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

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LAB CHRONICLE

OrderID:	P4663	**OrderDate:**	10/31/2024 3:05:00 PM
Client:	Union Paving & Construction Company	**Project:**	Rt. 10 Whippany
Contact:	Gregory Butler	**Location:**	K41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4663-02	**TENNANT-PAD-2-3-STOCKPILE**	**SOIL**			**10/31/24**			**10/31/24**
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-04	**RES-BUILDING-PAD-NO-11**	**SOIL**			**10/31/24**			**10/31/24**
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-06	**RES-BUILDING-PAD-NO-3**	**SOIL**			**10/31/24**			**10/31/24**
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	
P4663-08	**RES-BUILDING-PAD-NO-2**	**SOIL**			**10/31/24**			**10/31/24**
			Herbicide	8151A		11/04/24	11/05/24	
			PCB	8082A		11/01/24	11/01/24	
			Pesticide-TCL	8081B		11/01/24	11/01/24	
			TPH GC	8015D		11/01/24	11/01/24	
			EPH_NF	NJEPH		11/01/24	11/02/24	

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Hit Summary Sheet
SW-846

SDG No.: P4663 **Order ID:** P4663

Client: Union Paving & Construction Company **Project ID:** Rt. 10 Whippany

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**TENNANT-PAD-2-3-STOCKPIL**							
P4663-02	TENNANT-PAD-2-3-	SOIL	4,4-DDT	0.21	J	0.19	1.90	ug/kg
P4663-02	TENNANT-PAD-2-3-	SOIL	alpha-Chlordane	0.48	JP	0.19	1.90	ug/kg
			Total Concentration:	**0.690**				
Client ID :	**RES-BUILDING-PAD-NO-11**							
P4663-04	RES-BUILDING-PAD	SOIL	4,4-DDE	0.22	J	0.14	1.80	ug/kg
			Total Concentration:	**0.220**				

QC SUMMARY

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Surrogate Summary

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092652.D	PIBLK-PL092652.D	Decachlorobiphenyl	1	20	22.7	114		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	21.6	108		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.7	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	20.4	102		30 (77)	150 (126)
I.BLK-PL092799.D	PIBLK-PL092799.D	Decachlorobiphenyl	1	20	21.1	105		30 (43)	150 (140)
		Tetrachloro-m-xylene	1	20	20.6	103		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	21.8	109		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.7	98		30 (77)	150 (126)
PB164592BL	PB164592BL	Decachlorobiphenyl	1	20	21.2	106		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	20.0	100		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	22.0	110		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	19.1	95		30 (10)	150 (159)
PB164592BS	PB164592BS	Decachlorobiphenyl	1	20	20.8	104		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	19.5	98		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	21.2	106		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	18.3	91		30 (10)	150 (159)
P4663-02	TENNANT-PAD-2-3-STOCKPILE	Decachlorobiphenyl	1	20	13.9	69		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	14.8	74		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.7	58		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.5	72		30 (10)	150 (159)
P4663-04	RES-BUILDING-PAD-NO-11	Decachlorobiphenyl	1	20	12.8	64		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	14.3	71		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.7	58		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.2	66		30 (10)	150 (159)
P4663-06	RES-BUILDING-PAD-NO-3	Decachlorobiphenyl	1	20	14.8	74		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	14.9	74		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.8	59		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	14.6	73		30 (10)	150 (159)
P4663-08	RES-BUILDING-PAD-NO-2	Decachlorobiphenyl	1	20	16.0	80		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	18.0	90		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	14.4	72		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	17.2	86		30 (10)	150 (159)
P4663-08MS	RES-BUILDING-PAD-NO-2MS	Decachlorobiphenyl	1	20	14.1	71		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.2	86		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	11.9	59		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.4	67		30 (10)	150 (159)
P4663-08MSD	RES-BUILDING-PAD-NO-2MSD	Decachlorobiphenyl	1	20	13.5	67		30 (10)	150 (148)
		Tetrachloro-m-xylene	1	20	17.4	87		30 (10)	150 (159)
		Decachlorobiphenyl	2	20	12.1	60		30 (10)	150 (148)
		Tetrachloro-m-xylene	2	20	13.4	67		30 (10)	150 (159)
I.BLK-PL092812.D	PIBLK-PL092812.D	Decachlorobiphenyl	1	20	20.9	105		30 (43)	150 (140)

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Surrogate Summary

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8081B

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL092812.D	PIBLK-PL092812.D	Tetrachloro-m-xylene	1	20	20.4	102		30 (77)	150 (126)
		Decachlorobiphenyl	2	20	19.7	98		30 (43)	150 (140)
		Tetrachloro-m-xylene	2	20	19.9	99		30 (77)	150 (126)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8081B **DataFile :** PL092810.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Client Sample ID:	**RES-BUILDING-PAD-NO-2MS**											
P4663-08MS	alpha-BHC	18.24	0	15.5	ug/kg	85				30 (60)	150 (144)	
	beta-BHC	18.24	0	17.7	ug/kg	97				30 (54)	150 (143)	
	delta-BHC	18.24	0	4.60	ug/kg	25	*			30 (47)	150 (144)	
	gamma-BHC (Lindane)	18.24	0	15.7	ug/kg	86				30 (61)	150 (140)	
	Heptachlor	18.24	0	17.9	ug/kg	98				30 (63)	150 (135)	
	Aldrin	18.24	0	17.2	ug/kg	94				30 (49)	150 (139)	
	Heptachlor epoxide	18.24	0	17.0	ug/kg	93				30 (32)	150 (180)	
	Endosulfan I	18.24	0	17.5	ug/kg	96				30 (56)	150 (142)	
	Dieldrin	18.24	0	17.5	ug/kg	96				30 (47)	150 (161)	
	4,4'-DDE	18.24	0	18.1	ug/kg	99				30 (55)	150 (136)	
	Endrin	18.24	0	17.8	ug/kg	98				30 (57)	150 (139)	
	Endosulfan II	18.24	0	16.8	ug/kg	92				30 (40)	150 (163)	
	4,4'-DDD	18.24	0	16.4	ug/kg	90				30 (37)	150 (192)	
	Endosulfan sulfate	18.24	0	13.4	ug/kg	73				30 (62)	150 (139)	
	4,4'-DDT	18.24	0	16.7	ug/kg	92				30 (51)	150 (146)	
	Methoxychlor	18.24	0	16.6	ug/kg	91				30 (54)	150 (136)	
	Endrin ketone	18.24	0	15.8	ug/kg	87				30 (60)	150 (129)	
	Endrin aldehyde	18.24	0	15.9	ug/kg	87				30 (59)	150 (132)	
	alpha-Chlordane	18.24	0	17.6	ug/kg	96				30 (30)	150 (192)	
	gamma-Chlordane	18.24	0	17.8	ug/kg	98				30 (44)	150 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8081B **DataFile :** PL092811.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**RES-BUILDING-PAD-NO-2MSD**											
P4663-08MSD	alpha-BHC	18.23	0	15.5	ug/kg	85		0		30 (60)	150 (144)	30 (20)
	beta-BHC	18.23	0	17.8	ug/kg	98		1		30 (54)	150 (143)	30 (20)
	delta-BHC	18.23	0	4.60	ug/kg	25	*	0		30 (47)	150 (144)	30 (20)
	gamma-BHC (Lindane)	18.23	0	15.8	ug/kg	87		1		30 (61)	150 (140)	30 (20)
	Heptachlor	18.23	0	17.9	ug/kg	98		0		30 (63)	150 (135)	30 (20)
	Aldrin	18.23	0	17.0	ug/kg	93		1		30 (49)	150 (139)	30 (20)
	Heptachlor epoxide	18.23	0	17.4	ug/kg	95		2		30 (32)	150 (180)	30 (20)
	Endosulfan I	18.23	0	17.5	ug/kg	96		0		30 (56)	150 (142)	30 (20)
	Dieldrin	18.23	0	17.5	ug/kg	96		0		30 (47)	150 (161)	30 (20)
	4,4'-DDE	18.23	0	18.0	ug/kg	99		0		30 (55)	150 (136)	30 (20)
	Endrin	18.23	0	18.3	ug/kg	100		2		30 (57)	150 (139)	30 (20)
	Endosulfan II	18.23	0	17.3	ug/kg	95		3		30 (40)	150 (163)	30 (20)
	4,4'-DDD	18.23	0	17.4	ug/kg	95		5		30 (37)	150 (192)	30 (20)
	Endosulfan sulfate	18.23	0	13.7	ug/kg	75		3		30 (62)	150 (139)	30 (20)
	4,4'-DDT	18.23	0	16.8	ug/kg	92		0		30 (51)	150 (146)	30 (20)
	Methoxychlor	18.23	0	17.2	ug/kg	94		3		30 (54)	150 (136)	30 (20)
	Endrin ketone	18.23	0	15.9	ug/kg	87		0		30 (60)	150 (129)	30 (20)
	Endrin aldehyde	18.23	0	15.9	ug/kg	87		0		30 (59)	150 (132)	30 (20)
	alpha-Chlordane	18.23	0	17.7	ug/kg	97		1		30 (30)	150 (192)	30 (20)
	gamma-Chlordane	18.23	0	17.9	ug/kg	98		0		30 (44)	150 (175)	30 (20)

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4663

Client: Union Paving & Construction Company

Analytical Method: 8081B **Datafile :** PL092802.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB164592BS	alpha-BHC	16.65	17.7	ug/kg	106				40 (84)	140 (123)	
	beta-BHC	16.65	18.0	ug/kg	108				40 (82)	140 (123)	
	delta-BHC	16.65	15.6	ug/kg	94				40 (83)	140 (126)	
	gamma-BHC (Lindane)	16.65	17.6	ug/kg	106				40 (83)	140 (125)	
	Heptachlor	16.65	18.7	ug/kg	112				40 (83)	140 (122)	
	Aldrin	16.65	17.8	ug/kg	107				40 (82)	140 (124)	
	Heptachlor epoxide	16.65	18.4	ug/kg	111				40 (83)	140 (120)	
	Endosulfan I	16.65	18.7	ug/kg	112				40 (81)	140 (124)	
	Dieldrin	16.65	18.9	ug/kg	114				40 (85)	140 (121)	
	4,4'-DDE	16.65	18.8	ug/kg	113				40 (81)	140 (123)	
	Endrin	16.65	19.8	ug/kg	119				40 (76)	140 (130)	
	Endosulfan II	16.65	19.2	ug/kg	115				40 (80)	140 (125)	
	4,4'-DDD	16.65	19.0	ug/kg	114				40 (80)	140 (131)	
	Endosulfan sulfate	16.65	18.6	ug/kg	112				40 (81)	140 (122)	
	4,4'-DDT	16.65	19.3	ug/kg	116				40 (70)	140 (129)	
	Methoxychlor	16.65	18.7	ug/kg	112				40 (60)	140 (119)	
	Endrin ketone	16.65	18.7	ug/kg	112				40 (77)	140 (132)	
	Endrin aldehyde	16.65	18.1	ug/kg	109				40 (79)	140 (124)	
	alpha-Chlordane	16.65	18.7	ug/kg	112				40 (84)	140 (120)	
	gamma-Chlordane	16.65	18.9	ug/kg	114				40 (83)	140 (122)	

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4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164592BL

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG NO.: P4663

Lab Sample ID: PB164592BL Lab File ID: PL092801.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 11/01/2024

Date Analyzed (1): 11/01/2024 Date Analyzed (2): 11/01/2024

Time Analyzed (1): 14:47 Time Analyzed (2): 14:47

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

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

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB164592BS	PB164592BS	PL092802.D	11/01/2024	11/01/2024
TENNANT-PAD-2-3-STOCKPILE	P4663-02	PL092806.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-11	P4663-04	PL092807.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-3	P4663-06	PL092808.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-2	P4663-08	PL092809.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-2MS	P4663-08MS	PL092810.D	11/01/2024	11/01/2024
RES-BUILDING-PAD-NO-2MSD	P4663-08MSD	PL092811.D	11/01/2024	11/01/2024

COMMENTS:

SAMPLE DATA

Raw Data: **PL092806.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILE	SDG No.:	P4663
Lab Sample ID:	P4663-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.9 Decanted:
Sample Wt/Vol:	30.02 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
PL092806.D	1	11/01/24 09:12	11/01/24 15:56	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.52	U	0.52	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.18	U	0.18	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.21	J	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.48	JP	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.3	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.9		30 (10) - 150 (148)	69%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.8		30 (10) - 150 (159)	74%	SPK: 20

Raw Data: **PL092806.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	TENNANT-PAD-2-3-STOCKPILE	SDG No.:	P4663
Lab Sample ID:	P4663-02	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	90.9 Decanted:
Sample Wt/Vol:	30.02 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
PL092806.D	1	11/01/24 09:12	11/01/24 15:56	PB164592

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

Sample Results: **PL092806.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092806.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 15:56
Operator : AR\AJ
Sample : P4663-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:43:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	36385751	39432089	14.850	14.491
28)	SA Decachlor...	9.058	7.918	26668283	31801479	13.857	11.652
	Target Compounds						
11)	B alpha-Chl...	6.024	5.044	3491556	2104645	1.318	0.633m#
17)	MA 4,4'-DDT	7.024	6.036	985580	1492693	0.476m	0.557m

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

Sample Results: **PL092806.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092806.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 15:56
Operator : AR\AJ
Sample : P4663-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

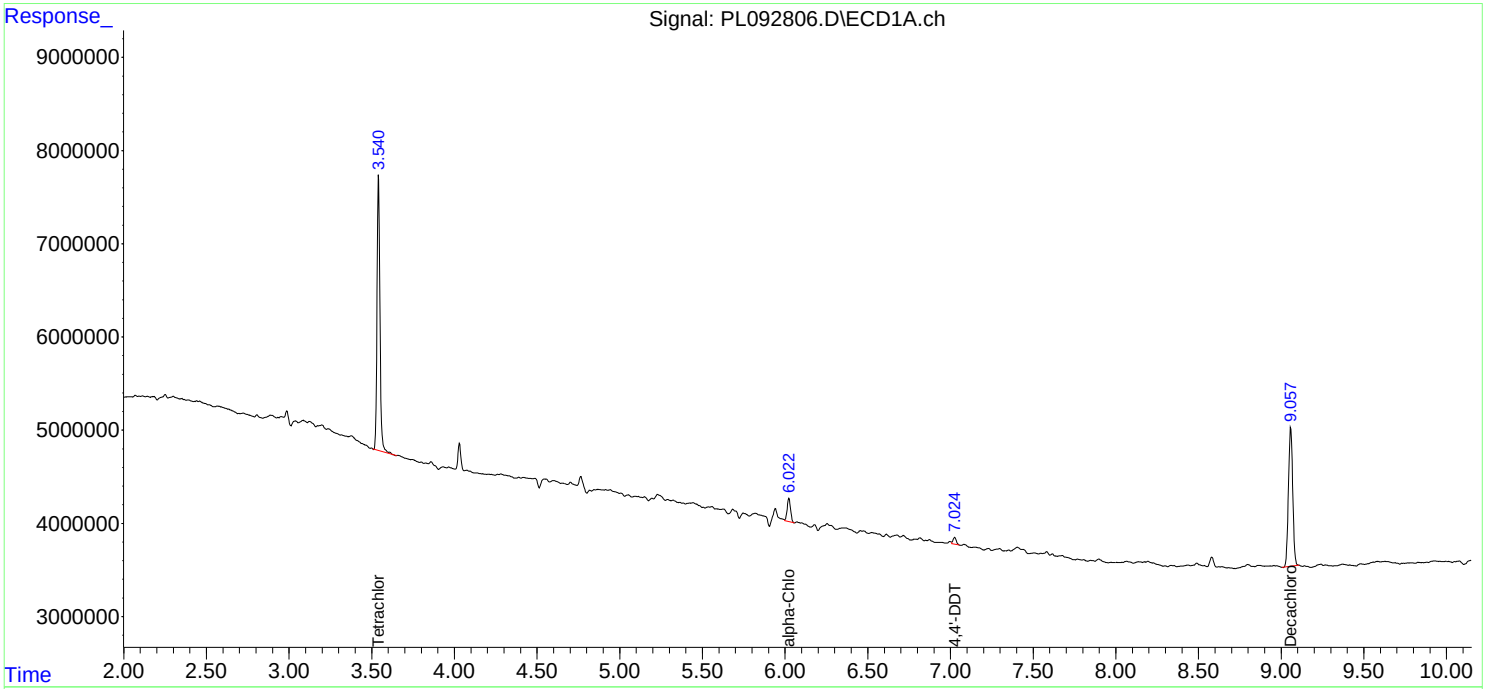
Instrument :
ECD_L
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE

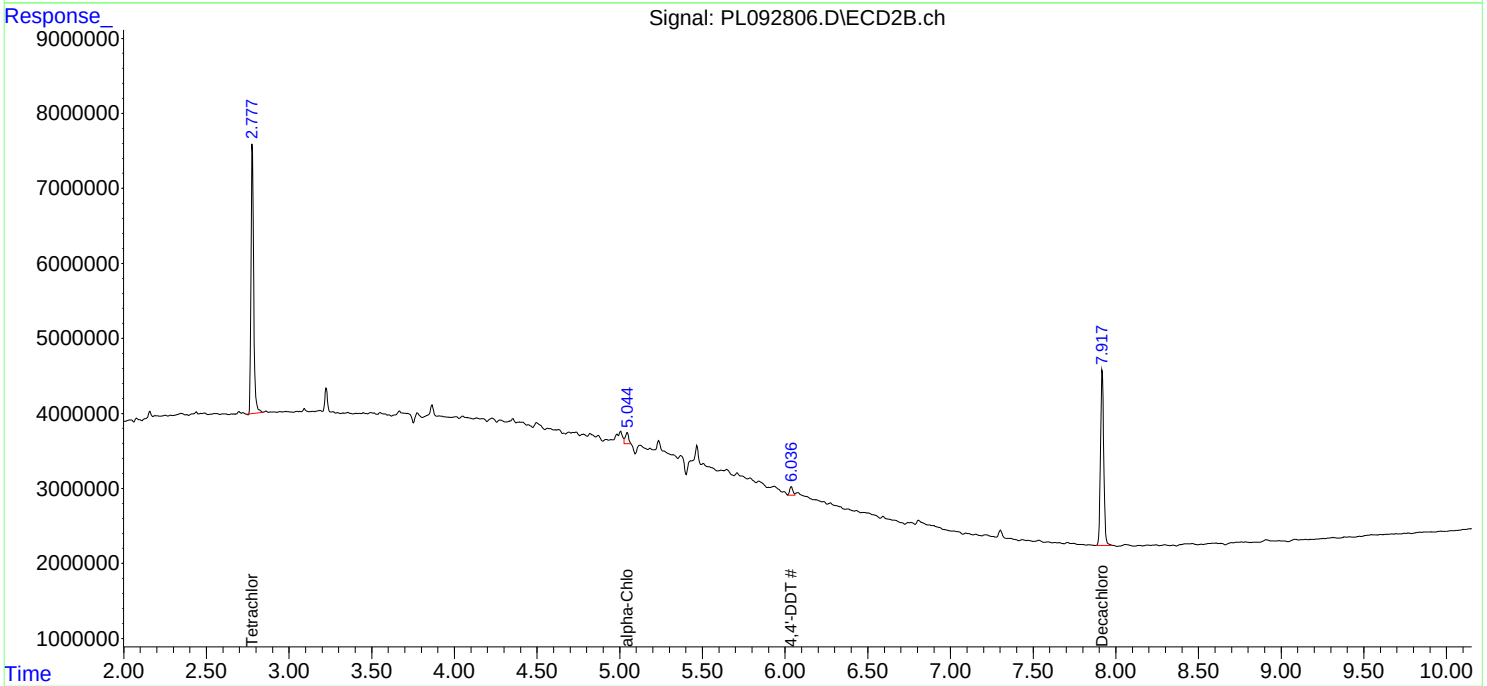
Manual Integrations APPROVED

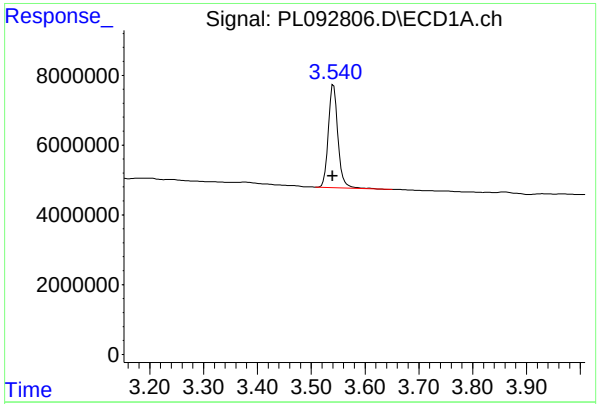
Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:43:38 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







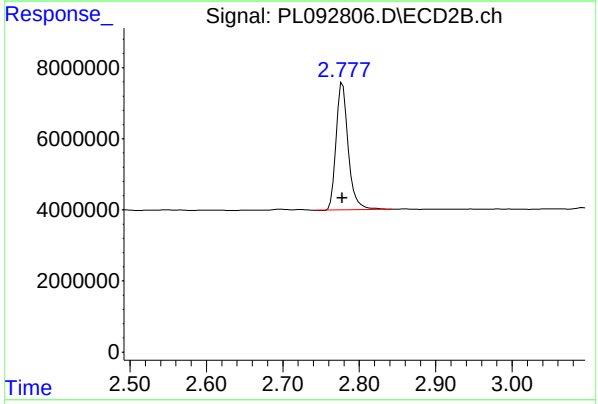
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 36385751
Conc: 14.85 ng/m

Instrument :
ECD_L
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE

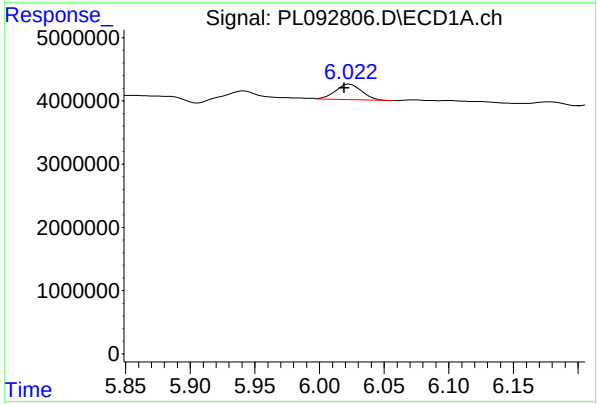
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



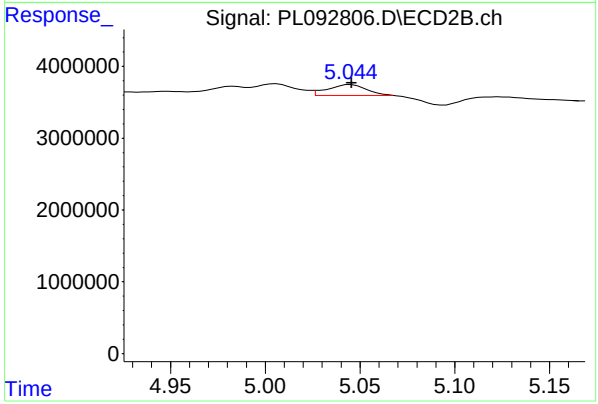
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 39432089
Conc: 14.49 ng/ml



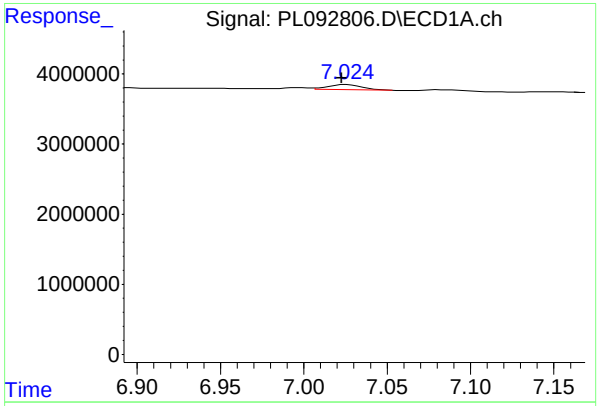
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.004 min
Response: 3491556
Conc: 1.32 ng/ml



#11 alpha-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.002 min
Response: 2104645
Conc: 0.63 ng/ml m



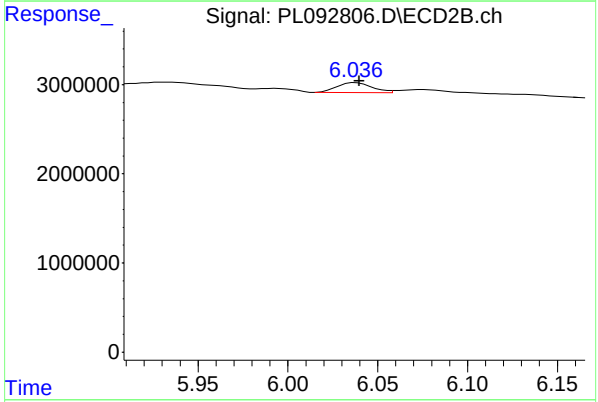
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.002 mi
Response: 985580
Conc: 0.48 ng/m

Instrument :
ECD_L
ClientSampleId :
TENNANT-PAD-2-3-STOCKPILE

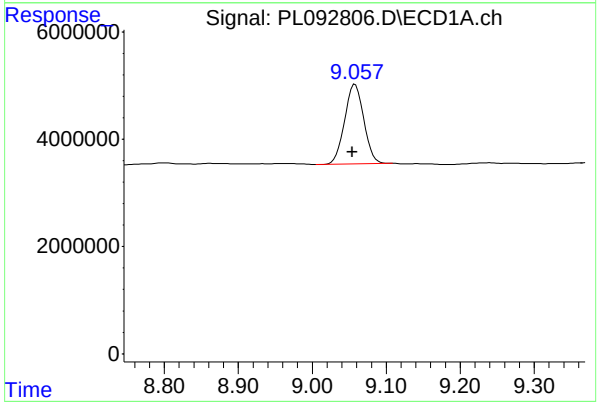
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



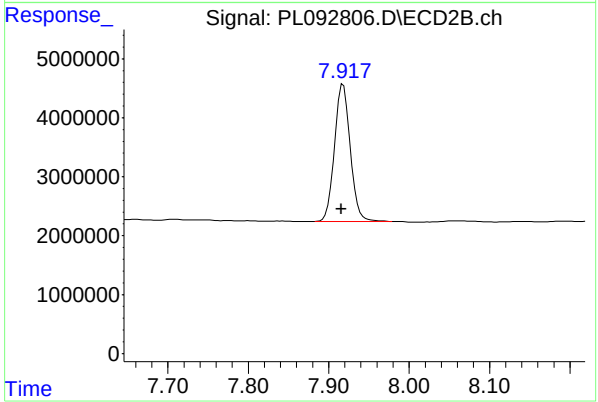
#17 4,4'-DDT

R.T.: 6.036 min
Delta R.T.: -0.004 min
Response: 1492693
Conc: 0.56 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: 0.004 min
Response: 26668283
Conc: 13.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 31801479
Conc: 11.65 ng/ml

Raw Data: **PL092807.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-11	SDG No.:	P4663
Lab Sample ID:	P4663-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.7 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
PL092807.D	1	11/01/24 09:12	11/01/24 16:10	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.80	ug/kg
319-85-7	beta-BHC	0.53	U	0.53	1.80	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.80	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.80	ug/kg
76-44-8	Heptachlor	0.18	U	0.18	1.80	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.80	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.80	ug/kg
959-98-8	Endosulfan I	0.18	U	0.18	1.80	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.80	ug/kg
72-55-9	4,4-DDE	0.22	J	0.14	1.80	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.80	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.80	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.80	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.80	ug/kg
50-29-3	4,4-DDT	0.18	U	0.18	1.80	ug/kg
72-43-5	Methoxychlor	0.41	U	0.41	1.80	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.80	ug/kg
7421-93-4	Endrin aldehyde	0.42	U	0.42	1.80	ug/kg
5103-71-9	alpha-Chlordane	0.18	U	0.18	1.80	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.80	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	35.9	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	12.8		30 (10) - 150 (148)	64%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.3		30 (10) - 150 (159)	71%	SPK: 20

Raw Data: **PL092807.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-11	SDG No.:	P4663
Lab Sample ID:	P4663-04	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.7 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
PL092807.D	1	11/01/24 09:12	11/01/24 16:10	PB164592

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

Sample Results: **PL092807.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092807.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:10
Operator : AR\AJ
Sample : P4663-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-11

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.541	2.778	35005478	35930823	14.287	13.204
28)	SA Decachlor...	9.056	7.918	24606013	31940307	12.785m	11.703
	Target Compounds						
12)	B 4,4'-DDE	6.191	5.233	1443343	1644831	0.609m	0.511m

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

Sample Results: **PL092807.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092807.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:10
Operator : AR\AJ
Sample : P4663-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

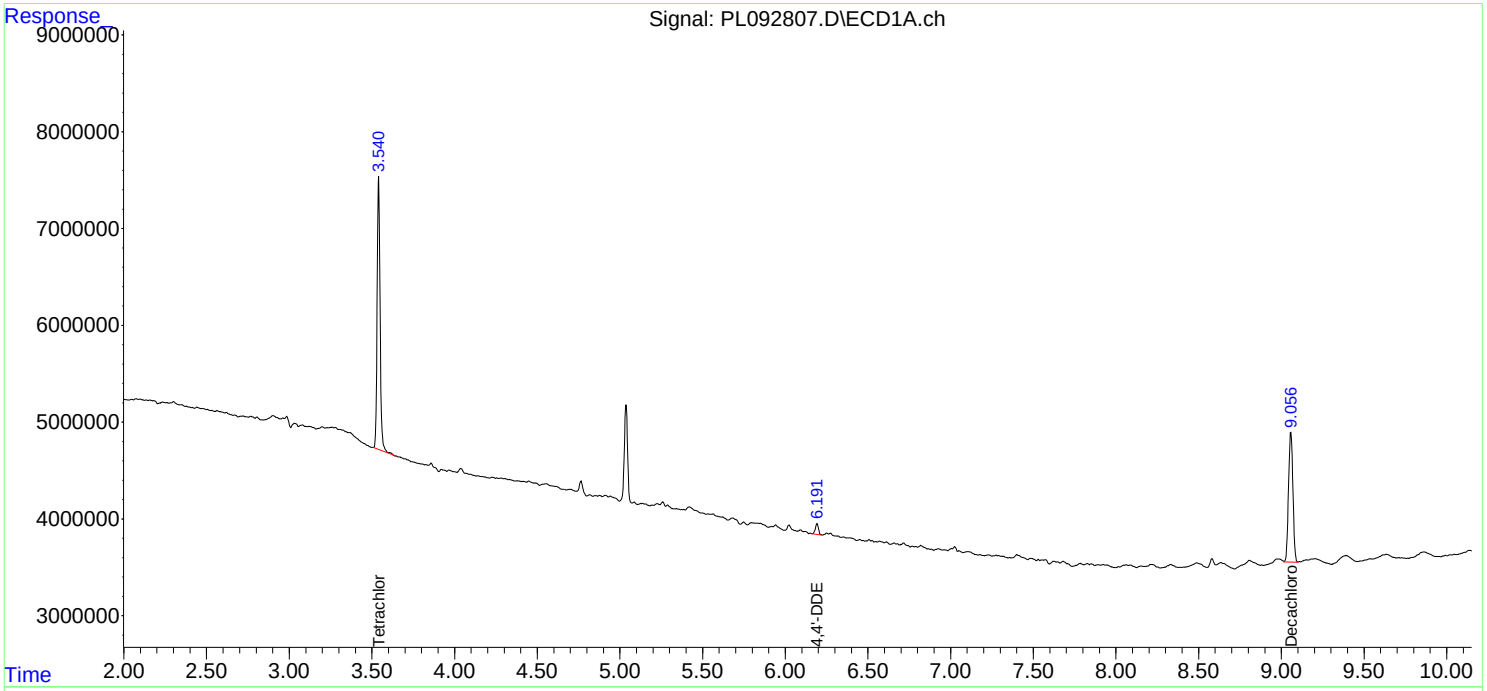
Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-11

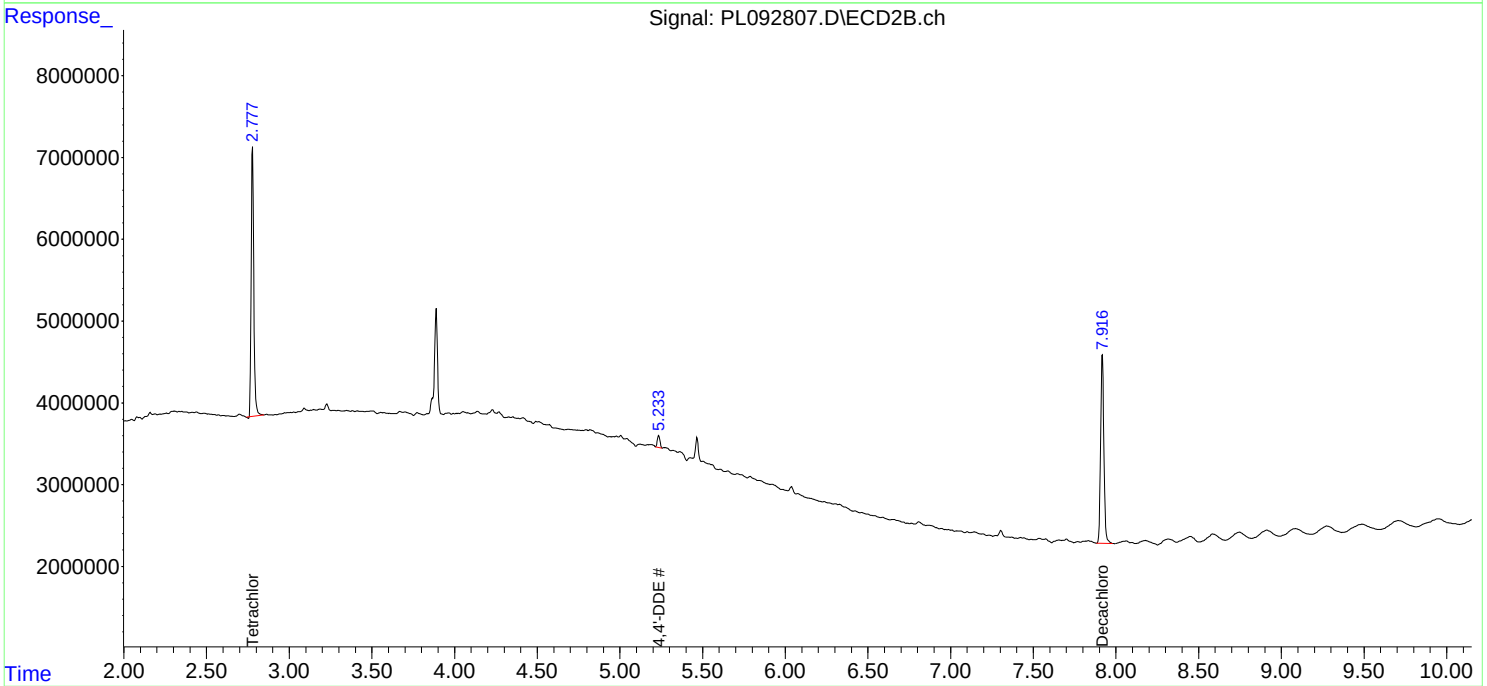
Manual Integrations APPROVED

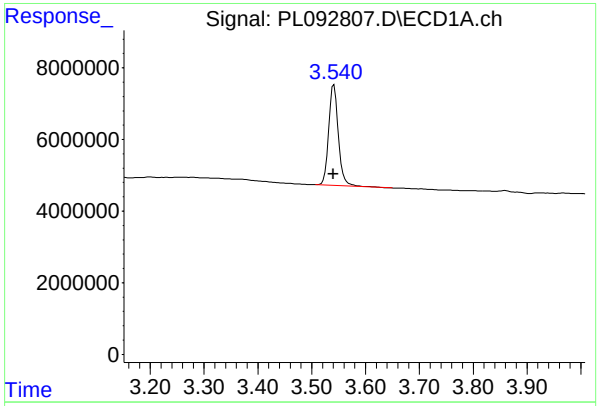
Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:01 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







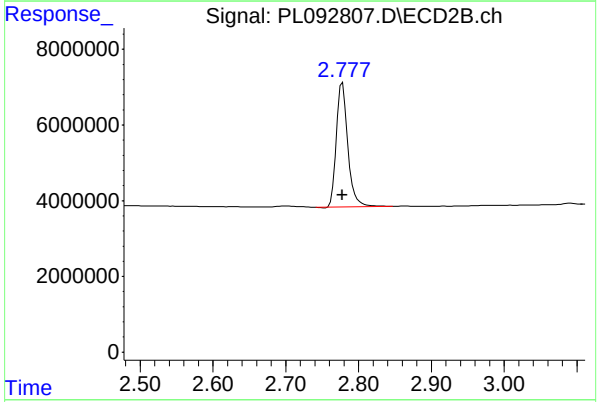
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: 0.001 mi
Response: 35005478
Conc: 14.29 ng/m

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-11

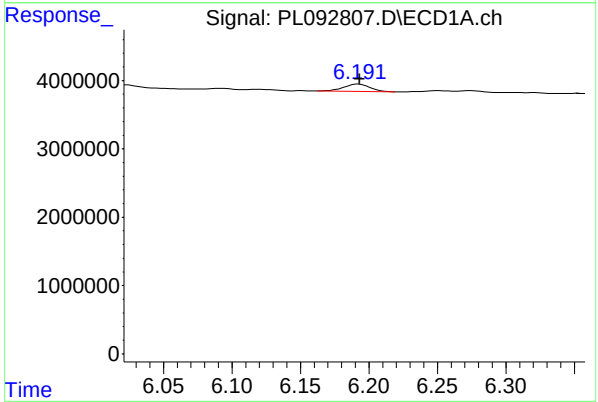
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



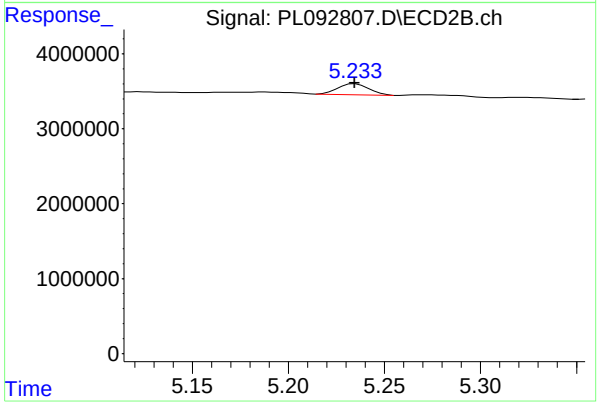
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 35930823
Conc: 13.20 ng/ml



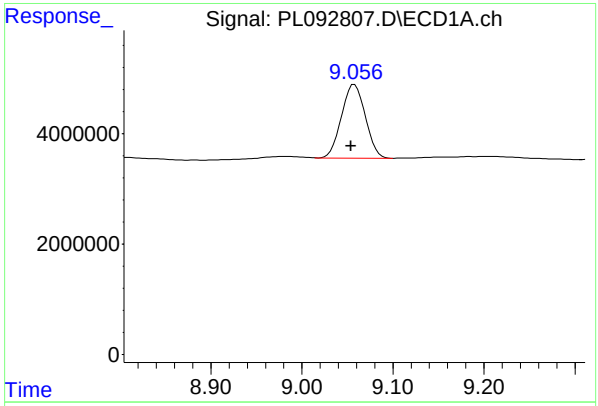
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 1443343
Conc: 0.61 ng/ml m



#12 4,4'-DDE

R.T.: 5.233 min
Delta R.T.: -0.001 min
Response: 1644831
Conc: 0.51 ng/ml m



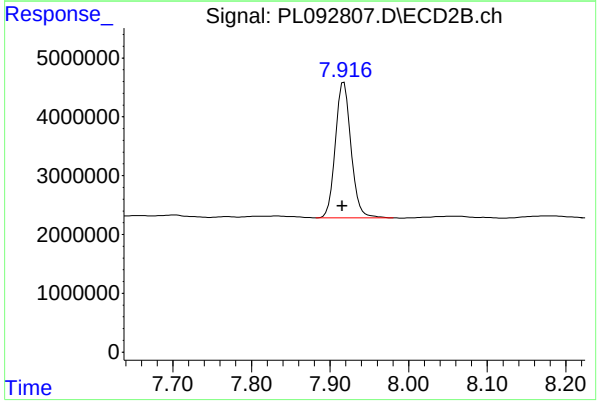
#28 Decachlorobiphenyl

R.T.: 9.056 min
Delta R.T.: 0.002 min
Response: 24606013
Conc: 12.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-11

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 31940307
Conc: 11.70 ng/ml

Raw Data: **PL092808.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-3	SDG No.:	P4663
Lab Sample ID:	P4663-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.2 Decanted:
Sample Wt/Vol:	30.1 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
PL092808.D	1	11/01/24 09:12	11/01/24 16:24	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.19	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.8		30 (10) - 150 (148)	74%	SPK: 20
877-09-8	Tetrachloro-m-xylene	14.9		30 (10) - 150 (159)	74%	SPK: 20

Raw Data: **PL092808.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-3	SDG No.:	P4663
Lab Sample ID:	P4663-06	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.2 Decanted:
Sample Wt/Vol:	30.1 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
PL092808.D	1	11/01/24 09:12	11/01/24 16:24	PB164592

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_L\Data\PL110124\
Data File : PL092808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:24
Operator : AR\AJ
Sample : P4663-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	36490088	39737059	14.892	14.603
28)	SA Decachlor...	9.059	7.918	28504404	32312205	14.811	11.839
	Target Compounds						

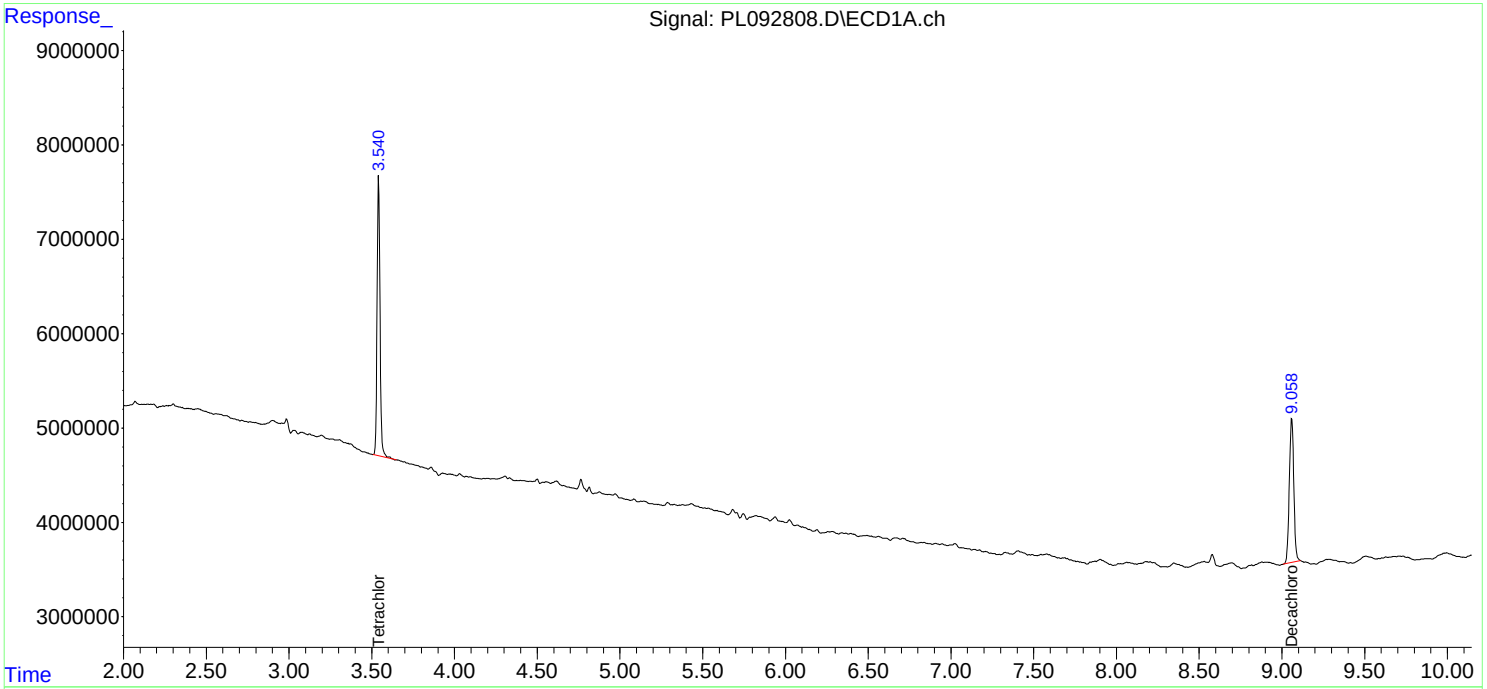
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

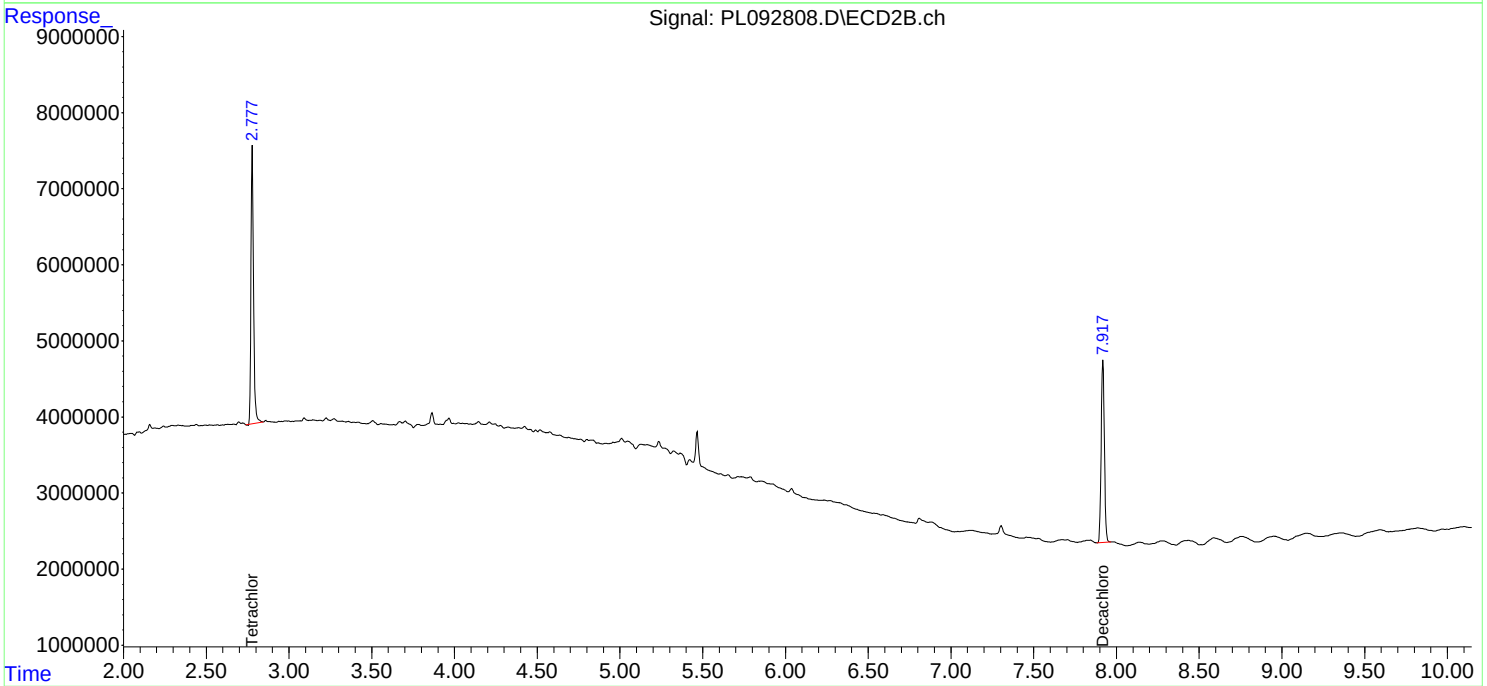
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092808.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:24
Operator : AR\AJ
Sample : P4663-06
Misc :
ALS Vial : 21 Sample Multiplier: 1

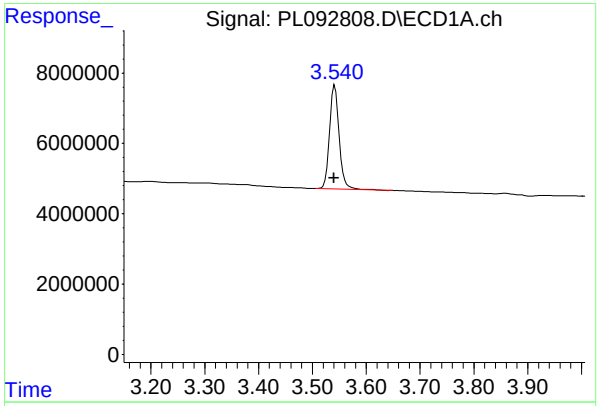
Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-3

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



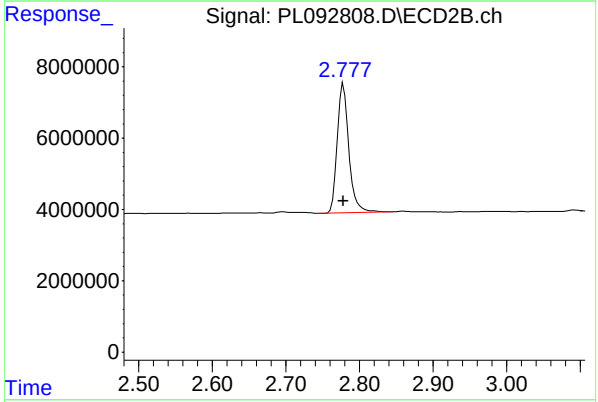




#1 Tetrachloro-m-xylene

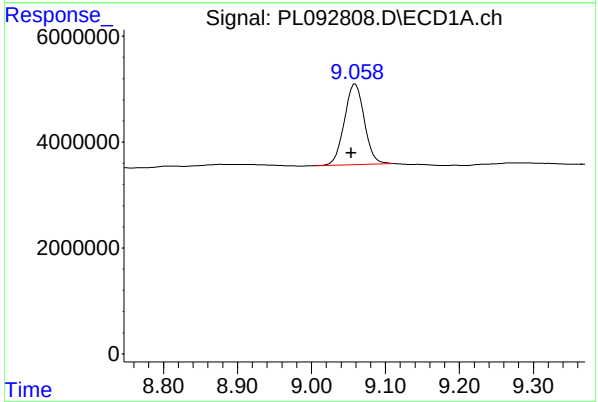
R.T.: 3.542 min
Delta R.T.: 0.002 mi
Response: 36490088
Conc: 14.89 ng/m

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-3



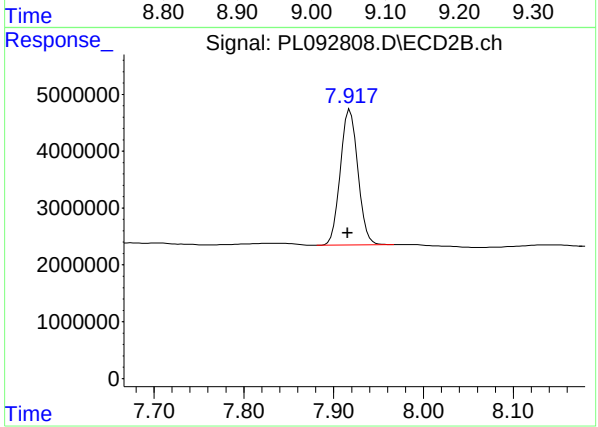
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 39737059
Conc: 14.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 28504404
Conc: 14.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.003 min
Response: 32312205
Conc: 11.84 ng/ml

Raw Data: **PL092809.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2	SDG No.:	P4663
Lab Sample ID:	P4663-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL092809.D	1	11/01/24 09:12	11/01/24 16:38	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.20	U	0.20	1.90	ug/kg
319-85-7	beta-BHC	0.54	U	0.54	1.90	ug/kg
319-86-8	delta-BHC	0.51	U	0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	0.21	U	0.21	1.90	ug/kg
76-44-8	Heptachlor	0.19	U	0.19	1.90	ug/kg
309-00-2	Aldrin	0.15	U	0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	0.25	U	0.25	1.90	ug/kg
959-98-8	Endosulfan I	0.19	U	0.19	1.90	ug/kg
60-57-1	Dieldrin	0.16	U	0.16	1.90	ug/kg
72-55-9	4,4-DDE	0.14	U	0.14	1.90	ug/kg
72-20-8	Endrin	0.17	U	0.17	1.90	ug/kg
33213-65-9	Endosulfan II	0.33	U	0.33	1.90	ug/kg
72-54-8	4,4-DDD	0.21	U	0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	0.14	U	0.14	1.90	ug/kg
50-29-3	4,4-DDT	0.19	U	0.19	1.90	ug/kg
72-43-5	Methoxychlor	0.42	U	0.42	1.90	ug/kg
53494-70-5	Endrin ketone	0.24	U	0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	0.43	U	0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	0.19	U	0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	0.21	U	0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	16.0		30 (10) - 150 (148)	80%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.0		30 (10) - 150 (159)	90%	SPK: 20

Raw Data: **PL092809.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2	SDG No.:	P4663
Lab Sample ID:	P4663-08	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL092809.D	1	11/01/24 09:12	11/01/24 16:38	PB164592

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: **PL092809.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:38
Operator : AR\AJ
Sample : P4663-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.795	44171610	46707131	18.027m	17.164
28)	SA Decachlor...	9.059	7.933	30794001	39266070	16.001	14.387m
	Target Compounds						

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092809.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:38
Operator : AR\AJ
Sample : P4663-08
Misc :
ALS Vial : 22 Sample Multiplier: 1

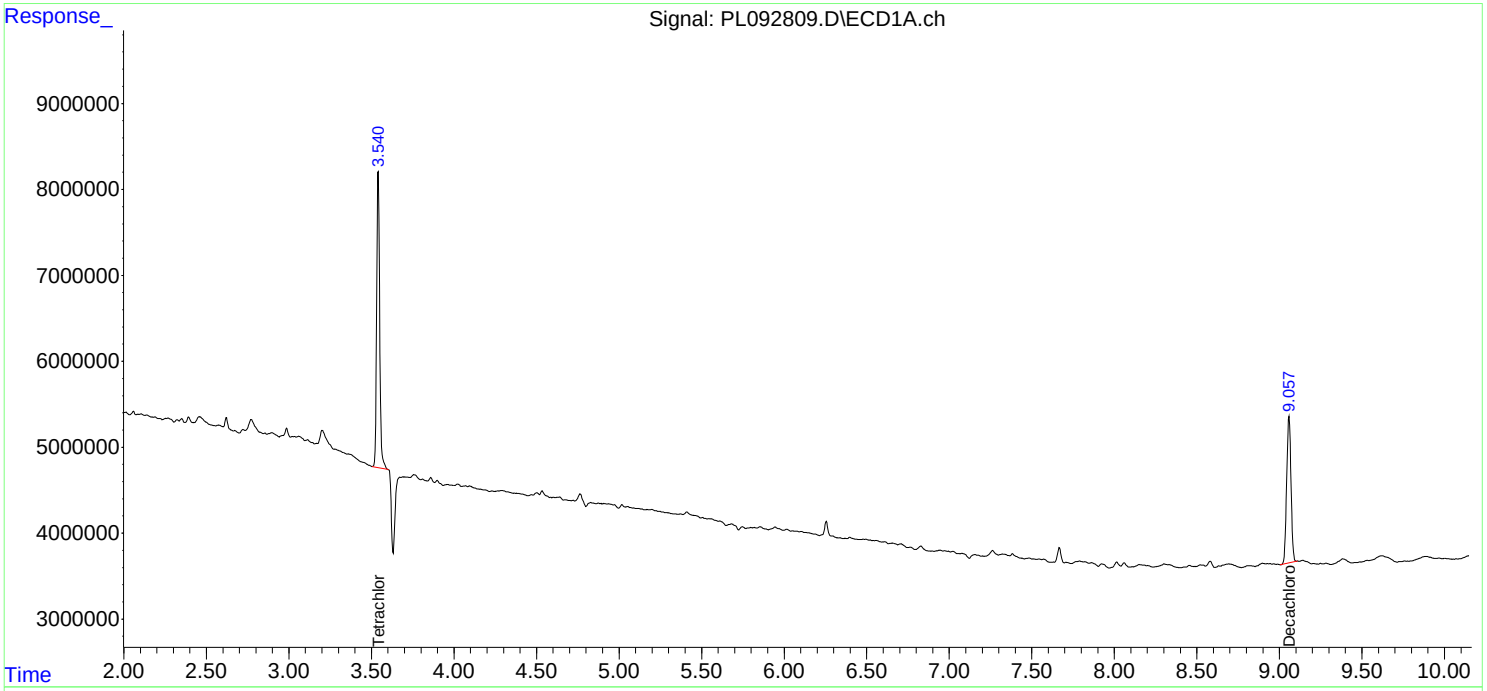
Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2

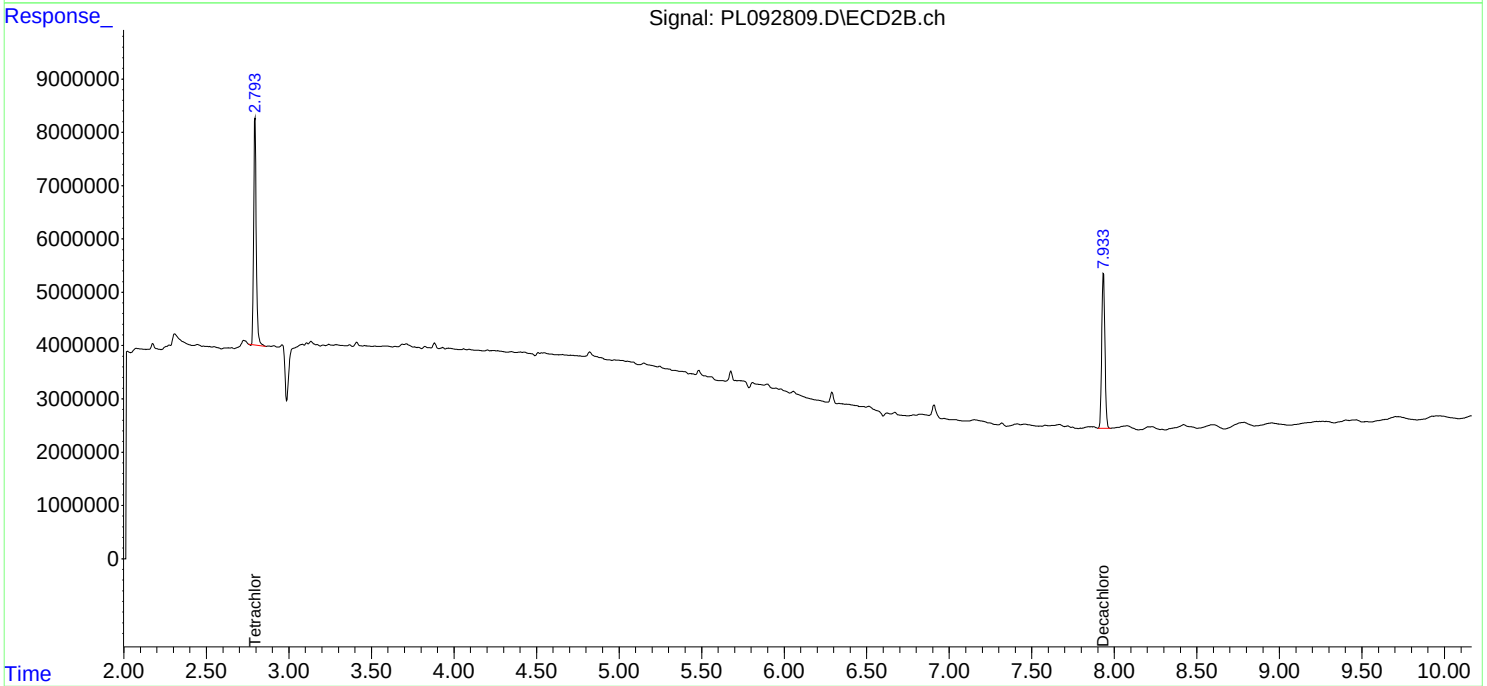
Manual Integrations APPROVED

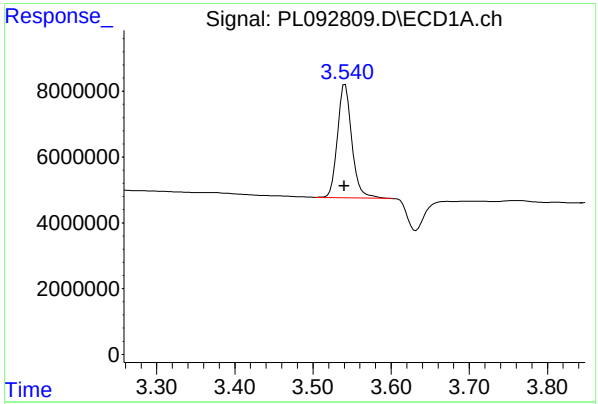
Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:44:43 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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







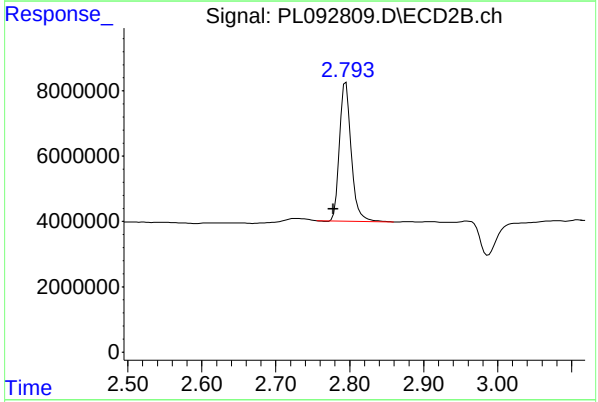
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 mi
Response: 44171610
Conc: 18.03 ng/m

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2

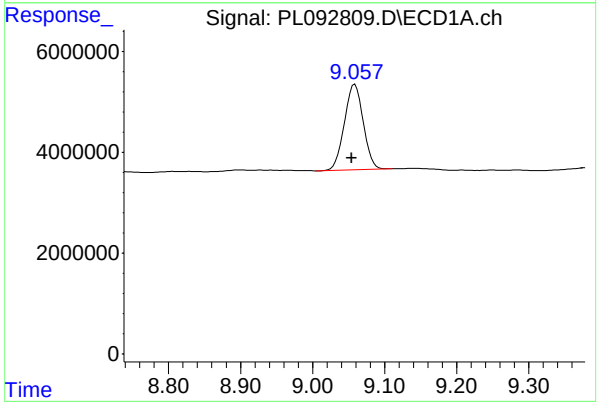
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024



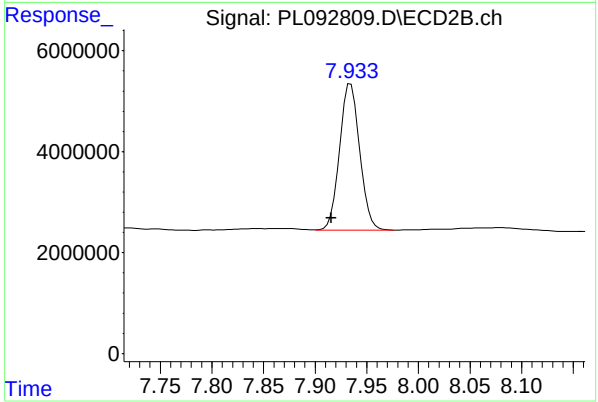
#1 Tetrachloro-m-xylene

R.T.: 2.795 min
Delta R.T.: 0.017 min
Response: 46707131
Conc: 17.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.005 min
Response: 30794001
Conc: 16.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.933 min
Delta R.T.: 0.017 min
Response: 39266070
Conc: 14.39 ng/ml m

CALIBRATION SUMMARY

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.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	6.19	6.19	6.19	6.19	6.19	6.19	6.09	6.29
4,4'-DDT	7.02	7.02	7.02	7.02	7.02	7.02	6.92	7.12
Aldrin	5.26	5.26	5.26	5.26	5.26	5.26	5.16	5.36
alpha-BHC	4.00	4.00	4.00	4.00	4.00	4.00	3.90	4.10
alpha-Chlordane	6.02	6.02	6.02	6.02	6.02	6.02	5.92	6.12
beta-BHC	4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Decachlorobiphenyl	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
delta-BHC	4.77	4.77	4.77	4.77	4.77	4.77	4.67	4.87
Dieldrin	6.35	6.35	6.35	6.35	6.34	6.34	6.24	6.44
Endosulfan I	6.07	6.07	6.07	6.07	6.07	6.07	5.97	6.17
Endosulfan II	6.79	6.79	6.79	6.79	6.79	6.79	6.69	6.89
Endosulfan sulfate	7.16	7.16	7.16	7.16	7.16	7.16	7.06	7.26
Endrin	6.58	6.58	6.57	6.57	6.57	6.57	6.47	6.67
Endrin aldehyde	6.92	6.92	6.92	6.92	6.92	6.92	6.82	7.02
Endrin ketone	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
gamma-BHC (Lindane)	4.33	4.33	4.33	4.33	4.33	4.33	4.23	4.43
gamma-Chlordane	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Heptachlor	4.92	4.92	4.92	4.92	4.92	4.92	4.82	5.02
Heptachlor epoxide	5.69	5.69	5.68	5.69	5.68	5.68	5.58	5.78
Methoxychlor	7.50	7.50	7.50	7.50	7.50	7.50	7.40	7.60
Tetrachloro-m-xylene	3.54	3.54	3.54	3.54	3.54	3.54	3.44	3.64

Raw Data

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

RETENTION TIMES OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: RT 100 = PL092655.D RT 075 = PL092656.D

RT 050 = PL092657.D RT 025 = PL092658.D RT 005 = PL092659.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	5.79	5.79	5.79	5.79	5.79	5.79	5.69	5.89
4,4'-DDE	5.24	5.24	5.24	5.24	5.24	5.24	5.14	5.34
4,4'-DDT	6.04	6.04	6.04	6.04	6.04	6.04	5.94	6.14
Aldrin	4.23	4.23	4.23	4.23	4.23	4.23	4.13	4.33
alpha-BHC	3.28	3.28	3.28	3.28	3.28	3.28	3.18	3.38
alpha-Chlordane	5.05	5.05	5.05	5.05	5.05	5.05	4.95	5.15
beta-BHC	3.91	3.91	3.91	3.91	3.91	3.91	3.81	4.01
Decachlorobiphenyl	7.92	7.92	7.92	7.92	7.92	7.92	7.82	8.02
delta-BHC	4.14	4.14	4.14	4.14	4.14	4.14	4.04	4.24
Dieldrin	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Endosulfan I	5.10	5.10	5.10	5.10	5.10	5.10	5.00	5.20
Endosulfan II	5.94	5.94	5.94	5.94	5.94	5.94	5.84	6.04
Endosulfan sulfate	6.34	6.34	6.34	6.34	6.34	6.34	6.24	6.44
Endrin	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74
Endrin aldehyde	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Endrin ketone	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
gamma-BHC (Lindane)	3.61	3.61	3.61	3.61	3.61	3.61	3.51	3.71
gamma-Chlordane	4.98	4.98	4.98	4.98	4.98	4.98	4.88	5.08
Heptachlor	3.95	3.95	3.95	3.95	3.95	3.95	3.85	4.05
Heptachlor epoxide	4.73	4.73	4.73	4.73	4.73	4.73	4.63	4.83
Methoxychlor	6.61	6.62	6.62	6.62	6.61	6.61	6.51	6.71
Tetrachloro-m-xylene	2.78	2.78	2.78	2.78	2.78	2.78	2.68	2.88

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1810270000	1801980000	1817980000	1967770000	2199620000	1919520000	9
4,4'-DDE	2254070000	2226390000	2230050000	2402470000	2732960000	2369190000	9
4,4'-DDT	1948940000	1933390000	1940720000	2113460000	2412250000	2069750000	10
Aldrin	2847480000	2802990000	2807290000	3047230000	3502400000	3001480000	10
alpha-BHC	3356530000	3271880000	3230400000	3397090000	3701950000	3391570000	5
alpha-Chlordane	2486640000	2469090000	2489960000	2701720000	3093310000	2648140000	10
beta-BHC	1343260000	1339050000	1368530000	1491800000	1684660000	1445460000	10
Decachlorobiphenyl	1738840000	1756630000	1819720000	1998760000	2308800000	1924550000	12
delta-BHC	3067660000	2980040000	2949010000	3119670000	3533000000	3129870000	8
Dieldrin	2486930000	2456960000	2476030000	2679410000	3078050000	2635480000	10
Endosulfan I	2320690000	2313950000	2348370000	2546170000	2977620000	2501360000	11
Endosulfan II	2159880000	2160930000	2205230000	2449960000	2943170000	2383830000	14
Endosulfan sulfate	1974140000	1979440000	2024740000	2239840000	2633550000	2170340000	13
Endrin	2111540000	2103000000	2121260000	2324460000	2723040000	2276660000	12
Endrin aldehyde	1712300000	1718280000	1758160000	1955910000	2245210000	1877970000	12
Endrin ketone	2253830000	2246660000	2273910000	2471090000	2868570000	2422810000	11
gamma-BHC (Lindane)	3198960000	3133030000	3104430000	3278360000	3583040000	3259560000	6
gamma-Chlordane	2496700000	2477960000	2491940000	2703470000	3133120000	2660640000	11
Heptachlor	2817300000	2795570000	2829220000	3064000000	3509480000	3003110000	10
Heptachlor epoxide	2536240000	2521530000	2566410000	2821600000	3361270000	2761410000	13
Methoxychlor	1040530000	1050870000	1078280000	1189160000	1341160000	1140000000	11
Tetrachloro-m-xylene	2319350000	2304070000	2328420000	2512350000	2786990000	2450240000	8

Raw Data

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

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Calibration Date(s):** 10/28/2024 10/28/2024

Calibration Times: 14:43 15:36

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

LAB FILE ID: **CF 100 =** PL092655.D **CF 075 =** PL092656.D

CF 050 = PL092657.D **CF 025 =** PL092658.D **CF 005 =** PL092659.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	2614880000	2506250000	2443430000	2489210000	2396540000	2490060000	3
4,4'-DDE	3334990000	3225880000	3154950000	3209960000	3182260000	3221610000	2
4,4'-DDT	2797500000	2713050000	2637310000	2653690000	2609750000	2682260000	3
Aldrin	3840860000	3705070000	3619180000	3619340000	3516600000	3660210000	3
alpha-BHC	4282500000	4089170000	3973860000	3934480000	3670850000	3990170000	6
alpha-Chlordane	3409310000	3303380000	3254510000	3329310000	3333630000	3326030000	2
beta-BHC	1625150000	1594840000	1591160000	1661990000	1758110000	1646250000	4
Decachlorobiphenyl	2606810000	2575500000	2605540000	2793460000	3064890000	2729240000	8
delta-BHC	4088000000	3924730000	3802680000	3782230000	3618150000	3843150000	5
Dieldrin	3483370000	3364390000	3290100000	3303460000	3260200000	3340300000	3
Endosulfan I	3111480000	3032780000	2993580000	3072340000	3055530000	3053140000	1
Endosulfan II	2881520000	2813750000	2779930000	2861240000	2829950000	2833280000	1
Endosulfan sulfate	2707530000	2646200000	2623690000	2712350000	2794620000	2696880000	2
Endrin	2969490000	2878380000	2828080000	2876210000	2912860000	2893010000	2
Endrin aldehyde	2273700000	2244250000	2230130000	2333460000	2454860000	2307280000	4
Endrin ketone	3089790000	3023040000	3013060000	3097240000	3120850000	3068800000	2
gamma-BHC (Lindane)	4083950000	3934430000	3833920000	3828430000	3616530000	3859450000	4
gamma-Chlordane	3470230000	3355710000	3294030000	3342020000	3346470000	3361690000	2
Heptachlor	3876200000	3766580000	3709120000	3779090000	3738650000	3773930000	2
Heptachlor epoxide	3405420000	3318630000	3272090000	3352830000	3358060000	3341410000	1
Methoxychlor	1400820000	1385450000	1393920000	1470360000	1489590000	1428030000	3
Tetrachloro-m-xylene	2724750000	2661560000	2643180000	2728430000	2847900000	2721160000	3

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

GC Column: ZB-MR2 **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	23962400
		2	6.44	6.34	6.54	13823600
		3	7.06	6.96	7.16	79159800
		4	7.15	7.05	7.25	59803700
		5	7.93	7.83	8.03	45329200

Raw Data

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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Instrument ID: ECD_L **Date(s) Analyzed:** 10/28/2024 10/28/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Toxaphene	500	1	5.01	4.91	5.11	19952700
		2	5.33	5.23	5.43	19749600
		3	6.61	6.51	6.71	70222500
		4	6.73	6.63	6.83	98337700
		5	7.05	6.95	7.15	65479700

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
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: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	231.9E6	272.5E6	99.805	101.520
28)	SA	Decachlor...	9.054	7.915	173.9E6	260.7E6	97.727	100.024
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	335.7E6	428.2E6	101.915	103.738
3)	MA	gamma-BHC...	4.328	3.611	319.9E6	408.4E6	101.500	103.158
4)	MA	Heptachlor	4.917	3.950	281.7E6	387.6E6	99.789	102.203
5)	MB	Aldrin	5.258	4.230	284.7E6	384.1E6	100.711	102.971
6)	B	beta-BHC	4.525	3.910	134.3E6	162.5E6	99.068	101.057
7)	B	delta-BHC	4.773	4.139	306.8E6	408.8E6	101.972	103.616
8)	B	Heptachlo...	5.685	4.732	253.6E6	340.5E6	99.409	101.997
9)	A	Endosulfan I	6.070	5.102	232.1E6	311.1E6	99.407	101.931
10)	B	gamma-Chl...	5.940	4.982	249.7E6	347.0E6	100.095	102.605
11)	B	alpha-Chl...	6.019	5.046	248.7E6	340.9E6	99.933	102.323
12)	B	4,4'-DDE	6.193	5.235	225.4E6	333.5E6	100.536	102.774
13)	MA	Dieldrin	6.345	5.366	248.7E6	348.3E6	100.220	102.853
14)	MA	Endrin	6.575	5.641	211.2E6	296.9E6	99.771	102.439
15)	B	Endosulfa...	6.794	5.936	216.0E6	288.2E6	98.961	101.794
16)	A	4,4'-DDD	6.710	5.789	181.0E6	261.5E6	99.788	103.390
17)	MA	4,4'-DDT	7.024	6.039	194.9E6	279.7E6	100.211	102.948
18)	B	Endrin al...	6.924	6.115	171.2E6	227.4E6	98.679	100.967
19)	B	Endosulfa...	7.158	6.338	197.4E6	270.8E6	98.735	101.573
20)	A	Methoxychlor	7.500	6.614	104.1E6	140.1E6	98.219	100.247
21)	B	Endrin ke...	7.643	6.843	225.4E6	309.0E6	99.557	101.257
22)		Mirex	8.117	7.024	176.1E6	246.6E6	97.640	99.464

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

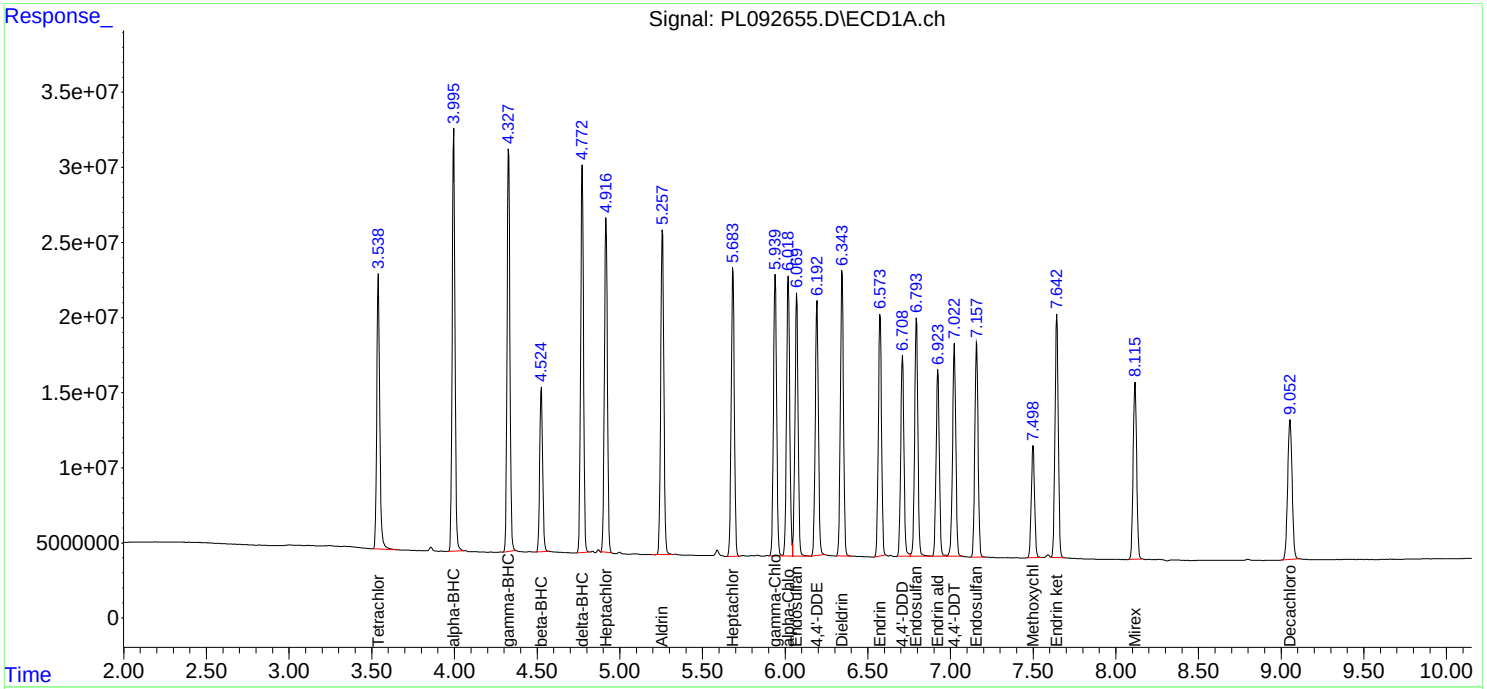
ICAL Form

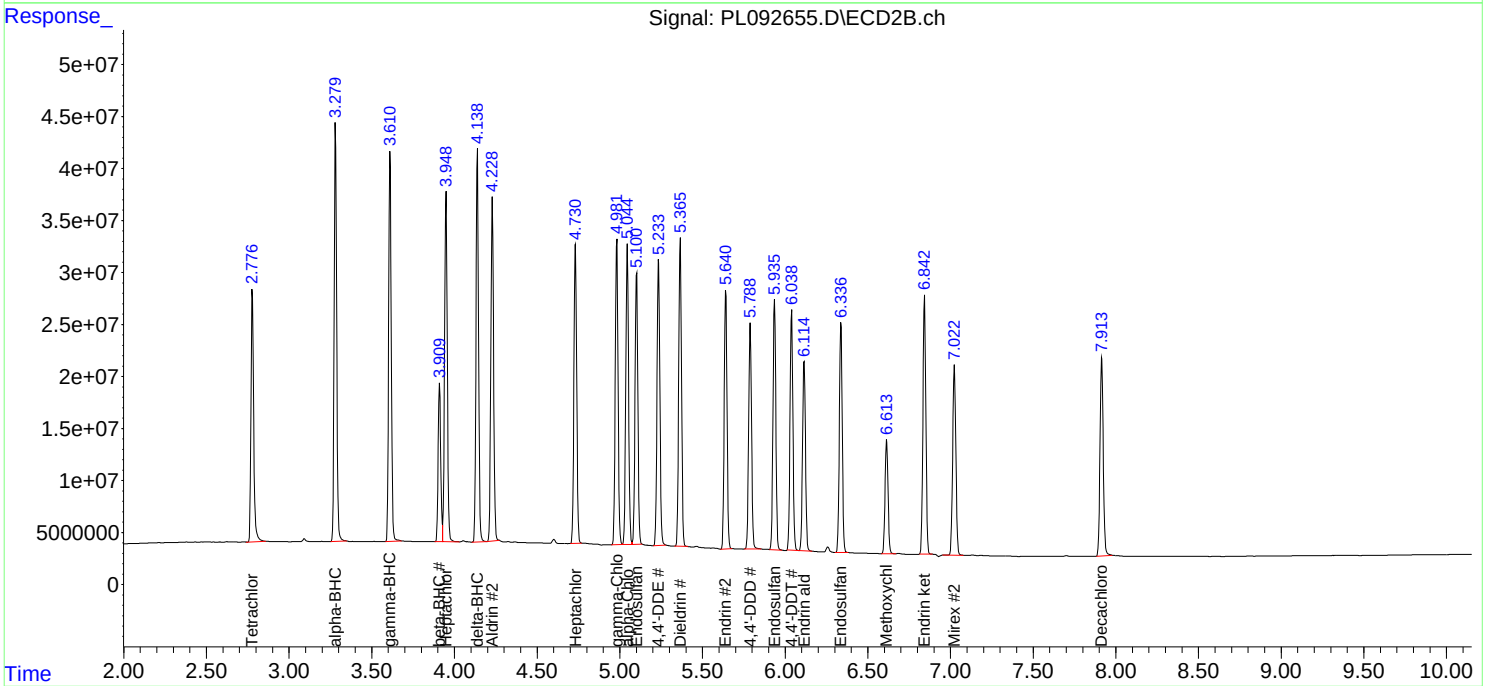
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092655.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:43
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:08:56 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
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: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	172.8E6	199.6E6	74.573	74.581
28)	SA	Decachlor...	9.054	7.916	131.7E6	193.2E6	74.361	74.409
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	245.4E6	306.7E6	74.672	74.526
3)	MA	gamma-BHC...	4.328	3.611	235.0E6	295.1E6	74.703	74.690
4)	MA	Heptachlor	4.917	3.950	209.7E6	282.5E6	74.508	74.655
5)	MB	Aldrin	5.259	4.230	210.2E6	277.9E6	74.567	74.665
6)	B	beta-BHC	4.526	3.911	100.4E6	119.6E6	74.376	74.585
7)	B	delta-BHC	4.773	4.140	223.5E6	294.4E6	74.528	74.738
8)	B	Heptachlo...	5.685	4.733	189.1E6	248.9E6	74.414	74.698
9)	A	Endosulfan I	6.070	5.103	173.5E6	227.5E6	74.558	74.676
10)	B	gamma-Chl...	5.941	4.982	185.8E6	251.7E6	74.671	74.608
11)	B	alpha-Chl...	6.019	5.047	185.2E6	247.8E6	74.613	74.571
12)	B	4,4'-DDE	6.193	5.235	167.0E6	241.9E6	74.650	74.705
13)	MA	Dieldrin	6.345	5.366	184.3E6	252.3E6	74.504	74.669
14)	MA	Endrin	6.575	5.642	157.7E6	215.9E6	74.683	74.647
15)	B	Endosulfa...	6.794	5.937	162.1E6	211.0E6	74.503	74.700
16)	A	4,4'-DDD	6.710	5.790	135.1E6	188.0E6	74.665	74.546
17)	MA	4,4'-DDT	7.024	6.040	145.0E6	203.5E6	74.705	74.920
18)	B	Endrin al...	6.924	6.116	128.9E6	168.3E6	74.510	74.830
19)	B	Endosulfa...	7.159	6.339	148.5E6	198.5E6	74.498	74.635
20)	A	Methoxychlor	7.500	6.615	78815004	103.9E6	74.596	74.572
21)	B	Endrin ke...	7.643	6.844	168.5E6	226.7E6	74.619	74.533
22)		Mirex	8.117	7.024	133.9E6	183.5E6	74.491	74.331

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

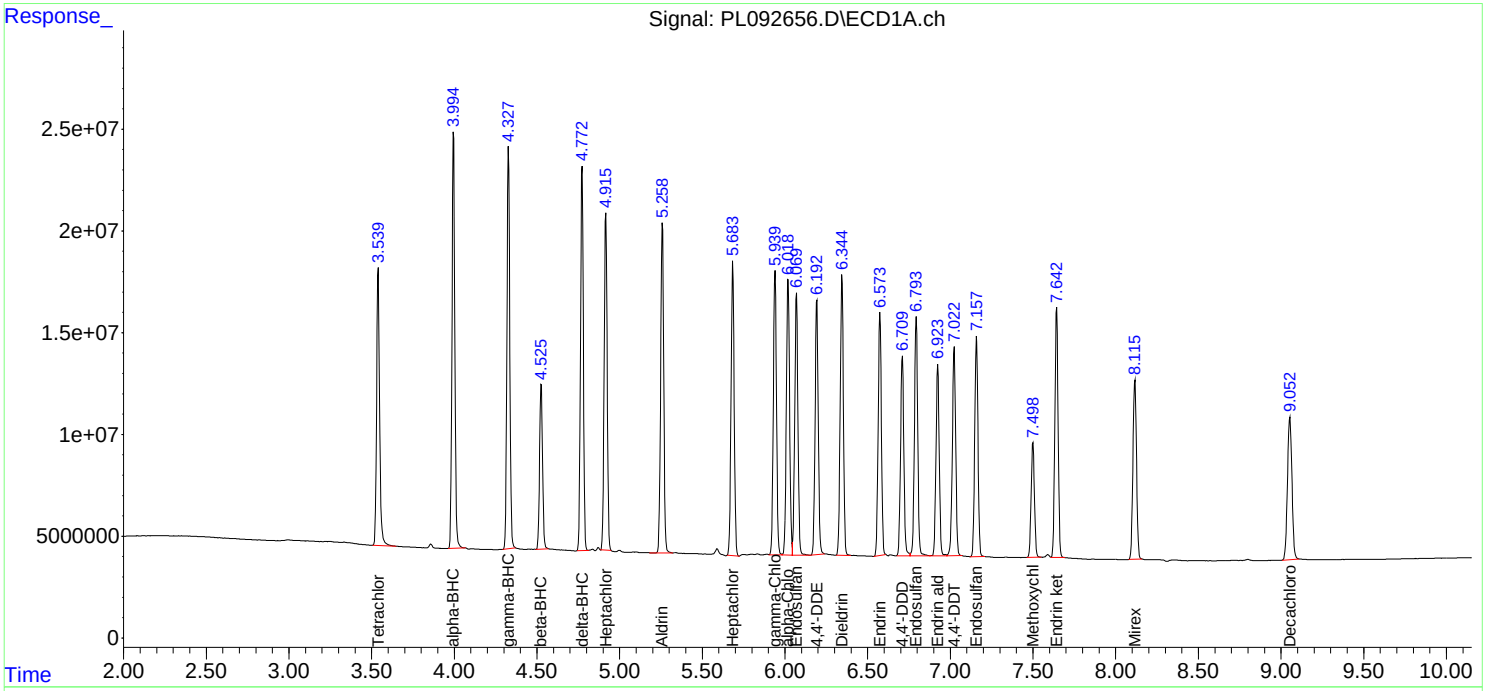
ICAL Form

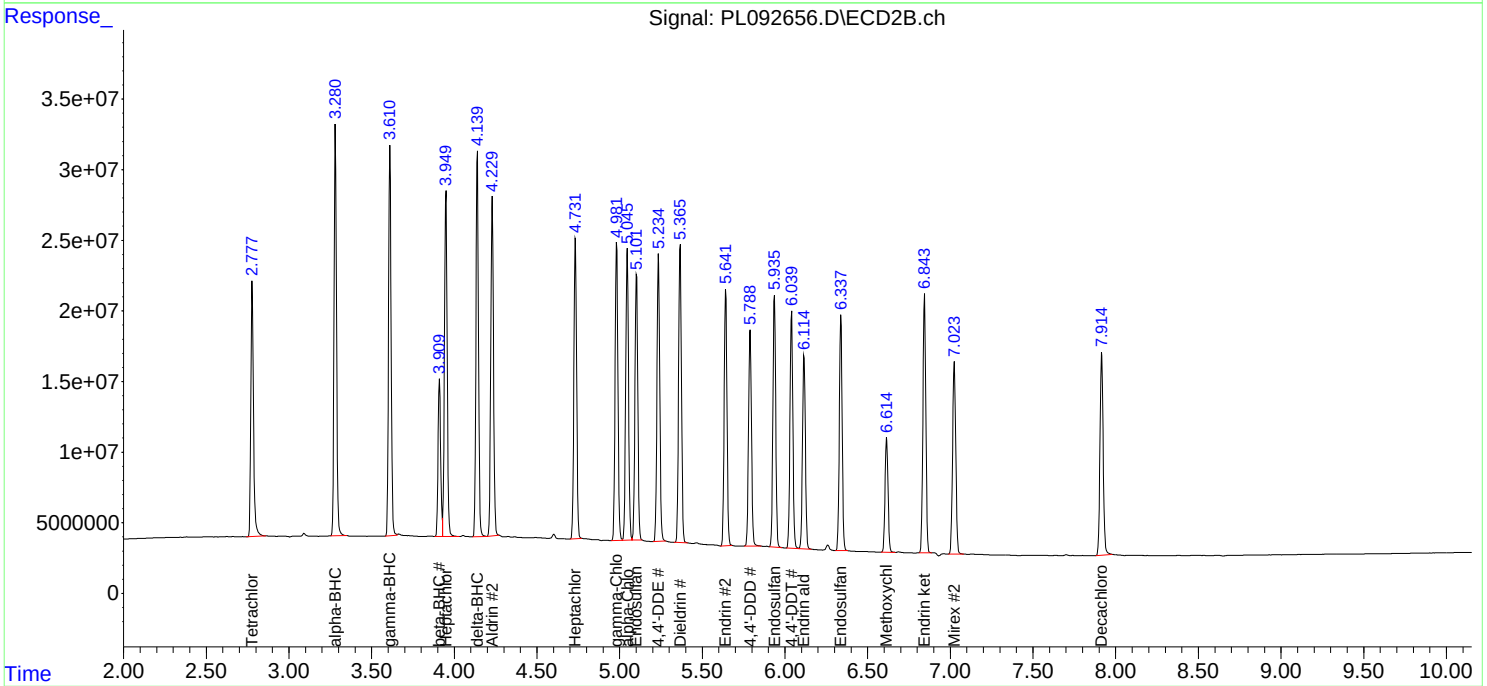
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092656.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:56
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:11:32 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
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: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	116.4E6	132.2E6	50.000	50.000
28)	SA	Decachlor...	9.054	7.916	90985898	130.3E6	50.000	50.000
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	161.5E6	198.7E6	50.000	50.000
3)	MA	gamma-BHC...	4.328	3.611	155.2E6	191.7E6	50.000	50.000
4)	MA	Heptachlor	4.917	3.949	141.5E6	185.5E6	50.000	50.000
5)	MB	Aldrin	5.258	4.229	140.4E6	181.0E6	50.000	50.000
6)	B	beta-BHC	4.525	3.910	68426712	79558092	50.000	50.000
7)	B	delta-BHC	4.772	4.139	147.5E6	190.1E6	50.000	50.000
8)	B	Heptachlo...	5.684	4.732	128.3E6	163.6E6	50.000	50.000
9)	A	Endosulfan I	6.070	5.102	117.4E6	149.7E6	50.000	50.000
10)	B	gamma-Chl...	5.941	4.982	124.6E6	164.7E6	50.000	50.000
11)	B	alpha-Chl...	6.019	5.045	124.5E6	162.7E6	50.000	50.000
12)	B	4,4'-DDE	6.193	5.235	111.5E6	157.7E6	50.000	50.000
13)	MA	Dieldrin	6.345	5.366	123.8E6	164.5E6	50.000	50.000
14)	MA	Endrin	6.574	5.641	106.1E6	141.4E6	50.000	50.000
15)	B	Endosulfa...	6.794	5.936	110.3E6	139.0E6	50.000	50.000
16)	A	4,4'-DDD	6.710	5.789	90898841	122.2E6	50.000	50.000
17)	MA	4,4'-DDT	7.023	6.040	97035972	131.9E6	50.000	50.000
18)	B	Endrin al...	6.924	6.115	87908093	111.5E6	50.000	50.000
19)	B	Endosulfa...	7.158	6.338	101.2E6	131.2E6	50.000	50.000
20)	A	Methoxychlor	7.499	6.615	53913903	69696231	50.000	50.000
21)	B	Endrin ke...	7.643	6.843	113.7E6	150.7E6	50.000	50.000
22)		Mirex	8.116	7.024	92300183	124.6E6	50.000	50.000

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

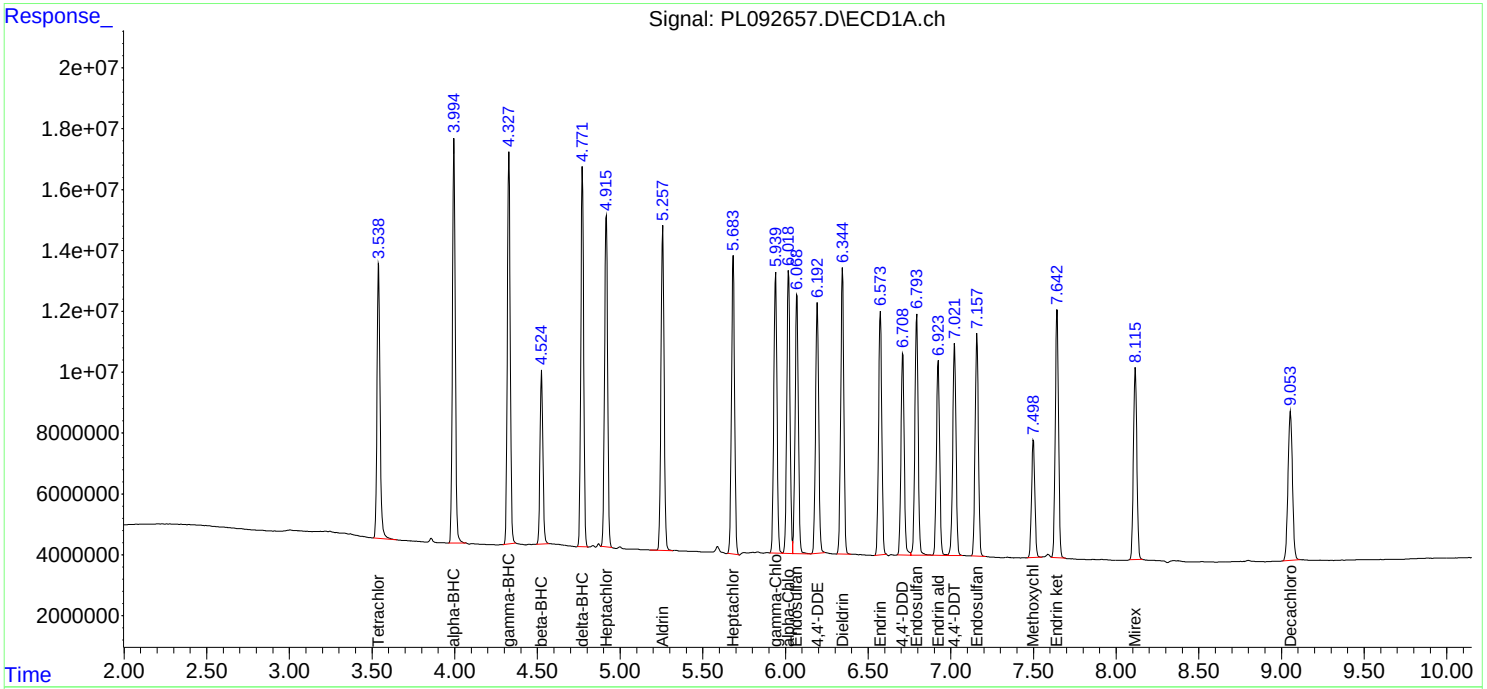
ICAL Form

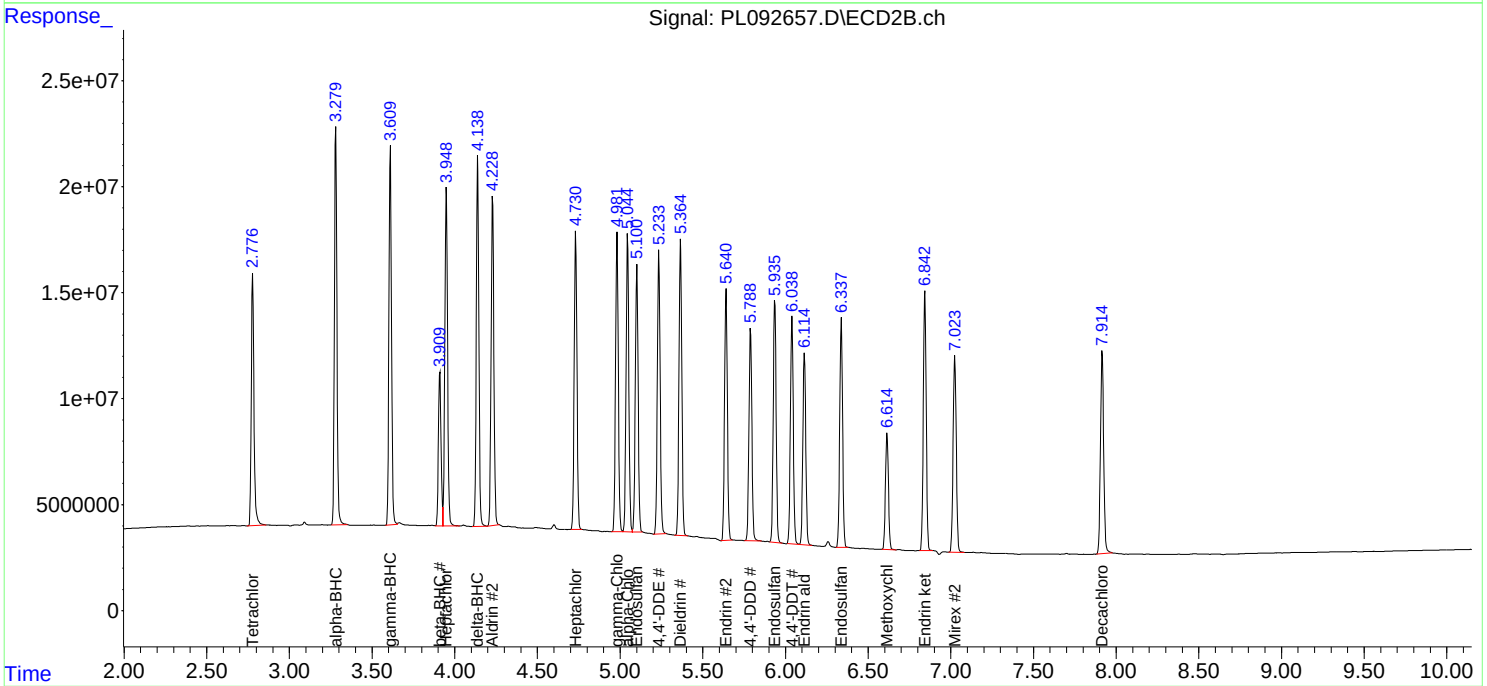
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092657.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:09
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:06:37 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:06:20 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	62808688	68210857	26.546	25.362
28) SA	Decachlor...	9.054	7.916	49968947	69836578	27.328	26.400
	Target Compounds						
2) A	alpha-BHC	3.996	3.281	84927238	98362013	25.627	24.168
3) MA	gamma-BHC...	4.328	3.611	81958950	95710712	25.784	24.415
4) MA	Heptachlor	4.917	3.950	76599935	94477178	26.629	24.976
5) MB	Aldrin	5.259	4.230	76180853	90483526	26.486	24.481
6) B	beta-BHC	4.526	3.911	37295050	41549746	26.915	25.675
7) B	delta-BHC	4.773	4.140	77991786	94555626	25.748	24.249
8) B	Heptachlo...	5.685	4.732	70540111	83820686	27.012	25.117
9) A	Endosulfan I	6.070	5.102	63654358	76808476	26.720	25.162
10) B	gamma-Chl...	5.941	4.982	67586796	83550406	26.583	24.826
11) B	alpha-Chl...	6.019	5.046	67542919	83232660	26.625	25.039
12) B	4,4'-DDE	6.193	5.235	60061765	80248978	26.363	24.834
13) MA	Dieldrin	6.345	5.366	66985225	82586412	26.531	24.577
14) MA	Endrin	6.574	5.642	58111422	71905340	26.841	24.898
15) B	Endosulfa...	6.793	5.937	61248899	71530905	27.295	25.239
16) A	4,4'-DDD	6.710	5.790	49194300	62230288	26.599	24.759
17) MA	4,4'-DDT	7.023	6.040	52836397	66342279	26.630	24.568
18) B	Endrin al...	6.923	6.116	48897872	58336435	27.376	25.694
19) B	Endosulfa...	7.158	6.339	55996056	67808739	27.255	25.373
20) A	Methoxychlor	7.499	6.615	29728906	36759011	27.282	26.022
21) B	Endrin ke...	7.643	6.844	61777342	77430982	26.728	25.339
22)	Mirex	8.116	7.025	51864163	67137696	27.785	26.612

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

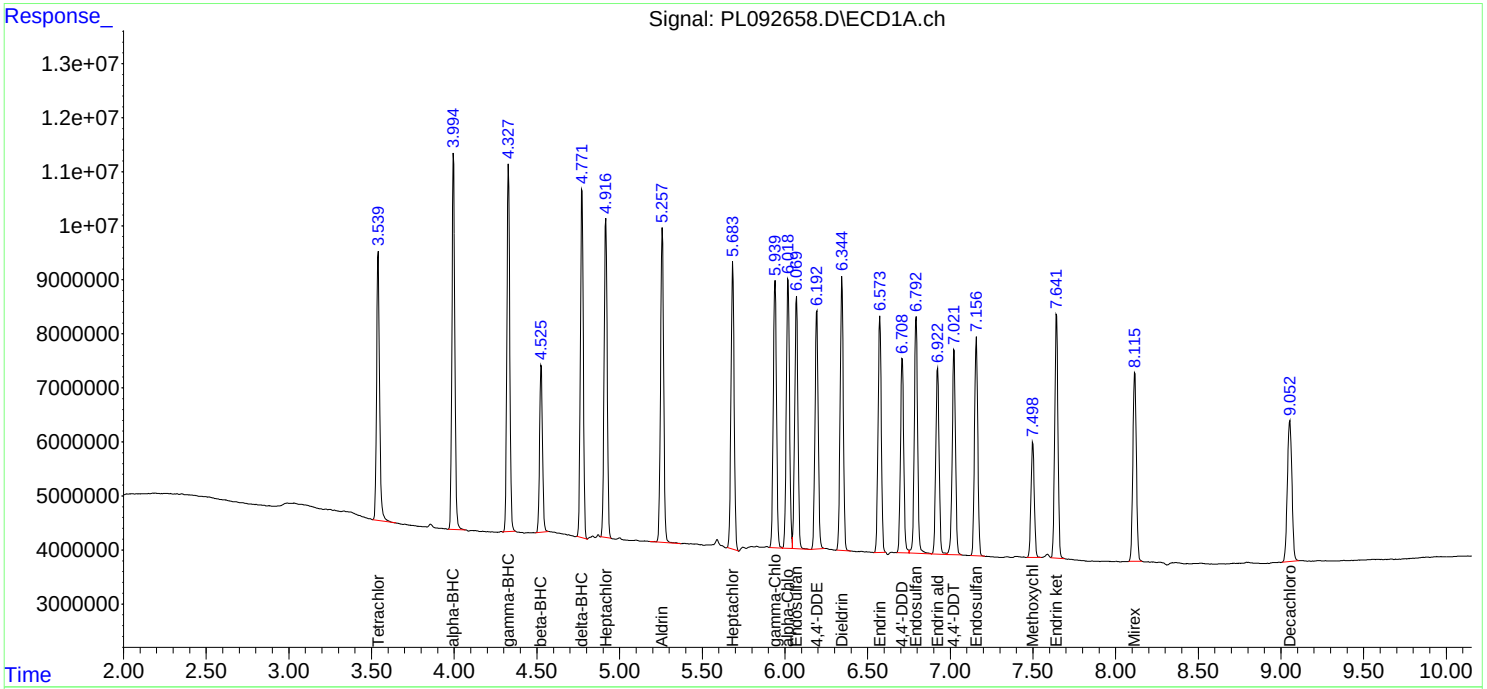
ICAL Form

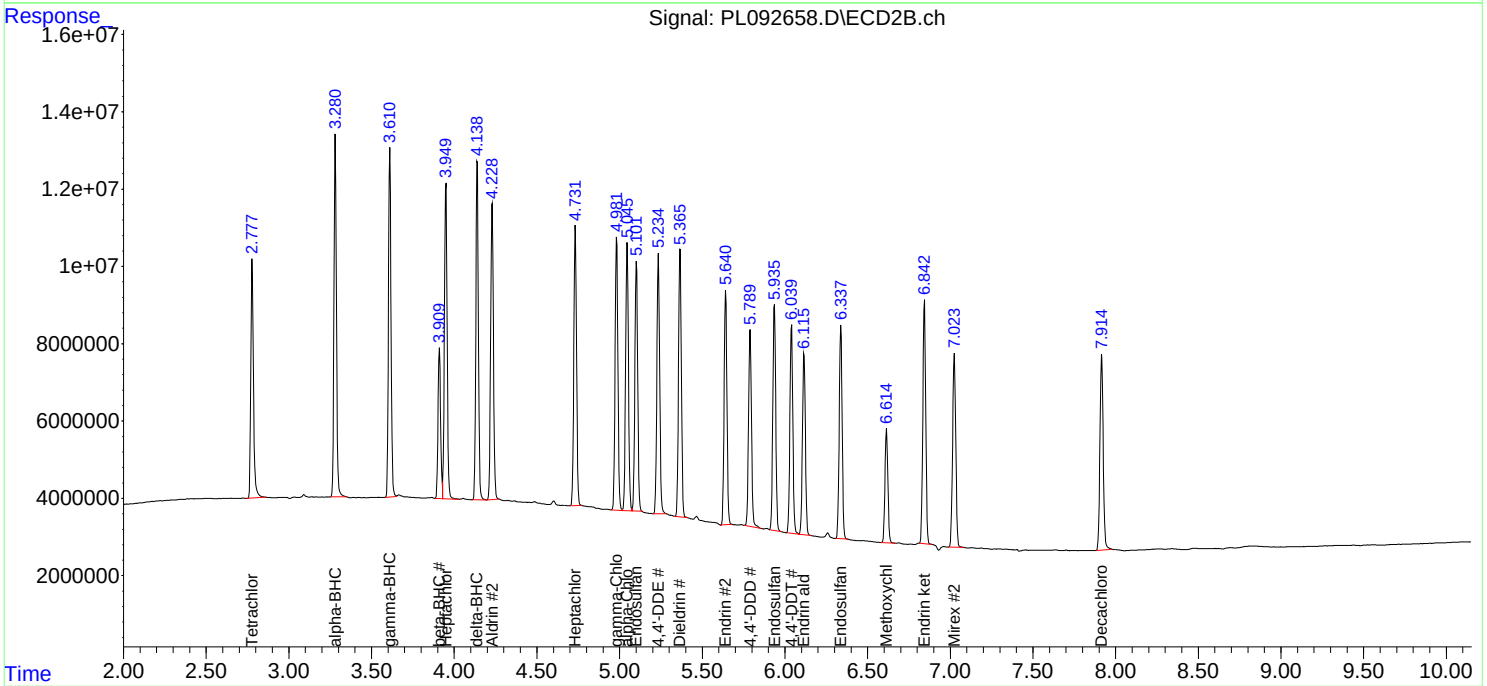
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:23
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:13:36 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.540	2.778	13934946	14239511	5.687	5.233
28)	SA Decachlor...	9.053	7.915	11544004	15324471	5.998	5.615
	Target Compounds						
2)	A alpha-BHC	3.995	3.280	18509728	18354234	5.458	4.600
3)	MA gamma-BHC...	4.328	3.611	17915176	18082634	5.496	4.685
4)	MA Heptachlor	4.916	3.950	17547418	18693239	5.843	4.953
5)	MB Aldrin	5.258	4.229	17512022	17582981	5.834	4.804
6)	B beta-BHC	4.526	3.910	8423294	8790546	5.827	5.340
7)	B delta-BHC	4.771	4.139	17664985	18090728	5.611m	4.707
8)	B Heptachlo...	5.682	4.732	16806367	16790300	6.074m	5.025
9)	A Endosulfan I	6.069	5.102	14888105	15277635	5.952	5.004
10)	B gamma-Chl...	5.940	4.982	15665588	16732339	5.888	4.977
11)	B alpha-Chl...	6.019	5.046	15466528	16668126	5.841	5.011
12)	B 4,4'-DDE	6.192	5.235	13664798	15911321	5.768	4.939
13)	MA Dieldrin	6.344	5.366	15390264	16300991	5.840	4.880
14)	MA Endrin	6.573	5.641	13615222	14564290	5.980	5.034
15)	B Endosulfa...	6.793	5.936	14715849	14149758	6.173	4.994
16)	A 4,4'-DDD	6.709	5.789	10998106	11982712	5.730	4.812
17)	MA 4,4'-DDT	7.023	6.039	12061270	13048754	5.827	4.865
18)	B Endrin al...	6.923	6.115	11226054	12274278	5.978	5.320
19)	B Endosulfa...	7.157	6.338	13167738	13973088	6.067	5.181
20)	A Methoxychlor	7.499	6.614	6705797	7447941	5.882	5.216
21)	B Endrin ke...	7.643	6.843	14342863	15604260	5.920	5.085
22)	Mirex	8.116	7.024	12209643	14769955	6.161	5.661

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092659.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 15:36
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

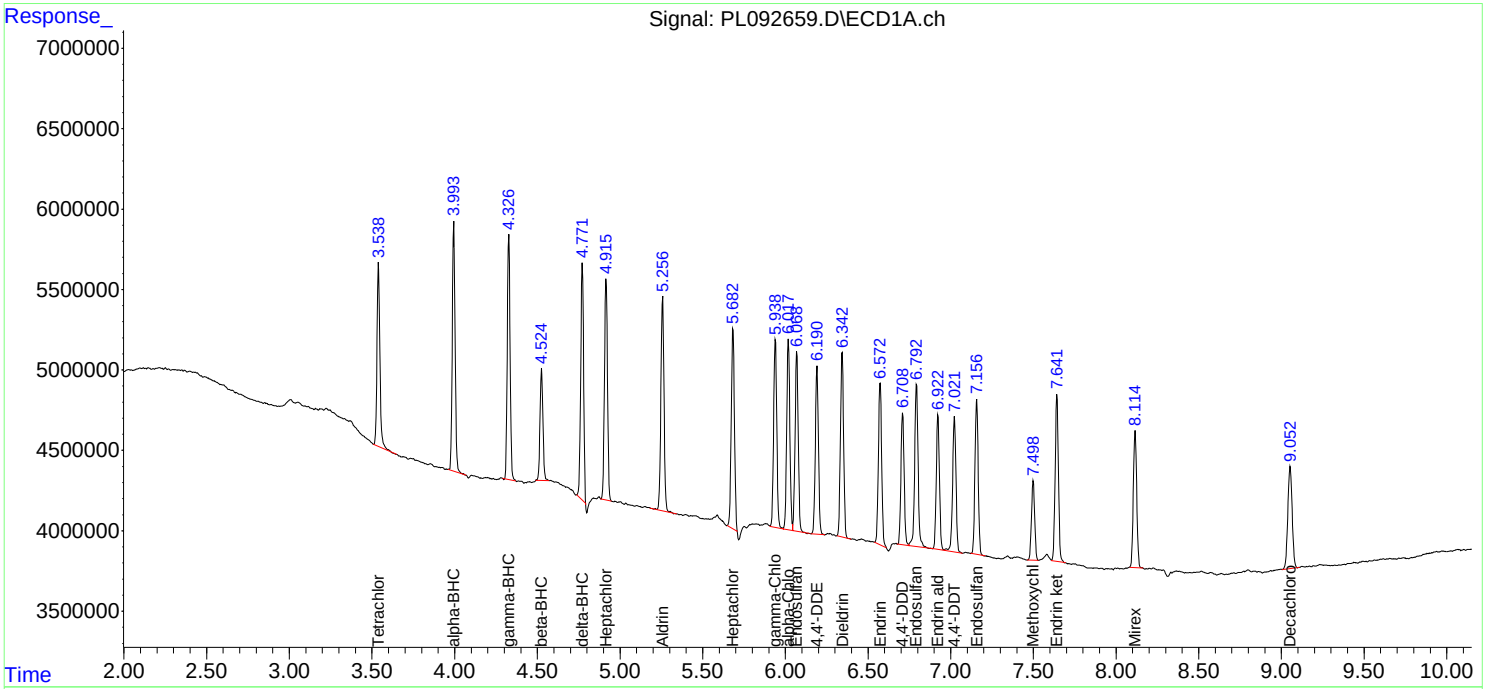
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

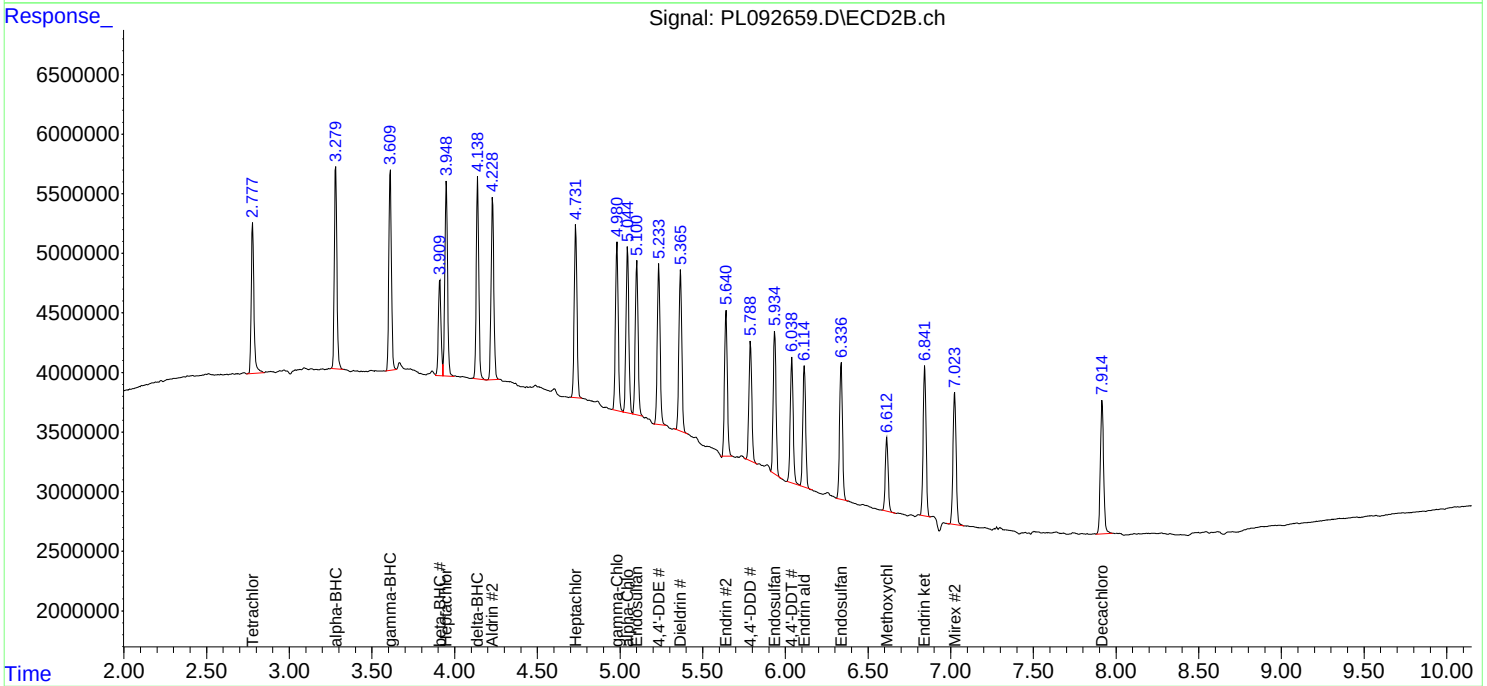
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:16:08 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:10:47 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
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: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.777	115.3E6	161.4E6	50.000	50.000
28) SA	Decachlor...	9.055	7.916	90689456	133.2E6	50.000	50.000
	Target Compounds						
23)	Chlordane-1	4.702	3.776	53498186	52546046	500.000	500.000
24)	Chlordane-2	5.231	4.352	55198384	60320369	500.000	500.000
25)	Chlordane-3	5.941	4.982	186.2E6	180.5E6	500.000	500.000
26)	Chlordane-4	6.023	5.045	229.2E6	173.4E6	500.000	500.000
27)	Chlordane-5	6.872	5.941	46080525	62029874	500.000	500.000

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

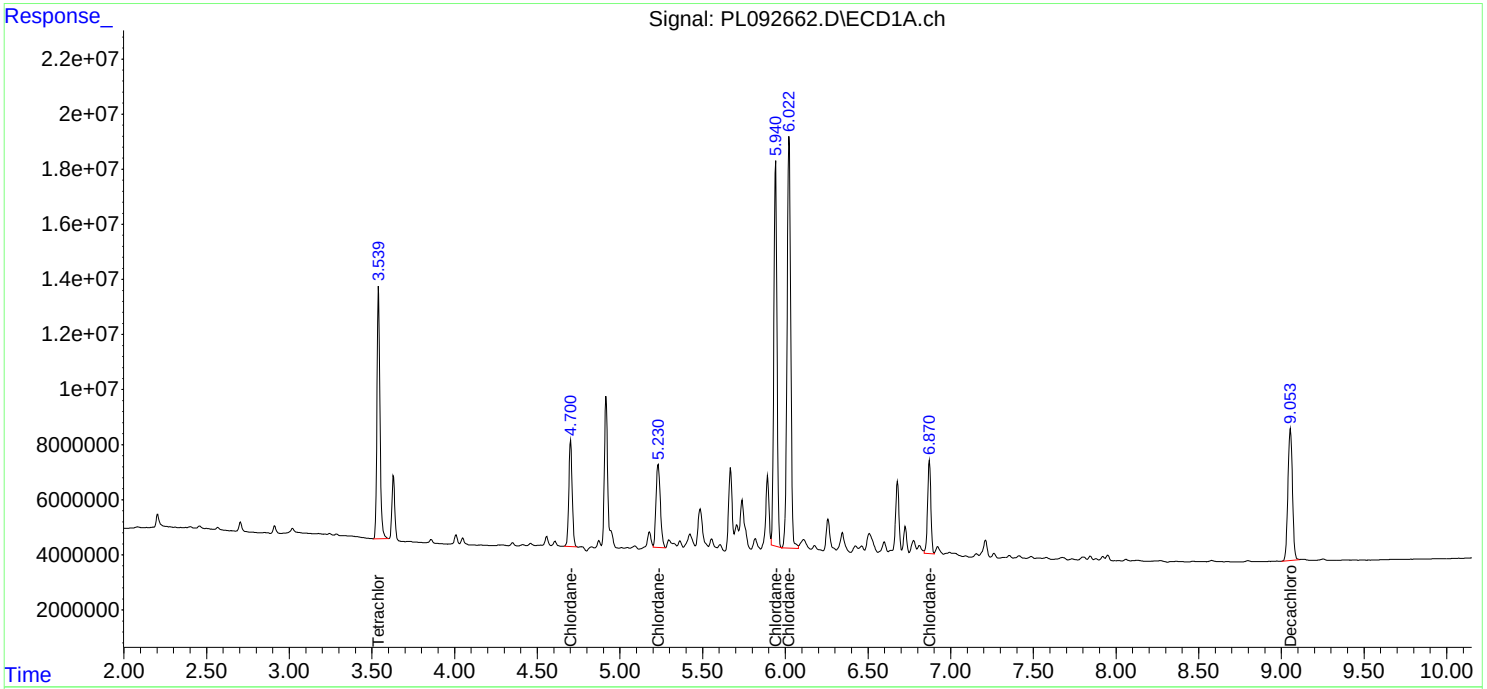
ICAL Form

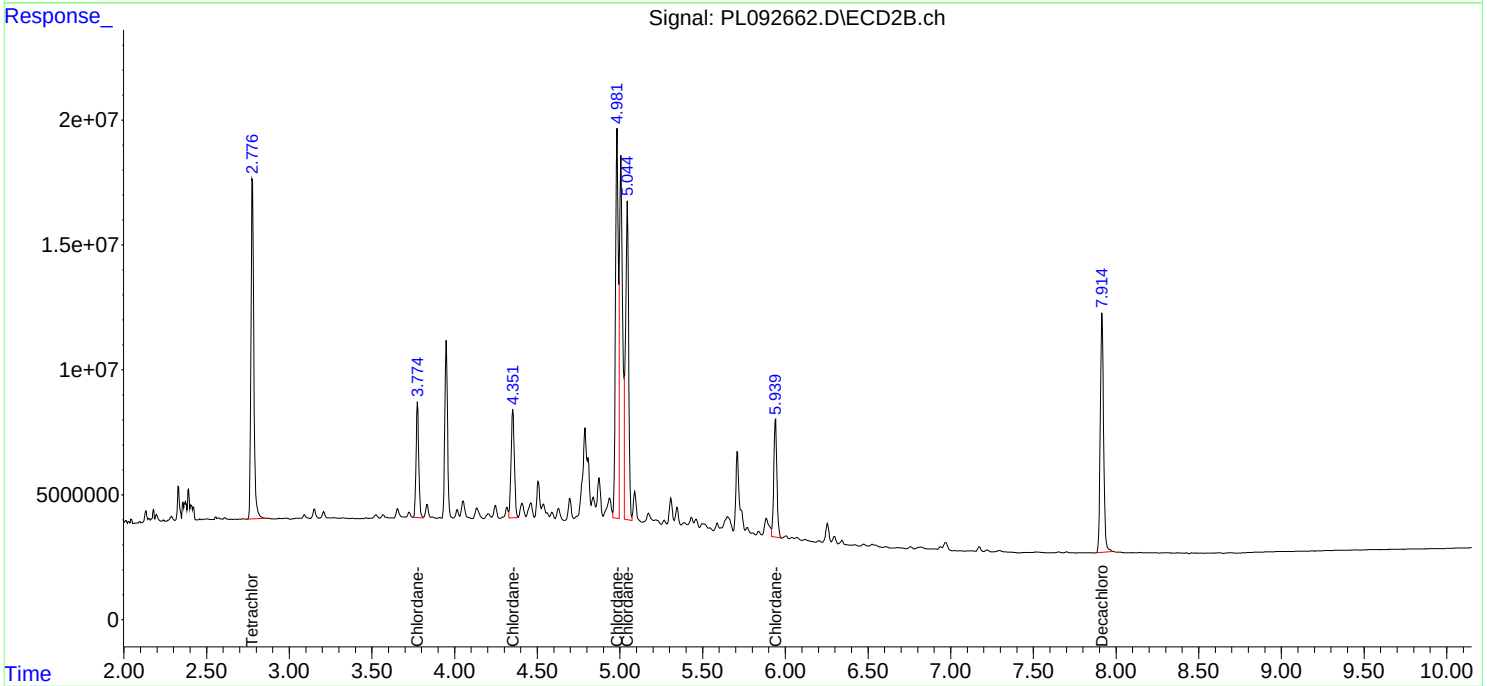
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092662.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 16:16
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 16:53:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 16:53:34 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
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: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
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...	3.540	2.778	120.2E6	137.2E6	50.000	50.000
7) SA	Decachlor...	9.054	7.916	94872630	139.2E6	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	6.237	5.007	11981208	9976373	500.000	500.000
3)	Toxaphene-2	6.441	5.332	6911814	9874812	500.000	500.000
4)	Toxaphene-3	7.058	6.605	39579915	35111261	500.000	500.000
5)	Toxaphene-4	7.149	6.733	29901849	49168858	500.000	500.000
6)	Toxaphene-5	7.934	7.045	22664593	32739853	500.000	500.000

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

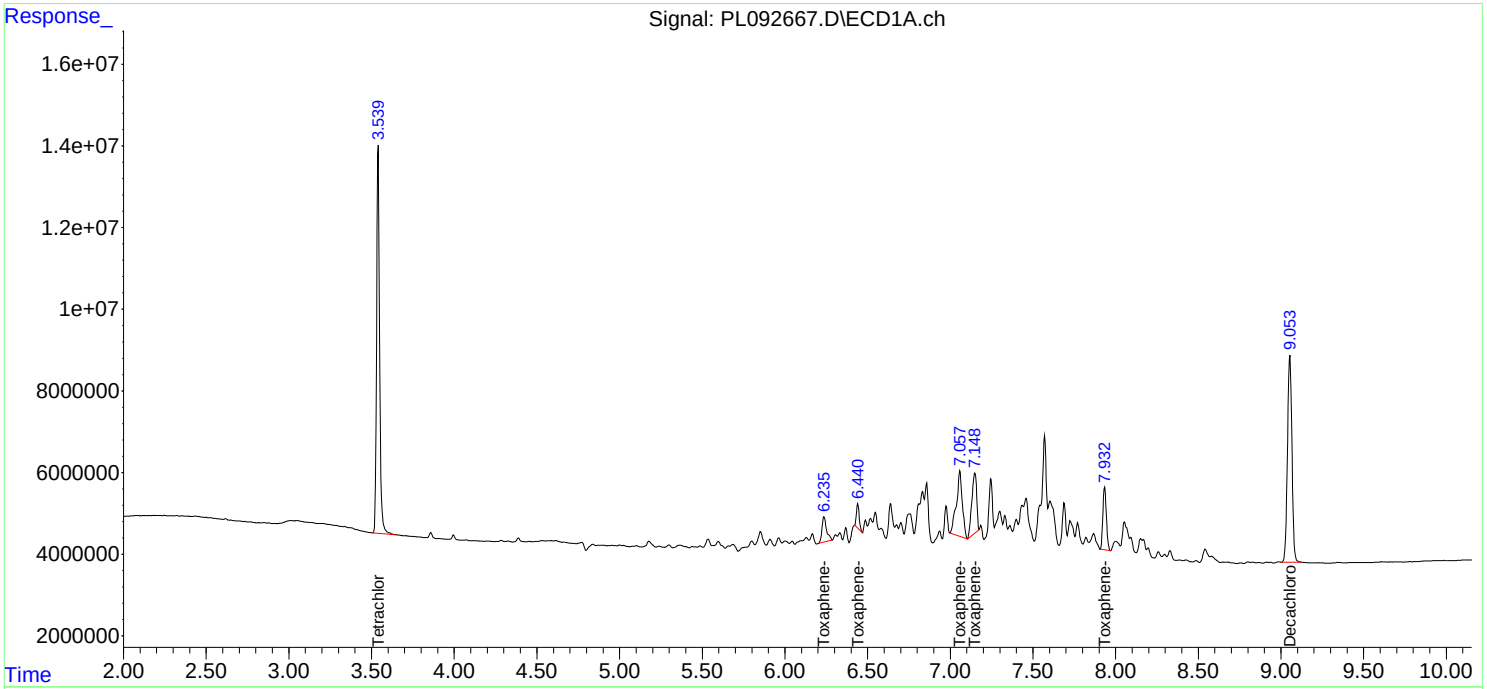
ICAL Form

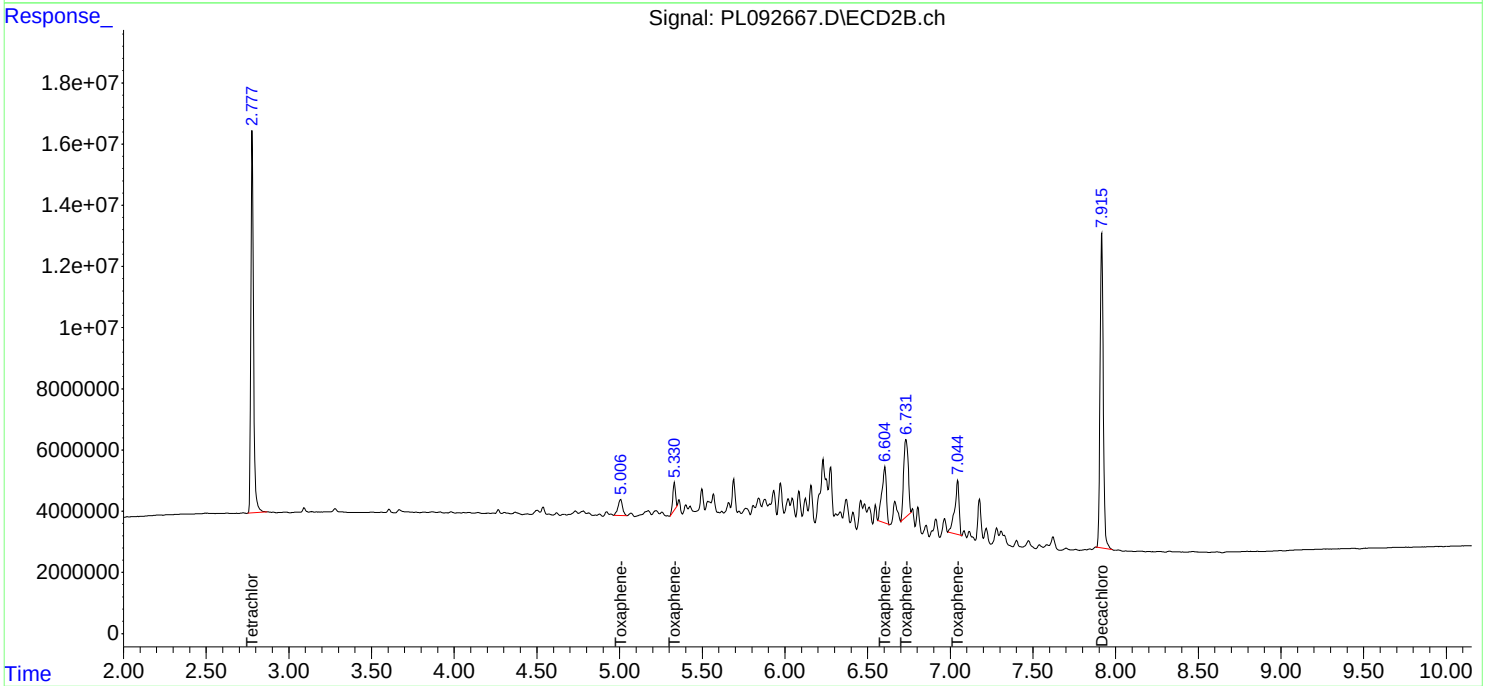
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092667.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 17:23
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:35:54 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:35:39 2024
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\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.778	119.9E6	136.6E6	48.932	50.204
28)	SA	Decachlor...	9.054	7.916	94182239	139.9E6	48.937	51.259
		Target Compounds						
2)	A	alpha-BHC	3.996	3.281	167.5E6	204.0E6	49.379	51.127
3)	MA	gamma-BHC...	4.328	3.611	160.1E6	197.4E6	49.125	51.136
4)	MA	Heptachlor	4.916	3.950	147.0E6	192.1E6	48.942	50.906
5)	MB	Aldrin	5.258	4.230	145.8E6	187.4E6	48.580	51.194
6)	B	beta-BHC	4.526	3.911	70600682	82244973	48.843	49.959
7)	B	delta-BHC	4.773	4.140	153.4E6	196.7E6	49.025	51.190
8)	B	Heptachlo...	5.684	4.732	133.1E6	169.7E6	48.213	50.772
9)	A	Endosulfan I	6.069	5.102	121.8E6	154.2E6	48.702	50.518
10)	B	gamma-Chl...	5.941	4.982	129.8E6	169.3E6	48.769	50.359
11)	B	alpha-Chl...	6.019	5.046	129.4E6	167.6E6	48.847	50.380
12)	B	4,4'-DDE	6.193	5.235	116.5E6	164.4E6	49.166	51.019
13)	MA	Dieldrin	6.345	5.366	129.0E6	171.0E6	48.947	51.185
14)	MA	Endrin	6.575	5.642	110.2E6	147.7E6	48.393	51.063
15)	B	Endosulfa...	6.794	5.937	115.4E6	145.0E6	48.417	51.175
16)	A	4,4'-DDD	6.710	5.790	95447383	127.7E6	49.724	51.292
17)	MA	4,4'-DDT	7.024	6.040	102.8E6	137.5E6	49.676	51.253
18)	B	Endrin al...	6.924	6.116	91870810	116.2E6	48.920	50.348
19)	B	Endosulfa...	7.159	6.339	106.0E6	136.5E6	48.859	50.601
20)	A	Methoxychlor	7.500	6.615	57010538	73335025	50.009	51.354
21)	B	Endrin ke...	7.644	6.844	118.9E6	157.6E6	49.074	51.358
22)		Mirex	8.117	7.025	96541027	131.1E6	48.716	50.260

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

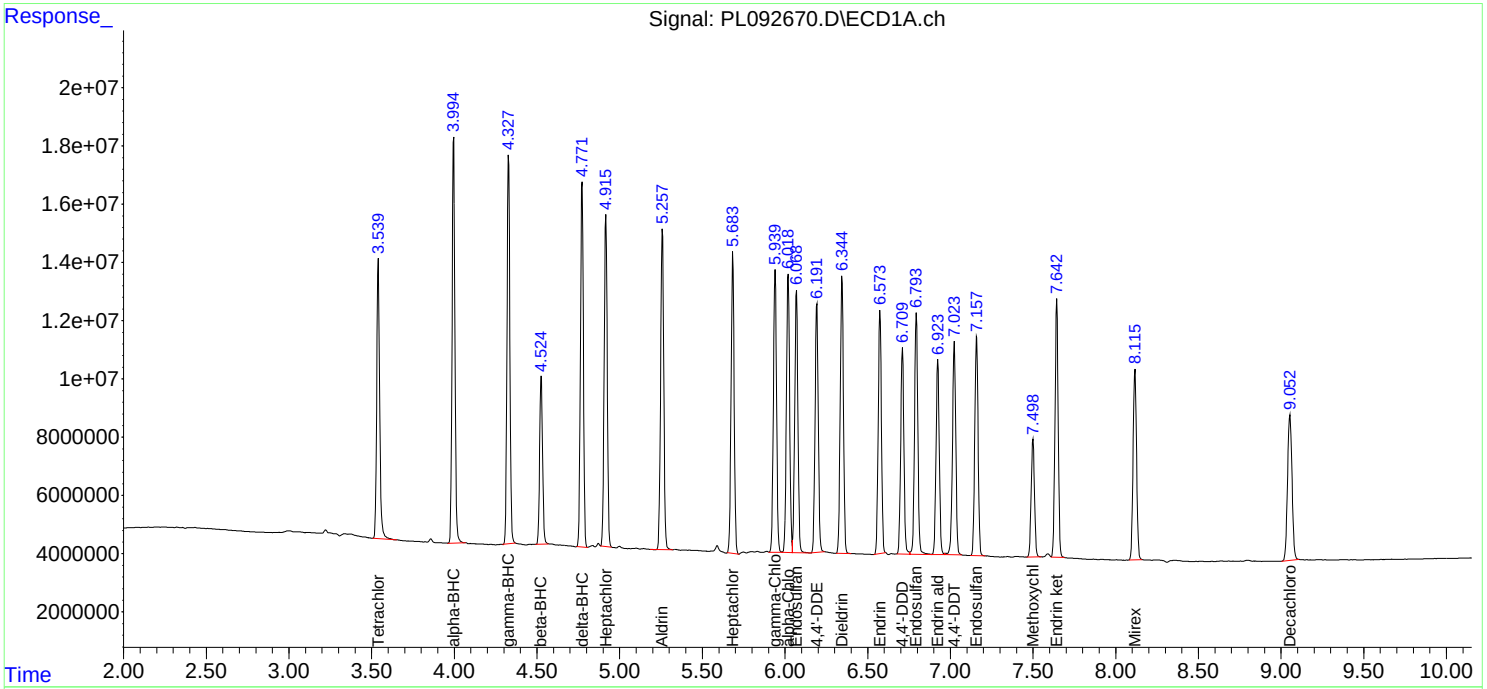
ICAL Form

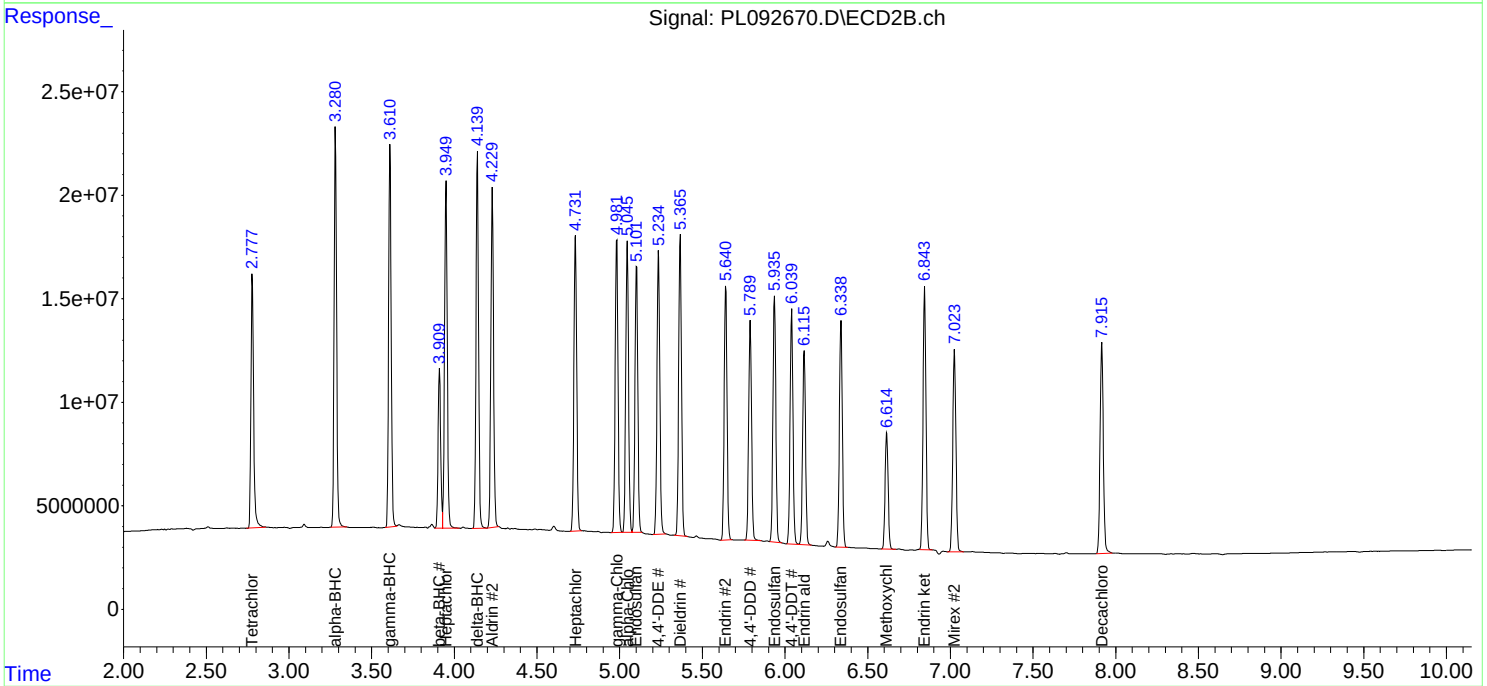
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:03
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:20:57 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:55:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.777	116.2E6	162.6E6	48.370	49.862
28) SA	Decachlor...	9.053	7.915	91212958	135.8E6	48.151	49.359
	Target Compounds						
23)	Chlordane-1	4.701	3.775	53586597	53029458	487.196	499.551
24)	Chlordane-2	5.231	4.352	54950332	60704270	479.439	490.132
25)	Chlordane-3	5.941	4.982	186.4E6	180.0E6	477.568	496.319
26)	Chlordane-4	6.022	5.045	229.4E6	173.9E6	479.933	497.043
27)	Chlordane-5	6.872	5.940	46544927	61748302	491.706	486.943

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

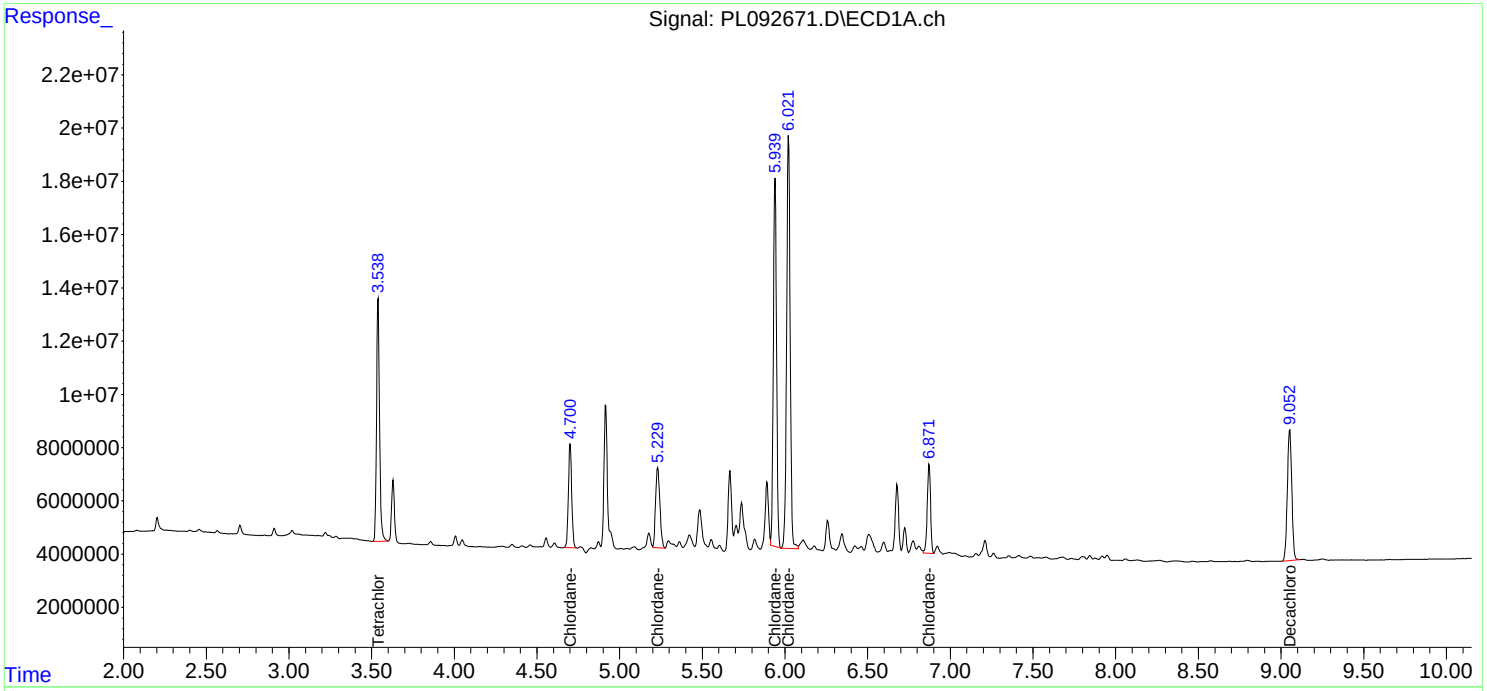
ICAL Form

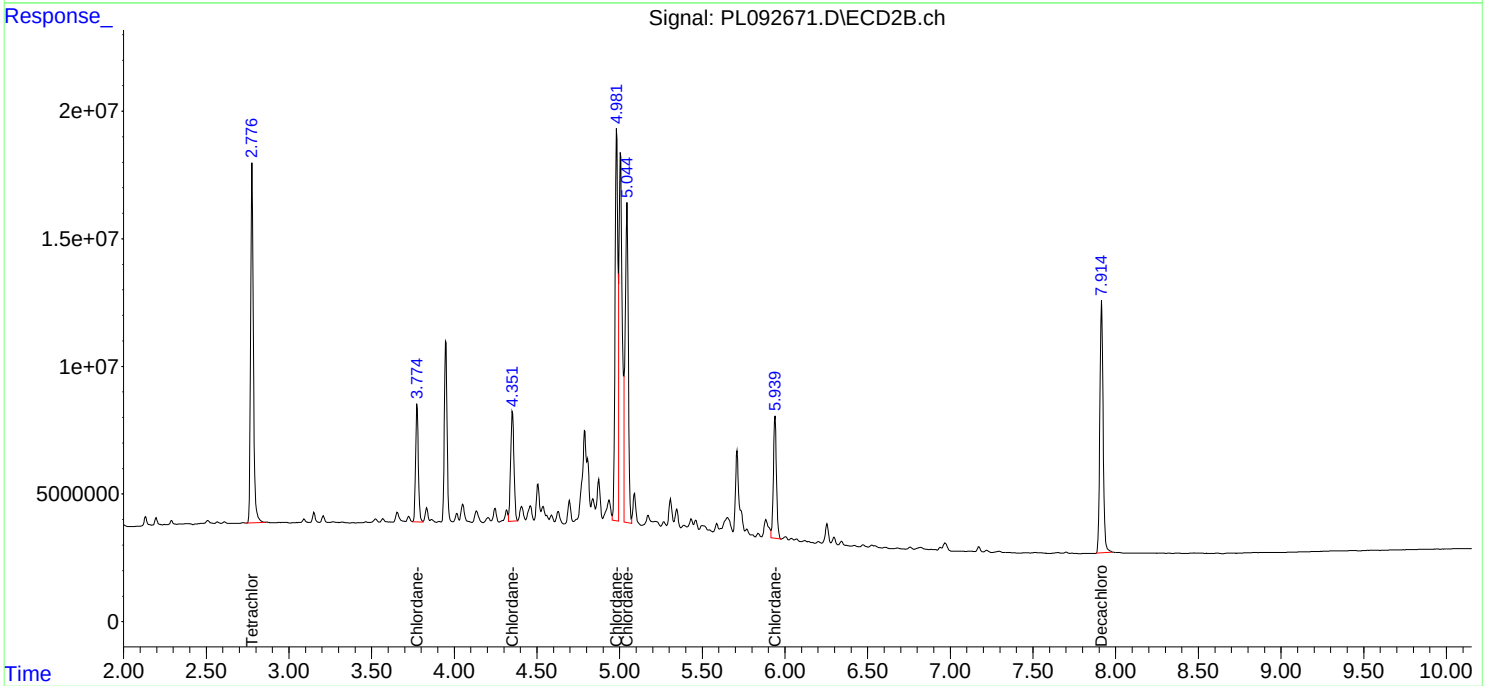
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:30
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824CHLOR

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 18:55:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:55:22 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
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...	3.540	2.778	120.8E6	137.1E6	50.385	51.035
7)	SA Decachlor...	9.053	7.916	95483844	139.1E6	50.356	50.519
	Target Compounds						
2)	Toxaphene-1	6.237	5.006	12257412	10058947	555.039	528.973
3)	Toxaphene-2	6.441	5.331	6863785	9788249	506.186	497.458
4)	Toxaphene-3	7.058	6.604	39909041	34565997	513.663	508.031
5)	Toxaphene-4	7.149	6.732	29767251	48553437	501.141	526.978
6)	Toxaphene-5	7.933	7.046	22590334	32781409	503.299	499.967

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

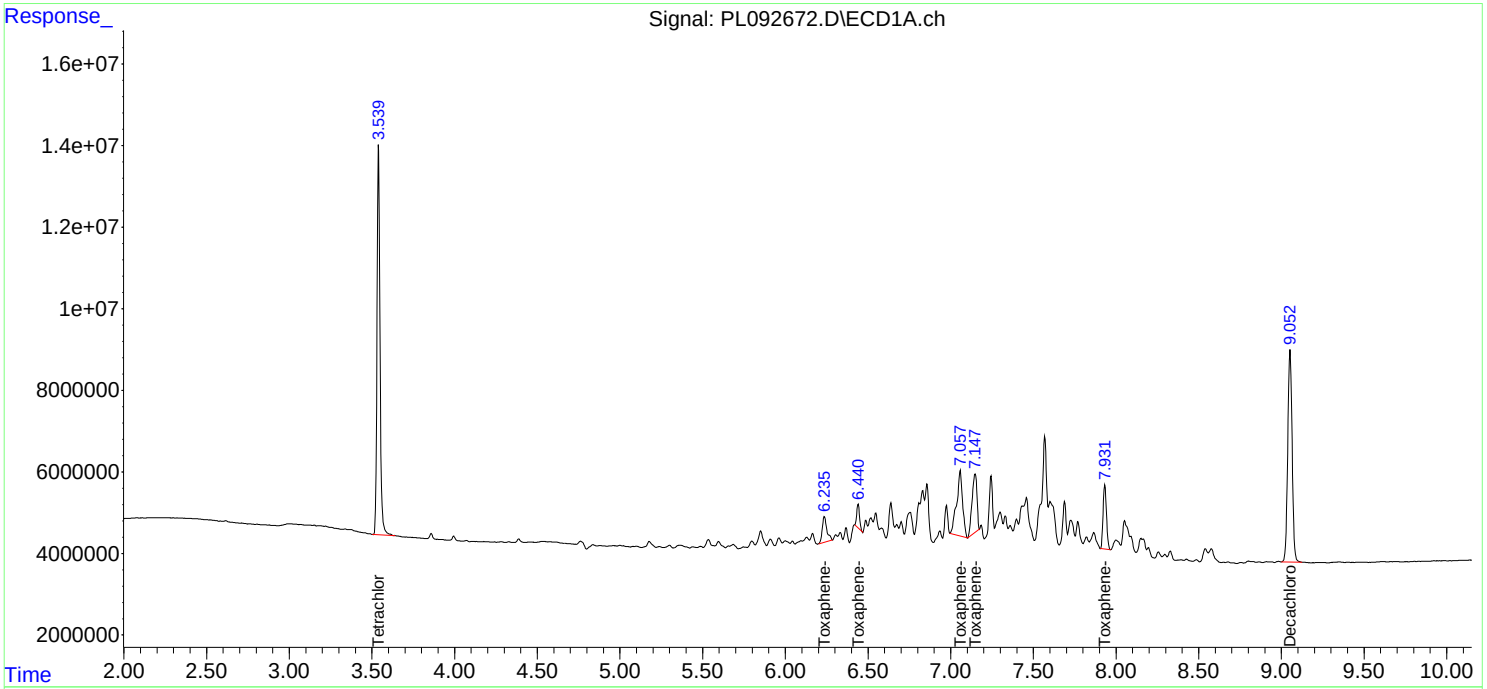
ICAL Form

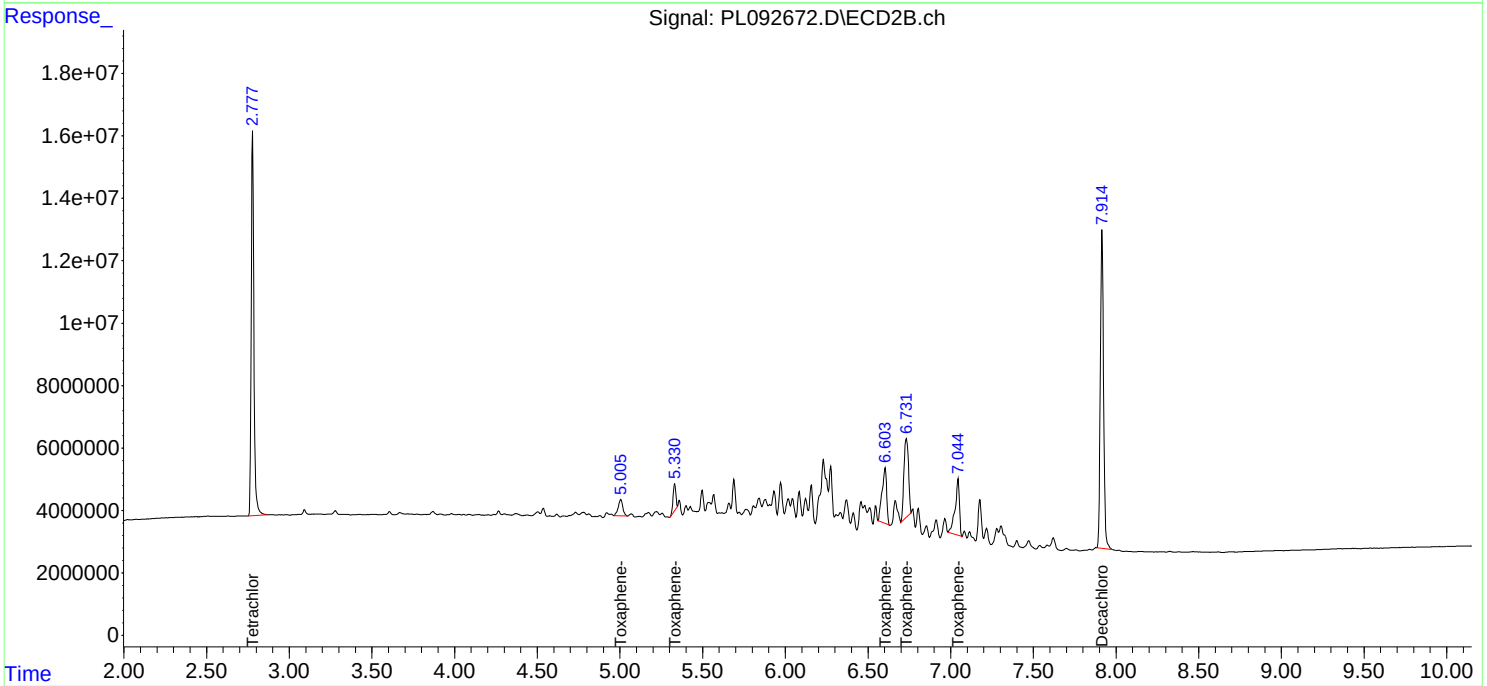
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092672.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 18:57
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL102824TOX

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 19:11:19 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:04:49 2024
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





Raw Data: **PL092800.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 14:29 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092800.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 14:29 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092800.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/01/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092800.D **Time Analyzed:** 14:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.713	6.610	6.810	51.260	50.000	2.5
4,4'-DDE	6.195	6.093	6.293	50.900	50.000	1.8
4,4'-DDT	7.027	6.923	7.123	49.960	50.000	-0.1
Aldrin	5.260	5.158	5.358	51.100	50.000	2.2
alpha-BHC	3.998	3.896	4.096	52.100	50.000	4.2
alpha-Chlordane	6.022	5.919	6.119	50.800	50.000	1.6
beta-BHC	4.528	4.425	4.625	51.310	50.000	2.6
Decachlorobiphenyl	9.059	8.954	9.154	49.300	50.000	-1.4
delta-BHC	4.775	4.672	4.872	52.010	50.000	4.0
Dieldrin	6.347	6.245	6.445	50.860	50.000	1.7
Endosulfan I	6.072	5.970	6.170	50.520	50.000	1.0
Endosulfan II	6.797	6.694	6.894	49.360	50.000	-1.3
Endosulfan sulfate	7.162	7.058	7.258	49.620	50.000	-0.8
Endrin	6.577	6.474	6.674	50.060	50.000	0.1
Endrin aldehyde	6.927	6.824	7.024	49.870	50.000	-0.3
Endrin ketone	7.646	7.543	7.743	49.670	50.000	-0.7
gamma-BHC (Lindane)	4.330	4.228	4.428	52.020	50.000	4.0
gamma-Chlordane	5.943	5.841	6.041	50.730	50.000	1.5
Heptachlor	4.919	4.817	5.017	51.570	50.000	3.1
Heptachlor epoxide	5.686	5.584	5.784	50.230	50.000	0.5
Methoxychlor	7.503	7.399	7.599	49.760	50.000	-0.5
Tetrachloro-m-xylene	3.542	3.440	3.640	51.490	50.000	3.0

Raw Data: **PL092800.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL01 **Date Analyzed:** 11/01/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092800.D **Time Analyzed:** 14:29

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	55.140	50.000	10.3
4,4'-DDE	5.235	5.135	5.335	54.620	50.000	9.2
4,4'-DDT	6.041	5.940	6.140	54.870	50.000	9.7
Aldrin	4.230	4.129	4.329	54.930	50.000	9.9
alpha-BHC	3.281	3.181	3.381	54.590	50.000	9.2
alpha-Chlordane	5.046	4.945	5.145	54.530	50.000	9.1
beta-BHC	3.911	3.810	4.010	53.180	50.000	6.4
Decachlorobiphenyl	7.918	7.816	8.016	52.880	50.000	5.8
delta-BHC	4.140	4.039	4.239	54.930	50.000	9.9
Dieldrin	5.367	5.266	5.466	55.010	50.000	10.0
Endosulfan I	5.102	5.002	5.202	54.180	50.000	8.4
Endosulfan II	5.937	5.836	6.036	54.800	50.000	9.6
Endosulfan sulfate	6.340	6.238	6.438	54.130	50.000	8.3
Endrin	5.643	5.541	5.741	56.150	50.000	12.3
Endrin aldehyde	6.117	6.015	6.215	53.630	50.000	7.3
Endrin ketone	6.845	6.743	6.943	54.330	50.000	8.7
gamma-BHC (Lindane)	3.611	3.511	3.711	54.760	50.000	9.5
gamma-Chlordane	4.983	4.882	5.082	54.470	50.000	8.9
Heptachlor	3.950	3.849	4.049	54.850	50.000	9.7
Heptachlor epoxide	4.733	4.632	4.832	54.740	50.000	9.5
Methoxychlor	6.617	6.515	6.715	54.270	50.000	8.5
Tetrachloro-m-xylene	2.778	2.678	2.878	52.780	50.000	5.6

Quantitation Report (QT Reviewed)

Sample Results: **PL092800.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092800.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:41:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.542	2.778	126.2E6	143.6E6	51.489	52.781
28) SA	Decachlor...	9.059	7.918	94883719	144.3E6	49.302	52.885
	Target Compounds						
2) A	alpha-BHC	3.998	3.281	176.7E6	217.8E6	52.098	54.588
3) MA	gamma-BHC...	4.330	3.611	169.6E6	211.3E6	52.024	54.759
4) MA	Heptachlor	4.919	3.950	154.9E6	207.0E6	51.575	54.847
5) MB	Aldrin	5.260	4.230	153.4E6	201.0E6	51.096	54.928
6) B	beta-BHC	4.528	3.911	74166218	87541423	51.310	53.176
7) B	delta-BHC	4.775	4.140	162.8E6	211.1E6	52.006	54.926
8) B	Heptachlo...	5.686	4.733	138.7E6	182.9E6	50.230	54.742
9) A	Endosulfan I	6.072	5.102	126.4E6	165.4E6	50.525	54.182
10) B	gamma-Chl...	5.943	4.983	135.0E6	183.1E6	50.731	54.467
11) B	alpha-Chl...	6.022	5.046	134.5E6	181.4E6	50.798	54.534
12) B	4,4'-DDE	6.195	5.235	120.6E6	175.9E6	50.900	54.615
13) MA	Dieldrin	6.347	5.367	134.0E6	183.7E6	50.862	55.009
14) MA	Endrin	6.577	5.643	114.0E6	162.4E6	50.059	56.146
15) B	Endosulfa...	6.797	5.937	117.7E6	155.3E6	49.360	54.800
16) A	4,4'-DDD	6.713	5.791	98392599	137.3E6	51.259	55.136
17) MA	4,4'-DDT	7.027	6.041	103.4E6	147.2E6	49.956	54.873
18) B	Endrin al...	6.927	6.117	93660100	123.7E6	49.873	53.631
19) B	Endosulfa...	7.162	6.340	107.7E6	146.0E6	49.615	54.127
20) A	Methoxychlor	7.503	6.617	56729001	77497286	49.762	54.269
21) B	Endrin ke...	7.646	6.845	120.3E6	166.7E6	49.670	54.330
22)	Mirex	8.120	7.026	96076958	136.1E6	48.482	52.149

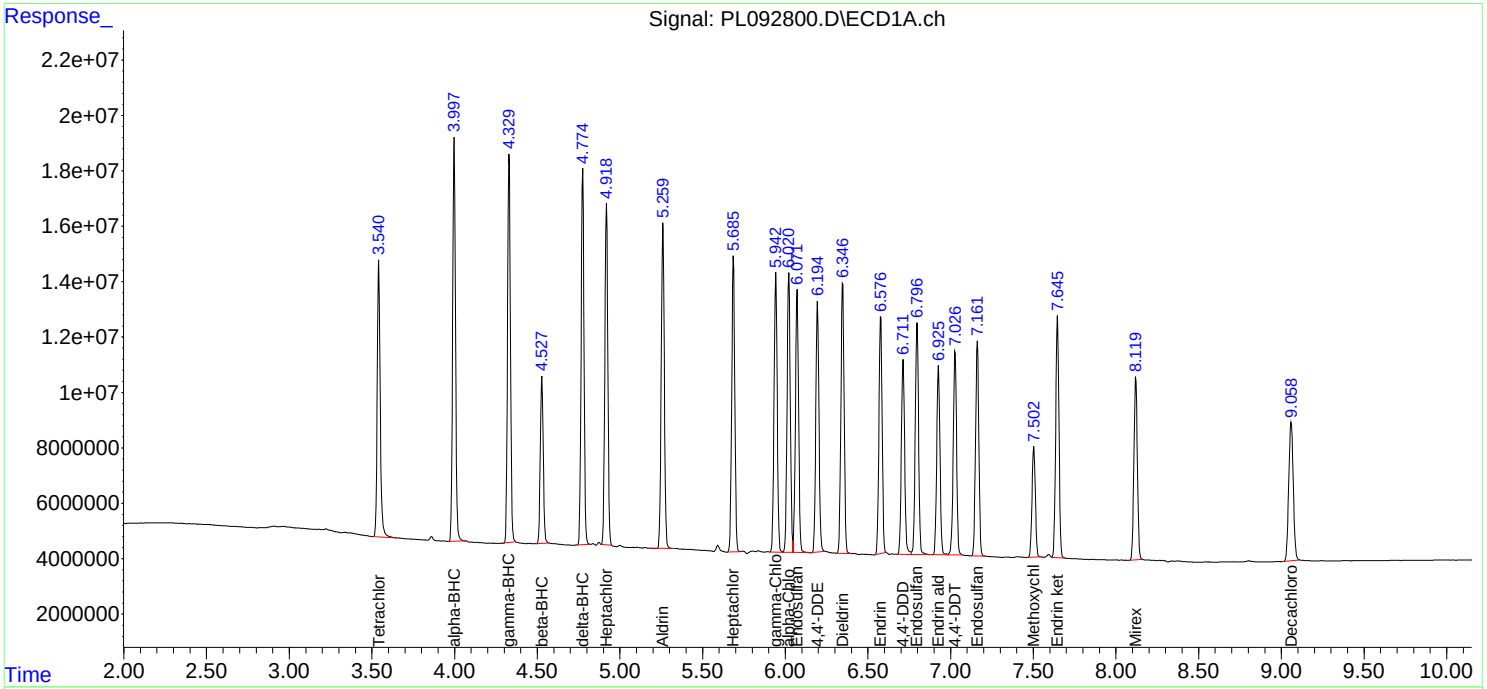
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

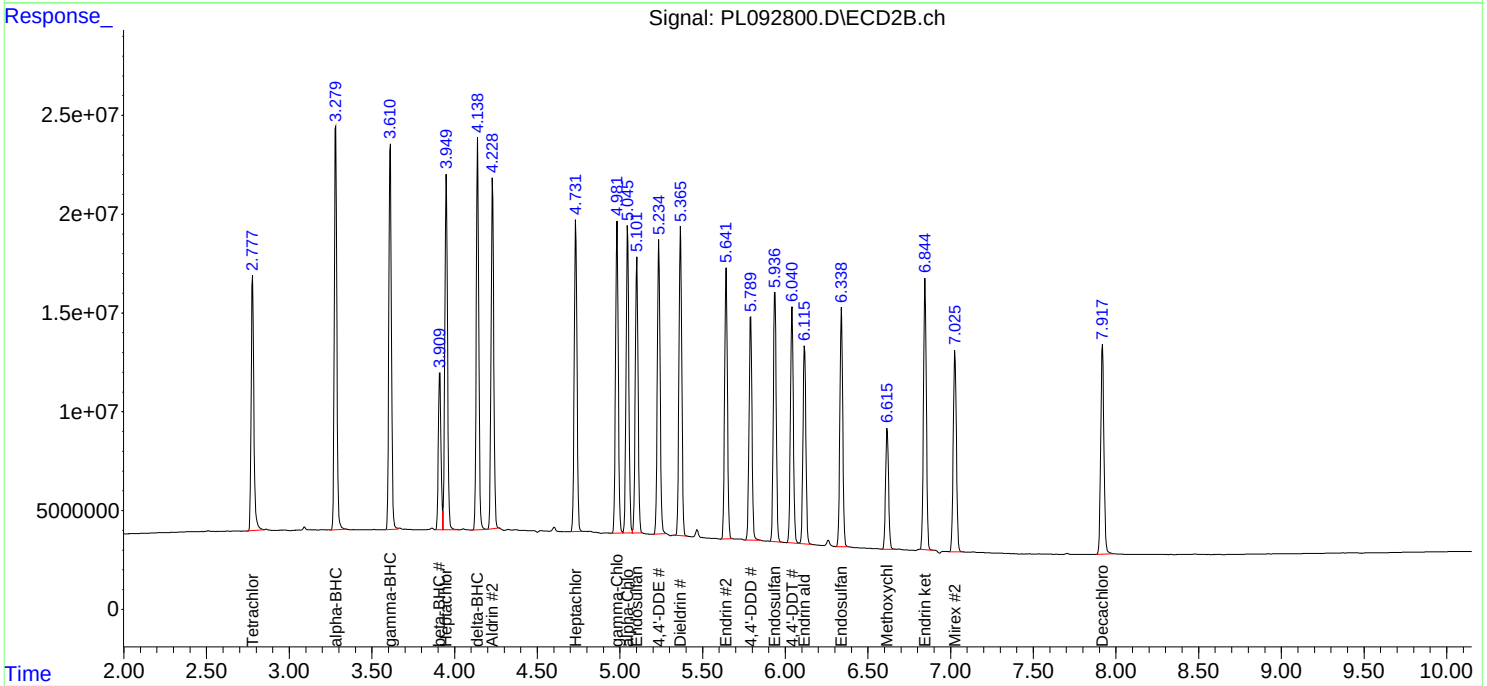
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092800.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:29
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:41:30 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092813.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:38 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	9.06	9.05	8.95	9.15	-0.01
Tetrachloro-m-xylene	3.54	3.54	3.44	3.64	0.00
alpha-BHC	4.00	4.00	3.90	4.10	0.00
beta-BHC	4.53	4.53	4.43	4.63	0.00
delta-BHC	4.78	4.77	4.67	4.87	-0.01
gamma-BHC (Lindane)	4.33	4.33	4.23	4.43	0.00
Heptachlor	4.92	4.92	4.82	5.02	0.00
Aldrin	5.26	5.26	5.16	5.36	0.00
Heptachlor epoxide	5.69	5.68	5.58	5.78	-0.01
Endosulfan I	6.07	6.07	5.97	6.17	0.00
Dieldrin	6.35	6.35	6.25	6.45	0.00
4,4'-DDE	6.20	6.19	6.09	6.29	-0.01
Endrin	6.58	6.57	6.47	6.67	-0.01
Endosulfan II	6.80	6.79	6.69	6.89	-0.01
4,4'-DDD	6.71	6.71	6.61	6.81	0.00
Endosulfan sulfate	7.16	7.16	7.06	7.26	0.00
4,4'-DDT	7.03	7.02	6.92	7.12	-0.01
Methoxychlor	7.50	7.50	7.40	7.60	0.00
Endrin ketone	7.65	7.64	7.54	7.74	-0.01
Endrin aldehyde	6.93	6.92	6.82	7.02	-0.01
alpha-Chlordane	6.02	6.02	5.92	6.12	0.00
gamma-Chlordane	5.94	5.94	5.84	6.04	0.00

Raw Data: **PL092813.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Continuing Calib Date: 11/01/2024 **Initial Calibration Date(s):** 10/28/2024 10/28/2024

Continuing Calib Time: 17:38 **Initial Calibration Time(s):** 14:43 15:36

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	7.92	7.92	7.82	8.02	0.00
Tetrachloro-m-xylene	2.78	2.78	2.68	2.88	0.00
alpha-BHC	3.28	3.28	3.18	3.38	0.00
beta-BHC	3.91	3.91	3.81	4.01	0.00
delta-BHC	4.14	4.14	4.04	4.24	0.00
gamma-BHC (Lindane)	3.61	3.61	3.51	3.71	0.00
Heptachlor	3.95	3.95	3.85	4.05	0.00
Aldrin	4.23	4.23	4.13	4.33	0.00
Heptachlor epoxide	4.73	4.73	4.63	4.83	0.00
Endosulfan I	5.10	5.10	5.00	5.20	0.00
Dieldrin	5.37	5.37	5.27	5.47	0.00
4,4'-DDE	5.24	5.24	5.14	5.34	0.00
Endrin	5.64	5.64	5.54	5.74	0.00
Endosulfan II	5.94	5.94	5.84	6.04	0.00
4,4'-DDD	5.79	5.79	5.69	5.89	0.00
Endosulfan sulfate	6.34	6.34	6.24	6.44	0.00
4,4'-DDT	6.04	6.04	5.94	6.14	0.00
Methoxychlor	6.62	6.62	6.52	6.72	0.00
Endrin ketone	6.85	6.84	6.74	6.94	0.00
Endrin aldehyde	6.12	6.12	6.02	6.22	0.00
alpha-Chlordane	5.05	5.05	4.95	5.15	0.00
gamma-Chlordane	4.98	4.98	4.88	5.08	0.00

Raw Data: **PL092813.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/01/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092813.D **Time Analyzed:** 17:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	6.714	6.610	6.810	51.110	50.000	2.2
4,4'-DDE	6.196	6.093	6.293	50.280	50.000	0.6
4,4'-DDT	7.027	6.923	7.123	47.950	50.000	-4.1
Aldrin	5.261	5.158	5.358	49.900	50.000	-0.2
alpha-BHC	3.998	3.896	4.096	52.050	50.000	4.1
alpha-Chlordane	6.023	5.919	6.119	49.350	50.000	-1.3
beta-BHC	4.528	4.425	4.625	51.060	50.000	2.1
Decachlorobiphenyl	9.059	8.954	9.154	48.010	50.000	-4.0
delta-BHC	4.776	4.672	4.872	51.620	50.000	3.2
Dieldrin	6.348	6.245	6.445	49.300	50.000	-1.4
Endosulfan I	6.073	5.970	6.170	49.270	50.000	-1.5
Endosulfan II	6.798	6.694	6.894	47.690	50.000	-4.6
Endosulfan sulfate	7.162	7.058	7.258	47.690	50.000	-4.6
Endrin	6.578	6.474	6.674	48.210	50.000	-3.6
Endrin aldehyde	6.928	6.824	7.024	48.300	50.000	-3.4
Endrin ketone	7.647	7.543	7.743	47.920	50.000	-4.2
gamma-BHC (Lindane)	4.331	4.228	4.428	51.720	50.000	3.4
gamma-Chlordane	5.943	5.841	6.041	49.530	50.000	-0.9
Heptachlor	4.919	4.817	5.017	50.590	50.000	1.2
Heptachlor epoxide	5.688	5.584	5.784	49.630	50.000	-0.7
Methoxychlor	7.503	7.399	7.599	48.250	50.000	-3.5
Tetrachloro-m-xylene	3.542	3.440	3.640	51.120	50.000	2.2

Raw Data: **PL092813.D**

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

CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No.: CCAL02 **Date Analyzed:** 11/01/2024

Lab Sample No.: PSTDCCC050 **Data File :** PL092813.D **Time Analyzed:** 17:38

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	5.791	5.689	5.889	55.120	50.000	10.2
4,4'-DDE	5.236	5.135	5.335	53.920	50.000	7.8
4,4'-DDT	6.041	5.940	6.140	51.960	50.000	3.9
Aldrin	4.230	4.129	4.329	55.260	50.000	10.5
alpha-BHC	3.281	3.181	3.381	55.240	50.000	10.5
alpha-Chlordane	5.047	4.945	5.145	53.720	50.000	7.4
beta-BHC	3.911	3.810	4.010	53.710	50.000	7.4
Decachlorobiphenyl	7.918	7.816	8.016	48.450	50.000	-3.1
delta-BHC	4.140	4.039	4.239	55.360	50.000	10.7
Dieldrin	5.367	5.266	5.466	53.510	50.000	7.0
Endosulfan I	5.103	5.002	5.202	53.110	50.000	6.2
Endosulfan II	5.938	5.836	6.036	53.360	50.000	6.7
Endosulfan sulfate	6.340	6.238	6.438	51.790	50.000	3.6
Endrin	5.643	5.541	5.741	54.350	50.000	8.7
Endrin aldehyde	6.117	6.015	6.215	51.480	50.000	3.0
Endrin ketone	6.845	6.743	6.943	51.740	50.000	3.5
gamma-BHC (Lindane)	3.611	3.511	3.711	55.260	50.000	10.5
gamma-Chlordane	4.983	4.882	5.082	54.020	50.000	8.0
Heptachlor	3.950	3.849	4.049	54.920	50.000	9.8
Heptachlor epoxide	4.733	4.632	4.832	54.550	50.000	9.1
Methoxychlor	6.617	6.515	6.715	50.610	50.000	1.2
Tetrachloro-m-xylene	2.778	2.678	2.878	53.690	50.000	7.4

Quantitation Report (QT Reviewed)

Sample Results: **PL092813.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092813.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:46:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	125.3E6	146.1E6	51.123	53.694
28)	SA Decachlor...	9.059	7.918	92397511	132.2E6	48.010	48.454
	Target Compounds						
2)	A alpha-BHC	3.998	3.281	176.5E6	220.4E6	52.050	55.239
3)	MA gamma-BHC...	4.331	3.611	168.6E6	213.3E6	51.722	55.259
4)	MA Heptachlor	4.919	3.950	151.9E6	207.3E6	50.590	54.920
5)	MB Aldrin	5.261	4.230	149.8E6	202.3E6	49.904	55.257
6)	B beta-BHC	4.528	3.911	73806187	88422704	51.061	53.712
7)	B delta-BHC	4.776	4.140	161.6E6	212.7E6	51.623	55.357
8)	B Heptachlo...	5.688	4.733	137.1E6	182.3E6	49.633	54.548
9)	A Endosulfan I	6.073	5.103	123.2E6	162.1E6	49.272	53.108
10)	B gamma-Chl...	5.943	4.983	131.8E6	181.6E6	49.533	54.016
11)	B alpha-Chl...	6.023	5.047	130.7E6	178.7E6	49.354	53.724
12)	B 4,4'-DDE	6.196	5.236	119.1E6	173.7E6	50.284	53.919
13)	MA Dieldrin	6.348	5.367	129.9E6	178.7E6	49.299	53.508
14)	MA Endrin	6.578	5.643	109.8E6	157.2E6	48.215	54.346
15)	B Endosulfa...	6.798	5.938	113.7E6	151.2E6	47.686	53.363
16)	A 4,4'-DDD	6.714	5.791	98098569	137.2E6	51.106	55.118
17)	MA 4,4'-DDT	7.027	6.041	99253508	139.4E6	47.954	51.960
18)	B Endrin al...	6.928	6.117	90713815	118.8E6	48.304	51.483
19)	B Endosulfa...	7.162	6.340	103.5E6	139.7E6	47.695	51.792
20)	A Methoxychlor	7.503	6.617	55002241	72277260	48.248	50.613
21)	B Endrin ke...	7.647	6.845	116.1E6	158.8E6	47.916	51.742
22)	Mirex	8.121	7.027	91460829	130.0E6	46.153	49.832

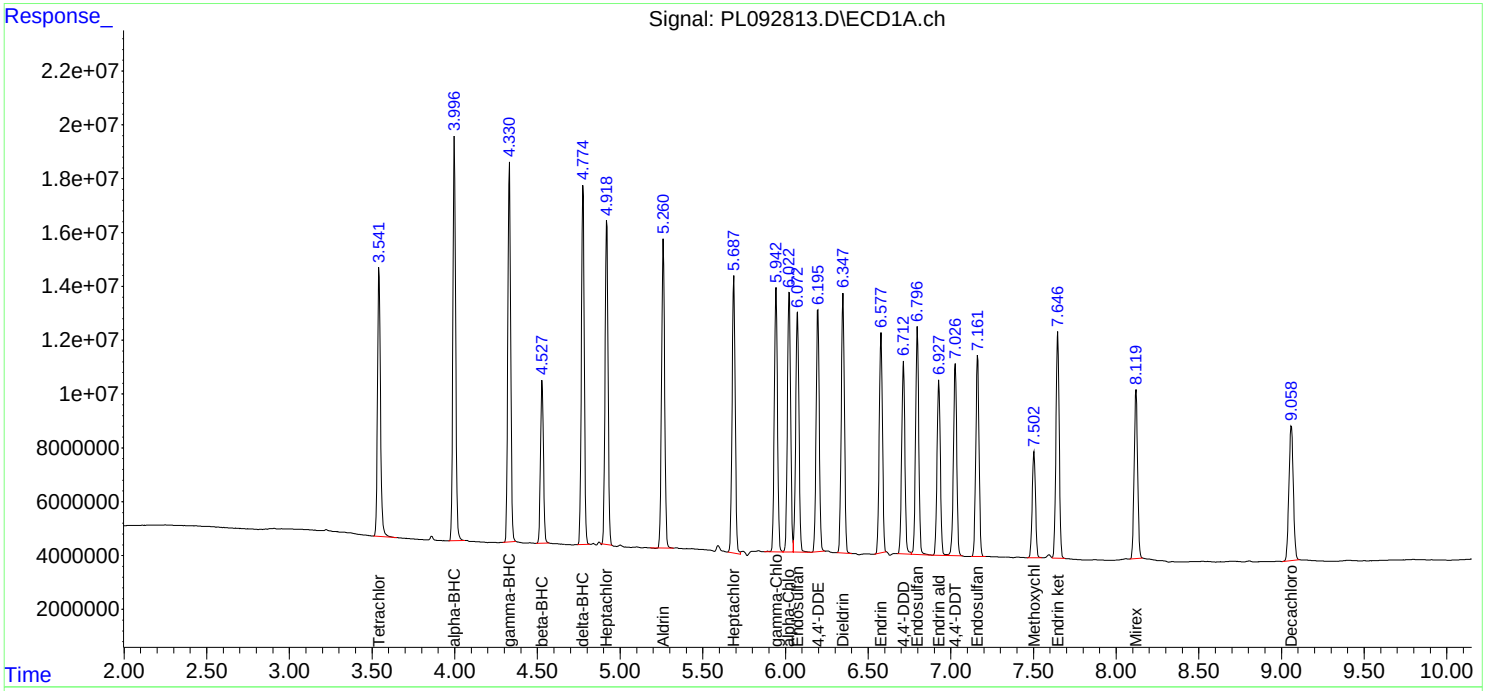
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

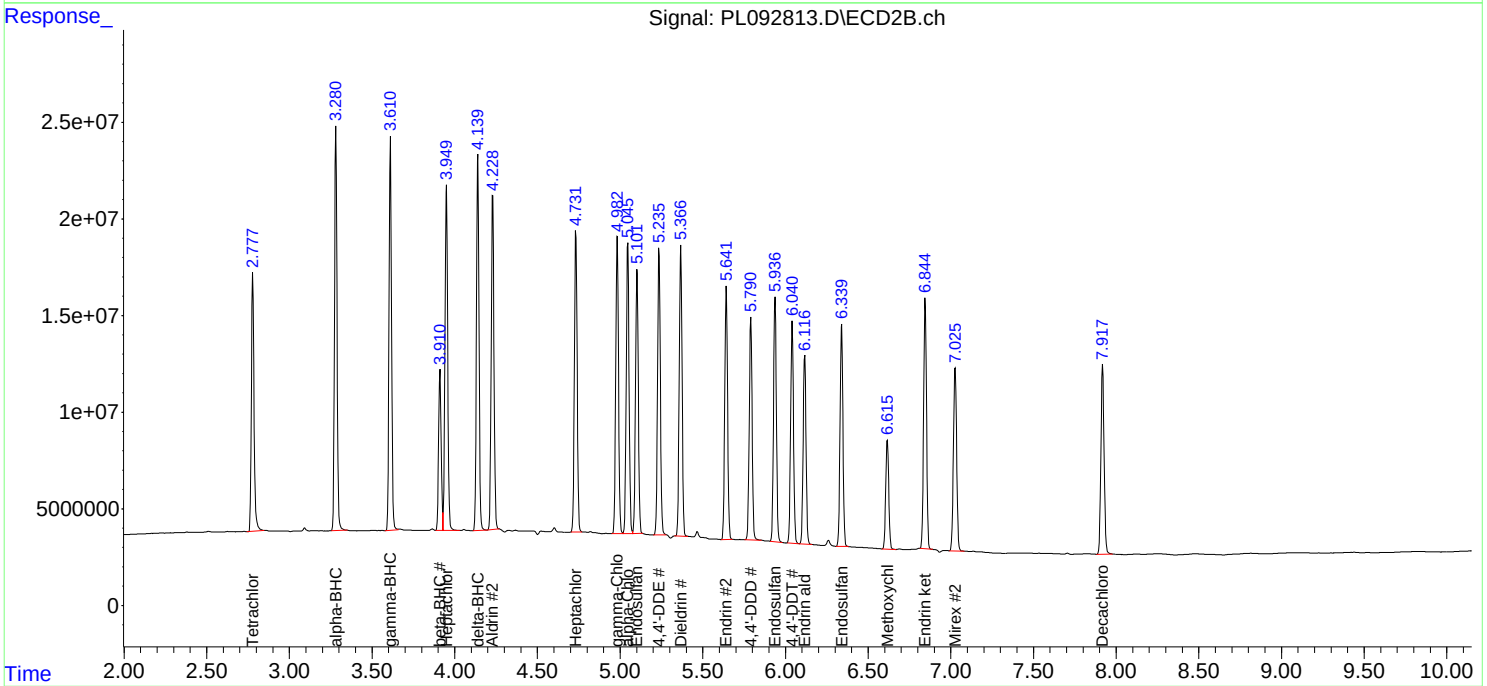
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092813.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:38
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:46:09 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.059	8.960	9.160	19.970	20.000	-0.2
Tetrachloro-m-xylene	3.546	3.500	3.600	19.290	20.000	-3.6
alpha-BHC	4.001	3.950	4.050	9.920	10.000	-0.8
beta-BHC	4.531	4.480	4.580	10.060	10.000	0.6
gamma-BHC (Lindane)	4.334	4.280	4.380	9.660	10.000	-3.4
Endrin	6.580	6.510	6.650	41.060	50.000	-17.9
4,4'-DDT	7.030	6.960	7.100	88.060	100.000	-11.9
Methoxychlor	7.505	7.430	7.580	204.090	250.000	-18.4

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092653.D **Date Analyzed:** 10/28/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 14:16

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.918	7.820	8.020	19.080	20.000	-4.6
Tetrachloro-m-xylene	2.778	2.730	2.830	18.500	20.000	-7.5
alpha-BHC	3.281	3.230	3.330	8.630	10.000	-13.7
beta-BHC	3.911	3.860	3.960	9.760	10.000	-2.4
gamma-BHC (Lindane)	3.611	3.560	3.660	8.390	10.000	-16.1
Endrin	5.643	5.570	5.710	44.130	50.000	-11.7
4,4'-DDT	6.042	5.970	6.110	98.070	100.000	-1.9
Methoxychlor	6.616	6.550	6.690	225.800	250.000	-9.7

PEM

Data File: PL092653.D **Date Acquired** 10/28/2024 14:16

Operator: AR\AJ

ENDRIN BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down** Down
Endrin	6.58	93472858.4	100627495.1	7154636.74	**7.11**
Endrin aldehyde	6.93	2255618.869			
Endrin ketone	7.65	4899017.868			

Column #2

Name	**RT**	**Response**	**Response [E+EA+EK]**	**Response [EA+EK]**	**% Break Down**
Endrin #2	5.64	127670048.1	136276212.4	8606164.28	**6.32**
Endrin aldehyde #2	6.12	3697589.438			
Endrin ketone #2	6.84	4908574.846			

DDT BREAK DOWN

Column #1

Name	**RT**	**Response**	**Response [DDT+DDE+DDD]**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT	7.03	182263263.3	183689930.4	1426667.08	**0.78**
4,4'-DDE	0.00	0			
4,4'-DDD	6.72	1426667.076			

Column #2

Name	**RT**	**Response**	**Response [DDT+DDE+DDD]**	**Response [DDE+DDD]**	**% Break Down**
4,4'-DDT #2	6.04	263061944.1	264286032.2	1224088.02	**0.46**
4,4'-DDE #2	0.00	0			
4,4'-DDD #2	5.79	1224088.016			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.546	2.778	47253047	50346316	19.285	18.502
28) SA	Decachlor...	9.059	7.918	38436874	52072459	19.972	19.079
	Target Compounds						
2) A	alpha-BHC	4.001	3.281	33636067	34444224	9.918	8.632
3) MA	gamma-BHC...	4.334	3.611	31492360	32364466	9.662	8.386
6) B	beta-BHC	4.531	3.911	14540729	16063325	10.060	9.758
14) MA	Endrin	6.580	5.643	93472858	127.7E6	41.057	44.131
16) A	4,4'-DDD	6.718	5.791	1426667	1224088	0.743m	0.492m#
17) MA	4,4'-DDT	7.030	6.042	182.3E6	263.1E6	88.060	98.075
18) B	Endrin al...	6.930	6.117	2255619	3697589	1.201	1.603 #
20) A	Methoxychlor	7.505	6.616	232.7E6	322.5E6	204.088	225.801
21) B	Endrin ke...	7.648	6.845	4899018	4908575	2.022	1.600

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

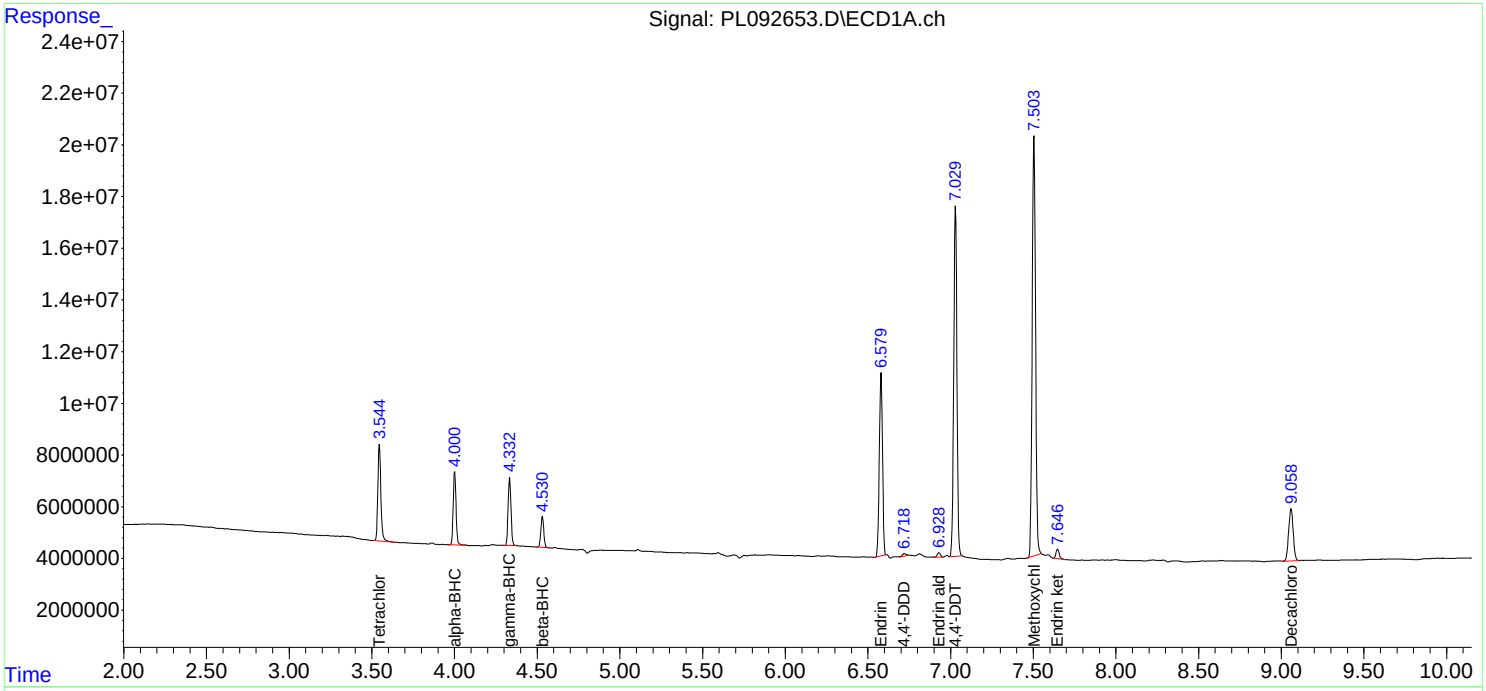
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092653.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:16
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

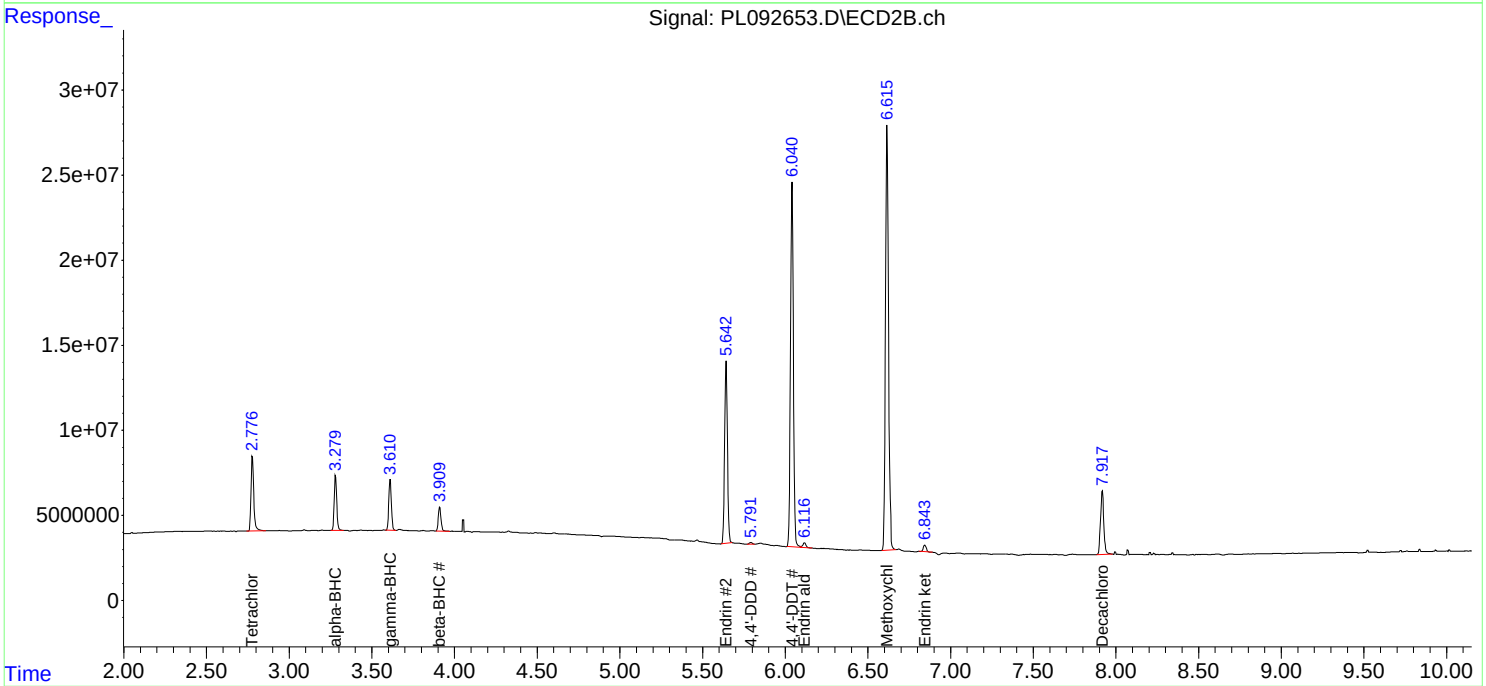
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 10/29/2024
Supervised By :Ankita Jodhani 10/29/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:12 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092788.D **Date Analyzed:** 11/01/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:43

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	9.057	8.960	9.160	20.940	20.000	4.7
Tetrachloro-m-xylene	3.541	3.490	3.590	21.750	20.000	8.8
alpha-BHC	3.997	3.950	4.050	11.350	10.000	13.5
beta-BHC	4.527	4.480	4.580	11.540	10.000	15.4
gamma-BHC (Lindane)	4.330	4.280	4.380	11.170	10.000	11.7
Endrin	6.577	6.510	6.650	46.250	50.000	-7.5
4,4'-DDT	7.026	6.960	7.100	94.880	100.000	-5.1
Methoxychlor	7.503	7.430	7.570	217.230	250.000	-13.1

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 10/28/2024 10/28/2024

Client Sample No. (PEM): PEM - PL092788.D **Date Analyzed:** 11/01/2024

Lab Sample No.(PEM): PEM **Time Analyzed:** 11:43

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	7.919	7.820	8.020	21.510	20.000	7.6
Tetrachloro-m-xylene	2.779	2.730	2.830	20.950	20.000	4.8
alpha-BHC	3.281	3.230	3.330	10.060	10.000	0.6
beta-BHC	3.911	3.860	3.960	11.200	10.000	12.0
gamma-BHC (Lindane)	3.612	3.560	3.660	9.800	10.000	-2.0
Endrin	5.643	5.570	5.710	52.500	50.000	5.0
4,4'-DDT	6.042	5.970	6.110	113.340	100.000	13.3
Methoxychlor	6.617	6.550	6.690	254.450	250.000	1.8

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 11:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 13:14:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.541	2.779	53301292	57005571	21.754	20.949
28) SA	Decachlor...	9.057	7.919	40292138	58711023	20.936	21.512
	Target Compounds						
2) A	alpha-BHC	3.997	3.281	38484640	40159420	11.347	10.065
3) MA	gamma-BHC...	4.330	3.612	36423598	37808258	11.174	9.796
6) B	beta-BHC	4.527	3.911	16684528	18436766	11.543	11.199
14) MA	Endrin	6.577	5.643	105.3E6	151.9E6	46.254	52.504
16) A	4,4'-DDD	6.712	5.792	1939656	2816418	1.010m	1.131
17) MA	4,4'-DDT	7.026	6.042	196.4E6	304.0E6	94.883	113.342
18) B	Endrin al...	6.925	6.116	2515520	4034945	1.339m	1.749m#
20) A	Methoxychlor	7.503	6.617	247.6E6	363.4E6	217.226	254.447
21) B	Endrin ke...	7.645	6.843	5201957	7415997	2.147	2.417m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092788.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 11:43
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

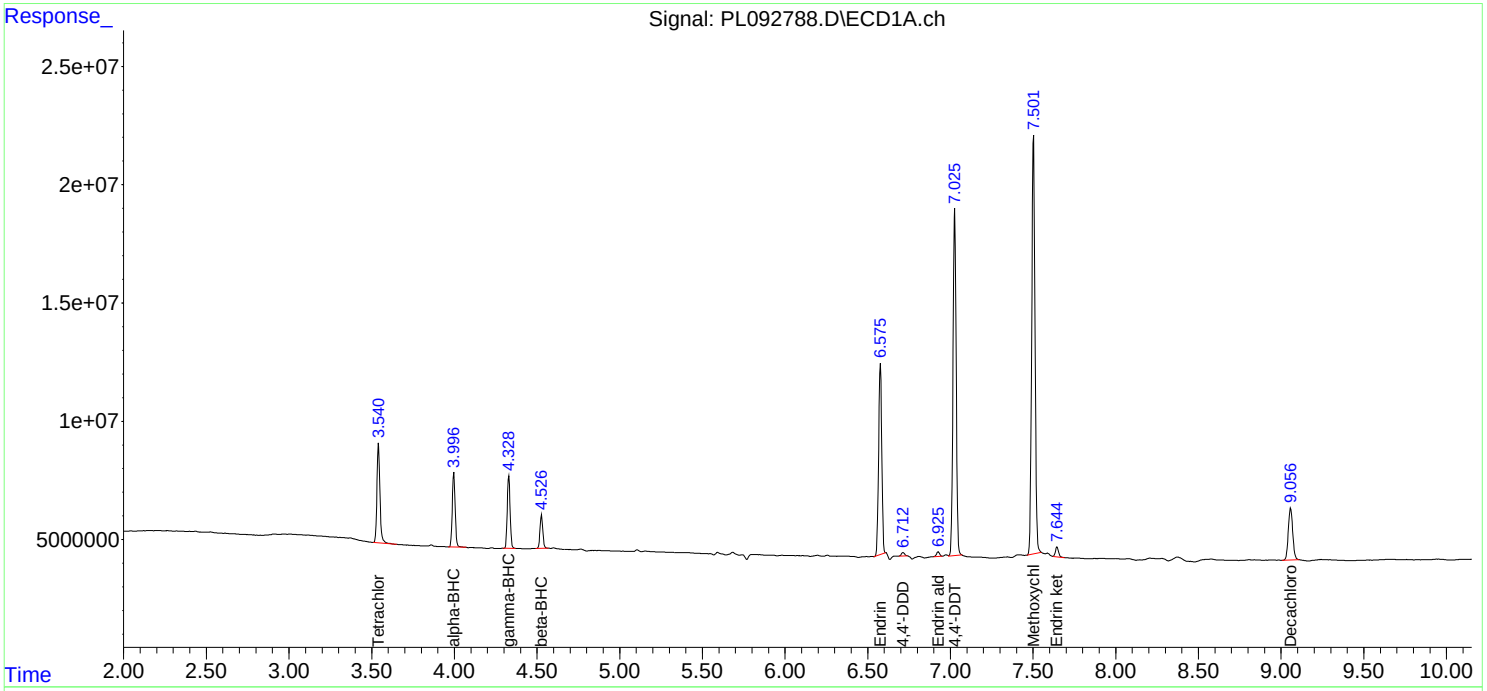
Instrument :
ECD_L
ClientSampleId :
PEM

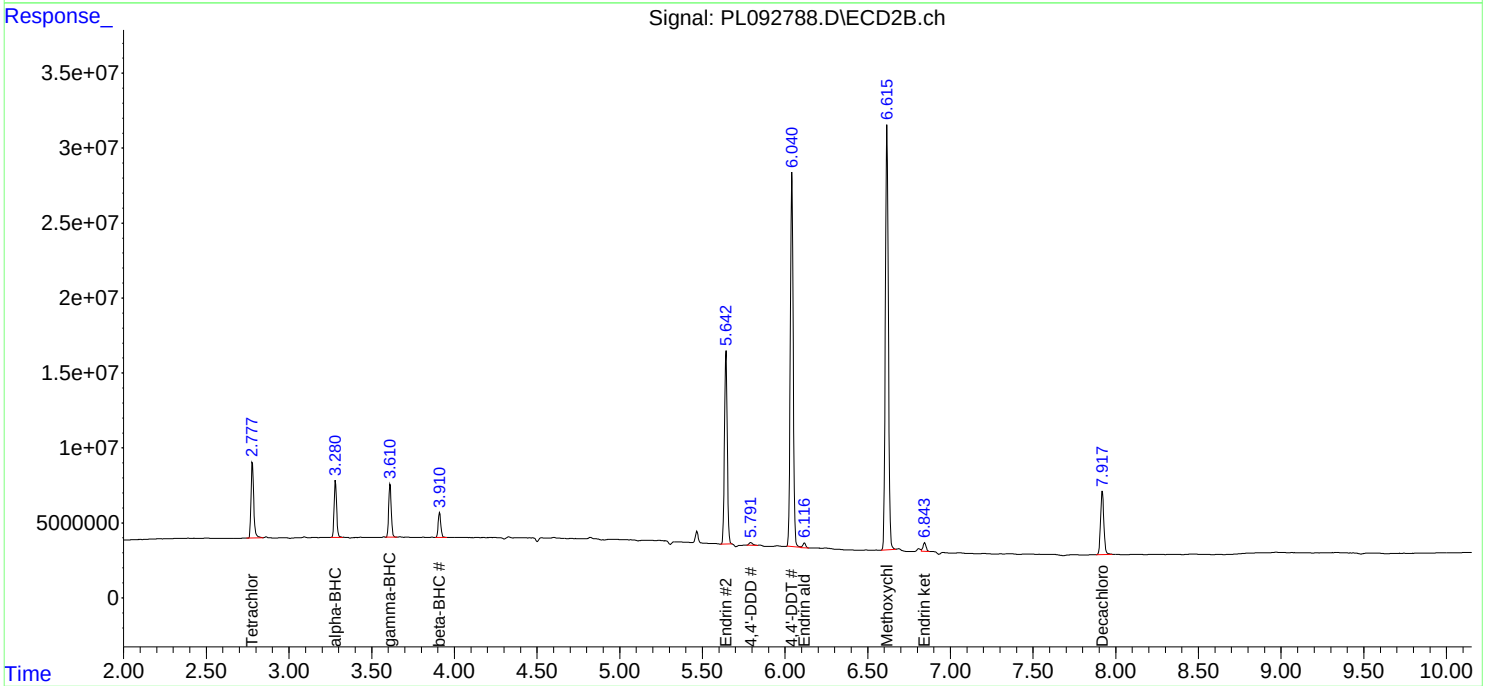
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/01/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 01 13:14:31 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Chromatographic Resolution Report

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Acq On : 28 Oct 2024 14:29
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\PL102824.M
Title : GC Extractables
Last Update : Mon Oct 28 18:58:23 2024
Integrator: ChemStation

RT#1	RT#2	Resolution
3.540	5.940	100.00%
5.940	6.070	100.00%
6.070	6.193	100.00%
6.193	6.345	100.00%
6.345	7.158	100.00%
7.158	7.499	100.00%
7.499	7.643	100.00%
7.643	9.054	100.00%

Signal #2

2.778	4.982	100.00%
4.982	5.102	100.00%
5.102	5.235	100.00%
5.235	5.366	100.00%
5.366	6.338	100.00%
6.338	6.615	100.00%
6.615	6.844	100.00%
6.844	7.916	100.00%

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.540	2.778	48587926	52085719	19.830	19.141
28) SA	Decachlor...	9.054	7.916	38629596	53476121	20.072	19.594
	Target Compounds						
9) A	Endosulfan I	6.070	5.102	26602716	28047383	10.635	9.186
10) B	gamma-Chl...	5.940	4.982	28607831	32626788	10.752	9.705
12) B	4,4'-DDE	6.193	5.235	47717989	61582025	20.141	19.115
13) MA	Dieldrin	6.345	5.366	51856039	61668549	19.676	18.462
19) B	Endosulfa...	7.158	6.338	40592527	50485467	18.703	18.720
20) A	Methoxychlor	7.499	6.615	100.3E6	134.2E6	87.976	93.949
21) B	Endrin ke...	7.643	6.844	47240044	57600618	19.498	18.770

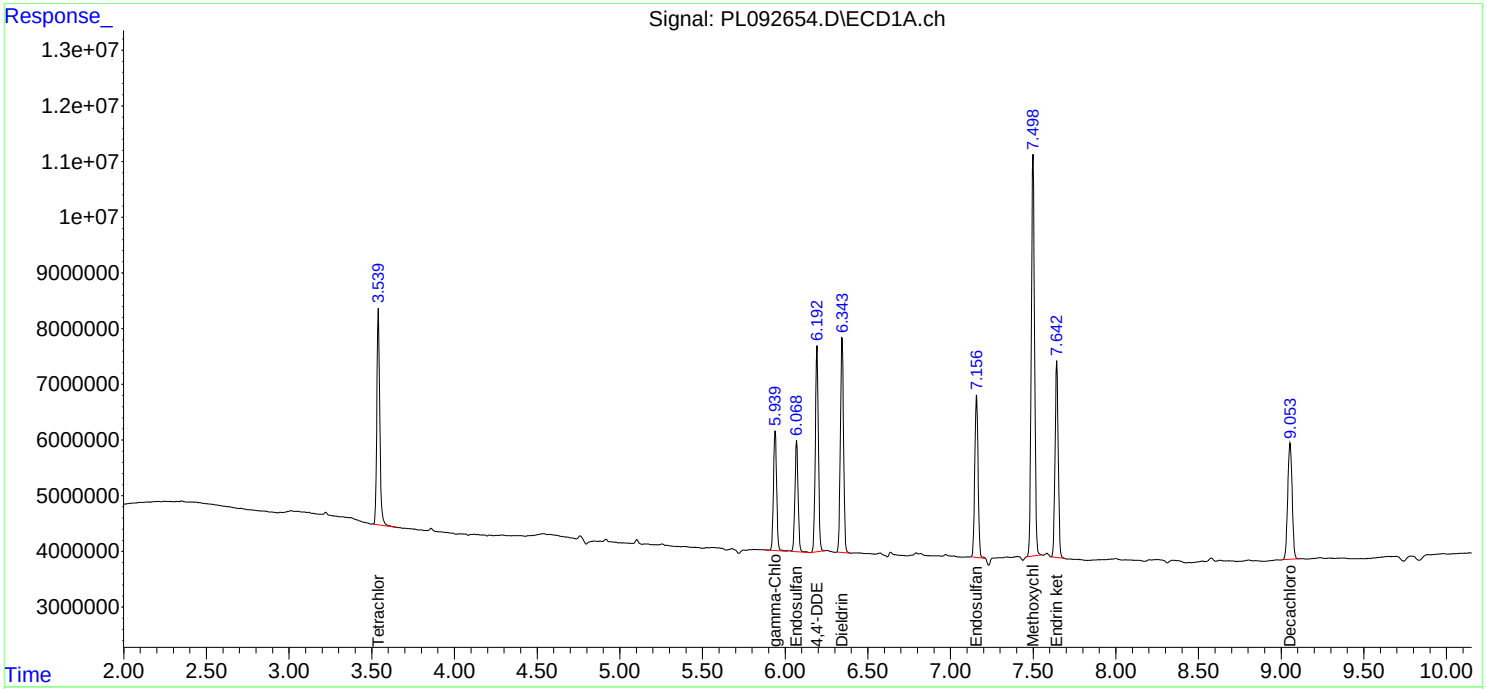
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

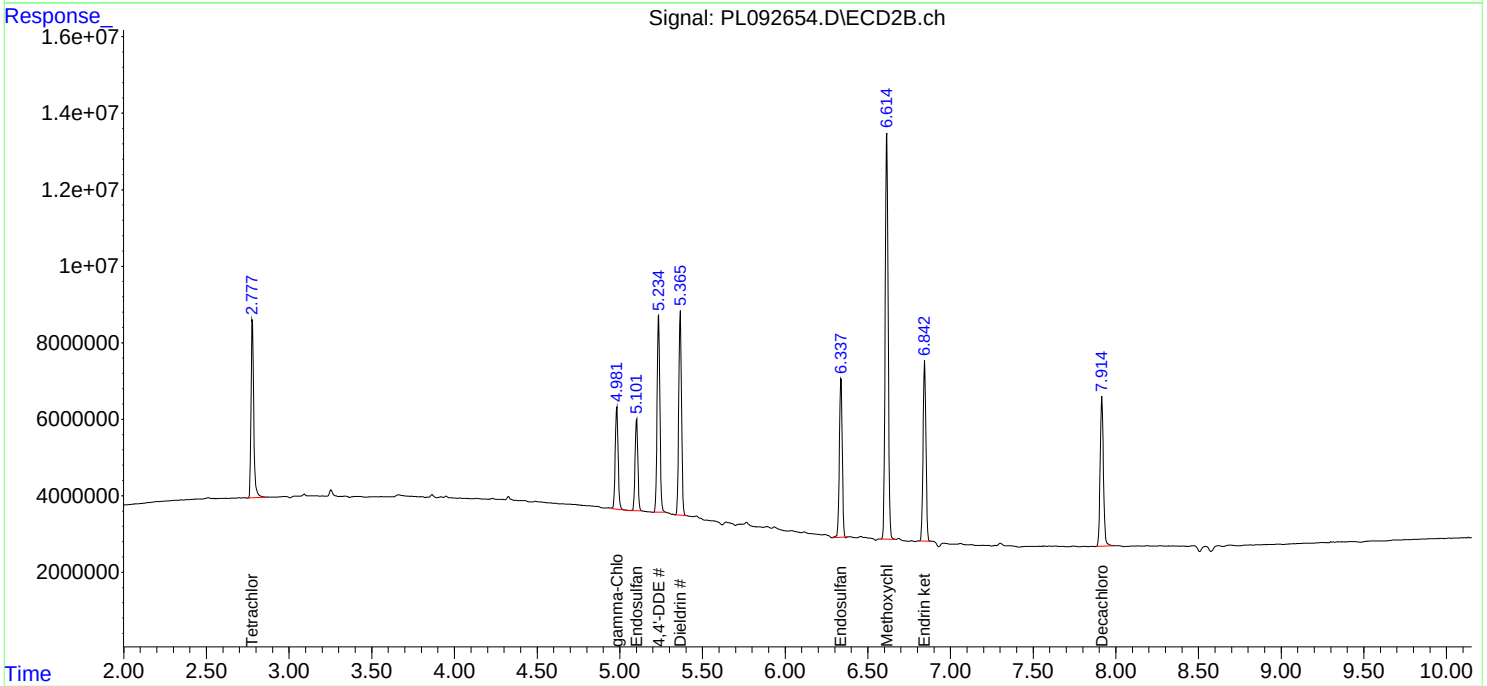
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092654.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 14:29
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:21:40 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Fax : 908 789 8922

Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** P4663

Project: Rt. 10 Whippany **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	9.05	3.54
PEM	PEM	10/28/2024	14:16	PL092653.D	9.06	3.55
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	9.05	3.54
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	9.05	3.54
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	9.05	3.54
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	9.05	3.54
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	9.05	3.54
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	9.05	3.54
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	9.06	3.54
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	9.05	3.54
PEM	PEM	11/01/2024	11:43	PL092788.D	9.06	3.54
I.BLK	I.BLK	11/01/2024	14:15	PL092799.D	9.06	3.54
PSTDCCC050	PSTDCCC050	11/01/2024	14:29	PL092800.D	9.06	3.54
PB164592BL	PB164592BL	11/01/2024	14:47	PL092801.D	9.06	3.55
PB164592BS	PB164592BS	11/01/2024	15:01	PL092802.D	9.06	3.54
TENNANT-PAD-2-3-STOCKPILE	P4663-02	11/01/2024	15:56	PL092806.D	9.06	3.54
RES-BUILDING-PAD-NO-11	P4663-04	11/01/2024	16:10	PL092807.D	9.06	3.54
RES-BUILDING-PAD-NO-3	P4663-06	11/01/2024	16:24	PL092808.D	9.06	3.54
RES-BUILDING-PAD-NO-2	P4663-08	11/01/2024	16:38	PL092809.D	9.06	3.54
RES-BUILDING-PAD-NO-2MS	P4663-08MS	11/01/2024	16:52	PL092810.D	9.06	3.54
RES-BUILDING-PAD-NO-2MSD	P4663-08MSD	11/01/2024	17:06	PL092811.D	9.06	3.54
I.BLK	I.BLK	11/01/2024	17:24	PL092812.D	9.06	3.55
PSTDCCC050	PSTDCCC050	11/01/2024	17:38	PL092813.D	9.06	3.54

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Analytical Sequence

Client: Union Paving & Construction Company **SDG No.:** P4663

Project: Rt. 10 Whippany **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 10/28/2024 10/28/2024

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
I.BLK	I.BLK	10/28/2024	13:55	PL092652.D	7.92	2.78
PEM	PEM	10/28/2024	14:16	PL092653.D	7.92	2.78
RESCHK	RESCHK	10/28/2024	14:29	PL092654.D	7.92	2.78
PSTDICC100	PSTDICC100	10/28/2024	14:43	PL092655.D	7.92	2.78
PSTDICC075	PSTDICC075	10/28/2024	14:56	PL092656.D	7.92	2.78
PSTDICC050	PSTDICC050	10/28/2024	15:09	PL092657.D	7.92	2.78
PSTDICC025	PSTDICC025	10/28/2024	15:23	PL092658.D	7.92	2.78
PSTDICC005	PSTDICC005	10/28/2024	15:36	PL092659.D	7.92	2.78
PCHLORICC500	PCHLORICC500	10/28/2024	16:16	PL092662.D	7.92	2.78
PTOXICC500	PTOXICC500	10/28/2024	17:23	PL092667.D	7.92	2.78
PEM	PEM	11/01/2024	11:43	PL092788.D	7.92	2.78
I.BLK	I.BLK	11/01/2024	14:15	PL092799.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/01/2024	14:29	PL092800.D	7.92	2.78
PB164592BL	PB164592BL	11/01/2024	14:47	PL092801.D	7.92	2.78
PB164592BS	PB164592BS	11/01/2024	15:01	PL092802.D	7.92	2.78
TENNANT-PAD-2-3-STOCKPILE	P4663-02	11/01/2024	15:56	PL092806.D	7.92	2.78
RES-BUILDING-PAD-NO-11	P4663-04	11/01/2024	16:10	PL092807.D	7.92	2.78
RES-BUILDING-PAD-NO-3	P4663-06	11/01/2024	16:24	PL092808.D	7.92	2.78
RES-BUILDING-PAD-NO-2	P4663-08	11/01/2024	16:38	PL092809.D	7.93	2.80
RES-BUILDING-PAD-NO-2MS	P4663-08MS	11/01/2024	16:52	PL092810.D	7.92	2.78
RES-BUILDING-PAD-NO-2MSD	P4663-08MSD	11/01/2024	17:06	PL092811.D	7.92	2.78
I.BLK	I.BLK	11/01/2024	17:24	PL092812.D	7.92	2.78
PSTDCCC050	PSTDCCC050	11/01/2024	17:38	PL092813.D	7.92	2.78

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164592BS

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: PB164592BS **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	17.6	7.7
	2	5.79	5.74	5.84	19.0	
4,4'-DDE	1	6.20	6.15	6.25	17.5	7.2
	2	5.24	5.19	5.29	18.8	
4,4'-DDT	1	7.03	6.98	7.08	18.1	6.4
	2	6.04	5.99	6.09	19.3	
Aldrin	1	5.26	5.21	5.31	16.7	6.4
	2	4.23	4.18	4.28	17.8	
alpha-BHC	1	4.00	3.95	4.05	16.9	4.6
	2	3.28	3.23	3.33	17.7	
alpha-Chlordane	1	6.02	5.97	6.07	17.6	6.1
	2	5.05	5.00	5.10	18.7	
beta-BHC	1	4.53	4.48	4.58	17.2	4.5
	2	3.91	3.86	3.96	18.0	
delta-BHC	1	4.78	4.73	4.83	15.1	3.3
	2	4.14	4.09	4.19	15.6	
Dieldrin	1	6.35	6.30	6.40	17.5	7.7
	2	5.37	5.32	5.42	18.9	
Endosulfan I	1	6.07	6.02	6.12	17.4	7.2
	2	5.10	5.05	5.15	18.7	
Endosulfan II	1	6.80	6.75	6.85	17.3	10.4
	2	5.94	5.89	5.99	19.2	
Endosulfan sulfate	1	7.16	7.11	7.21	17.0	9
	2	6.34	6.29	6.39	18.6	
Endrin	1	6.58	6.53	6.63	17.2	14.1
	2	5.64	5.59	5.69	19.8	
Endrin aldehyde	1	6.93	6.88	6.98	16.9	6.9
	2	6.12	6.07	6.17	18.1	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB164592BS

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: PB164592BS **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.65	7.60	7.70	17.2	8.4
	2	6.85	6.80	6.90	18.7	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	16.7	5.2
	2	3.61	3.56	3.66	17.6	
gamma-Chlordane	1	5.94	5.89	5.99	17.8	6
	2	4.98	4.93	5.03	18.9	
Heptachlor	1	4.92	4.87	4.97	17.7	5.5
	2	3.95	3.90	4.00	18.7	
Heptachlor epoxide	1	5.69	5.64	5.74	17.0	7.9
	2	4.73	4.68	4.78	18.4	
Methoxychlor	1	7.50	7.45	7.55	17.2	8.4
	2	6.62	6.57	6.67	18.7	

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Fax : 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RES-BUILDING-PAD-NO-11

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-04 **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDE	1	6.19	6.14	6.24	0.22	17.8
	2	5.23	5.18	5.28	0.18	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RES-BUILDING-PAD-NO-2MS

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-08MS **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
4,4'-DDD	1	6.71	6.66	6.76	16.3	0.6
	2	5.79	5.74	5.84	16.4	
4,4'-DDE	1	6.20	6.15	6.25	16.3	10.5
	2	5.24	5.19	5.29	18.1	
4,4'-DDT	1	7.03	6.98	7.08	16.0	4.3
	2	6.04	5.99	6.09	16.7	
Aldrin	1	5.26	5.21	5.31	15.8	8.5
	2	4.23	4.18	4.28	17.2	
alpha-BHC	1	4.00	3.95	4.05	14.8	4.6
	2	3.28	3.23	3.33	15.5	
alpha-Chlordane	1	6.02	5.97	6.07	16.3	7.7
	2	5.05	5.00	5.10	17.6	
beta-BHC	1	4.53	4.48	4.58	16.8	5.2
	2	3.91	3.86	3.96	17.7	
delta-BHC	1	4.77	4.72	4.82	4.60	9.1
	2	4.14	4.09	4.19	4.20	
Dieldrin	1	6.35	6.30	6.40	15.9	9.6
	2	5.37	5.32	5.42	17.5	
Endosulfan I	1	6.07	6.02	6.12	16.0	9
	2	5.10	5.05	5.15	17.5	
Endosulfan II	1	6.80	6.75	6.85	15.6	7.4
	2	5.94	5.89	5.99	16.8	
Endosulfan sulfate	1	7.16	7.11	7.21	13.0	3
	2	6.34	6.29	6.39	13.4	
Endrin	1	6.58	6.53	6.63	15.7	12.5
	2	5.64	5.59	5.69	17.8	
Endrin aldehyde	1	6.93	6.88	6.98	15.5	2.5
	2	6.12	6.07	6.17	15.9	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RES-BUILDING-PAD-NO-2MS

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-08MS **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endrin ketone	1	7.65	7.60	7.70	15.4	2.6
	2	6.85	6.80	6.90	15.8	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	14.9	5.2
	2	3.61	3.56	3.66	15.7	
gamma-Chlordane	1	5.94	5.89	5.99	16.6	7
	2	4.98	4.93	5.03	17.8	
Heptachlor	1	4.92	4.87	4.97	16.5	8.1
	2	3.95	3.90	4.00	17.9	
Heptachlor epoxide	1	5.69	5.64	5.74	15.8	7.3
	2	4.73	4.68	4.78	17.0	
Methoxychlor	1	7.50	7.45	7.55	15.9	4.3
	2	6.62	6.57	6.67	16.6	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RES-BUILDING-PAD-NO-2MSD

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-08MSD **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
Endosulfan II	1	6.80	6.75	6.85	15.9	8.4
	2	5.94	5.89	5.99	17.3	
Endosulfan sulfate	1	7.16	7.11	7.21	13.2	3.7
	2	6.34	6.29	6.39	13.7	
Endrin	1	6.58	6.53	6.63	15.8	14.7
	2	5.64	5.59	5.69	18.3	
Endrin aldehyde	1	6.93	6.88	6.98	15.5	2.5
	2	6.12	6.07	6.17	15.9	
Endrin ketone	1	7.65	7.60	7.70	15.8	0.6
	2	6.85	6.80	6.90	15.9	
gamma-BHC (Lindane)	1	4.33	4.28	4.38	15.0	5.2
	2	3.61	3.56	3.66	15.8	
gamma-Chlordane	1	5.94	5.89	5.99	16.4	8.7
	2	4.98	4.93	5.03	17.9	
Heptachlor	1	4.92	4.87	4.97	16.7	6.9
	2	3.95	3.90	4.00	17.9	
Heptachlor epoxide	1	5.69	5.64	5.74	16.0	8.4
	2	4.73	4.68	4.78	17.4	
Methoxychlor	1	7.50	7.45	7.55	16.1	6.6
	2	6.62	6.57	6.67	17.2	
4,4'-DDD	1	6.71	6.66	6.76	16.7	4.1
	2	5.79	5.74	5.84	17.4	
4,4'-DDE	1	6.20	6.15	6.25	16.9	6.3
	2	5.24	5.19	5.29	18.0	
4,4'-DDT	1	7.03	6.98	7.08	15.9	5.5
	2	6.04	5.99	6.09	16.8	
Aldrin	1	5.26	5.21	5.31	15.7	8
	2	4.23	4.18	4.28	17.0	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

RES-BUILDING-PAD-NO-2MSD

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-08MSD **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-BHC	1	4.00	3.95	4.05	14.9	3.9
	2	3.28	3.23	3.33	15.5	
alpha-Chlordane	1	6.02	5.97	6.07	16.3	8.2
	2	5.05	5.00	5.10	17.7	
beta-BHC	1	4.53	4.48	4.58	16.9	5.2
	2	3.91	3.86	3.96	17.8	
delta-BHC	1	4.78	4.73	4.83	4.60	9.1
	2	4.14	4.09	4.19	4.20	
Dieldrin	1	6.35	6.30	6.40	16.1	8.3
	2	5.37	5.32	5.42	17.5	
Endosulfan I	1	6.07	6.02	6.12	16.1	8.3
	2	5.10	5.05	5.15	17.5	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

TENNANT-PAD-2-3-STOCKPIL

Contract: UNIO02

Lab Code: CHEM **Case No.:** P4663 **SAS No.:** P4663 **SDG NO.:** P4663

Lab Sample ID: P4663-02 **Date(s) Analyzed:** 11/01/2024 11/01/2024

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

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

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%RPD
alpha-Chlordane	1	6.02	5.97	6.07	0.48	70.8
	2	5.04	4.99	5.09	0.23	

QC SAMPLE DATA

Raw Data: **PL092801.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164592BL	SDG No.:	P4663
Lab Sample ID:	PB164592BL	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
PL092801.D	1	11/01/24 09:12	11/01/24 14:47	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	0.18	U	0.18	1.70	ug/kg
319-85-7	beta-BHC	0.49	U	0.49	1.70	ug/kg
319-86-8	delta-BHC	0.47	U	0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	0.19	U	0.19	1.70	ug/kg
76-44-8	Heptachlor	0.17	U	0.17	1.70	ug/kg
309-00-2	Aldrin	0.14	U	0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	0.23	U	0.23	1.70	ug/kg
959-98-8	Endosulfan I	0.17	U	0.17	1.70	ug/kg
60-57-1	Dieldrin	0.15	U	0.15	1.70	ug/kg
72-55-9	4,4-DDE	0.13	U	0.13	1.70	ug/kg
72-20-8	Endrin	0.16	U	0.16	1.70	ug/kg
33213-65-9	Endosulfan II	0.30	U	0.30	1.70	ug/kg
72-54-8	4,4-DDD	0.19	U	0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	0.13	U	0.13	1.70	ug/kg
50-29-3	4,4-DDT	0.17	U	0.17	1.70	ug/kg
72-43-5	Methoxychlor	0.38	U	0.38	1.70	ug/kg
53494-70-5	Endrin ketone	0.22	U	0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	0.39	U	0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	0.17	U	0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	0.19	U	0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.0		30 (10) - 150 (148)	110%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.0		30 (10) - 150 (159)	100%	SPK: 20

Raw Data: **PL092801.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164592BL	SDG No.:	P4663
Lab Sample ID:	PB164592BL	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
PL092801.D	1	11/01/24 09:12	11/01/24 14:47	PB164592

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: **PL092801.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092801.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:47
Operator : AR\AJ
Sample : PB164592BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164592BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:41:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.546	2.779	48927386	51903561	19.968	19.074
28)	SA Decachlor...	9.063	7.920	40833698	60045385	21.217	22.001
	Target Compounds						

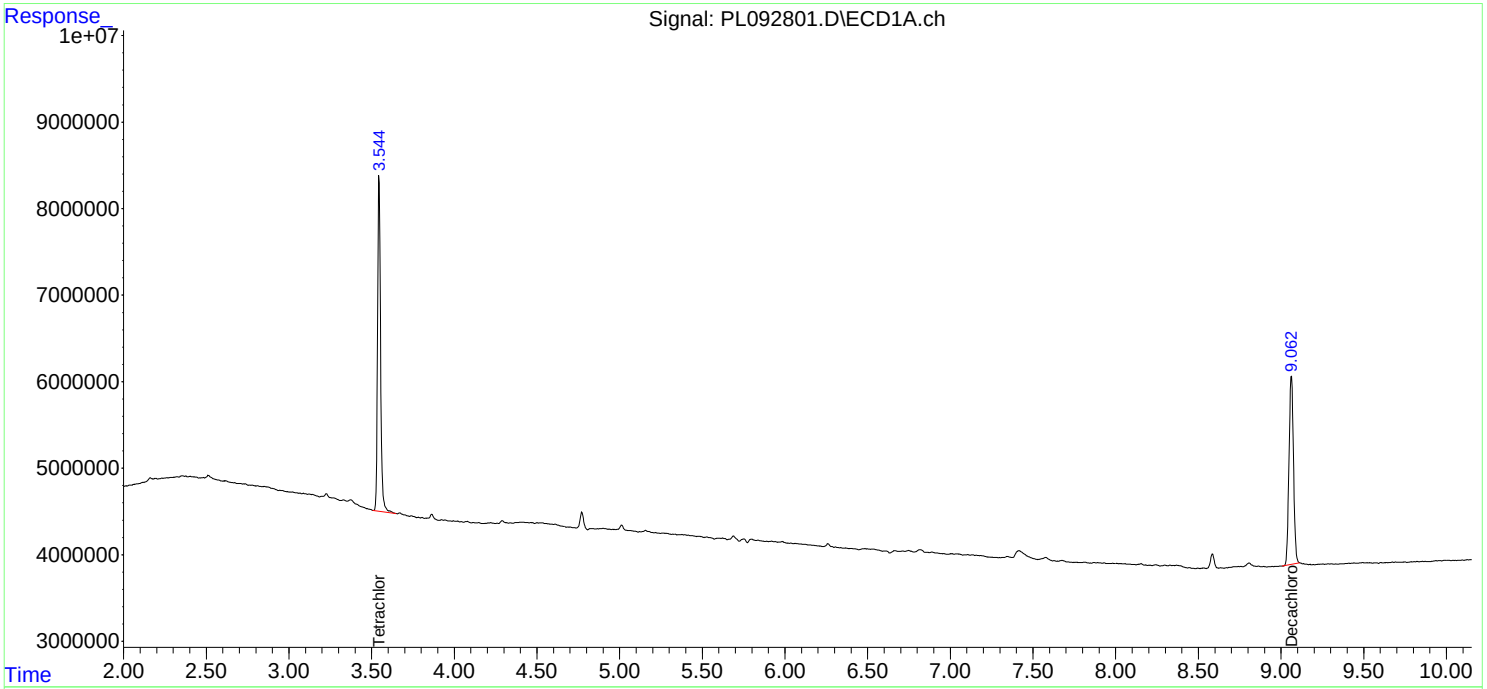
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

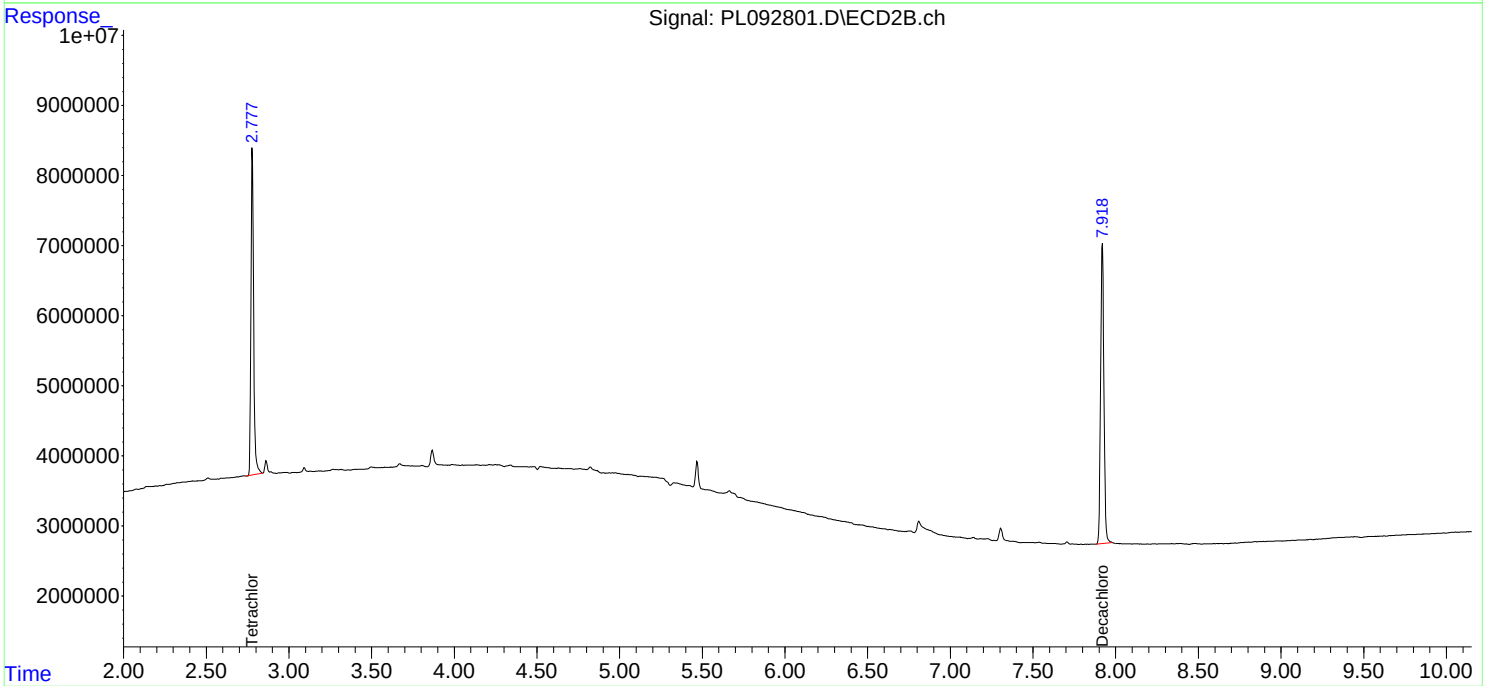
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092801.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:47
Operator : AR\AJ
Sample : PB164592BL
Misc :
ALS Vial : 14 Sample Multiplier: 1

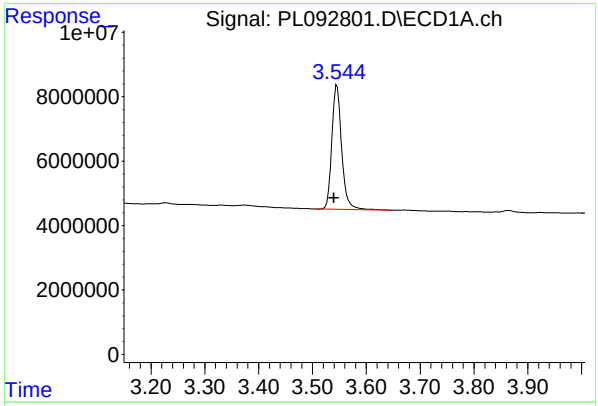
Instrument :
ECD_L
ClientSampleId :
PB164592BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:41:46 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



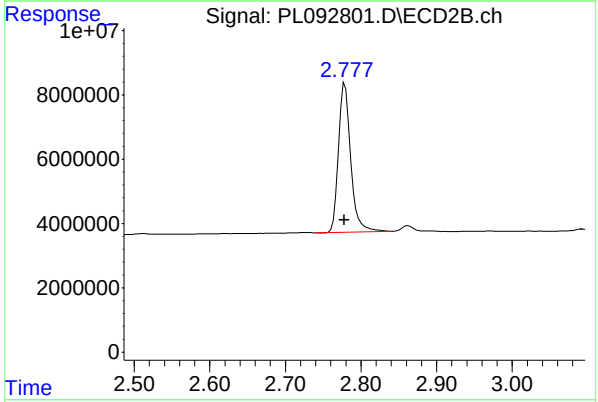




#1 Tetrachloro-m-xylene

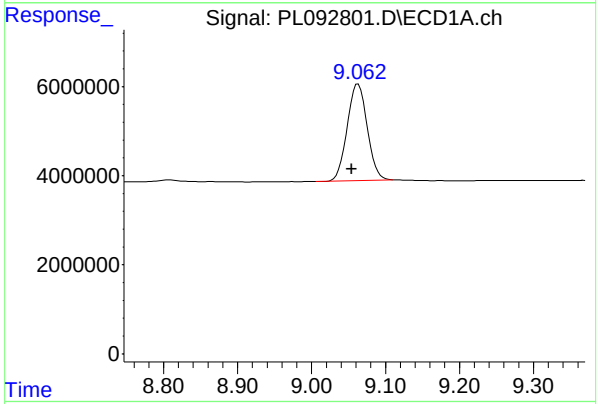
R.T.: 3.546 min
Delta R.T.: 0.006 min
Response: 48927386
Conc: 19.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB164592BL



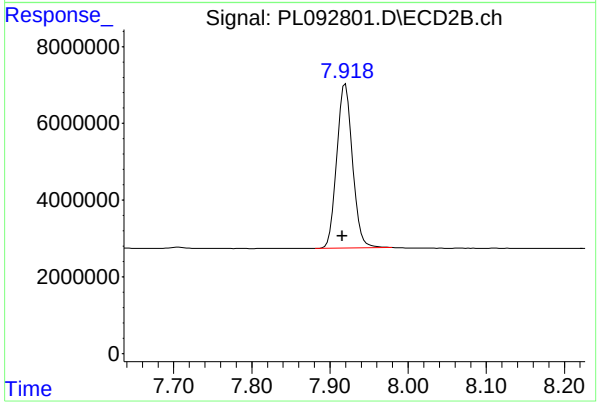
#1 Tetrachloro-m-xylene

R.T.: 2.779 min
Delta R.T.: 0.000 min
Response: 51903561
Conc: 19.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.009 min
Response: 40833698
Conc: 21.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.920 min
Delta R.T.: 0.004 min
Response: 60045385
Conc: 22.00 ng/ml

Raw Data: **PL092652.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/28/24
Project:	Rt. 10 Whippany	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	22.7		30 (43) - 150 (140)	114%	SPK: 20
877-09-8	Tetrachloro-m-xylene	21.6		30 (77) - 150 (126)	108%	SPK: 20

Raw Data: **PL092652.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/28/24
Project:	Rt. 10 Whippany	Date Received:	10/28/24
Client Sample ID:	PIBLK-PL092652.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092652.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
PL092652.D	1		10/28/24	PL102824

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: **PL092652.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
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: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.777	52846066	55504223	21.568	20.397
28)	SA Decachlor...	9.052	7.915	43705517	59287776	22.709	21.723
	Target Compounds						

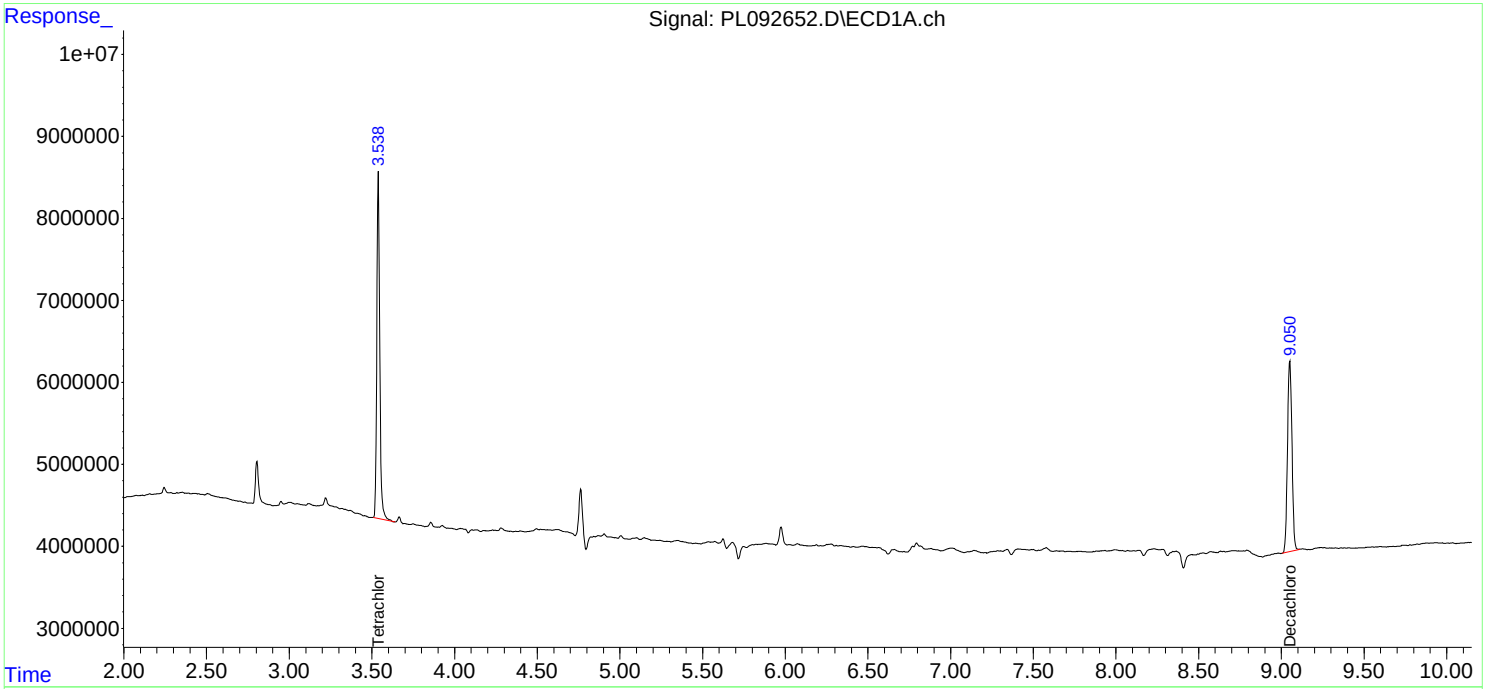
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

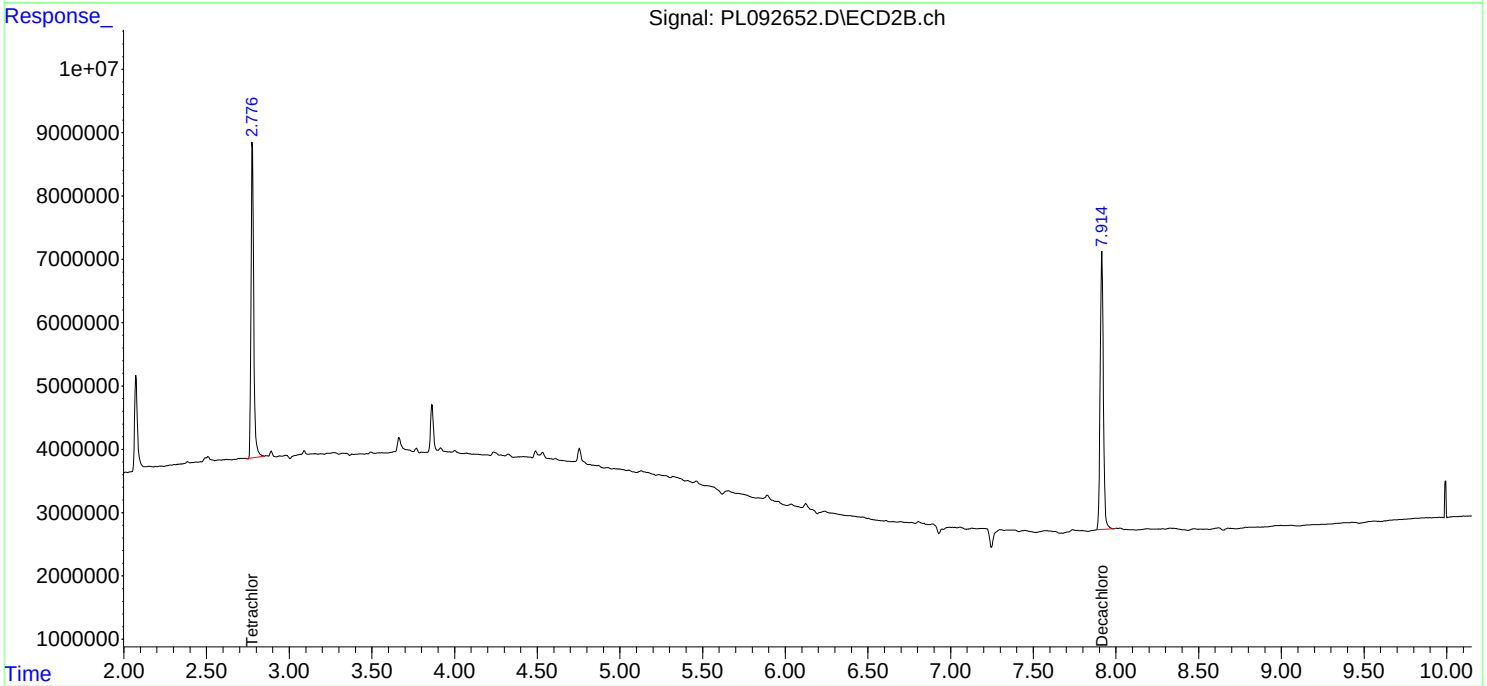
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL102824\
Data File : PL092652.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Oct 2024 13:55
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

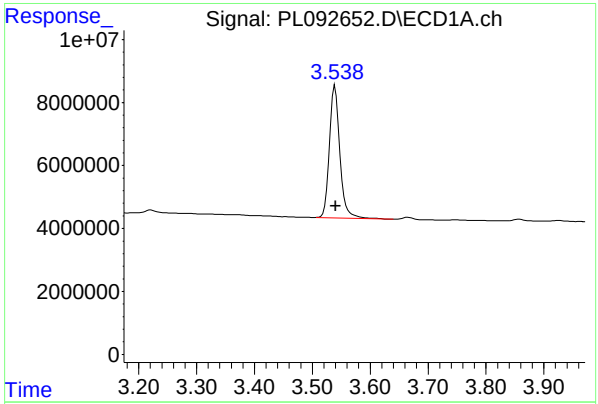
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 17:20:49 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 17:19:58 2024
Response via : Initial Calibration
Integrator: ChemStation

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



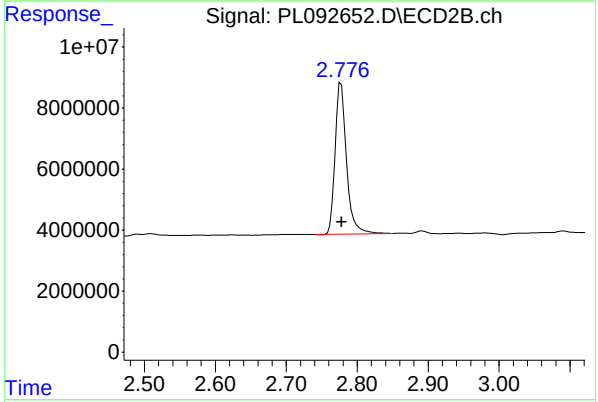




#1 Tetrachloro-m-xylene

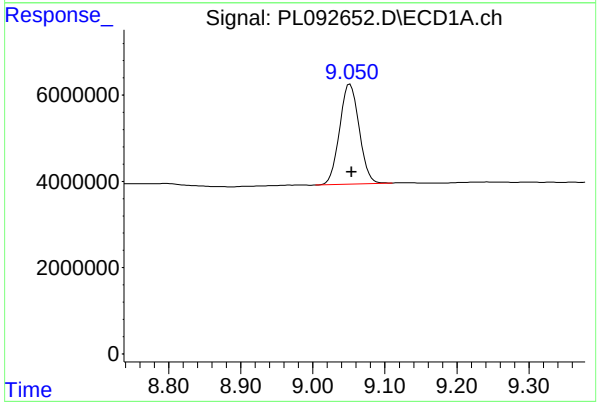
R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 52846066
Conc: 21.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



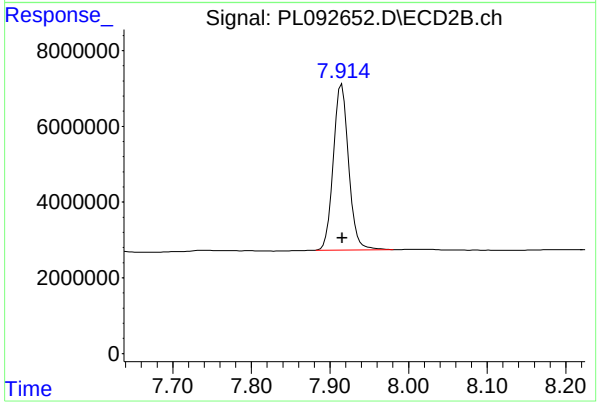
#1 Tetrachloro-m-xylene

R.T.: 2.777 min
Delta R.T.: 0.000 min
Response: 55504223
Conc: 20.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.052 min
Delta R.T.: -0.002 min
Response: 43705517
Conc: 22.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.915 min
Delta R.T.: 0.000 min
Response: 59287776
Conc: 21.72 ng/ml

Raw Data: **PL092799.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PL092799.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092799.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
PL092799.D	1		11/01/24	pl110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.8		30 (43) - 150 (140)	109%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		30 (77) - 150 (126)	103%	SPK: 20

Raw Data: **PL092799.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PL092799.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092799.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
PL092799.D	1		11/01/24	pl110124

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: **PL092799.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092799.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:15
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: Nov 04 01:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.542	2.778	50448972	53520359	20.589	19.668
28)	SA Decachlor...	9.060	7.918	40560578	59429458	21.075	21.775
	Target Compounds						

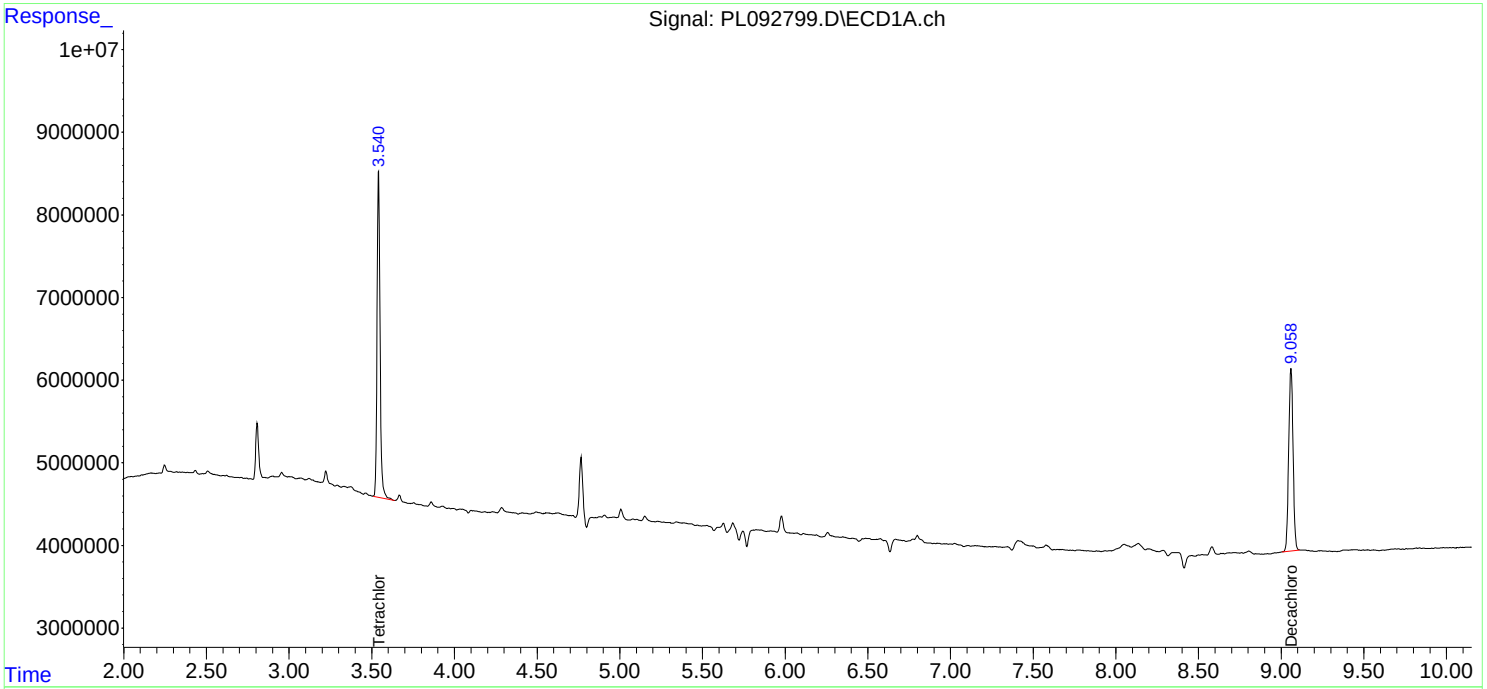
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

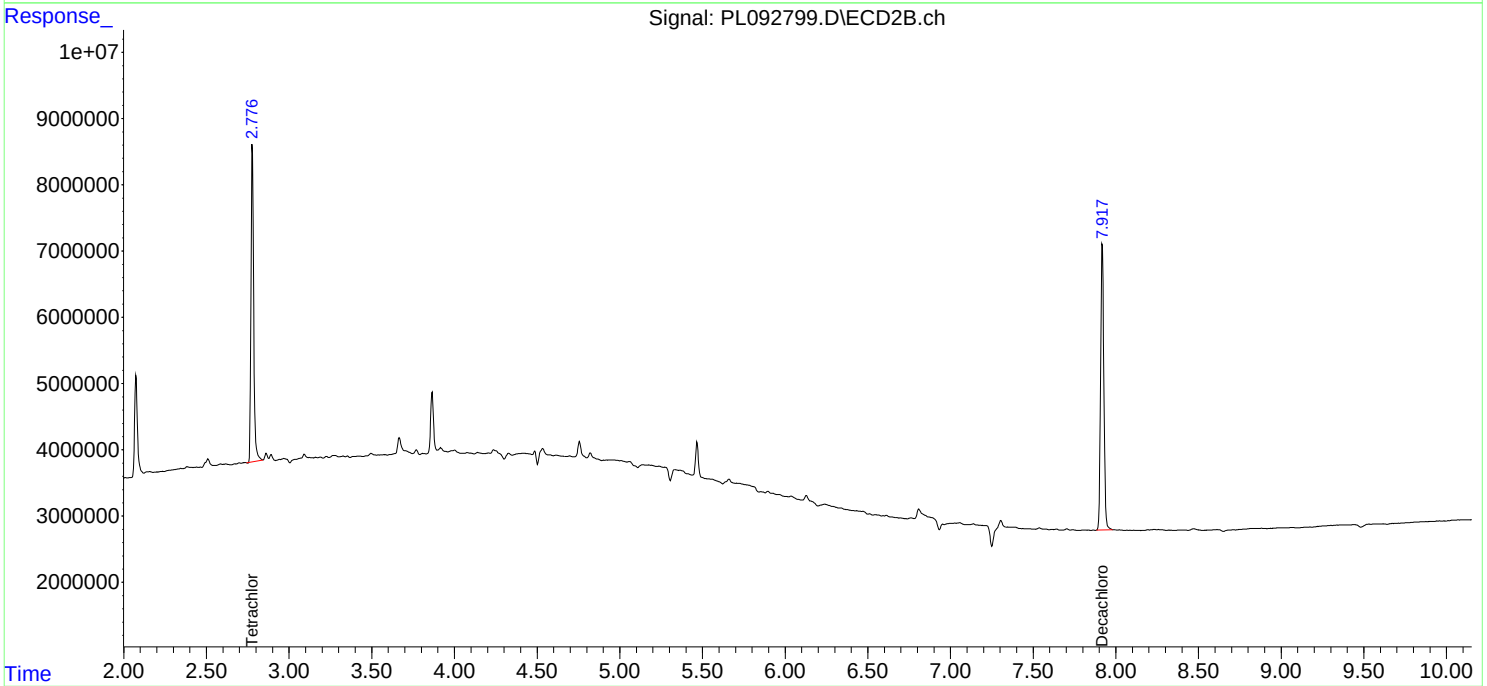
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092799.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 14:15
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

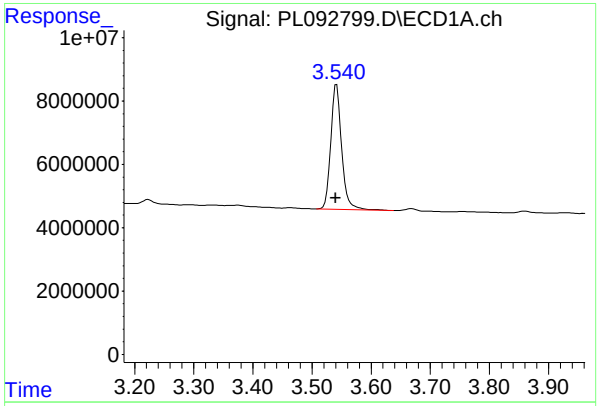
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:41:15 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



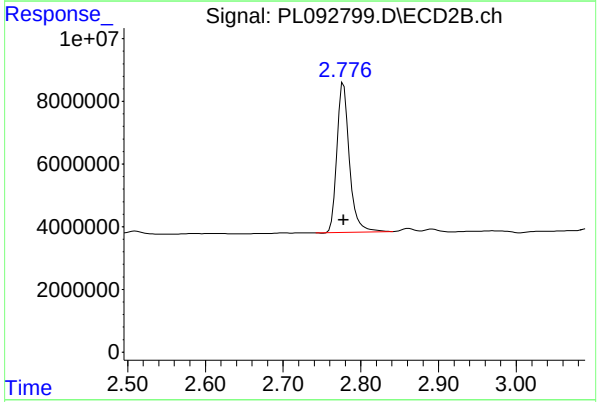




#1 Tetrachloro-m-xylene

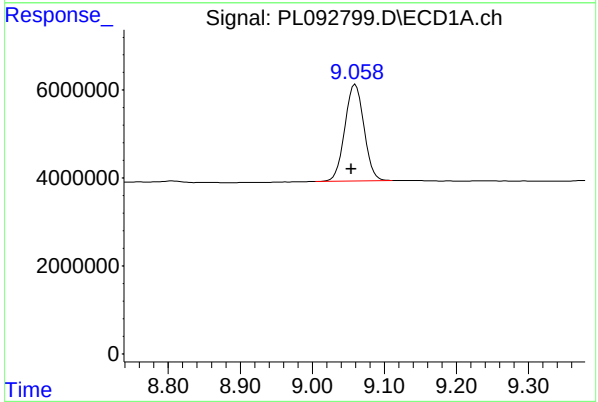
R.T.: 3.542 min
Delta R.T.: 0.002 min
Response: 50448972
Conc: 20.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



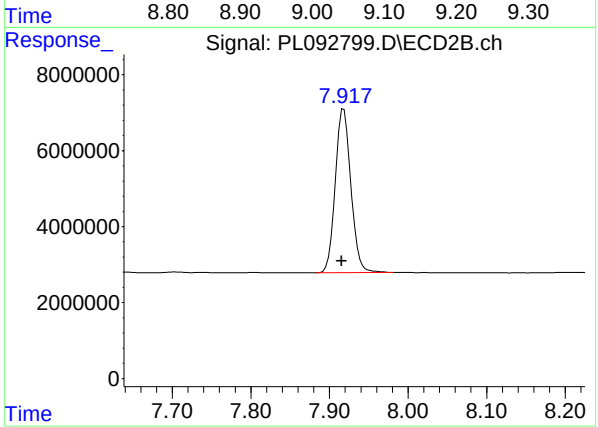
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 53520359
Conc: 19.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.060 min
Delta R.T.: 0.006 min
Response: 40560578
Conc: 21.08 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.918 min
Delta R.T.: 0.002 min
Response: 59429458
Conc: 21.78 ng/ml

Raw Data: **PL092812.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PL092812.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092812.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
PL092812.D	1		11/01/24	pl110124

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0061	U	0.0061	0.050	ug/L
319-85-7	beta-BHC	0.014	U	0.014	0.050	ug/L
319-86-8	delta-BHC	0.015	U	0.015	0.050	ug/L
58-89-9	gamma-BHC (Lindane)	0.0049	U	0.0049	0.050	ug/L
76-44-8	Heptachlor	0.0054	U	0.0054	0.050	ug/L
309-00-2	Aldrin	0.0044	U	0.0044	0.050	ug/L
1024-57-3	Heptachlor epoxide	0.0090	U	0.0090	0.050	ug/L
959-98-8	Endosulfan I	0.0050	U	0.0050	0.050	ug/L
60-57-1	Dieldrin	0.0047	U	0.0047	0.050	ug/L
72-55-9	4,4-DDE	0.0045	U	0.0045	0.050	ug/L
72-20-8	Endrin	0.0043	U	0.0043	0.050	ug/L
33213-65-9	Endosulfan II	0.0075	U	0.0075	0.050	ug/L
72-54-8	4,4-DDD	0.0092	U	0.0092	0.050	ug/L
1031-07-8	Endosulfan Sulfate	0.0035	U	0.0035	0.050	ug/L
50-29-3	4,4-DDT	0.0044	U	0.0044	0.050	ug/L
72-43-5	Methoxychlor	0.011	U	0.011	0.050	ug/L
53494-70-5	Endrin ketone	0.0097	U	0.0097	0.050	ug/L
7421-93-4	Endrin aldehyde	0.0099	U	0.0099	0.050	ug/L
5103-71-9	alpha-Chlordane	0.0060	U	0.0060	0.050	ug/L
5103-74-2	gamma-Chlordane	0.0060	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	0.15	U	0.15	1.00	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.9		30 (43) - 150 (140)	105%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.4		30 (77) - 150 (126)	102%	SPK: 20

Raw Data: **PL092812.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	11/01/24
Project:	Rt. 10 Whippany	Date Received:	11/01/24
Client Sample ID:	PIBLK-PL092812.D	SDG No.:	P4663
Lab Sample ID:	I.BLK-PL092812.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
PL092812.D	1		11/01/24	pl110124

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: **PL092812.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:24
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: Nov 04 01:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.546	2.778	50047276	54115396	20.425	19.887
28)	SA Decachlor...	9.063	7.919	40236912	53725371	20.907	19.685
	Target Compounds						

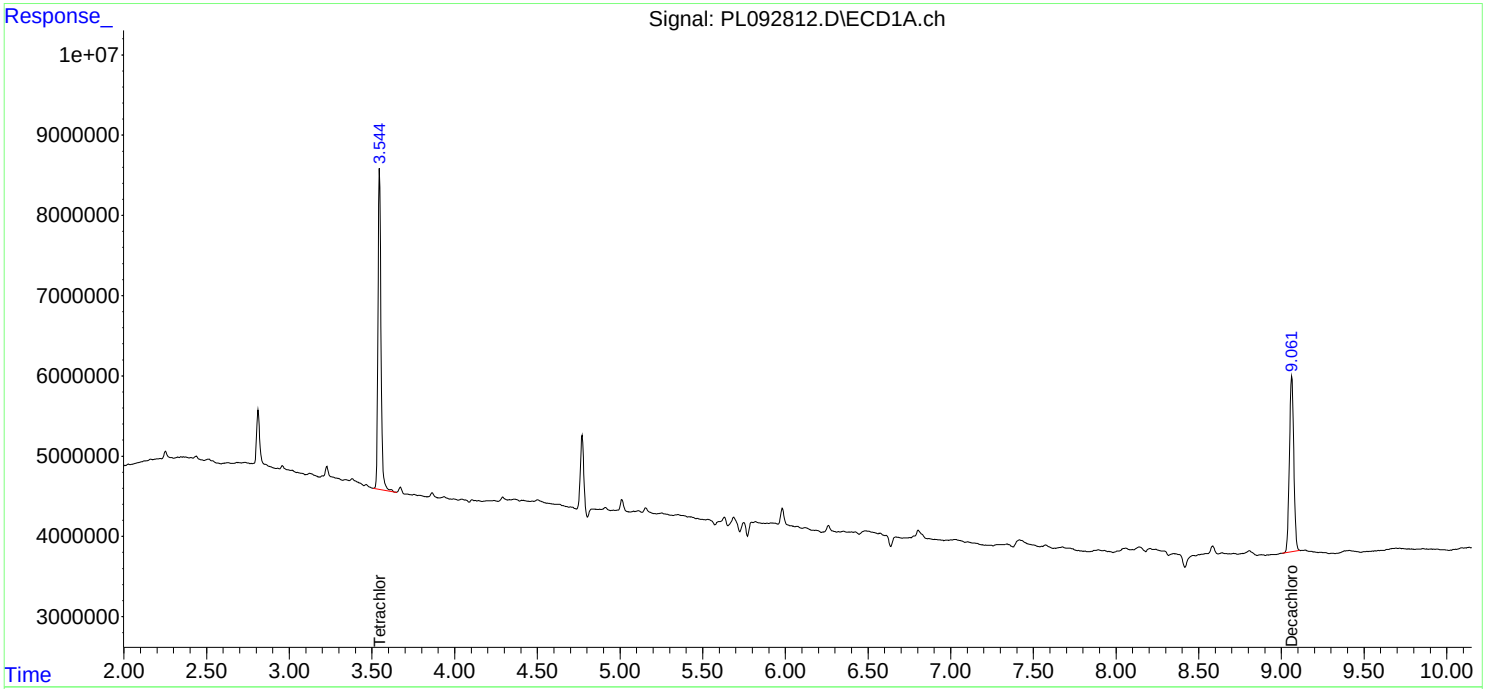
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

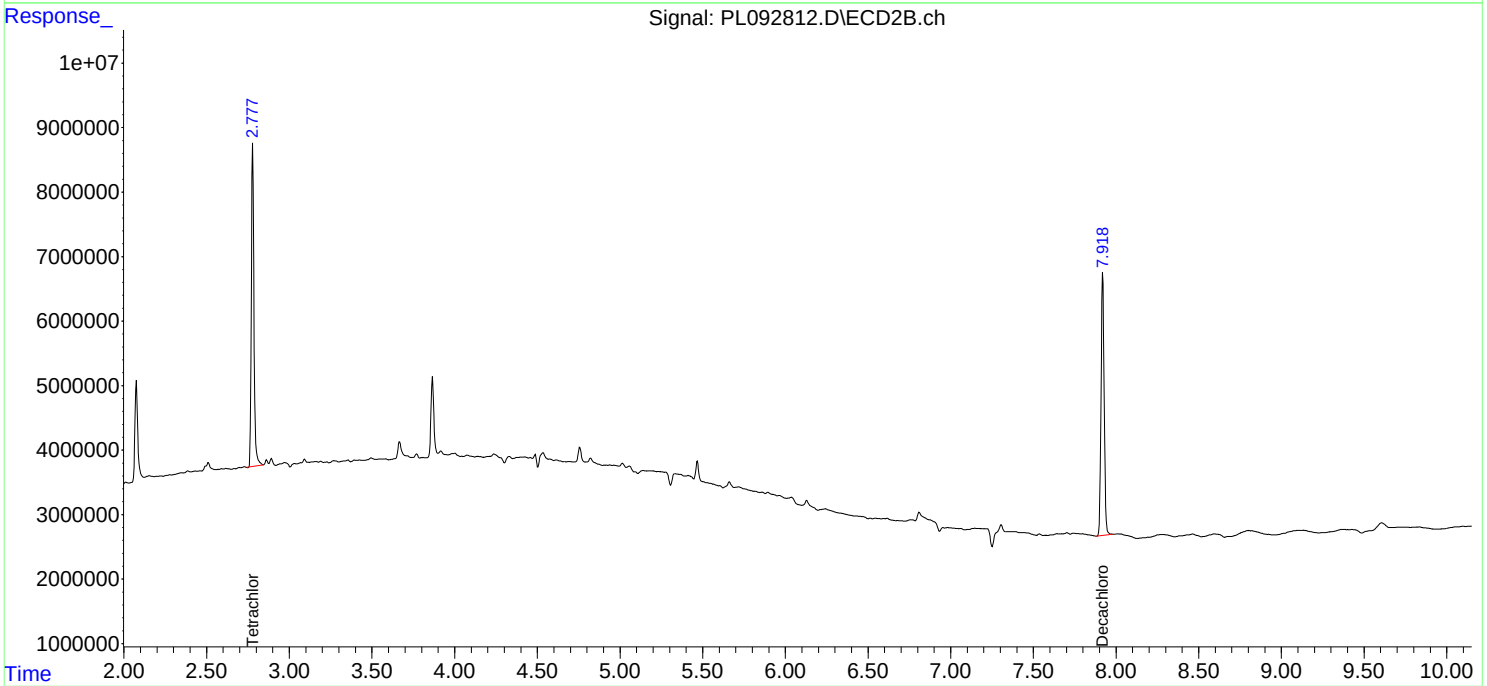
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092812.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

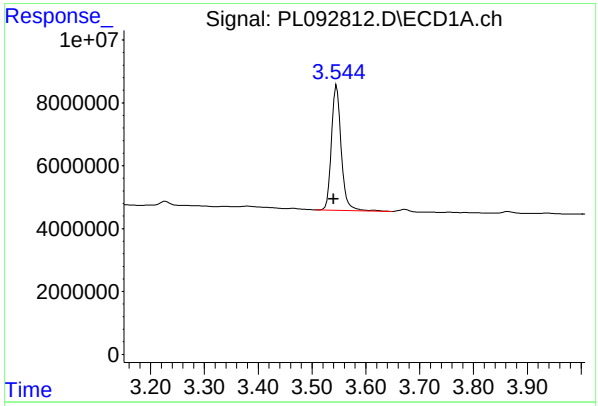
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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



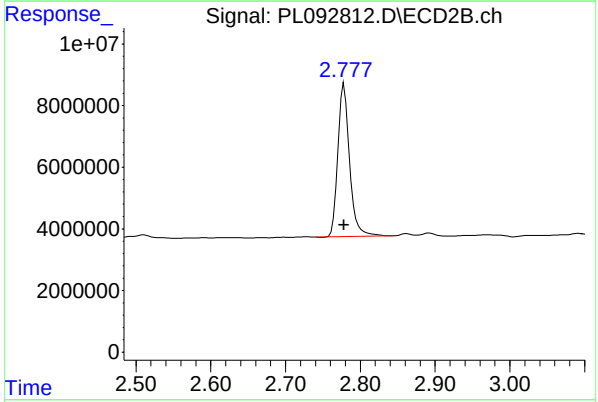




#1 Tetrachloro-m-xylene

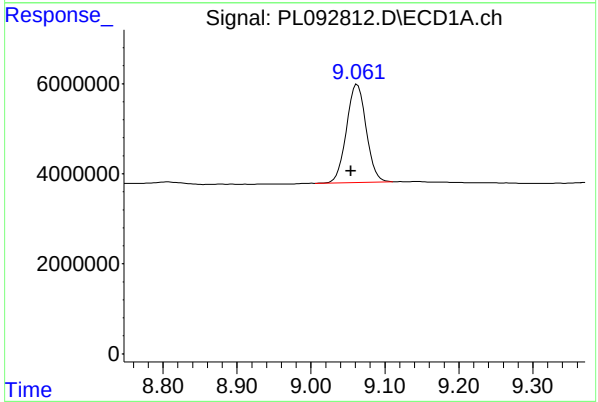
R.T.: 3.546 min
Delta R.T.: 0.006 mi
Response: 50047276
Conc: 20.43 ng/m

Instrument :
ECD_L
ClientSampleId :
I.BLK



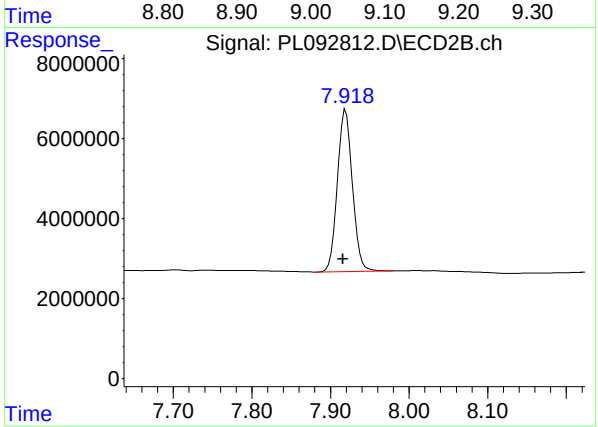
#1 Tetrachloro-m-xylene

R.T.: 2.778 min
Delta R.T.: 0.000 min
Response: 54115396
Conc: 19.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: 0.009 min
Response: 40236912
Conc: 20.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.919 min
Delta R.T.: 0.004 min
Response: 53725371
Conc: 19.69 ng/ml

Raw Data: **PL092802.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164592BS	SDG No.:	P4663
Lab Sample ID:	PB164592BS	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
PL092802.D	1	11/01/24 09:12	11/01/24 15:01	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	17.7		0.18	1.70	ug/kg
319-85-7	beta-BHC	18.0		0.49	1.70	ug/kg
319-86-8	delta-BHC	15.6		0.47	1.70	ug/kg
58-89-9	gamma-BHC (Lindane)	17.6		0.19	1.70	ug/kg
76-44-8	Heptachlor	18.7		0.17	1.70	ug/kg
309-00-2	Aldrin	17.8		0.14	1.70	ug/kg
1024-57-3	Heptachlor epoxide	18.4		0.23	1.70	ug/kg
959-98-8	Endosulfan I	18.7		0.17	1.70	ug/kg
60-57-1	Dieldrin	18.9		0.15	1.70	ug/kg
72-55-9	4,4-DDE	18.8		0.13	1.70	ug/kg
72-20-8	Endrin	19.8		0.16	1.70	ug/kg
33213-65-9	Endosulfan II	19.2		0.30	1.70	ug/kg
72-54-8	4,4-DDD	19.0		0.19	1.70	ug/kg
1031-07-8	Endosulfan Sulfate	18.6		0.13	1.70	ug/kg
50-29-3	4,4-DDT	19.3		0.17	1.70	ug/kg
72-43-5	Methoxychlor	18.7		0.38	1.70	ug/kg
53494-70-5	Endrin ketone	18.7		0.22	1.70	ug/kg
7421-93-4	Endrin aldehyde	18.1		0.39	1.70	ug/kg
5103-71-9	alpha-Chlordane	18.7		0.17	1.70	ug/kg
5103-74-2	gamma-Chlordane	18.9		0.19	1.70	ug/kg
8001-35-2	Toxaphene	5.20	U	5.20	33.0	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		30 (10) - 150 (148)	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	19.5		30 (10) - 150 (159)	98%	SPK: 20

Raw Data: **PL092802.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	Rt. 10 Whippany	Date Received:	
Client Sample ID:	PB164592BS	SDG No.:	P4663
Lab Sample ID:	PB164592BS	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
PL092802.D	1	11/01/24 09:12	11/01/24 15:01	PB164592

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_L\Data\PL110124\
Data File : PL092802.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 15:01
Operator : AR\AJ
Sample : PB164592BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164592BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:42:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1) SA	Tetrachlo...	3.542	2.778	47799689	49755007	19.508	18.284
28) SA	Decachlor...	9.059	7.919	40043126	57970850	20.806	21.241
	Target Compounds						
2) A	alpha-BHC	3.998	3.281	172.5E6	212.0E6	50.857	53.135
3) MA	gamma-BHC...	4.331	3.611	163.7E6	203.9E6	50.212	52.842
4) MA	Heptachlor	4.920	3.950	159.7E6	211.7E6	53.191	56.095
5) MB	Aldrin	5.261	4.230	150.5E6	195.6E6	50.149	53.436
6) B	beta-BHC	4.528	3.911	74690849	89003785	51.673	54.065
7) B	delta-BHC	4.776	4.140	141.6E6	180.4E6	45.239	46.934
8) B	Heptachlo...	5.688	4.733	140.6E6	184.6E6	50.918	55.256
9) A	Endosulfan I	6.073	5.103	130.9E6	171.1E6	52.341	56.028
10) B	gamma-Chl...	5.944	4.983	142.1E6	190.4E6	53.394	56.637
11) B	alpha-Chl...	6.023	5.046	139.9E6	187.0E6	52.845	56.225
12) B	4,4'-DDE	6.196	5.235	124.5E6	181.5E6	52.560	56.330
13) MA	Dieldrin	6.348	5.367	138.3E6	190.0E6	52.478	56.886
14) MA	Endrin	6.578	5.643	117.5E6	172.3E6	51.605	59.545
15) B	Endosulfa...	6.797	5.938	124.0E6	163.4E6	52.002	57.667
16) A	4,4'-DDD	6.713	5.791	101.5E6	142.3E6	52.888	57.151
17) MA	4,4'-DDT	7.027	6.041	112.3E6	155.3E6	54.238	57.906
18) B	Endrin al...	6.927	6.117	95507755	125.2E6	50.857	54.253
19) B	Endosulfa...	7.162	6.340	111.1E6	150.8E6	51.175	55.905
20) A	Methoxychlor	7.503	6.617	58726656	80022355	51.515	56.037
21) B	Endrin ke...	7.647	6.846	124.8E6	172.5E6	51.509	56.205
22)	Mirex	8.120	7.026	89390608	124.4E6	45.108	47.683

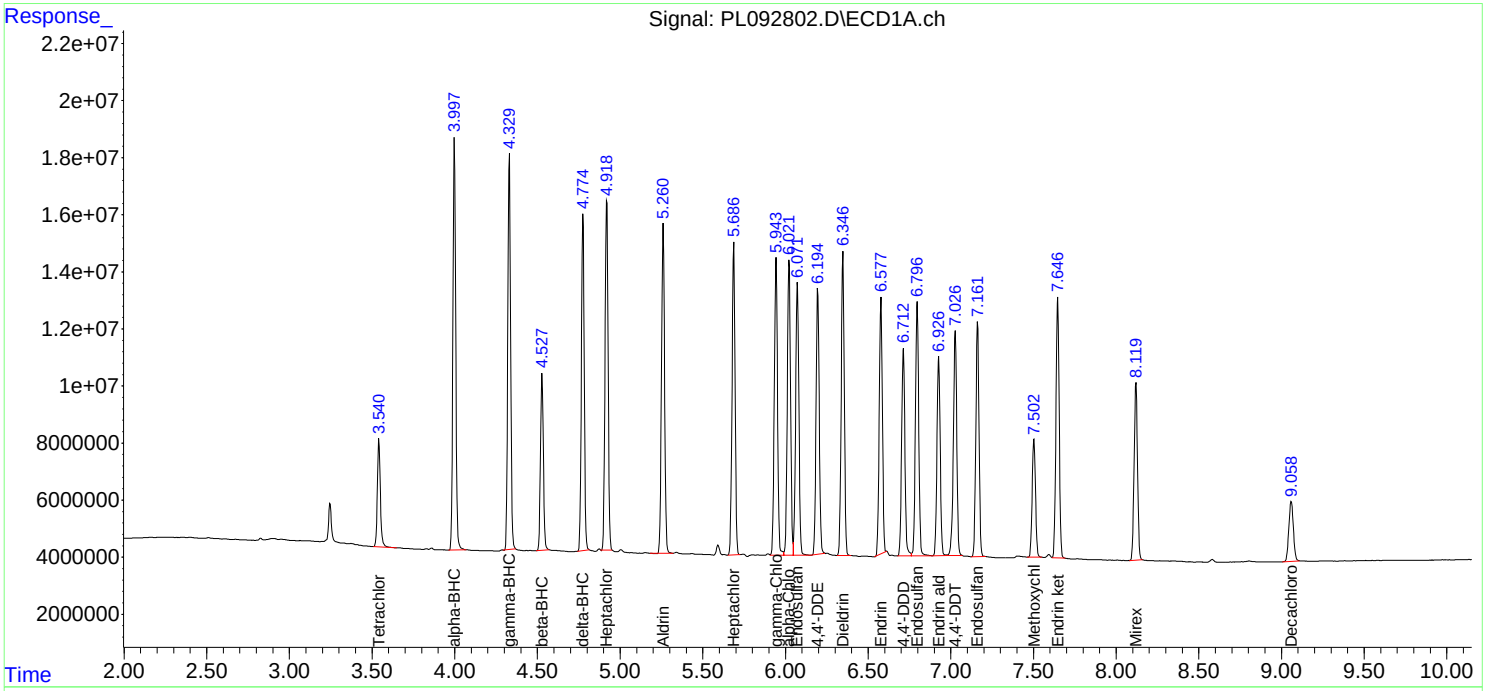
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

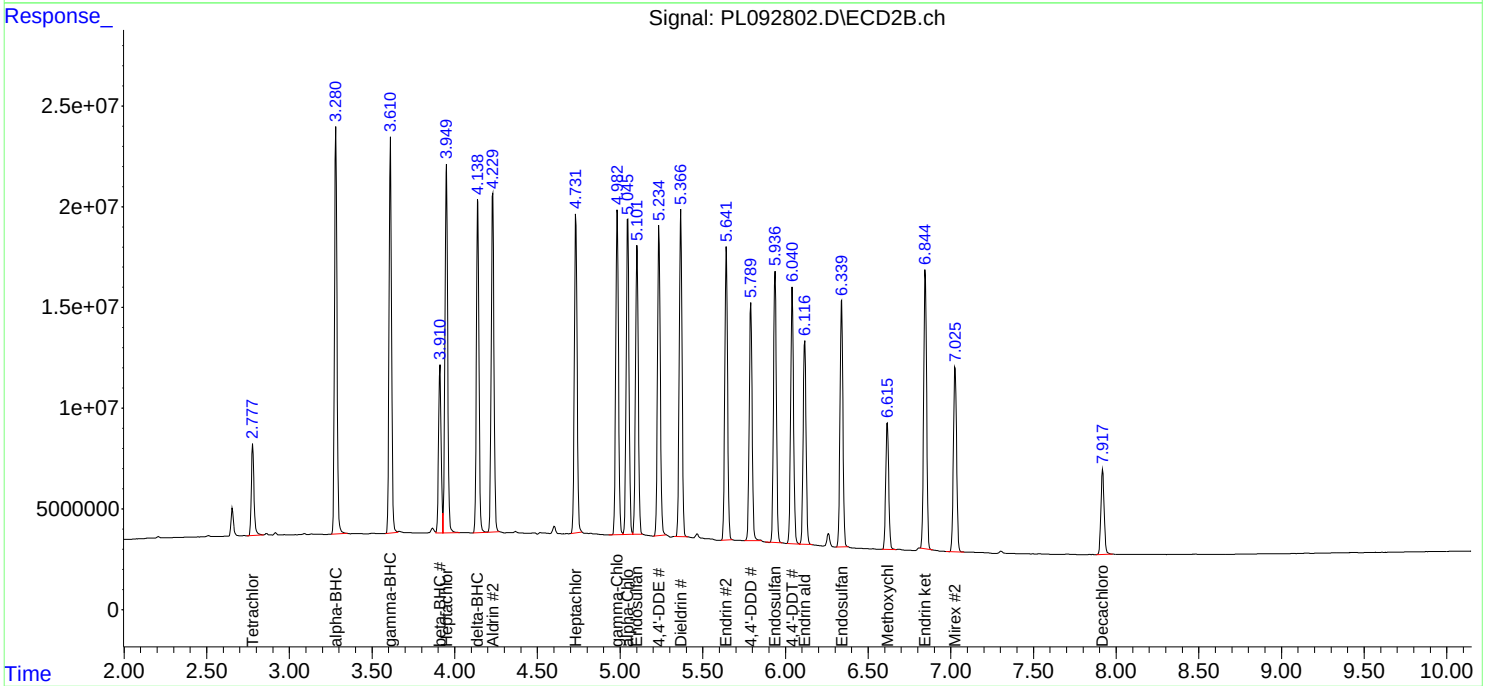
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092802.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 15:01
Operator : AR\AJ
Sample : PB164592BS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB164592BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:42:05 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092810.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2MS	SDG No.:	P4663
Lab Sample ID:	P4663-08MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.02 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
PL092810.D	1	11/01/24 09:12	11/01/24 16:52	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.5		0.20	1.90	ug/kg
319-85-7	beta-BHC	17.7		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	15.7		0.21	1.90	ug/kg
76-44-8	Heptachlor	17.9		0.19	1.90	ug/kg
309-00-2	Aldrin	17.2		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	17.0		0.25	1.90	ug/kg
959-98-8	Endosulfan I	17.5		0.19	1.90	ug/kg
60-57-1	Dieldrin	17.5		0.16	1.90	ug/kg
72-55-9	4,4-DDE	18.1		0.14	1.90	ug/kg
72-20-8	Endrin	17.8		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	16.8		0.33	1.90	ug/kg
72-54-8	4,4-DDD	16.4		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.4		0.14	1.90	ug/kg
50-29-3	4,4-DDT	16.7		0.19	1.90	ug/kg
72-43-5	Methoxychlor	16.6		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	15.8		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	15.9		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	17.6		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	17.8		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	14.1		30 (10) - 150 (148)	71%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.2		30 (10) - 150 (159)	86%	SPK: 20

Raw Data: **PL092810.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2MS	SDG No.:	P4663
Lab Sample ID:	P4663-08MS	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 Decanted:
Sample Wt/Vol:	30.02 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
PL092810.D	1	11/01/24 09:12	11/01/24 16:52	PB164592

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: **PL092810.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:52
Operator : AR\AJ
Sample : P4663-08MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2MS

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
	System Monitoring Compounds						
1)	SA Tetrachlo...	3.539	2.778	42253585	36435741	17.245m	13.390
28)	SA Decachlor...	9.058	7.918	27164528	32417946	14.115	11.878
	Target Compounds						
2)	A alpha-BHC	3.998	3.281	137.2E6	170.0E6	40.462	42.603
3)	MA gamma-BHC...	4.330	3.611	133.2E6	166.5E6	40.862	43.137
4)	MA Heptachlor	4.919	3.950	135.8E6	185.2E6	45.216	49.080
5)	MB Aldrin	5.260	4.230	129.6E6	172.4E6	43.178	47.090
6)	B beta-BHC	4.528	3.910	66730111	79793498	46.165	48.470
7)	B delta-BHC	4.774	4.140	39663803	44031080	12.673	11.457
8)	B Heptachlo...	5.687	4.733	119.8E6	156.1E6	43.382	46.723
9)	A Endosulfan I	6.072	5.102	110.0E6	146.2E6	43.968	47.881
10)	B gamma-Chl...	5.943	4.982	120.9E6	163.9E6	45.431	48.754
11)	B alpha-Chl...	6.022	5.046	118.4E6	160.7E6	44.694	48.304
12)	B 4,4'-DDE	6.195	5.235	106.0E6	159.4E6	44.749	49.494
13)	MA Dieldrin	6.347	5.366	115.1E6	160.0E6	43.666	47.903
14)	MA Endrin	6.578	5.642	97714052	141.3E6	42.920	48.841
15)	B Endosulfa...	6.797	5.937	102.1E6	130.6E6	42.836	46.111
16)	A 4,4'-DDD	6.713	5.790	85868689	112.1E6	44.734	45.019
17)	MA 4,4'-DDT	7.027	6.040	90596804	122.7E6	43.772	45.729
18)	B Endrin al...	6.927	6.116	79957370	100.4E6	42.576	43.525
19)	B Endosulfa...	7.161	6.339	77215036	98888523	35.577	36.668
20)	A Methoxychlor	7.502	6.616	49567149	64956721	43.480	45.487
21)	B Endrin ke...	7.647	6.845	102.6E6	132.8E6	42.337	43.281
22)	Mirex	8.120	7.025	79479195	104.9E6	40.106	40.214

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

Sample Results: **PL092810.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092810.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 16:52
Operator : AR\AJ
Sample : P4663-08MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

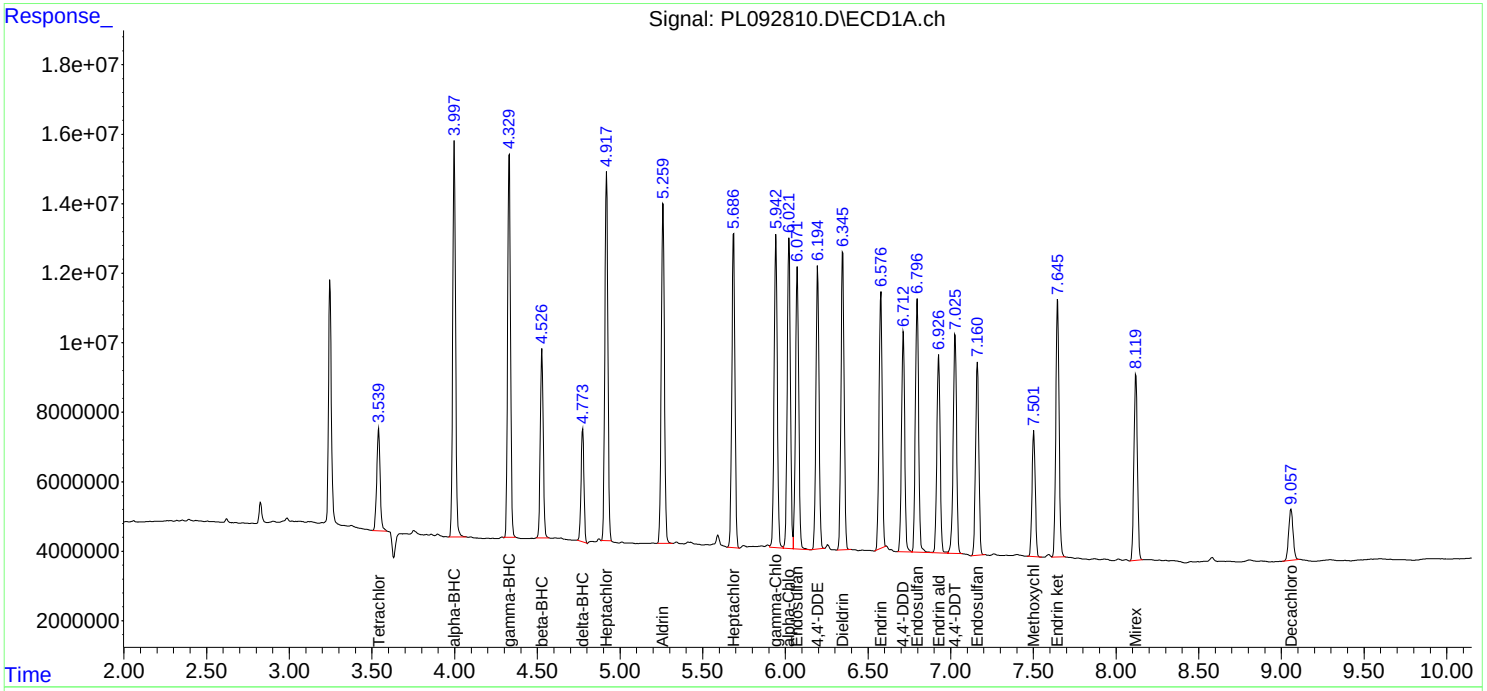
Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2MS

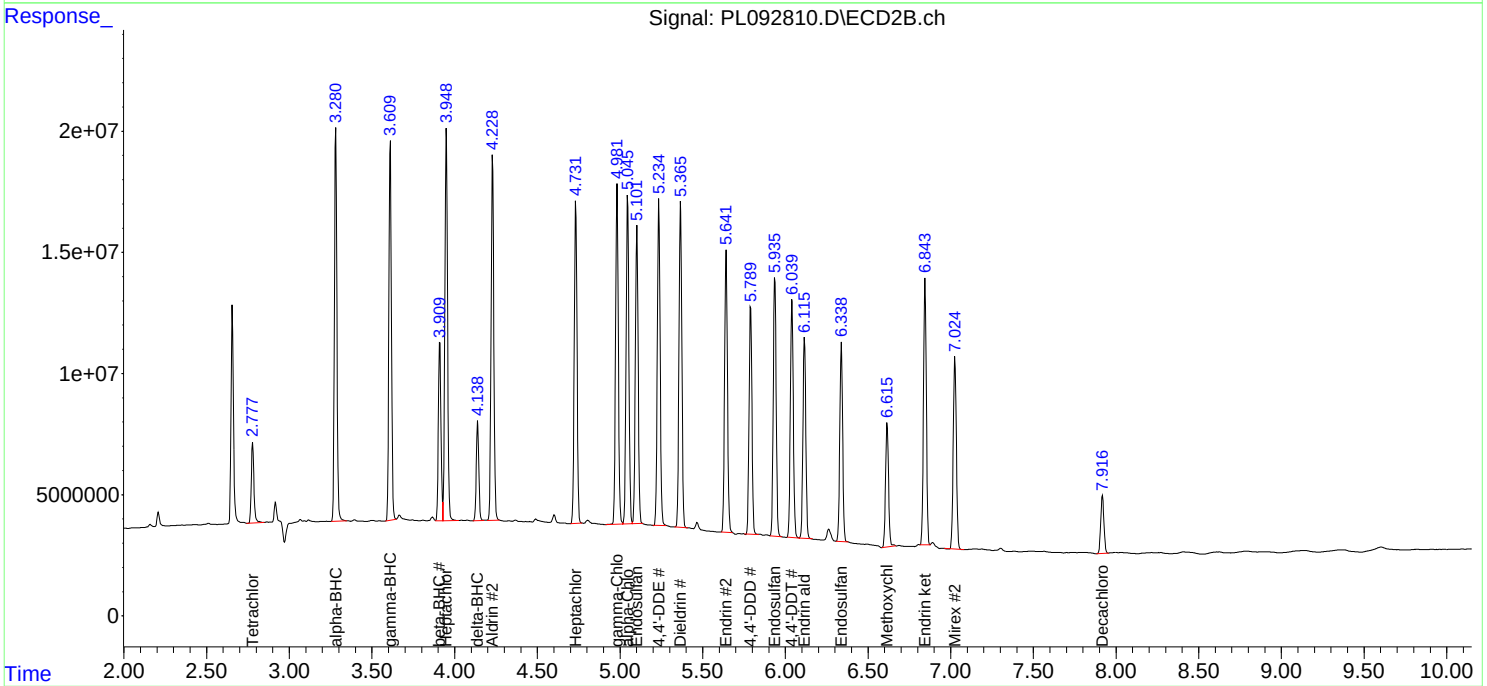
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:45:03 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





Raw Data: **PL092811.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2MSD	SDG No.:	P4663
Lab Sample ID:	P4663-08MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL092811.D	1	11/01/24 09:12	11/01/24 17:06	PB164592

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
319-84-6	alpha-BHC	15.5		0.20	1.90	ug/kg
319-85-7	beta-BHC	17.8		0.54	1.90	ug/kg
319-86-8	delta-BHC	4.60		0.51	1.90	ug/kg
58-89-9	gamma-BHC (Lindane)	15.8		0.21	1.90	ug/kg
76-44-8	Heptachlor	17.9		0.19	1.90	ug/kg
309-00-2	Aldrin	17.0		0.15	1.90	ug/kg
1024-57-3	Heptachlor epoxide	17.4		0.25	1.90	ug/kg
959-98-8	Endosulfan I	17.5		0.19	1.90	ug/kg
60-57-1	Dieldrin	17.5		0.16	1.90	ug/kg
72-55-9	4,4-DDE	18.0		0.14	1.90	ug/kg
72-20-8	Endrin	18.3		0.18	1.90	ug/kg
33213-65-9	Endosulfan II	17.3		0.33	1.90	ug/kg
72-54-8	4,4-DDD	17.4		0.21	1.90	ug/kg
1031-07-8	Endosulfan Sulfate	13.7		0.14	1.90	ug/kg
50-29-3	4,4-DDT	16.8		0.19	1.90	ug/kg
72-43-5	Methoxychlor	17.2		0.42	1.90	ug/kg
53494-70-5	Endrin ketone	15.9		0.24	1.90	ug/kg
7421-93-4	Endrin aldehyde	15.9		0.43	1.90	ug/kg
5103-71-9	alpha-Chlordane	17.7		0.19	1.90	ug/kg
5103-74-2	gamma-Chlordane	17.9		0.21	1.90	ug/kg
8001-35-2	Toxaphene	5.70	U	5.70	36.1	ug/kg
SURROGATES						
2051-24-3	Decachlorobiphenyl	13.5		30 (10) - 150 (148)	67%	SPK: 20
877-09-8	Tetrachloro-m-xylene	17.4		30 (10) - 150 (159)	87%	SPK: 20

Raw Data: **PL092811.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	10/31/24
Project:	Rt. 10 Whippany	Date Received:	10/31/24
Client Sample ID:	RES-BUILDING-PAD-NO-2MSD	SDG No.:	P4663
Lab Sample ID:	P4663-08MSD	Matrix:	SOIL
Analytical Method:	SW8081	% Solid:	91.3 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
PL092811.D	1	11/01/24 09:12	11/01/24 17:06	PB164592

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: **PL092811.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092811.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:06
Operator : AR\AJ
Sample : P4663-08MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2MSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:45:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
		System Monitoring Compounds						
1)	SA	Tetrachlo...	3.540	2.779	42618757	36402105	17.394m	13.377
28)	SA	Decachlor...	9.060	7.919	25915828	32893214	13.466	12.052
		Target Compounds						
2)	A	alpha-BHC	3.998	3.281	138.6E6	170.0E6	40.880	42.608
3)	MA	gamma-BHC...	4.331	3.611	134.5E6	167.2E6	41.251	43.319
4)	MA	Heptachlor	4.919	3.951	137.7E6	185.0E6	45.848	49.011
5)	MB	Aldrin	5.261	4.230	128.9E6	171.1E6	42.939	46.758
6)	B	beta-BHC	4.529	3.911	67067170	80516982	46.398	48.909
7)	B	delta-BHC	4.775	4.140	39635080	43965563	12.663	11.440
8)	B	Heptachlo...	5.688	4.733	121.2E6	159.3E6	43.880	47.688
9)	A	Endosulfan I	6.073	5.103	110.5E6	146.8E6	44.175	48.072
10)	B	gamma-Chl...	5.944	4.983	119.7E6	164.9E6	44.978	49.063
11)	B	alpha-Chl...	6.022	5.047	118.4E6	161.9E6	44.720	48.680
12)	B	4,4'-DDE	6.196	5.236	109.6E6	159.2E6	46.257	49.431
13)	MA	Dieldrin	6.348	5.368	116.6E6	159.9E6	44.238	47.857
14)	MA	Endrin	6.578	5.643	98408904	145.2E6	43.225	50.181
15)	B	Endosulfa...	6.798	5.938	104.1E6	134.4E6	43.654	47.453
16)	A	4,4'-DDD	6.714	5.791	87911082	118.8E6	45.798	47.712
17)	MA	4,4'-DDT	7.027	6.042	90449550	123.5E6	43.701	46.051
18)	B	Endrin al...	6.928	6.117	79977347	100.4E6	42.587	43.522
19)	B	Endosulfa...	7.162	6.340	78302732	101.1E6	36.079	37.479
20)	A	Methoxychlor	7.503	6.617	50453470	67183731	44.257	47.046
21)	B	Endrin ke...	7.648	6.846	105.1E6	133.9E6	43.371	43.617
22)		Mirex	8.120	7.026	80433689	110.8E6	40.588	42.466

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL110124\
Data File : PL092811.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Nov 2024 17:06
Operator : AR\AJ
Sample : P4663-08MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

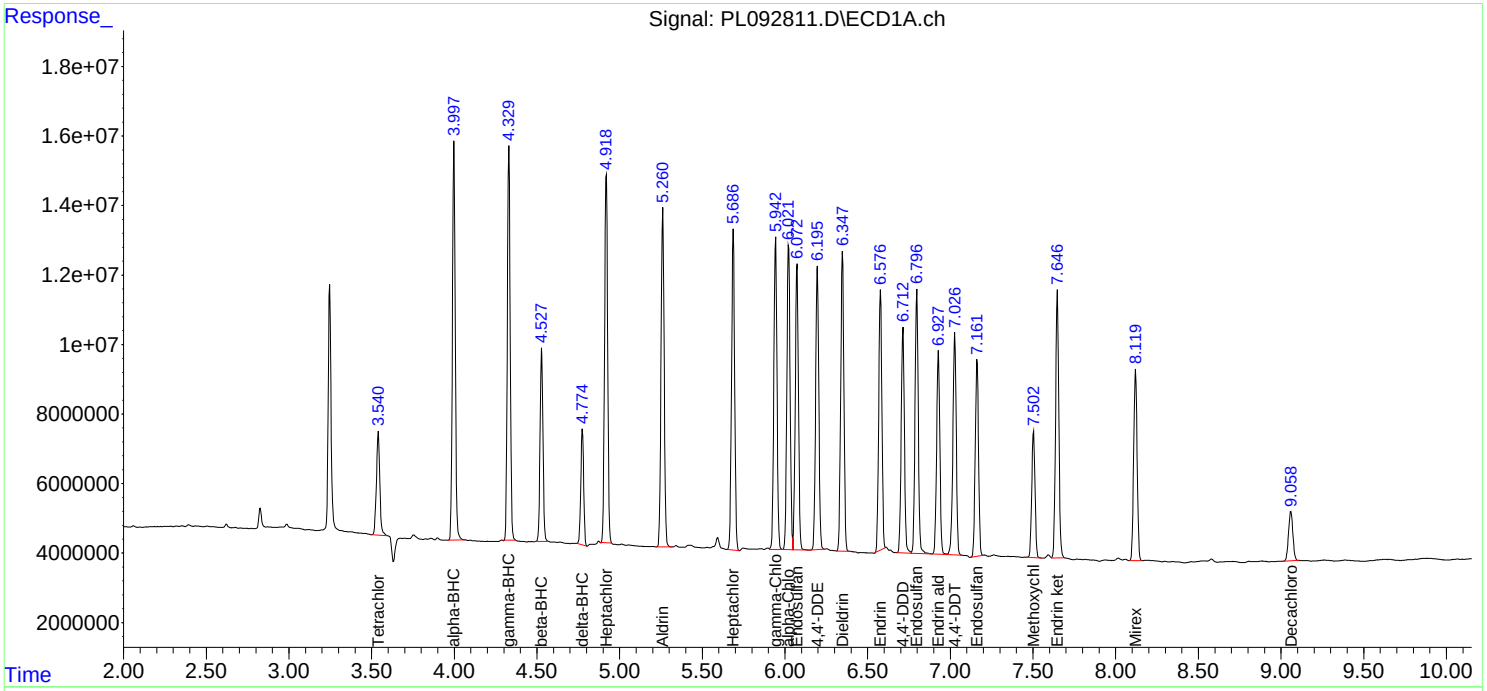
Instrument :
ECD_L
ClientSampleId :
RES-BUILDING-PAD-NO-2MSD

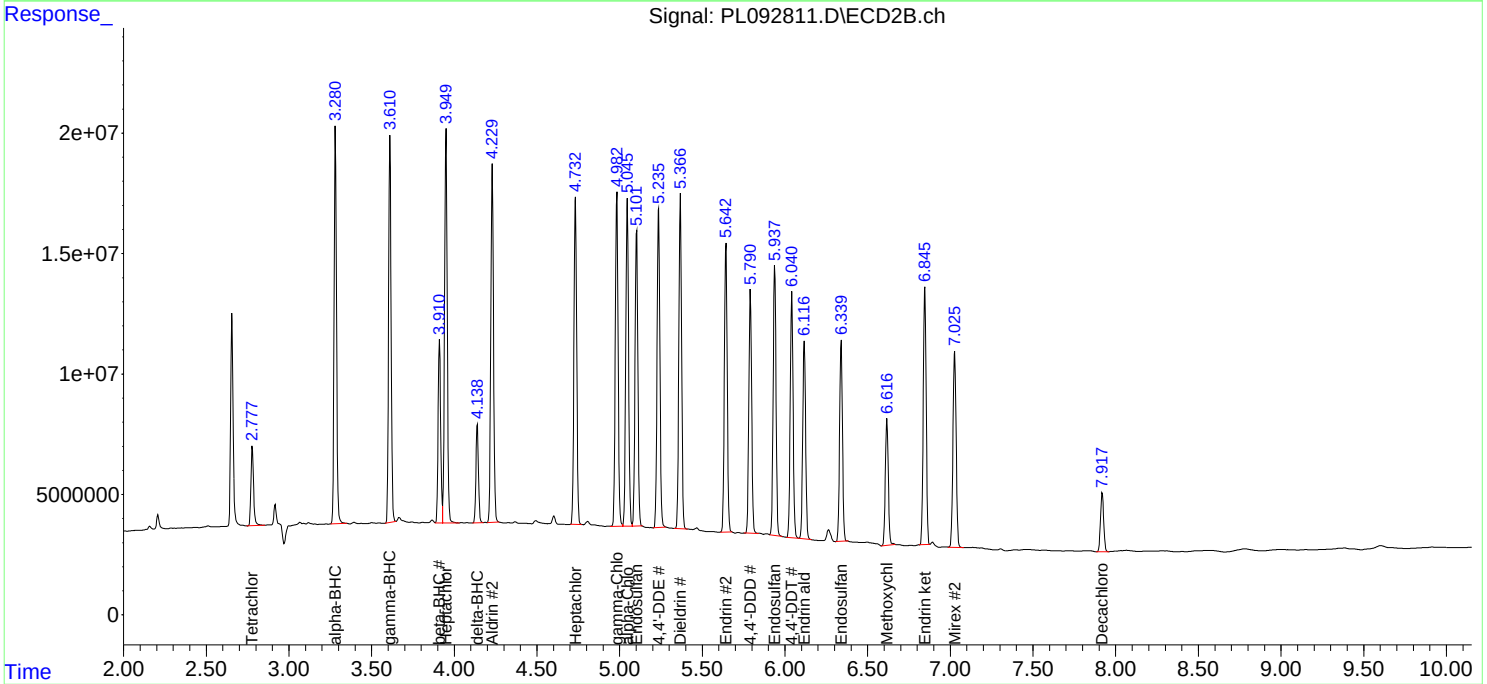
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 11/04/2024
Supervised By :Ankita Jodhani 11/04/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 04 01:45:24 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL102824.M
Quant Title : GC Extractables
QLast Update : Mon Oct 28 18:58:23 2024
Response via : Initial Calibration
Integrator: ChemStation

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





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Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092653.D	4,4"-DDD	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PEM	PL092653.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:09 AM	Ankita	10/29/2024 10:01:26	Peak Integrated by Software
PSTDICC005	PL092659.D	delta-BHC	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PSTDICC005	PL092659.D	Heptachlor epoxide	Abdul	10/29/2024 9:08:13 AM	Ankita	10/29/2024 10:01:28	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDD #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	4,4"-DDE #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PEM	PL092674.D	Endrin ketone #2	Abdul	10/29/2024 9:08:21 AM	Ankita	10/29/2024 10:01:31	Peak Integrated by Software
PSTDCCC050	PL092675.D	Aldrin	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Dieldrin #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	gamma-BHC (Lindane)	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
PSTDCCC050	PL092675.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:08:25 AM	Ankita	10/29/2024 10:01:33	Peak Integrated by Software
I.BLK	PL092690.D	Tetrachloro-m-xylene #2	Abdul	10/29/2024 9:09:28 AM	Ankita	10/29/2024 10:02:09	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL102824	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PSTDCCC050	PL092691.D	Endosulfan II #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	gamma-Chlordane	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Heptachlor epoxide	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software
PSTDCCC050	PL092691.D	Mirex #2	Abdul	10/29/2024 9:09:32 AM	Ankita	10/29/2024 10:02:10	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL110124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL092788.D	4,4"-DDD	Abdul	11/1/2024 5:37:31 PM	Ankita	11/4/2024 10:11:13	Peak Integrated by Software
PEM	PL092788.D	Endrin aldehyde	Abdul	11/1/2024 5:37:31 PM	Ankita	11/4/2024 10:11:13	Peak Integrated by Software
PEM	PL092788.D	Endrin aldehyde #2	Abdul	11/1/2024 5:37:31 PM	Ankita	11/4/2024 10:11:13	Peak Integrated by Software
PEM	PL092788.D	Endrin ketone #2	Abdul	11/1/2024 5:37:31 PM	Ankita	11/4/2024 10:11:13	Peak Integrated by Software
P4663-02	PL092806.D	4,4"-DDT	Abdul	11/4/2024 7:35:09 AM	Ankita	11/4/2024 10:11:25	Peak Integrated by Software
P4663-02	PL092806.D	4,4"-DDT #2	Abdul	11/4/2024 7:35:09 AM	Ankita	11/4/2024 10:11:25	Peak Integrated by Software
P4663-02	PL092806.D	alpha-Chlordane #2	Abdul	11/4/2024 7:35:09 AM	Ankita	11/4/2024 10:11:25	Peak Integrated by Software
P4663-04	PL092807.D	4,4"-DDE	Abdul	11/4/2024 7:35:12 AM	Ankita	11/4/2024 10:11:26	Peak Integrated by Software
P4663-04	PL092807.D	4,4"-DDE #2	Abdul	11/4/2024 7:35:12 AM	Ankita	11/4/2024 10:11:26	Peak Integrated by Software
P4663-04	PL092807.D	Decachlorobiphenyl	Abdul	11/4/2024 7:35:12 AM	Ankita	11/4/2024 10:11:26	Peak Integrated by Software
P4663-08	PL092809.D	Decachlorobiphenyl #2	Abdul	11/4/2024 7:35:16 AM	Ankita	11/4/2024 10:11:28	Peak Integrated by Software
P4663-08	PL092809.D	Tetrachloro-m-xylene	Abdul	11/4/2024 7:35:16 AM	Ankita	11/4/2024 10:11:28	Peak Integrated by Software
P4663-08MS	PL092810.D	Tetrachloro-m-xylene	Abdul	11/4/2024 7:35:20 AM	Ankita	11/4/2024 10:11:30	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL110124	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
P4663-08MSD	PL092811.D	Tetrachloro-m-xylene	Abdul	11/4/2024 7:35:25 AM	Ankita	11/4/2024 10:11:32	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092651.D	28 Oct 2024 13:41	AR\AJ	Ok
2	I.BLK	PL092652.D	28 Oct 2024 13:55	AR\AJ	Ok
3	PEM	PL092653.D	28 Oct 2024 14:16	AR\AJ	Ok,M
4	RESCHK	PL092654.D	28 Oct 2024 14:29	AR\AJ	Ok
5	PSTDICC100	PL092655.D	28 Oct 2024 14:43	AR\AJ	Ok
6	PSTDICC075	PL092656.D	28 Oct 2024 14:56	AR\AJ	Ok
7	PSTDICC050	PL092657.D	28 Oct 2024 15:09	AR\AJ	Ok
8	PSTDICC025	PL092658.D	28 Oct 2024 15:23	AR\AJ	Ok
9	PSTDICC005	PL092659.D	28 Oct 2024 15:36	AR\AJ	Ok,M
10	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49	AR\AJ	Ok
11	PCHLORICC750	PL092661.D	28 Oct 2024 16:03	AR\AJ	Ok
12	PCHLORICC500	PL092662.D	28 Oct 2024 16:16	AR\AJ	Ok
13	PCHLORICC250	PL092663.D	28 Oct 2024 16:30	AR\AJ	Ok
14	PCHLORICC050	PL092664.D	28 Oct 2024 16:43	AR\AJ	Ok
15	PTOXICC1000	PL092665.D	28 Oct 2024 16:56	AR\AJ	Ok
16	PTOXICC750	PL092666.D	28 Oct 2024 17:10	AR\AJ	Ok
17	PTOXICC500	PL092667.D	28 Oct 2024 17:23	AR\AJ	Ok
18	PTOXICC250	PL092668.D	28 Oct 2024 17:37	AR\AJ	Ok
19	PTOXICC100	PL092669.D	28 Oct 2024 17:50	AR\AJ	Ok,M
20	PSTDICV050	PL092670.D	28 Oct 2024 18:03	AR\AJ	Ok
21	PCHLORICV500	PL092671.D	28 Oct 2024 18:30	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	PTOXICV500	PL092672.D	28 Oct 2024 18:57	AR\AJ	Ok
23	I.BLK	PL092673.D	28 Oct 2024 19:24	AR\AJ	Ok
24	PEM	PL092674.D	28 Oct 2024 19:37	AR\AJ	Ok,M
25	PSTDCCC050	PL092675.D	28 Oct 2024 19:51	AR\AJ	Ok,M
26	PB164460BL	PL092676.D	28 Oct 2024 20:04	AR\AJ	Ok,M
27	PB164460BS	PL092677.D	28 Oct 2024 20:17	AR\AJ	Ok,M
28	P4575-01	PL092678.D	28 Oct 2024 20:31	AR\AJ	Ok,M
29	P4566-01	PL092679.D	28 Oct 2024 20:44	AR\AJ	Ok,M
30	P4567-01	PL092680.D	28 Oct 2024 20:57	AR\AJ	Ok,M
31	P4567-05	PL092681.D	28 Oct 2024 21:11	AR\AJ	Ok
32	P4567-09	PL092682.D	28 Oct 2024 21:24	AR\AJ	Ok,M
33	P4574-01	PL092683.D	28 Oct 2024 21:38	AR\AJ	Ok,M
34	P4574-04	PL092684.D	28 Oct 2024 21:51	AR\AJ	Ok,M
35	P4577-01	PL092685.D	28 Oct 2024 22:04	AR\AJ	Ok,M
36	P4561-01	PL092686.D	28 Oct 2024 22:18	AR\AJ	Ok,M
37	P4561-01MS	PL092687.D	28 Oct 2024 22:31	AR\AJ	Ok,M
38	P4561-01MSD	PL092688.D	28 Oct 2024 22:44	AR\AJ	Ok,M
39	P4561-05	PL092689.D	28 Oct 2024 22:58	AR\AJ	Ok,M
40	I.BLK	PL092690.D	28 Oct 2024 23:11	AR\AJ	Ok,M
41	PSTDCCC050	PL092691.D	29 Oct 2024 00:32	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 # PL110124

Review By	Abdul	Review On	11/1/2024 5:37:46 PM		
Supervise By	Ankita	Supervise On	11/4/2024 10:11:38 AM		
SubDirectory	PL110124	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL092786.D	01 Nov 2024 08:37	AR\AJ	Ok
2	I.BLK	PL092787.D	01 Nov 2024 08:51	AR\AJ	Ok
3	PEM	PL092788.D	01 Nov 2024 11:43	AR\AJ	Ok,M
4	PSTDCCC050	PL092789.D	01 Nov 2024 11:56	AR\AJ	Ok
5	P4617-04	PL092790.D	01 Nov 2024 12:10	AR\AJ	Ok
6	P4617-04MS	PL092791.D	01 Nov 2024 12:24	AR\AJ	Ok,M
7	P4617-04MSD	PL092792.D	01 Nov 2024 12:38	AR\AJ	Ok,M
8	PB164579BL	PL092793.D	01 Nov 2024 12:52	AR\AJ	Ok
9	PB164579BS	PL092794.D	01 Nov 2024 13:05	AR\AJ	Ok
10	PB164522TB	PL092795.D	01 Nov 2024 13:19	AR\AJ	Ok
11	P4495-20	PL092796.D	01 Nov 2024 13:33	AR\AJ	Dilution
12	P4495-20DL	PL092797.D	01 Nov 2024 13:47	AR\AJ	Dilution
13	P4495-20DL2	PL092798.D	01 Nov 2024 14:01	AR\AJ	Ok,M
14	I.BLK	PL092799.D	01 Nov 2024 14:15	AR\AJ	Ok
15	PSTDCCC050	PL092800.D	01 Nov 2024 14:29	AR\AJ	Ok
16	PB164592BL	PL092801.D	01 Nov 2024 14:47	AR\AJ	Ok
17	PB164592BS	PL092802.D	01 Nov 2024 15:01	AR\AJ	Ok
18	PB164579BS	PL092803.D	01 Nov 2024 15:14	AR\AJ	Ok,M
19	P4645-01	PL092804.D	01 Nov 2024 15:29	AR\AJ	Ok,M
20	P4659-01	PL092805.D	01 Nov 2024 15:43	AR\AJ	Ok,M
21	P4663-02	PL092806.D	01 Nov 2024 15:56	AR\AJ	Ok,M

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Fax : 908 789 8922

Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110124

Review By	Abdul	Review On	11/1/2024 5:37:46 PM		
Supervise By	Ankita	Supervise On	11/4/2024 10:11:38 AM		
SubDirectory	PL110124	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4663-04	PL092807.D	01 Nov 2024 16:10	AR\AJ	Ok,M
23	P4663-06	PL092808.D	01 Nov 2024 16:24	AR\AJ	Ok
24	P4663-08	PL092809.D	01 Nov 2024 16:38	AR\AJ	Ok,M
25	P4663-08MS	PL092810.D	01 Nov 2024 16:52	AR\AJ	Ok,M
26	P4663-08MSD	PL092811.D	01 Nov 2024 17:06	AR\AJ	Ok,M
27	I.BLK	PL092812.D	01 Nov 2024 17:24	AR\AJ	Ok
28	PSTDCCC050	PL092813.D	01 Nov 2024 17:38	AR\AJ	Ok

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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092651.D	28 Oct 2024 13:41		AR\AJ	Ok
2	I.BLK	I.BLK	PL092652.D	28 Oct 2024 13:55		AR\AJ	Ok
3	PEM	PEM	PL092653.D	28 Oct 2024 14:16		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL092654.D	28 Oct 2024 14:29		AR\AJ	Ok
5	PSTDICC100	PSTDICC100	PL092655.D	28 Oct 2024 14:43		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL092656.D	28 Oct 2024 14:56		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL092657.D	28 Oct 2024 15:09		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL092658.D	28 Oct 2024 15:23		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL092659.D	28 Oct 2024 15:36		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL092660.D	28 Oct 2024 15:49		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL092661.D	28 Oct 2024 16:03		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL092662.D	28 Oct 2024 16:16		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL092663.D	28 Oct 2024 16:30		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL092664.D	28 Oct 2024 16:43		AR\AJ	Ok
15	PTOXICC1000	PTOXICC1000	PL092665.D	28 Oct 2024 16:56		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL092666.D	28 Oct 2024 17:10		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL092667.D	28 Oct 2024 17:23		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL092668.D	28 Oct 2024 17:37		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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	PTOXICC100	PTOXICC100	PL092669.D	28 Oct 2024 17:50		AR\AJ	Ok,M
20	PSTDICV050	ICVPL102824	PL092670.D	28 Oct 2024 18:03		AR\AJ	Ok
21	PCHLORICV500	ICVPL102824CHLOR	PL092671.D	28 Oct 2024 18:30		AR\AJ	Ok
22	PTOXICV500	ICVPL102824TOX	PL092672.D	28 Oct 2024 18:57		AR\AJ	Ok
23	I.BLK	I.BLK	PL092673.D	28 Oct 2024 19:24		AR\AJ	Ok
24	PEM	PEM	PL092674.D	28 Oct 2024 19:37		AR\AJ	Ok,M
25	PSTDCCC050	PSTDCCC050	PL092675.D	28 Oct 2024 19:51		AR\AJ	Ok,M
26	PB164460BL	PB164460BL	PL092676.D	28 Oct 2024 20:04		AR\AJ	Ok,M
27	PB164460BS	PB164460BS	PL092677.D	28 Oct 2024 20:17		AR\AJ	Ok,M
28	P4575-01	PL-02-102424	PL092678.D	28 Oct 2024 20:31		AR\AJ	Ok,M
29	P4566-01	HD-01-102524	PL092679.D	28 Oct 2024 20:44		AR\AJ	Ok,M
30	P4567-01	WC-1	PL092680.D	28 Oct 2024 20:57		AR\AJ	Ok,M
31	P4567-05	WC-2	PL092681.D	28 Oct 2024 21:11		AR\AJ	Ok
32	P4567-09	WC-3	PL092682.D	28 Oct 2024 21:24		AR\AJ	Ok,M
33	P4574-01	GRAVEL-1	PL092683.D	28 Oct 2024 21:38		AR\AJ	Ok,M
34	P4574-04	GRAVEL-2	PL092684.D	28 Oct 2024 21:51		AR\AJ	Ok,M
35	P4577-01	TR-05-102524	PL092685.D	28 Oct 2024 22:04		AR\AJ	Ok,M
36	P4561-01	BP-F-19	PL092686.D	28 Oct 2024 22:18		AR\AJ	Ok,M
37	P4561-01MS	BP-F-19MS	PL092687.D	28 Oct 2024 22:31		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 # PL102824

Review By	Abdul	Review On	10/29/2024 9:09:59 AM		
Supervise By	Ankita	Supervise On	10/29/2024 10:02:30 AM		
SubDirectory	PL102824	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P4561-01MSD	BP-F-19MSD	PL092688.D	28 Oct 2024 22:44		AR\AJ	Ok,M
39	P4561-05	BP-F-18	PL092689.D	28 Oct 2024 22:58		AR\AJ	Ok,M
40	I.BLK	I.BLK	PL092690.D	28 Oct 2024 23:11		AR\AJ	Ok,M
41	PSTDCCC050	PSTDCCC050	PL092691.D	29 Oct 2024 00:32		AR\AJ	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL110124

Review By	Abdul	Review On	11/1/2024 5:37:46 PM		
Supervise By	Ankita	Supervise On	11/4/2024 10:11:38 AM		
SubDirectory	PL110124	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL092786.D	01 Nov 2024 08:37		AR\AJ	Ok
2	I.BLK	I.BLK	PL092787.D	01 Nov 2024 08:51		AR\AJ	Ok
3	PEM	PEM	PL092788.D	01 Nov 2024 11:43		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL092789.D	01 Nov 2024 11:56		AR\AJ	Ok
5	P4617-04	CONCRETE-PILE	PL092790.D	01 Nov 2024 12:10		AR\AJ	Ok
6	P4617-04MS	CONCRETE-PILEMS	PL092791.D	01 Nov 2024 12:24	TCMX high in 1st column	AR\AJ	Ok,M
7	P4617-04MSD	CONCRETE-PILEMSD	PL092792.D	01 Nov 2024 12:38		AR\AJ	Ok,M
8	PB164579BL	PB164579BL	PL092793.D	01 Nov 2024 12:52		AR\AJ	Ok
9	PB164579BS	PB164579BS	PL092794.D	01 Nov 2024 13:05		AR\AJ	Ok
10	PB164522TB	PB164522TB	PL092795.D	01 Nov 2024 13:19		AR\AJ	Ok
11	P4495-20	PT-PEST-SOIL	PL092796.D	01 Nov 2024 13:33	Need dilution	AR\AJ	Dilution
12	P4495-20DL	PT-PEST-SOILDL	PL092797.D	01 Nov 2024 13:47	Need dilution	AR\AJ	Dilution
13	P4495-20DL2	PT-PEST-SOILDL2	PL092798.D	01 Nov 2024 14:01		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL092799.D	01 Nov 2024 14:15		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL092800.D	01 Nov 2024 14:29		AR\AJ	Ok
16	PB164592BL	PB164592BL	PL092801.D	01 Nov 2024 14:47		AR\AJ	Ok
17	PB164592BS	PB164592BS	PL092802.D	01 Nov 2024 15:01		AR\AJ	Ok
18	PB164579BS	PB164579BS	PL092803.D	01 Nov 2024 15:14		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 # PL110124

Review By	Abdul	Review On	11/1/2024 5:37:46 PM		
Supervise By	Ankita	Supervise On	11/4/2024 10:11:38 AM		
SubDirectory	PL110124	HP Acquire Method		HP Processing Method	pl102824 8081

STD. NAME	STD REF.#
Tune/Reschk	PP23793,PP23517
Initial Calibration Stds	PP23673,PP23674,PP23675,PP23676,PP23677,PP23678,PP23679,PP23680,PP23681,PP23682,PP23683
CCC	PP23686,PP23690,PP23695
Internal Standard/PEM	
ICV/I.BLK	PP23687,PP23693,PP23698
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4645-01	Z-02-WC	PL092804.D	01 Nov 2024 15:29		AR\AJ	Ok,M
20	P4659-01	MH-2	PL092805.D	01 Nov 2024 15:43		AR\AJ	Ok,M
21	P4663-02	TENNANT-PAD-2-3-ST	PL092806.D	01 Nov 2024 15:56		AR\AJ	Ok,M
22	P4663-04	RES-BUILDING-PAD-N	PL092807.D	01 Nov 2024 16:10		AR\AJ	Ok,M
23	P4663-06	RES-BUILDING-PAD-N	PL092808.D	01 Nov 2024 16:24		AR\AJ	Ok
24	P4663-08	RES-BUILDING-PAD-N	PL092809.D	01 Nov 2024 16:38		AR\AJ	Ok,M
25	P4663-08MS	RES-BUILDING-PAD-N	PL092810.D	01 Nov 2024 16:52	Comp#7 recovery fail	AR\AJ	Ok,M
26	P4663-08MSD	RES-BUILDING-PAD-N	PL092811.D	01 Nov 2024 17:06	Comp#7 recovery fail	AR\AJ	Ok,M
27	I.BLK	I.BLK	PL092812.D	01 Nov 2024 17:24		AR\AJ	Ok
28	PSTDCCC050	PSTDCCC050	PL092813.D	01 Nov 2024 17:38		AR\AJ	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

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
P4647-01	01A-01B-01C	1	1.00	1.00	2.00	2.00	100.0	caluk
P4658-01	B-131-1-SB02	2	1.16	8.56	9.72	5.57	51.5	
P4658-02	B-131-2-SB02	3	1.15	8.63	9.78	5.91	55.2	
P4658-03	B-131-3-SB02	4	1.14	8.37	9.51	5.83	56.0	
P4659-02	MH-2-EPH	5	1.14	8.59	9.73	8.7	88.0	
P4659-03	MH-2-VOC	6	1.16	8.70	9.86	8.83	88.2	
P4660-02	WC-TA2-01-C	7	1.13	8.76	9.89	8.92	88.9	
P4660-06	WC-WOOD-01-C	8	1.00	1.00	2.00	2.00	100.0	wood chips
P4660-10	WC-CONCRETE-01-C	9	1.14	8.55	9.69	9.03	92.3	
P4660-12	WC-CONCRETE-01-C	10	1.14	8.54	9.68	9.06	92.7	
P4661-01	102824-A	11	1.00	1.00	2.00	2.00	100.0	wipe sample
P4661-02	102824-B	12	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-01	102524-DRIP-A	13	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-02	102524-B	14	1.00	1.00	2.00	2.00	100.0	wipe sample
P4662-03	102524-C	15	1.00	1.00	2.00	2.00	100.0	wipe sample
P4663-01	TENNANT-PAD-2-3-STOCKPILE	16	1.14	8.75	9.89	9.1	91.0	
P4663-02	TENNANT-PAD-2-3-STOCKPILE	17	1.16	8.75	9.91	9.11	90.9	
P4663-03	RES-BUILDING-PAD-NO-11	18	1.16	8.74	9.9	9.19	91.9	
P4663-04	RES-BUILDING-PAD-NO-11	19	1.16	8.67	9.83	9.11	91.7	
P4663-05	RES-BUILDING-PAD-NO-3	20	1.15	8.61	9.76	8.94	90.5	
P4663-06	RES-BUILDING-PAD-NO-3	21	1.16	8.64	9.8	9.04	91.2	
P4663-07	RES-BUILDING-PAD-NO-2	22	1.16	8.46	9.62	8.41	85.7	
P4663-08	RES-BUILDING-PAD-NO-2	23	1.17	8.78	9.95	9.19	91.3	
P4667-01	BP-F-6	24	1.16	8.42	9.58	8.66	89.1	
P4667-02	BP-F-6-EPH	25	1.18	8.51	9.69	8.7	88.4	
P4667-03	BP-F-6-VOC	26	1.19	8.65	9.84	8.88	88.9	
P4667-05	BP-F-5	27	1.16	8.51	9.67	8.76	89.3	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

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
P4667-06	BP-F-5-EPH	28	1.16	8.52	9.68	8.76	89.2	
P4667-07	BP-F-5-VOC	29	1.17	8.64	9.81	8.79	88.2	
P4667-09	BP-F-10	30	1.17	8.78	9.95	8.98	89.0	
P4667-10	BP-F-10-EPH	31	1.17	8.54	9.71	8.84	89.8	
P4667-11	BP-F-10-VOC	32	1.16	8.81	9.97	9.06	89.7	
P4667-13	BP-F-7	33	1.16	8.71	9.87	8.91	89.0	
P4667-14	BP-F-7-EPH	34	1.17	8.44	9.61	8.57	87.7	
P4667-15	BP-F-7-VOC	35	1.18	8.42	9.6	8.72	89.5	
P4672-01	TAPLPR-SED06-103024-00-T2	36	1.19	8.65	9.84	7.71	75.4	
P4672-02	TAPLPR-SED07-103024-00-T2	37	1.19	8.47	9.66	8.48	86.1	
P4672-03	TAPLPR-SED03-103024-00-T2	38	1.19	8.68	9.87	8.31	82.0	
P4672-04	TAPLPR-SED04-103024-00-T2	39	1.19	8.77	9.96	8.77	86.4	
P4672-05	TAPLPR-SED05-103024-00-T2	40	1.18	8.62	9.8	8.41	83.9	
P4675-01	COMP-1	41	1.18	8.56	9.74	7.85	77.9	
P4675-02	COMP-2	42	1.19	8.48	9.67	8.46	85.7	
P4675-03	COMP-3	43	1.19	8.78	9.97	8.99	88.8	
P4675-04	COMP-4	44	1.18	8.71	9.89	8.4	82.9	
P4675-05	COMP-5	45	1.17	8.54	9.71	8.18	82.1	
P4675-06	COMP-6	46	1.17	8.70	9.87	8.24	81.3	
P4677-01	2410-6346	47	1.00	1.00	2.00	2.00	100.0	PAINT CHIPS
P4679-01	MH-1	48	1.18	8.80	9.98	8.98	88.6	
P4679-02	MH-1-EPH	49	1.19	8.58	9.77	8.65	86.9	
P4679-03	MH-1-VOC	50	1.19	8.62	9.81	8.72	87.4	
P4680-01	BP-F26	51	1.18	8.80	9.98	9.08	89.8	
P4680-02	BP-F26-EPH	52	1.18	8.44	9.62	8.71	89.2	
P4680-03	BP-F26-VOC	53	1.19	8.50	9.69	8.75	88.9	

PERCENT SOLID

Supervisor: jignesh
Analyst: Iwona
Date: 11/4/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 15:15
In Date: 11/01/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:00
Out Date: 11/02/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133250

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
P4680-05	BP-F25	54	1.18	8.69	9.87	8.9	88.8	
P4680-06	BP-F25-EPH	55	1.19	8.79	9.98	8.91	87.8	
P4680-07	BP-F25-VOC	56	1.18	8.60	9.78	8.86	89.3	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 183250

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4647-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	K61	10/31/2024	Chemtech -SO
P4658-01	B-131-1-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-02	B-131-2-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4658-03	B-131-3-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	K61	10/31/2024	Chemtech -SO
P4659-02	MH-2-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4659-03	MH-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4660-02	WC-TA2-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/30/2024	Chemtech -SO
P4660-06	WC-WOOD-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-10	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4660-12	WC-CONCRETE-01-C	Solid	Percent Solids	Cool 4 deg C	ENTA05	K41	10/31/2024	Chemtech -SO
P4661-01	102824-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4661-02	102824-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4662-01	102524-DRIP-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-02	102524-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4662-03	102524-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	K61	10/31/2024	Chemtech -SO
P4663-01	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-03	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-05	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/24 15:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

Date/Time 11/01/24 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: [signature]

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-07	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Percent Solids	Cool 4 deg C	UNIO02	K41	10/31/2024	Chemtech -SO
P4667-01	BP-F-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-02	BP-F-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-03	BP-F-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-05	BP-F-5	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-06	BP-F-5-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-07	BP-F-5-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-09	BP-F-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-10	BP-F-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-11	BP-F-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-13	BP-F-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-14	BP-F-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4667-15	BP-F-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	K51	10/31/2024	Chemtech -SO
P4672-01	TAPLPR-SED06-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-02	TAPLPR-SED07-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-03	TAPLPR-SED03-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-04	TAPLPR-SED04-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4672-05	TAPLPR-SED05-103024-00-T2	Solid	Percent Solids	Cool 4 deg C	WEST04	K41	10/30/2024	Chemtech -SO
P4675-01	COMP-1	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-02	COMP-2	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO

Date/Time 11/01/2024 ~~14:00~~ 15:30

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time 11/01/2024 ~~15:30~~ 17:20

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %solid-110124 **WorkList ID :** 185025 **Department :** Wet-Chemistry **Date :** 11-01-2024 12:08:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4675-03	COMP-3	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-04	COMP-4	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-05	COMP-5	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4675-06	COMP-6	Solid	Percent Solids	Cool 4 deg C	POWE02	K41	10/31/2024	Chemtech -SO
P4677-01	2410-6346	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-01	MH-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-02	MH-1-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4679-03	MH-1-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L11	11/01/2024	Chemtech -SO
P4680-01	BP-F26	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-02	BP-F26-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-03	BP-F26-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-05	BP-F25	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-06	BP-F25-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO
P4680-07	BP-F25-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L12	11/01/2024	Chemtech -SO

Date/Time 11/01/24 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

17:30

Date/Time 11/01/24 ~~15:30~~

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: [illegible]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB164592

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	Florisil			**Extraction Start Date :**	11/01/2024
Matrix :	Solid			**Extraction Start Time :**	09:12
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	11/01/2024
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	14:00
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	rajesh

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	PP23638
Surrogate	1.0ML	200 PPB	PP23858
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	EP2539
Baked Na2SO4	N/A	EP2554
Sand	N/A	E2865
Hexane	N/A	E3819
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

Extraction Conformance/Non-Conformance Comments:

40 ML Vial lot# 03-40 BTS721. P 4663 All samples Added in batch at 11:00.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/01/24	RR (Ext Lab)	TL-PEST-PCB
14:05	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB164592

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/01/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164592BL	PBLK592	Pesticide-TCL	30.01	N/A	ritesh	RUPESH	10			U1-1
PB164592BS	PLCS592	Pesticide-TCL	30.03	N/A	ritesh	RUPESH	10			2
P4645-01	Z-02-WC	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	D		3
P4659-01	MH-2	Pesticide-TCL	30.09	N/A	ritesh	RUPESH	10	D		4
P4663-02	TENNANT-PAD-2-3-STOCKPILE	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	D		5
P4663-04	RES-BUILDING-PAD-NO-11	Pesticide-TCL	30.08	N/A	ritesh	RUPESH	10	D		6
P4663-06	RES-BUILDING-PAD-NO-3	Pesticide-TCL	30.10	N/A	ritesh	RUPESH	10	D		U5-1
P4663-08	RES-BUILDING-PAD-NO-2	Pesticide-TCL	30.06	N/A	ritesh	RUPESH	10	D		2
P4663-08MS	RES-BUILDING-PAD-NO-2 MS	Pesticide-TCL	30.02	N/A	ritesh	RUPESH	10	D		3
P4663-08MSD	RES-BUILDING-PAD-NO-2 MSD	Pesticide-TCL	30.04	N/A	ritesh	RUPESH	10	D		4

* **Extracts relinquished on the same date as received.**

11/01/24

164592
11:00 dlw

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4663 **WorkList ID :** 185017 **Department :** Extraction **Date :** 11-01-2024 11:00:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-02	TENNANT-PAD-2-3-STOCKPIL	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-04	RES-BUILDING-PAD-NO-11	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-04	RES-BUILDING-PAD-NO-11	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-04	RES-BUILDING-PAD-NO-11	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-06	RES-BUILDING-PAD-NO-3	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-06	RES-BUILDING-PAD-NO-3	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-06	RES-BUILDING-PAD-NO-3	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E
P4663-08	RES-BUILDING-PAD-NO-2	Solid	PCB	Cool 4 deg C	UNIO02	K41	10/31/2024	8082A
P4663-08	RES-BUILDING-PAD-NO-2	Solid	Pesticide-TCL	Cool 4 deg C	UNIO02	K41	10/31/2024	8081B
P4663-08	RES-BUILDING-PAD-NO-2	Solid	SVOCMS Group1	Cool 4 deg C	UNIO02	K41	10/31/2024	8270E

Date/Time 11/01/24 11:00
Raw Sample Received by: RJ (Eel Lab)
Raw Sample Relinquished by: RM CSM

Date/Time 11/01/24 11:15
Raw Sample Received by: RM CSM
Raw Sample Relinquished by: RJ (Eel Lab)

16U582
9:12

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4645PEST **WorkList ID :** 185005 **Department :** Extraction **Date :** 11-01-2024 08:35:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4645-01	Z-02-WC	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K63	10/31/2024	8081B
P4659-01	MH-2	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	K61	10/31/2024	8081B

Date/Time 11/01/24 9:10
Raw Sample Received by: RJ (Set lab)
Raw Sample Relinquished by: JD CSM

Date/Time 11/01/24 9:25
Raw Sample Received by: JD CSM
Raw Sample Relinquished by: RJ (Set lab)

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. QUOTE NO. P4663
COC Number 2042152

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Union Paving & Construction Co
ADDRESS: 891 RT 10 E
CITY Whippany STATE: NJ ZIP:
ATTENTION: Gregory B
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER: Gregory B
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

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 Clean fill VOCs 2 3 4 5 6 7 8 9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (E)	PRESERVATIVES 2 (E)	3	4	5	6	7	8	9	COMMENTS
1.	Tennant Pad 2/3 stockpile	SOL	X		103124	1245	4	X									
2.	Tennant Pad 2/3 stock pile			X		1250	4		X								0.0 ppm
3.	Res Building Pad No. 11		X			1300	4	X									
4.	Res Building Pad No. 11			X		1304	4		X								0.0 ppm
5.	Res Building Pad No. 3		X			1320	4	X									
6.	Res Building Pad No. 3			X		1326	4		X								0.0 ppm
7.	Res Building Pad No. 2		X			1335	4	X									
8.	Res Building Pad No. 2			X		1339	4		X								0.0 ppm
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.	10-31-24 1355	1.
2.		2.
3.	10-31-24 1645	3.

Conditions of bottles or coolers at receipt: ✓ COMPLIANT ❑ NON COMPLIANT ✓ COOLER TEMP 2.3 °C
Comments: PID Calibration 10-31-24

Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other _____
CHEMTECH: ❑ Picked Up ✓ Field Sampling

Shipment Complete ✓ YES ❑ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH
Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Union Paving & Construction Co
Service Order #:
Work Order #:
Labor WBS #:
Facility/Site:
Site Address: 891 RT 10 E Whippany, NJ

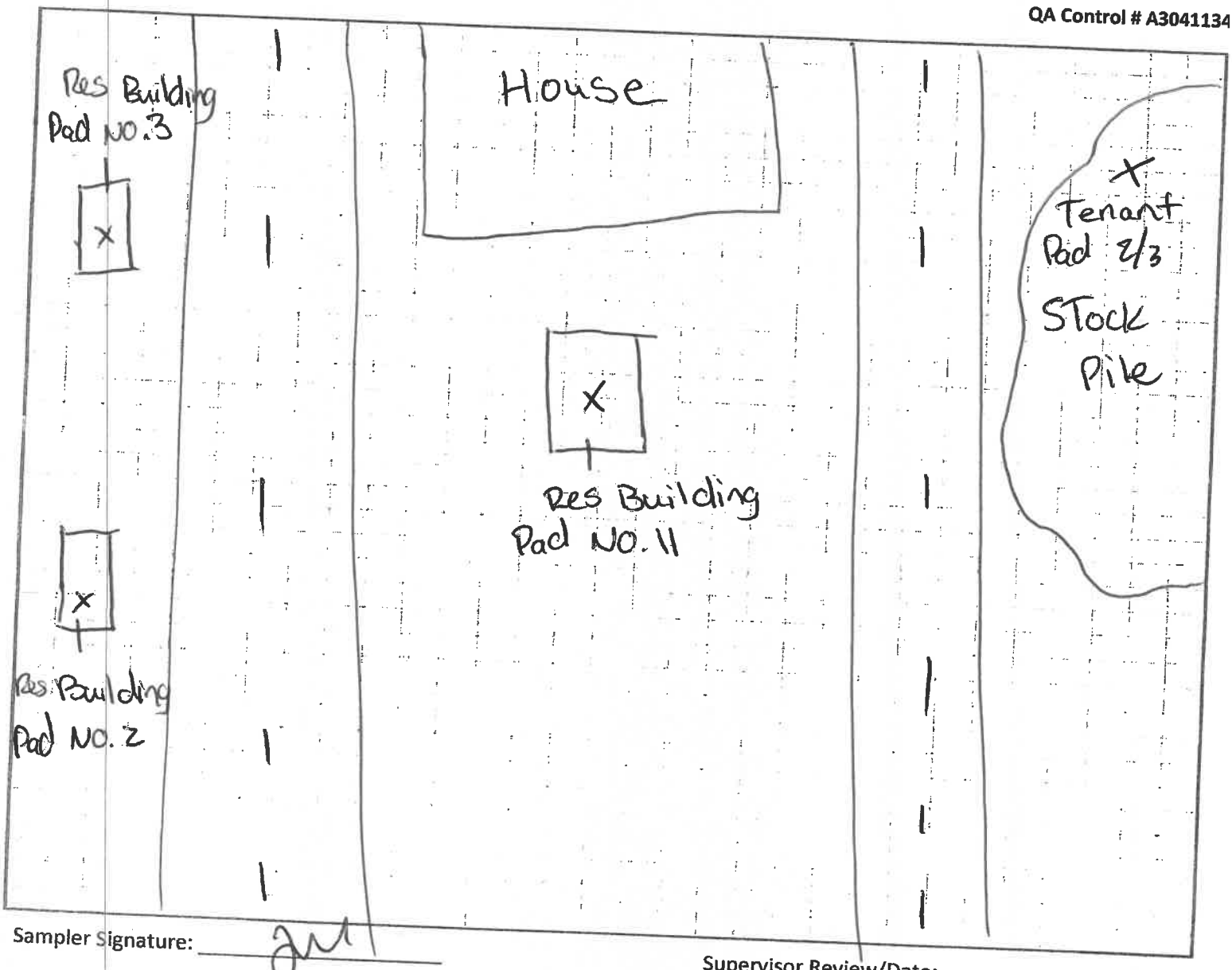
Chemtech Order ID:
Sampler Name: Jeremy M
Client Project Coordinator & Phone: Gregory B
Page #: 1 of 1
Date: 10-31-24
Arrive Time: 1230
Depart Time: 1355

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank
Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depths: 1 foot - 2 feet
Dimensions/CY: N/A
Temp (range): 2.3 °C
PID Readings (range): PPM
Odor: Y (N)
Color: Y (N)
Sample Description: Brown Rocky Soil.
Field Observations: 4 Spots, (1) Excavation Stockpile (3) Test pits.

Grid/Area Composite Map:

QA Control # A3041134



Sampler Signature: JM
Client Signature:
Supervisor Review/Date:
Date/Time Arrived at Lab:

CHEMTECH 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

Alliance TECHNICAL GROUP

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : P4663 UNIO02
Client Name : Union Paving & Constructi
Client Contact : Gregory Butler
Invoice Name : Union Paving & Constructi
Invoice Contact : Gregory Butler

Order Date : 10/31/2024 3:05:00 PM
Project Name : Rt. 10 Whippany
Receive DateTime : 10/31/2024 ~~12:00:00 AM~~ 16:45
Purchase Order :

Project Mgr :
Report Type : Level 3
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
P4663-01	TENNANT-PAD-2-3-STOCKPILE	Solid	10/31/2024	12:45					
					VOCMS Group1		8260D		3 Bus. Days
P4663-03	RES-BUILDING-PAD-NO-11	Solid	10/31/2024	13:00					
					VOCMS Group1		8260D		3 Bus. Days
P4663-05	RES-BUILDING-PAD-NO-3	Solid	10/31/2024	13:20					
					VOCMS Group1		8260D		3 Bus. Days
P4663-07	RES-BUILDING-PAD-NO-2	Solid	10/31/2024	13:35					
					VOCMS Group1		8260D		3 Bus. Days

Relinguished By :
Date / Time : 10-31-24 1710

Left inside SM fridge

Received By :
Date / Time : 11/01/24 12:00

Storage Area : VOA Refridgerator Room