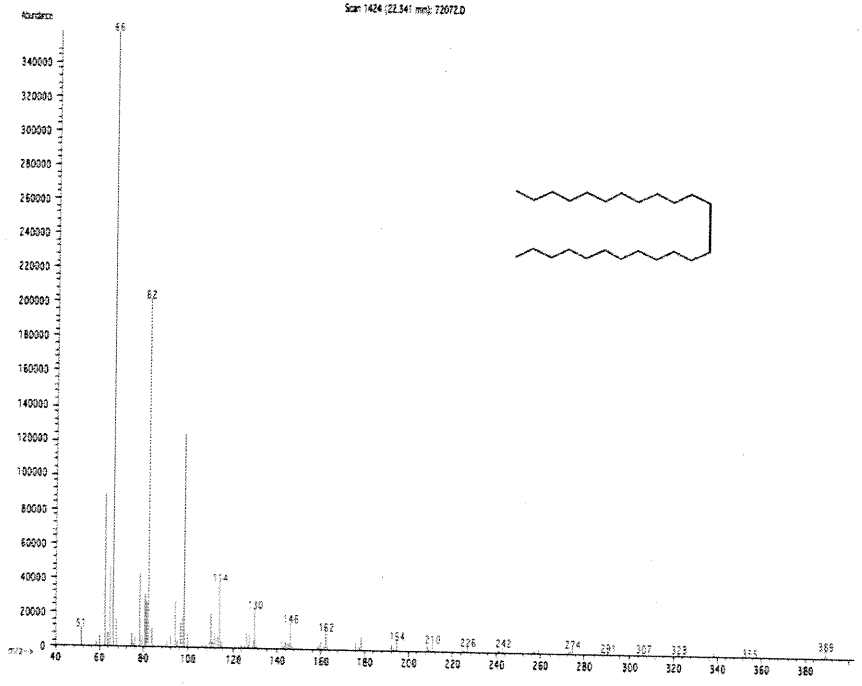
5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By:	Prashant Chauhan	112018 DATE
Reviewed By:	Pedro Rentas	112018 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. n-Tetracosane-d50	2072	PR-17753/09216TC1	1000	98	0.2	0.20411	0.20415	1000.2	4.2	16416-32-3	N/A	N/A

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Candice Warren.





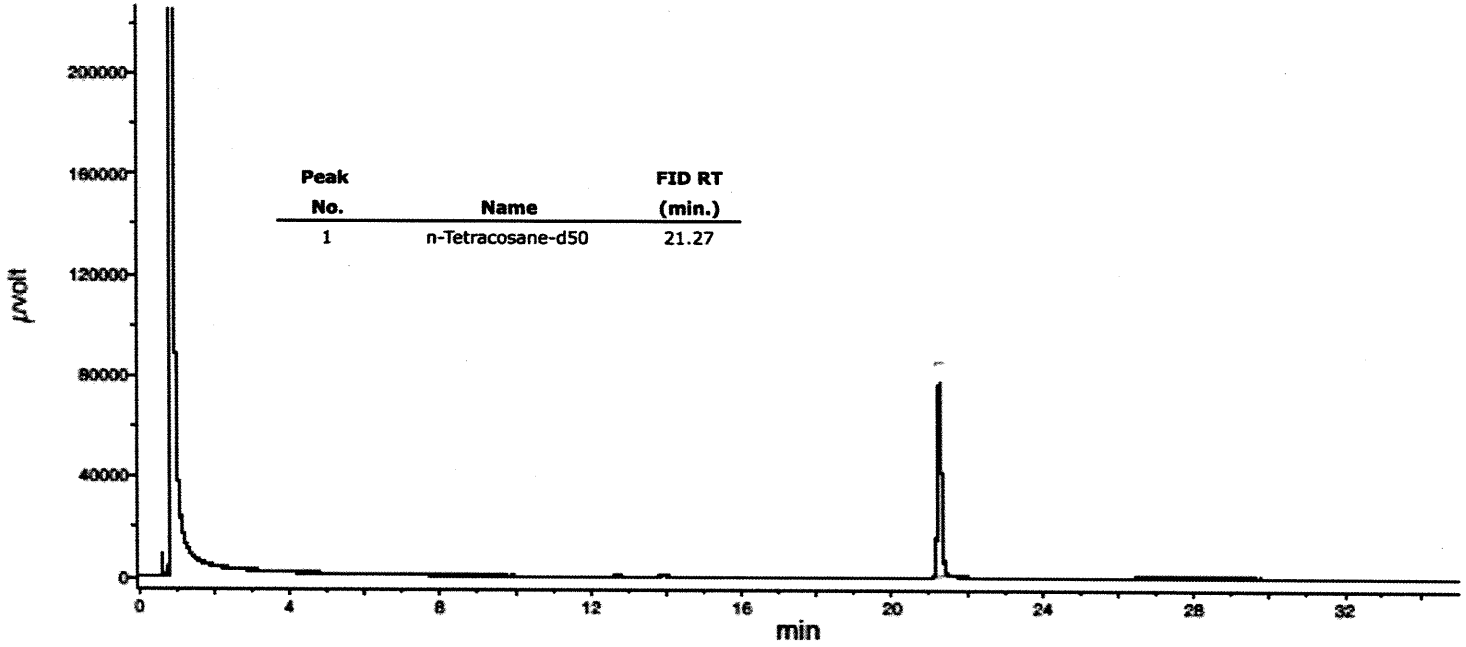
- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Run 40, "P72072 L112018 [1000µg/mL in MeCl2]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Thu, Nov 22, 2018 at 7:23:18 AM.
Sampled: Sequence "112018-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 3



Peak No.	Name	FID RT (min.)
1	n-Tetracosane-d50	21.27

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

W3147

W3147 update. 02/03/2025 JP

Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q19560
COC Number 2046701

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Avenue #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT PROJECT INFORMATION

PROJECT NAME: Bergen Point Project
PROJECT NO.: 99939 LOCATION: W. Babylon, NY
PROJECT MANAGER: Marcie Encinas
e-mail: ENcinasMA@CDMSmith.com
PHONE: 732-590-4679 FAX: 732-225-7851

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Avenue, #8 Floor 6th
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: Marcie Encinas PHONE: 732-590-4690

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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 + Raw Data) ☒ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT _____

ANALYSIS

1: TCL VOC
2: TCL SVOC
3: TAL METALS
4: PCBs
5: PESTICIDES
6: HERBICIDES
7: PRO/GRO
8: FULL TCLP
9: RCRA CHARAC

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	SB1 - 3-4'	Soil		X	5/1/25	9:00am	13	X	X	X	X	X	X	X			E
2.	SB2-4-5'	Soil		X	5/2/25	12:00pm	13	X	X	X	X	X	X	X			E
3.	COMP1	Soil	X		5/2/25	1:30pm	3								X	X	E
4.	SB91 - 3-4'	Soil		X	5/1/25	9:20am	13	X	X	X	X	X	X	X	X		E
5.	SB2 - MS	Soil		X	5/2/25	12:30pm	13	X	X	X	X	X	X	X			E
6.	SB2 - MSD	Soil		X	5/2/25	12:40pm	13	X	X	X	X	X	X	X			E
7.	FB-05022025	Aqueous		X	5/2/25	11:00am	9	X	X	X	X	X	X	X			E, A, B
8.																	
9.																	
10.																	

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	5.2.2025 1404	1.
2.		2.
3.	5.2.2025 1826	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 2.3 °C
Comments: IR Gun #1 (Adjusted Factor + 1)

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other _____

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ AM 18:26
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-01	SB1-3-4	Solid	05/01/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-02	SB2-4-5	Solid	05/02/2025	12:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-03	Q1956-02MS	Solid	05/02/2025	12:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-04	Q1956-02MSD	Solid	05/02/2025	12:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-06	~~SB19~~-3-4 SB91	Solid	05/01/2025	09:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1956-07	FB-05022025	Water	05/02/2025	11:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1956 CAMP02
Client Name : CDM Smith
Client Contact : Marcie Ann Encinas
Invoice Name : CDM Smith
Invoice Contact : Marcie Ann Encinas

Order Date : 5/2/2025 3:14:35 PM
Project Name : Bergen Point Fueling Syste
Receive DateTime : 5/2/2025 ~~12:00:00~~ 15:26 AM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1956-09 TB		water	5/2/25	12:00	VOC-TCLVOA-10		8260-LOW		10 Bus Days.

Relinguished By : [signature]
Date / Time : 5/5/25 0835

Received By : [signature]
Date / Time : 5/5/25 08:35
Storage Area : VOA Refridgerator Room

Rep # 6
FZ-2