CHEMTECH 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

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	N3259	**OrderDate:**	6/8/2022 12:24:00 PM
Client:	Inframark	**Project:**	Fresh Kills Landfill Leachate Treatment Plant
Contact:	Kevin Russell	**Location:**	N11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N3259-01	**BI-WEEKLY-INFLUENT**	**WATER**			**06/08/22**			**06/08/22**
			PESTICIDE Group1	608.3		06/09/22	06/09/22	
N3259-01RE	**BI-WEEKLY-INFLUENT RE**	**WATER**			**06/08/22**			**06/08/22**
			PESTICIDE Group1	608.3		06/09/22	06/10/22	

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Hit Summary Sheet
SW-846

SDG No.: N3259 **Order ID:** N3259

Client: Inframark **Project ID:** Fresh Kills Landfill Leachate Treatme

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**BI-WEEKLY-INFLUENT**						
N3259-01	BI-WEEKLY-INFLUI WATER	4,4-DDD	0.0071		0.00050	0.0050	ug/L
		Total Concentration:	**0.01**				
Client ID :	**BI-WEEKLY-INFLUENTRE**						
N3259-01RE	BI-WEEKLY-INFLUI WATER	4,4-DDD	0.0075		0.00050	0.0050	ug/L
		Total Concentration:	**0.01**				

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QC SUMMARY

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Surrogate Summary

SDG No.: N3259

Client: Inframark

Analytical Method: 608.3 Pest

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits Low	Limits High
I.BLK-PL075557.D	PIBLK-PL075557.D	Decachlorobiphenyl	1	20	19.7	99		27	155
		Tetrachloro-m-xylene	1	20	18.2	91		60	145
		Decachlorobiphenyl	2	20	19.6	98		27	155
		Tetrachloro-m-xylene	2	20	18.7	94		60	145
I.BLK-PL075669.D	PIBLK-PL075669.D	Decachlorobiphenyl	1	20	20.3	102		27	155
		Tetrachloro-m-xylene	1	20	20.2	101		60	145
		Decachlorobiphenyl	2	20	16.1	80		27	155
		Tetrachloro-m-xylene	2	20	18.3	92		60	145
N3259-01	BI-WEEKLY-INFLUENT	Tetrachloro-m-xylene	1	20	17.1	85		60	140
		Decachlorobiphenyl	1	20	7.35	37	*	60	140
		Tetrachloro-m-xylene	2	20	12.1	61		60	140
		Decachlorobiphenyl	2	20	5.07	25	*	60	140
PB145434BL	PB145434BL	Tetrachloro-m-xylene	1	20	20.6	103		60	140
		Decachlorobiphenyl	1	20	23.0	115		60	140
		Tetrachloro-m-xylene	2	20	18.9	94		60	140
		Decachlorobiphenyl	2	20	17.9	90		60	140
I.BLK-PL075676.D	PIBLK-PL075676.D	Decachlorobiphenyl	1	20	19.9	99		27	155
		Tetrachloro-m-xylene	1	20	20.3	102		60	145
		Decachlorobiphenyl	2	20	17.4	87		27	155
		Tetrachloro-m-xylene	2	20	18.7	94		60	145
I.BLK-PL075679.D	PIBLK-PL075679.D	Decachlorobiphenyl	1	20	21.2	106		27	155
		Tetrachloro-m-xylene	1	20	20.6	103		60	145
		Decachlorobiphenyl	2	20	16.8	84		27	155
		Tetrachloro-m-xylene	2	20	17.6	88		60	145
N3259-01RE	BI-WEEKLY-INFLUENTRE	Tetrachloro-m-xylene	1	20	17.3	87		60	140
		Decachlorobiphenyl	1	20	10.6	53	*	60	140
		Tetrachloro-m-xylene	2	20	12.1	60		60	140
		Decachlorobiphenyl	2	20	8.78	44	*	60	140
PB145434BS	PB145434BS	Tetrachloro-m-xylene	1	20	22.4	112		60	140
		Decachlorobiphenyl	1	20	20.5	103		60	140
		Tetrachloro-m-xylene	2	20	20.3	102		60	140
		Decachlorobiphenyl	2	20	18.5	93		60	140
PB145434BSD	PB145434BSD	Tetrachloro-m-xylene	1	20	22.3	112		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	18.7	94		60	140
		Decachlorobiphenyl	2	20	18.3	92		60	140
I.BLK-PL075693.D	PIBLK-PL075693.D	Decachlorobiphenyl	1	20	19.8	99		27	155
		Tetrachloro-m-xylene	1	20	20.7	104		60	145
		Decachlorobiphenyl	2	20	18.1	90		27	155
		Tetrachloro-m-xylene	2	20	19.0	95		60	145

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: N3259

Client: Inframark

Analytical Method: 608.3 Pest **Datafile :** PL075686.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB145434BS	alpha-BHC	0.0125	0.0089	ug/L	71				37	140	
	Heptachlor	0.0125	0.0096	ug/L	77				34	140	
	beta-BHC	0.0125	0.0094	ug/L	75				17	147	
	delta-BHC	0.0125	0.0057	ug/L	46				19	140	
	4,4'-DDE	0.0125	0.0096	ug/L	77				30	145	
	Endrin	0.0125	0.0096	ug/L	77				30	147	
	4,4'-DDD	0.0125	0.0096	ug/L	77				31	141	
	4,4'-DDT	0.0125	0.0090	ug/L	72				25	160	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: N3259

Client: Inframark

Analytical Method: 608.3 Pest **Datafile :** PL075687.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB145434BSD	alpha-BHC	0.0125	0.0099	ug/L	79	11			37	140	20
	Heptachlor	0.0125	0.0097	ug/L	78	1			34	140	20
	beta-BHC	0.0125	0.0095	ug/L	76	1			17	147	20
	delta-BHC	0.0125	0.0041	ug/L	33	33		*	19	140	20
	4,4'-DDE	0.0125	0.0098	ug/L	78	1			30	145	20
	Endrin	0.0125	0.011	ug/L	86	11			30	147	20
	4,4'-DDD	0.0125	0.0097	ug/L	78	1			31	141	20
	4,4'-DDT	0.0125	0.0084	ug/L	67	7			25	160	20

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB145434BL

Lab Name: CHEMTECH Contract: INFR01

Lab Code: CHEM Case No.: N3259 SAS No.: N3259 SDG NO.: N3259

Lab Sample ID: PB145434BL Lab File ID: PL075675.D

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

Sulfur Cleanup: (Y/N) N Date Extracted: 06/09/2022

Date Analyzed (1): 06/09/2022 Date Analyzed (2): 06/09/2022

Time Analyzed (1): 17:33 Time Analyzed (2): 17:33

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
BI-WEEKLY-INFLUENT	N3259-01	PL075671.D	06/09/2022	06/09/2022
PB145434BS	PB145434BS	PL075686.D	06/10/2022	06/10/2022
PB145434BSD	PB145434BSD	PL075687.D	06/10/2022	06/10/2022

COMMENTS:

CHEMTECH

SAMPLE DATA

Raw Data: **PL075671.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	06/08/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/08/22
Client Sample ID:	BI-WEEKLY-INFLUENT	SDG No.:	N3259
Lab Sample ID:	N3259-01	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075671.D	1	06/09/22 08:50	06/09/22 16:27	PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0050	U	0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0050	U	0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0050	U	0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0050	U	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0050	U	0.00050	0.0050	ug/L
72-20-8	Endrin	0.0050	U	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0071		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0050	U	0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.1		60 - 140	61%	SPK: 20
2051-24-3	Decachlorobiphenyl	5.07	*	60 - 140	25%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075671.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 16:27
Operator : AR\AJ
Sample : N3259-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:49:43 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.643	4.635	11522956	20322254	17.074m	12.110m#
28)	SA Decachlor...	11.645	10.384	4499752	7138086	7.350m	5.066 #
	Target Compounds						
16)	A 4,4'-DDD	9.202	8.212	3901138	10152344	7.130m	7.721m

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

Sample Results: **PL075671.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075671.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 16:27
Operator : AR\AJ
Sample : N3259-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

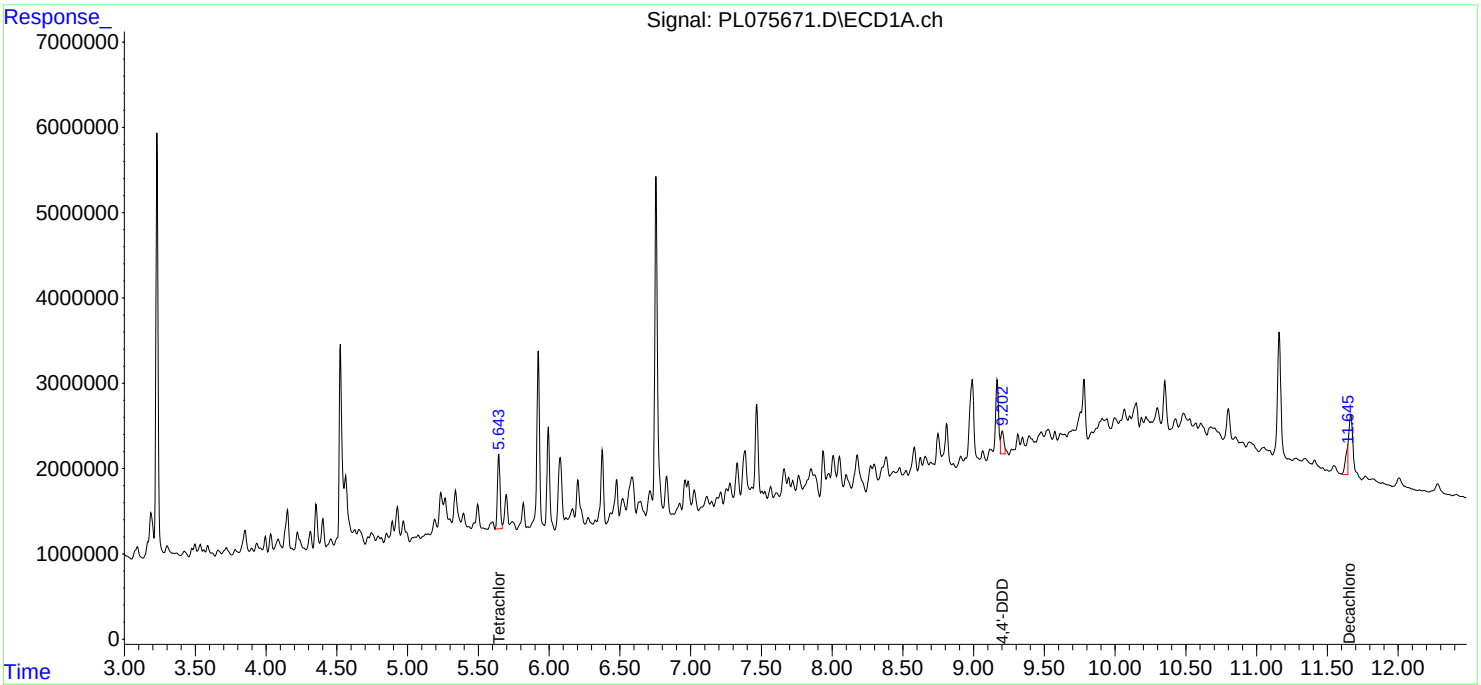
Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

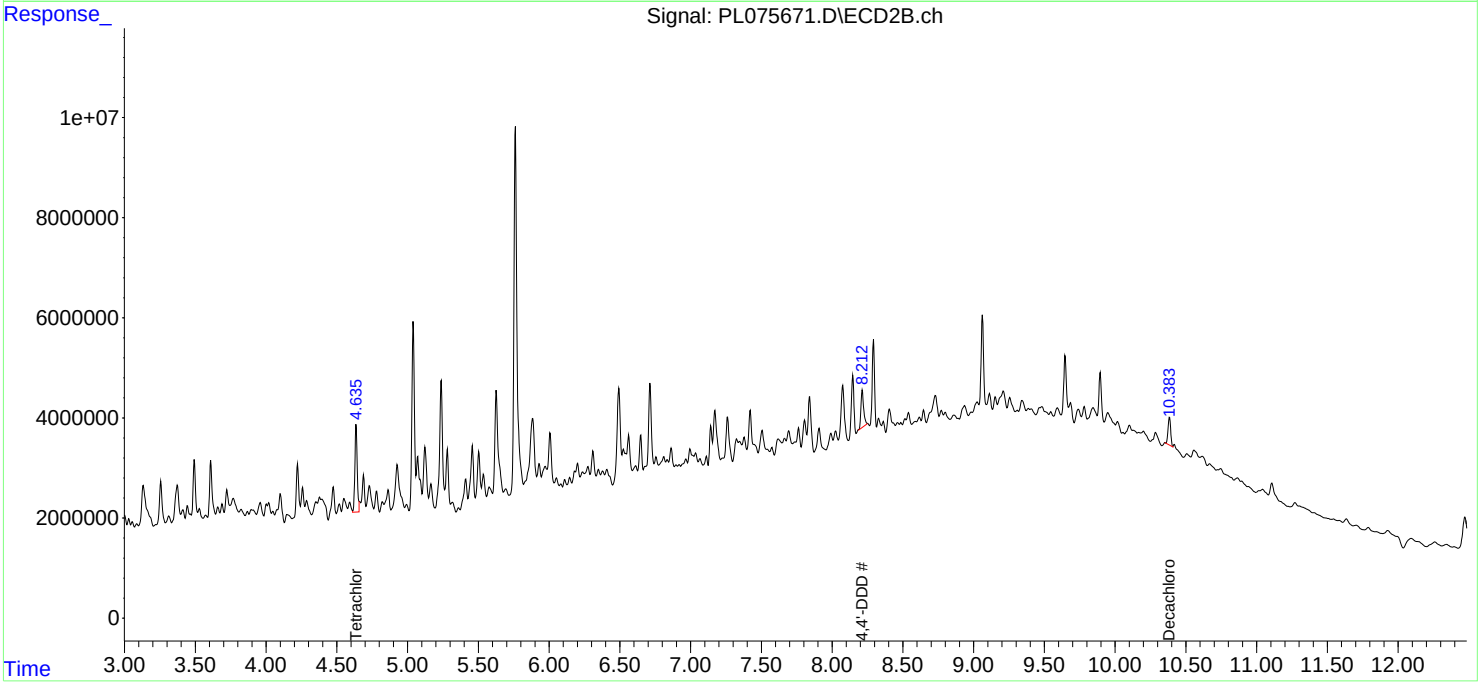
Manual Integrations APPROVED

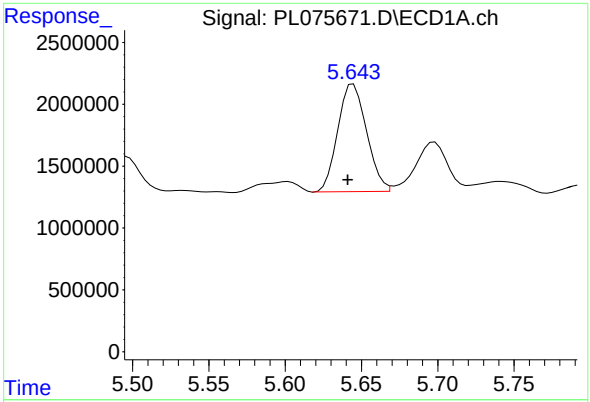
Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:49:43 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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







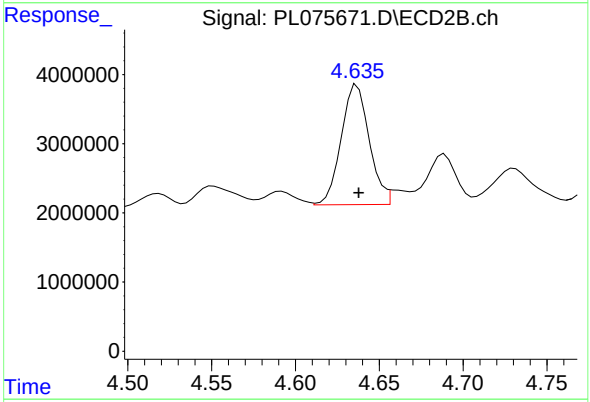
#1 Tetrachloro-m-xylene

R.T.: 5.643 min
Delta R.T.: 0.002 min
Response: 11522956
Conc: 17.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

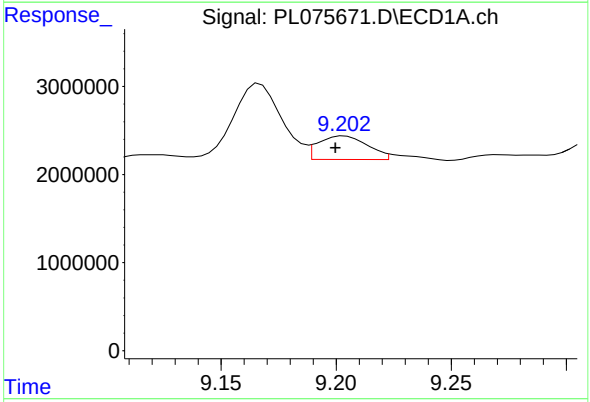
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022



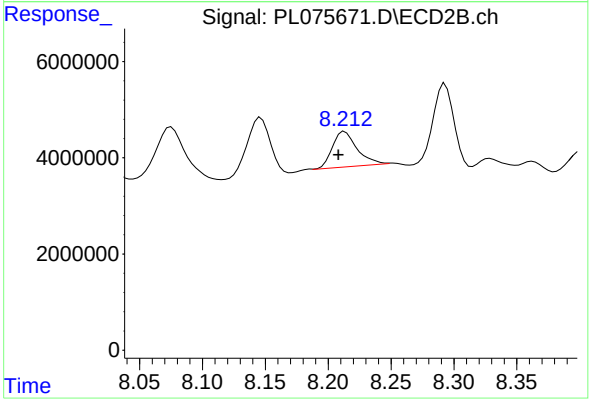
#1 Tetrachloro-m-xylene

R.T.: 4.635 min
Delta R.T.: -0.002 min
Response: 20322254
Conc: 12.11 ng/ml m



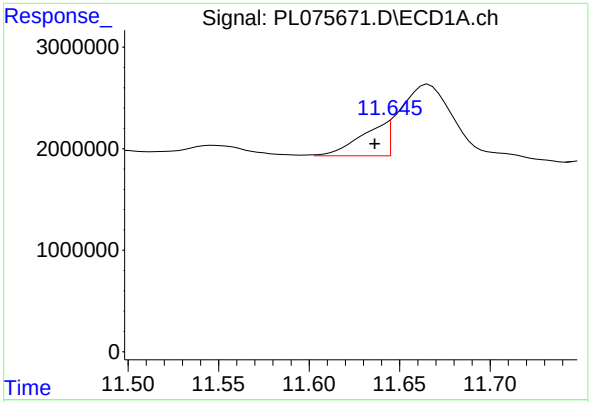
#16 4,4'-DDD

R.T.: 9.202 min
Delta R.T.: 0.003 min
Response: 3901138
Conc: 7.13 ng/ml m



#16 4,4'-DDD

R.T.: 8.212 min
Delta R.T.: 0.004 min
Response: 10152344
Conc: 7.72 ng/ml m



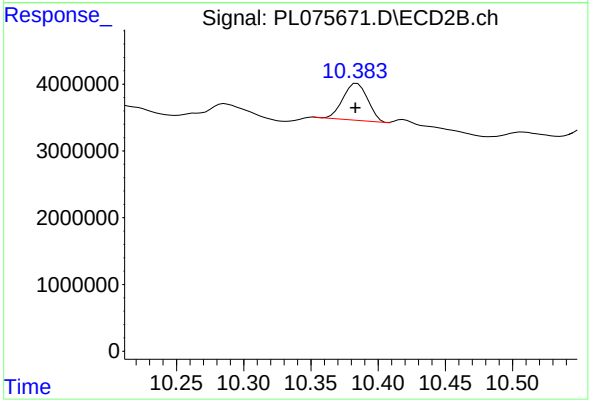
#28 Decachlorobiphenyl

R.T.: 11.645 min
Delta R.T.: 0.009 min
Response: 4499752
Conc: 7.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022



#28 Decachlorobiphenyl

R.T.: 10.384 min
Delta R.T.: 0.001 min
Response: 7138086
Conc: 5.07 ng/ml

Raw Data: **PL075684.D**

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Report of Analysis

Client:	Inframark	Date Collected:	06/08/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/08/22
Client Sample ID:	BI-WEEKLY-INFLUENTRE	SDG No.:	N3259
Lab Sample ID:	N3259-01RE	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075684.D	1	06/09/22 08:50	06/10/22 15:15	PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0050	U	0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0050	U	0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0050	U	0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0050	U	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0050	U	0.00050	0.0050	ug/L
72-20-8	Endrin	0.0050	U	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0075		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0050	U	0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	12.1		60 - 140	60%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.78	*	60 - 140	44%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 15:15
Operator : AR\AJ
Sample : N3259-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:08 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.642	4.636	11683471	20236616	17.312m	12.059m#
28)	SA Decachlor...	11.643	10.381	6476239	12376541	10.578m	8.784m
	Target Compounds						
16)	A 4,4'-DDD	9.203	8.212	4980013	9860410	9.102	7.499

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

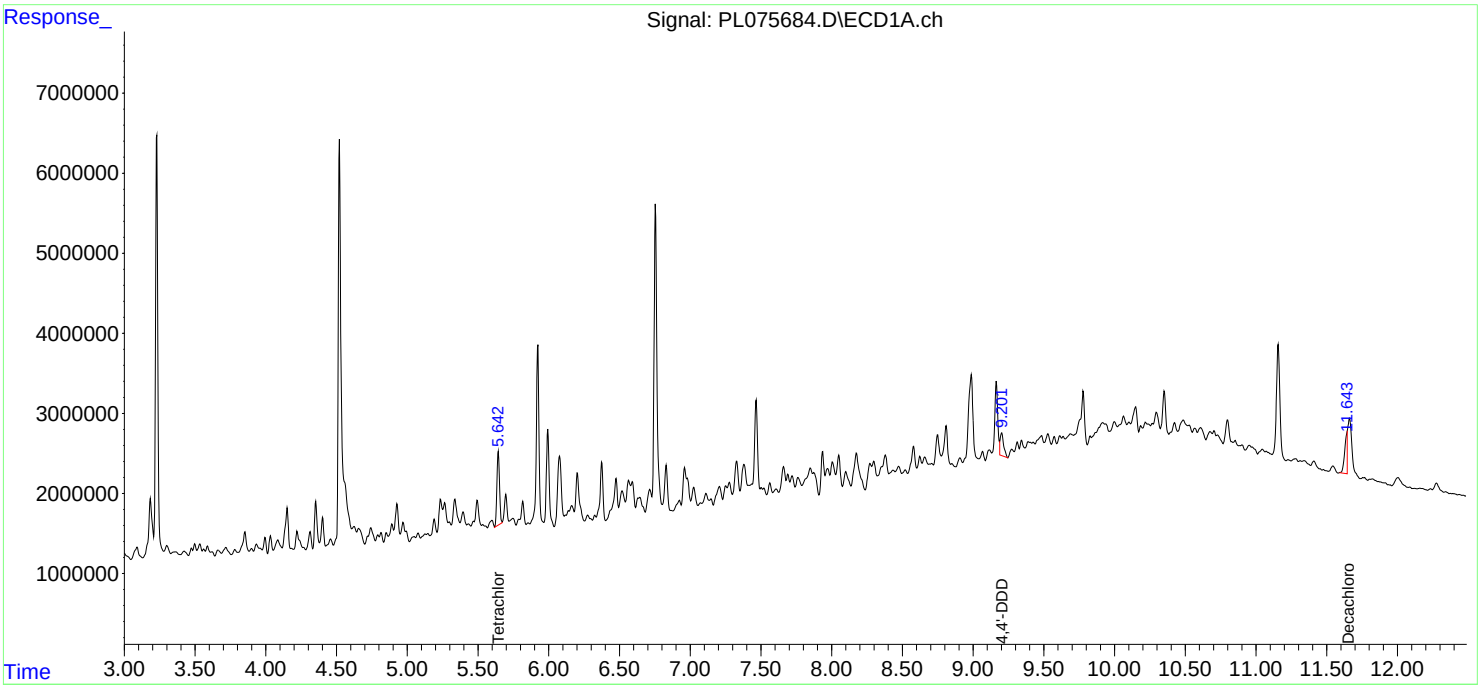
Sample Results: **PL075684.D**

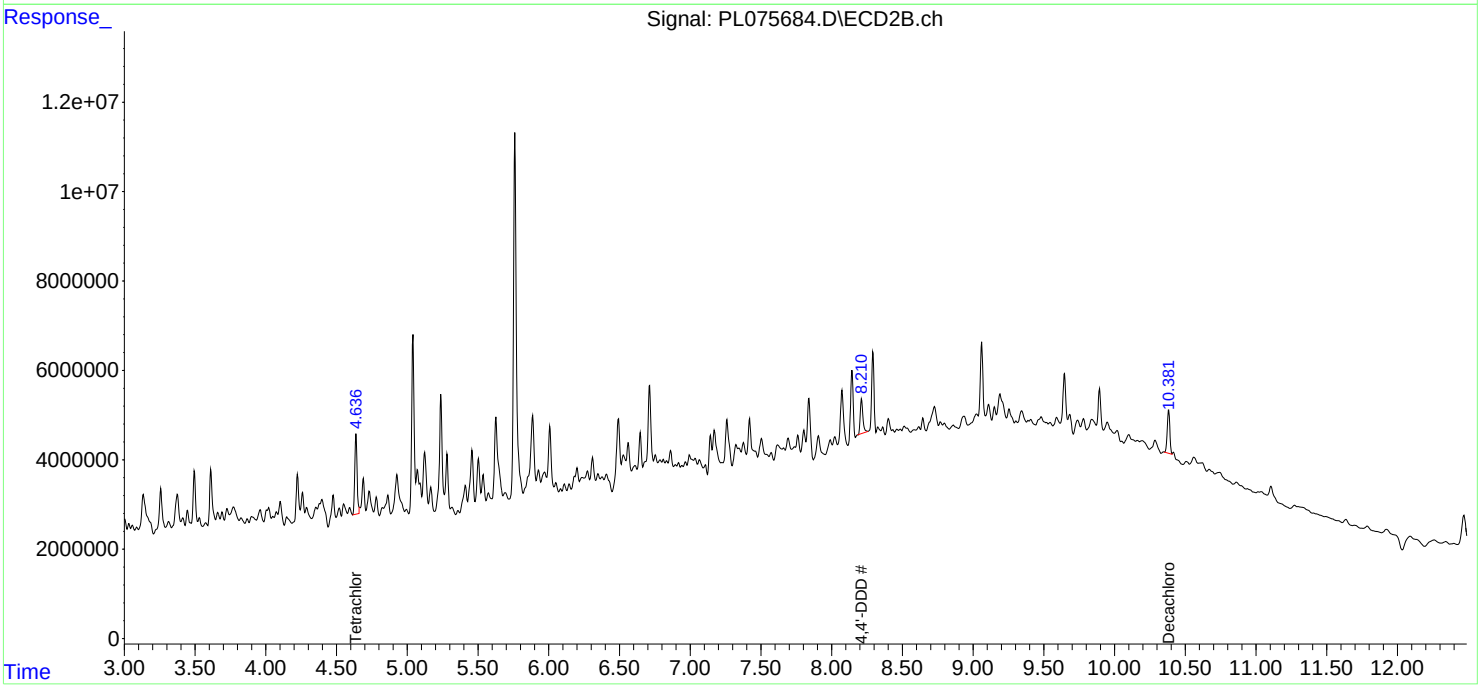
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075684.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 15:15
Operator : AR\AJ
Sample : N3259-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

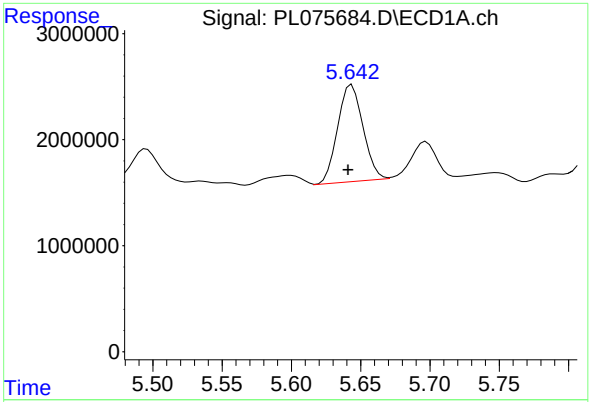
Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:08 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



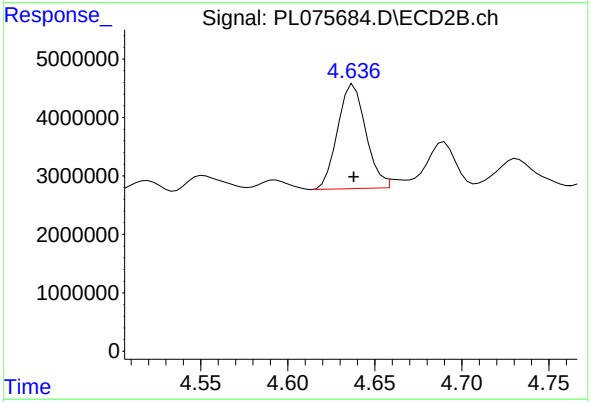




#1 Tetrachloro-m-xylene

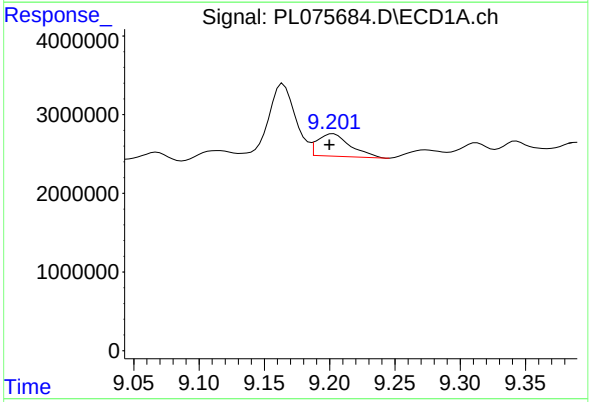
R.T.: 5.642 min
Delta R.T.: 0.001 min
Response: 11683471
Conc: 17.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT



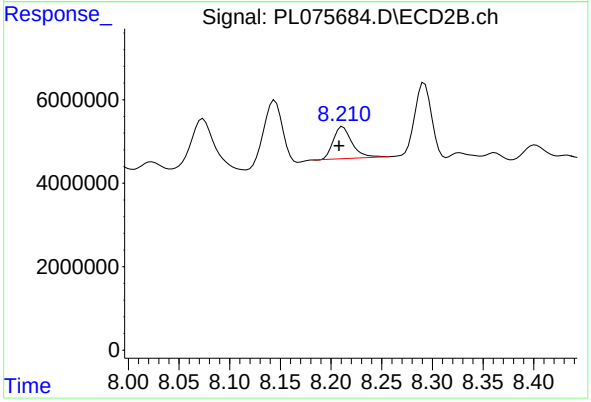
#1 Tetrachloro-m-xylene

R.T.: 4.636 min
Delta R.T.: -0.001 min
Response: 20236616
Conc: 12.06 ng/ml m



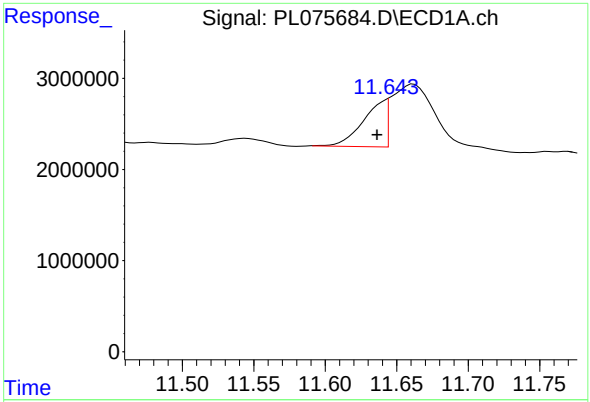
#16 4,4'-DDD

R.T.: 9.203 min
Delta R.T.: 0.003 min
Response: 4980013
Conc: 9.10 ng/ml



#16 4,4'-DDD

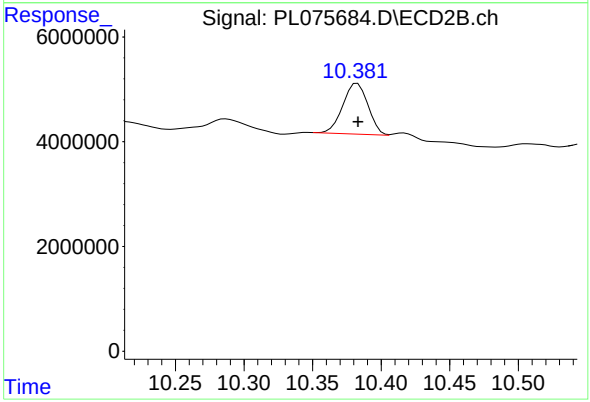
R.T.: 8.212 min
Delta R.T.: 0.004 min
Response: 9860410
Conc: 7.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.643 min
Delta R.T.: 0.007 min
Response: 6476239
Conc: 10.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
BI-WEEKLY-INFLUENT



#28 Decachlorobiphenyl

R.T.: 10.381 min
Delta R.T.: -0.002 min
Response: 12376541
Conc: 8.78 ng/ml m

CHEMTECH

CALIBRATION SUMMARY

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Calibration Date(s):** 06/06/2022 06/06/2022

Calibration Times: 14:25 15:31

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

LAB FILE ID: **RT 100 =** PL075560.D **RT 075 =** PL075561.D

RT 050 = PL075562.D **RT 025 =** PL075563.D **RT 005 =** PL075564.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	9.20	9.20	9.20	9.20	9.20	9.20	9.10	9.30
4,4'-DDE	8.66	8.66	8.66	8.66	8.66	8.66	8.56	8.76
4,4'-DDT	9.52	9.52	9.52	9.52	9.52	9.52	9.42	9.62
alpha-BHC	6.23	6.23	6.23	6.23	6.23	6.22	6.12	6.32
beta-BHC	6.88	6.88	6.88	6.88	6.88	6.88	6.78	6.98
Decachlorobiphenyl	11.64	11.64	11.64	11.64	11.64	11.64	11.54	11.74
delta-BHC	7.15	7.15	7.15	7.15	7.15	7.15	7.05	7.25
Endrin	9.06	9.06	9.06	9.06	9.06	9.06	8.96	9.16
Heptachlor	7.28	7.28	7.28	7.28	7.28	7.28	7.18	7.38
Tetrachloro-m-xylene	5.64	5.64	5.64	5.64	5.64	5.64	5.54	5.74

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

RETENTION TIMES OF INITIAL CALIBRATION

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Calibration Date(s):** 06/06/2022 06/06/2022

Calibration Times: 14:25 15:31

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

LAB FILE ID: **RT 100 =** PL075560.D **RT 075 =** PL075561.D

RT 050 = PL075562.D **RT 025 =** PL075563.D **RT 005 =** PL075564.D

COMPOUND	RT 100	RT 075	RT 050	RT 025	RT 005	MEAN RT	RT WINDOW FROM	RT WINDOW TO
4,4'-DDD	8.21	8.21	8.21	8.21	8.21	8.21	8.11	8.31
4,4'-DDE	7.63	7.63	7.62	7.63	7.62	7.62	7.52	7.72
4,4'-DDT	8.47	8.47	8.47	8.47	8.47	8.47	8.37	8.57
alpha-BHC	5.34	5.34	5.34	5.34	5.34	5.34	5.24	5.44
beta-BHC	6.14	6.14	6.14	6.14	6.14	6.14	6.04	6.24
Decachlorobiphenyl	10.38	10.38	10.38	10.38	10.38	10.38	10.28	10.48
delta-BHC	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Endrin	8.05	8.05	8.05	8.05	8.04	8.04	7.94	8.14
Heptachlor	6.17	6.17	6.17	6.17	6.17	6.17	6.07	6.27
Tetrachloro-m-xylene	4.64	4.64	4.64	4.64	4.64	4.64	4.54	4.74

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Calibration Date(s):** 06/06/2022 06/06/2022

Calibration Times: 14:25 15:31

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

LAB FILE ID: **CF 100 =** PL075560.D **CF 075 =** PL075561.D

CF 050 = PL075562.D **CF 025 =** PL075563.D **CF 005 =** PL075564.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	573370000	555271000	536200000	539616000	531311000	547153000	3
4,4'-DDE	702267000	678522000	647924000	642790000	637637000	661828000	4
4,4'-DDT	654255000	644580000	617886000	630689000	655499000	640582000	3
alpha-BHC	1036250000	997847000	927815000	898435000	839464000	939961000	8
beta-BHC	409215000	406928000	399498000	415804000	420644000	410418000	2
Decachlorobiphenyl	565479000	574393000	587244000	625384000	708615000	612223000	10
delta-BHC	836875000	810024000	763884000	740516000	696107000	769481000	7
Endrin	616089000	593665000	576730000	584718000	593363000	592913000	2
Heptachlor	932734000	920011000	875939000	893482000	975544000	919542000	4
Tetrachloro-m-xylene	682975000	672206000	650086000	668409000	700753000	674886000	3

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Calibration Date(s):** 06/06/2022 06/06/2022

Calibration Times: 14:25 15:31

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

LAB FILE ID: **CF 100 =** PL075560.D **CF 075 =** PL075561.D

CF 050 = PL075562.D **CF 025 =** PL075563.D **CF 005 =** PL075564.D

COMPOUND	CF 100	CF 075	CF 050	CF 025	CF 005	CF	% RSD
4,4'-DDD	1344580000	1296810000	1268750000	1278040000	1386600000	1314960000	4
4,4'-DDE	1628480000	1602300000	1551040000	1550640000	1661410000	1598770000	3
4,4'-DDT	1427100000	1390280000	1357790000	1367940000	1485740000	1405770000	4
alpha-BHC	2460710000	2372930000	2228090000	2173540000	2086180000	2264290000	7
beta-BHC	932627000	930311000	917724000	989201000	1137860000	981544000	9
Decachlorobiphenyl	1291190000	1314610000	1322870000	1429900000	1686170000	1408950000	12
delta-BHC	2237970000	2169660000	2052640000	2047140000	2196860000	2140850000	4
Endrin	1333550000	1354080000	1301320000	1322590000	1524060000	1367120000	7
Heptachlor	2177120000	2133030000	2042780000	2079560000	2228430000	2132180000	3
Tetrachloro-m-xylene	1661860000	1637900000	1595320000	1667030000	1828840000	1678190000	5

Raw Data

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Date(s) Analyzed:** 06/06/2022 06/06/2022

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	7.04	6.94	7.14	25672300
		2	7.63	7.53	7.73	31484700
		3	8.39	8.29	8.49	105965000
		4	8.47	8.37	8.57	129973000
		5	9.37	9.27	9.47	22737900
Toxaphene	500	1	8.71	8.61	8.81	4074280
		2	9.03	8.93	9.13	4184000
		3	9.47	9.37	9.57	6095960
		4	9.56	9.46	9.66	11498700
		5	10.09	9.99	10.19	8882320

Raw Data

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Instrument ID: ECD_L **Date(s) Analyzed:** 06/06/2022 06/06/2022

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CALIBRATION FACTOR
Chlordane	500	1	5.96	5.86	6.06	55658200
		2	6.64	6.54	6.74	66342900
		3	7.34	7.24	7.44	175372000
		4	7.41	7.31	7.51	186813000
		5	8.12	8.02	8.22	48348800
Toxaphene	500	1	7.72	7.62	7.82	9172520
		2	8.39	8.29	8.49	29087200
		3	8.81	8.71	8.91	14361800
		4	9.04	8.94	9.14	23250300
		5	9.18	9.08	9.28	32779400

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:25
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: Jun 06 16:48:09 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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...	5.641	4.638	68297484	166.2E6	105.059	104.171
28)	SA Decachlor...	11.636	10.383	56547930	129.1E6	96.294	97.606
	Target Compounds						
2)	A alpha-BHC	6.225	5.340	103.6E6	246.1E6	111.687	110.440
3)	MA gamma-BHC...	6.624	5.761	94740145	225.2E6	109.836	107.223
4)	MA Heptachlor	7.279	6.170	93273427	217.7E6	106.484	106.576
5)	MB Aldrin	7.653	6.494	86726718	203.0E6	108.253	107.930
6)	B beta-BHC	6.875	6.140	40921470	93262657	102.432	101.624
7)	B delta-BHC	7.146	6.400	83687512	223.8E6	109.555	109.029
8)	B Heptachlo...	8.120	7.068	77408502	181.8E6	103.357	104.190
9)	A Endosulfan I	8.529	7.469	71403426	166.5E6	104.130	104.369
10)	B gamma-Chl...	8.390	7.344	77392454	182.4E6	104.799	104.986
11)	B alpha-Chl...	8.473	7.413	77046633	180.6E6	104.282	104.460
12)	B 4,4'-DDE	8.658	7.625	70226651	162.8E6	108.387	104.993
13)	MA Dieldrin	8.819	7.755	74645031	172.9E6	107.082	106.119
14)	MA Endrin	9.060	8.045	61608896	133.4E6	106.824	102.477
15)	B Endosulfa...	9.293	8.354	60472269	139.7E6	102.442	101.765
16)	A 4,4'-DDD	9.200	8.209	57336988	134.5E6	106.932	105.976
17)	MA 4,4'-DDT	9.519	8.469	65425493	142.7E6	105.886	105.104
18)	B Endrin al...	9.428	8.542	49376406	107.8E6	100.027	100.637
19)	B Endosulfa...	9.667	8.772	61188507	141.9E6	102.055	102.248
20)	A Methoxychlor	10.005	9.062	34349688	76569579	99.636	99.313
21)	B Endrin ke...	10.168	9.290	68492708	157.0E6	101.790	101.383
22)	Mirex	10.642	9.477	51927780	119.7E6	97.672	98.941

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

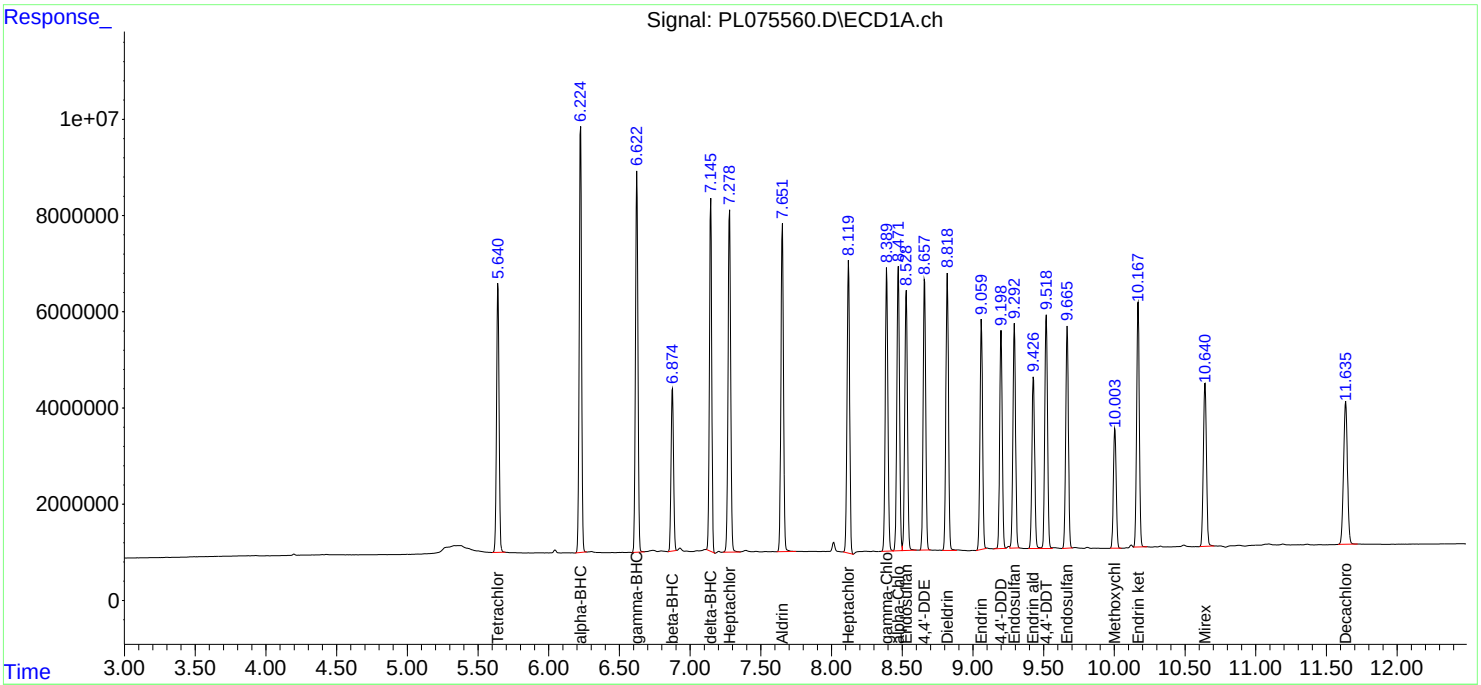
ICAL Form

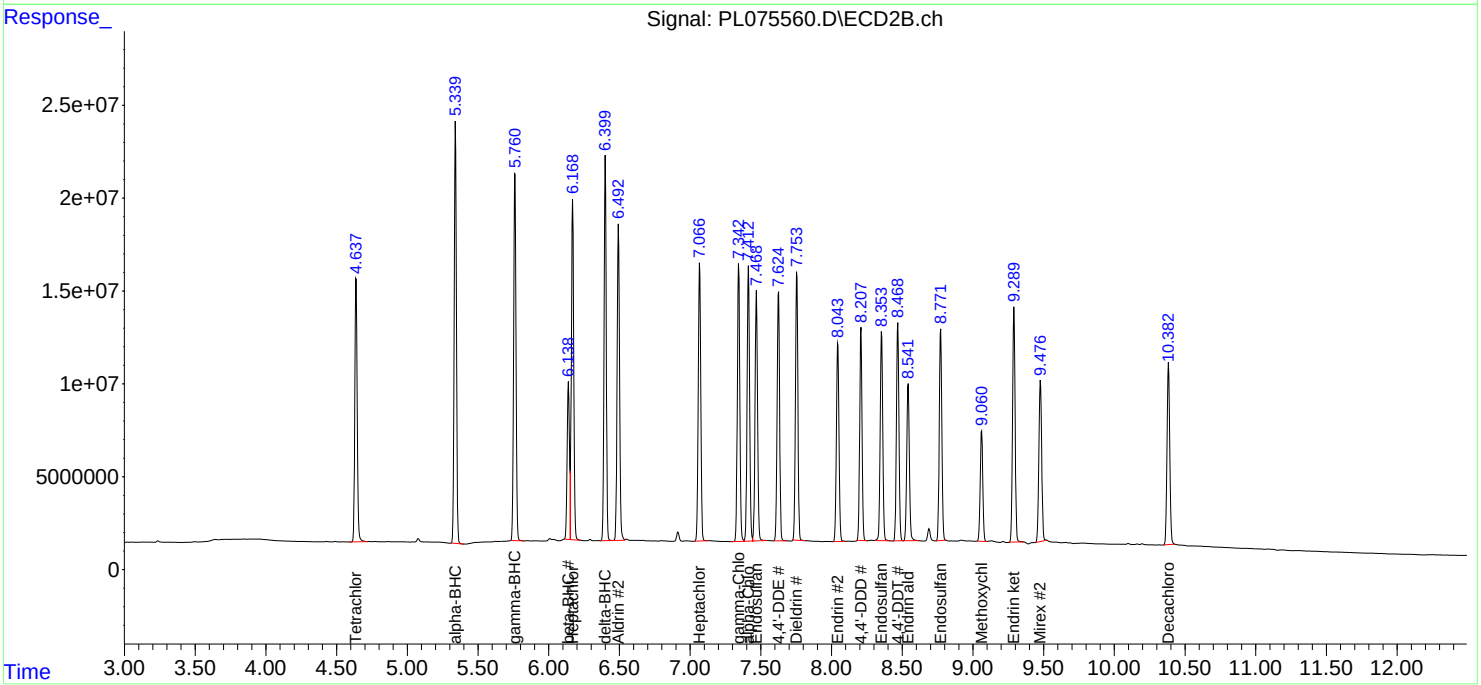
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075560.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:25
Operator : AR\AJ
Sample : PSTDICC100
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC100

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:48:09 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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\PL060622\
Data File : PL075561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:42
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: Jun 06 16:48:41 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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...	5.641	4.638	50415480	122.8E6	75.639	75.429
28)	SA Decachlor...	11.636	10.383	43079447	98595765	74.744	75.435
	Target Compounds						
2)	A alpha-BHC	6.225	5.341	74838540	178.0E6	76.208	75.913
3)	MA gamma-BHC...	6.624	5.761	68906996	164.7E6	76.142	75.704
4)	MA Heptachlor	7.278	6.169	69000855	160.0E6	76.300	75.820
5)	MB Aldrin	7.652	6.493	63606657	149.2E6	76.248	76.300
6)	B beta-BHC	6.875	6.139	30519570	69773340	75.477	75.416
7)	B delta-BHC	7.146	6.400	60751771	162.7E6	75.904	75.852
8)	B Heptachlo...	8.120	7.067	57272469	134.0E6	75.209	75.227
9)	A Endosulfan I	8.528	7.469	51796507	122.7E6	74.008	75.300
10)	B gamma-Chl...	8.390	7.343	58413156	137.1E6	77.245	76.976
11)	B alpha-Chl...	8.472	7.412	56796151	133.6E6	75.262	75.600
12)	B 4,4'-DDE	8.658	7.625	50889181	120.2E6	75.381	75.592
13)	MA Dieldrin	8.819	7.754	55518441	126.2E6	76.920	75.124
14)	MA Endrin	9.060	8.045	44524876	101.6E6	74.655	77.086
15)	B Endosulfa...	9.293	8.354	44905202	104.9E6	75.153	75.784
16)	A 4,4'-DDD	9.200	8.208	41645290	97260783	75.066	74.434
17)	MA 4,4'-DDT	9.519	8.469	48343474	104.3E6	76.003	74.884
18)	B Endrin al...	9.428	8.542	36946646	80434724	74.837	74.825
19)	B Endosulfa...	9.666	8.772	45652017	105.3E6	75.367	75.052
20)	A Methoxychlor	10.004	9.061	25720935	57396044	74.743	74.701
21)	B Endrin ke...	10.169	9.290	51174466	116.0E6	75.378	74.385
22)	Mirex	10.642	9.477	39429915	90488727	75.038	75.219

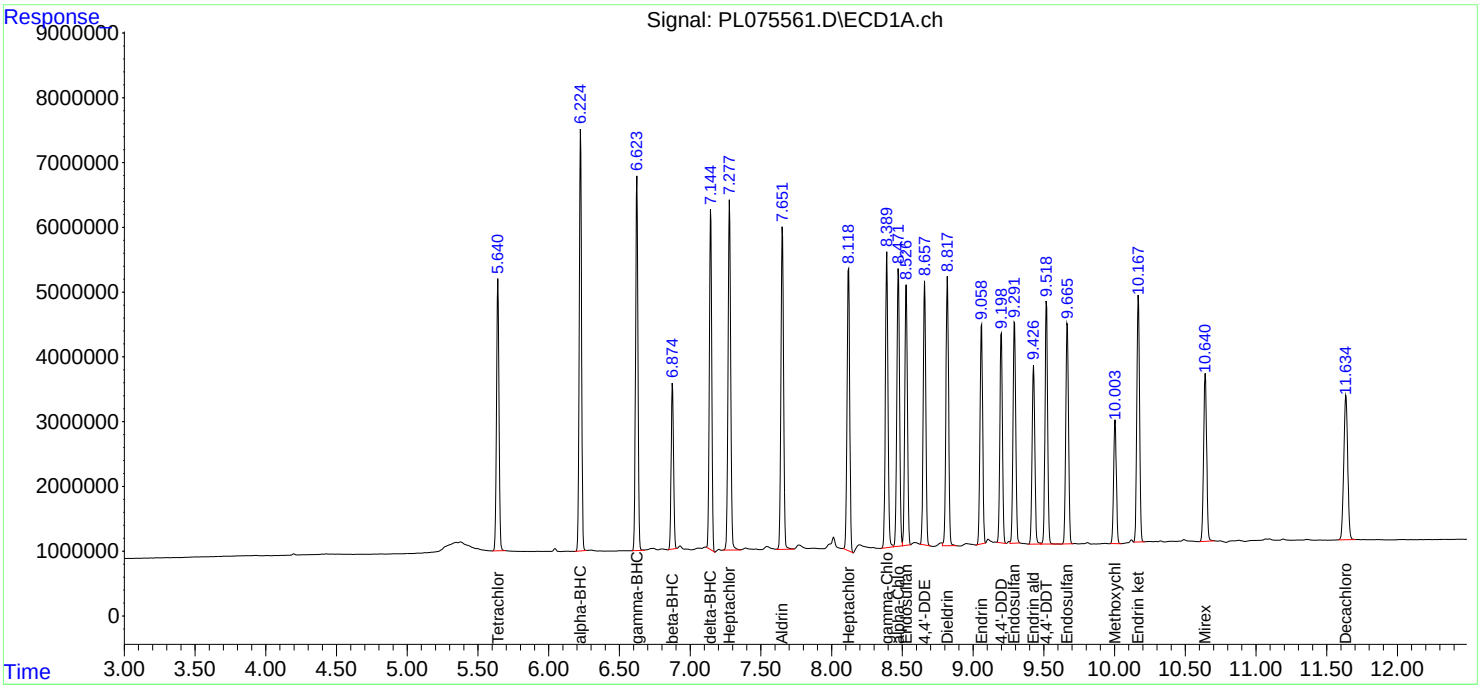
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

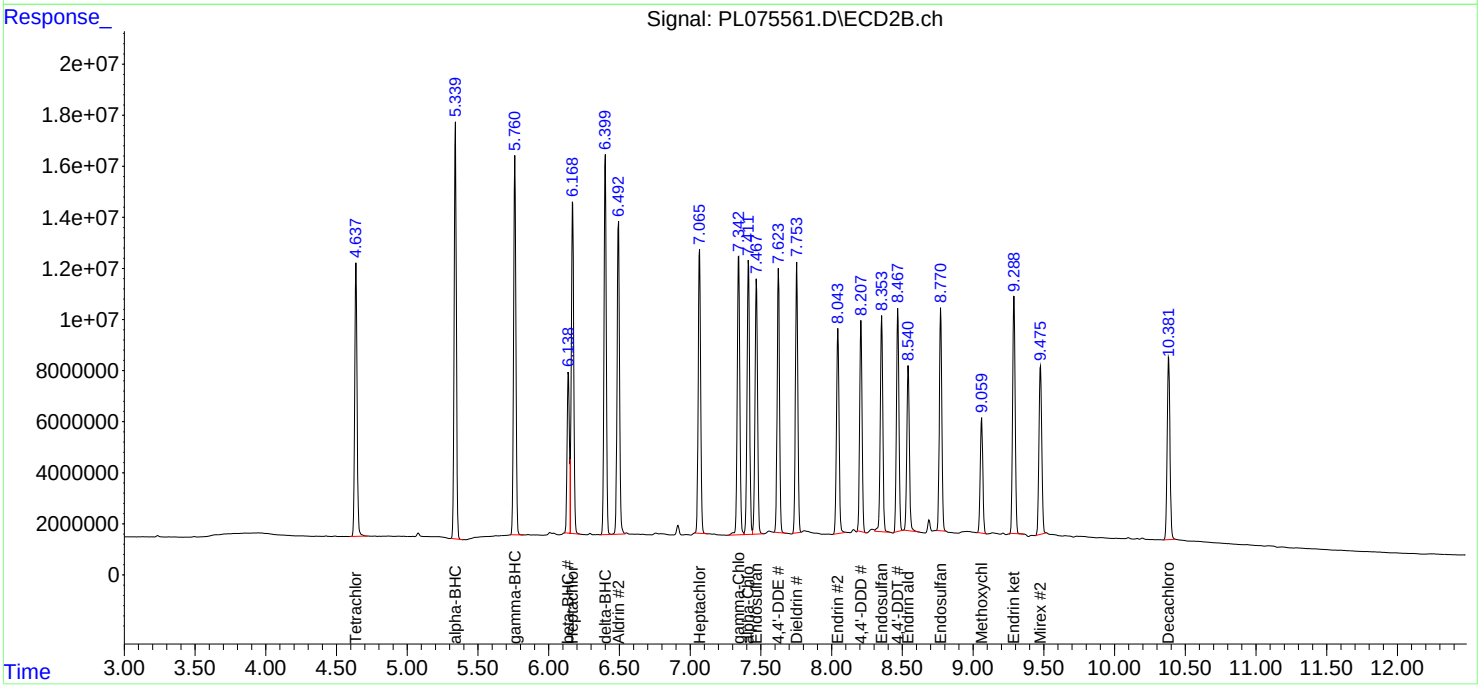
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075561.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:42
Operator : AR\AJ
Sample : PSTDICC075
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC075

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:48:41 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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\PL060622\
Data File : PL075562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:58
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: Jun 06 16:46:50 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 00:15:49 2022
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...	5.641	4.638	32504315	79766047	52.670	51.931
28)	SA Decachlor...	11.636	10.383	29362211	66143359	56.549	54.459
	Target Compounds						
2)	A alpha-BHC	6.225	5.340	46390771	111.4E6	53.716	53.264
3)	MA gamma-BHC...	6.623	5.761	43127827	105.0E6	53.020	52.619
4)	MA Heptachlor	7.279	6.169	43796925	102.1E6	52.849	52.823
5)	MB Aldrin	7.652	6.493	40057505	94024199	52.595	53.834
6)	B beta-BHC	6.875	6.140	19974903	45886193	53.520	51.644
7)	B delta-BHC	7.145	6.400	38194184	102.6E6	50.428	52.078
8)	B Heptachlo...	8.120	7.067	37447191	87248115	52.902	53.288
9)	A Endosulfan I	8.528	7.469	34285798	79744718	54.382	53.413
10)	B gamma-Chl...	8.390	7.344	36924359	86874269	53.418	53.205
11)	B alpha-Chl...	8.472	7.412	36941552	86455964	54.301	53.077
12)	B 4,4'-DDE	8.658	7.624	32396190	77551867	55.146	54.560
13)	MA Dieldrin	8.819	7.754	34854288	81477576	54.353	53.301
14)	MA Endrin	9.059	8.045	28836512	65066099	53.228	48.123
15)	B Endosulfa...	9.293	8.354	29515278	68624030	53.298	52.083
16)	A 4,4'-DDD	9.200	8.208	26810017	63437706	53.827	53.605
17)	MA 4,4'-DDT	9.519	8.469	30894315	67889623	54.381	53.075
18)	B Endrin al...	9.428	8.542	24681557	53577785	54.914	52.734
19)	B Endosulfa...	9.666	8.772	29978320	69398484	53.338	52.842
20)	A Methoxychlor	10.004	9.061	17237519	38549807	54.628	51.998
21)	B Endrin ke...	10.168	9.290	33644225	77419593	54.207	54.423
22)	Mirex	10.641	9.477	26582618	60470504	54.796	52.770

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

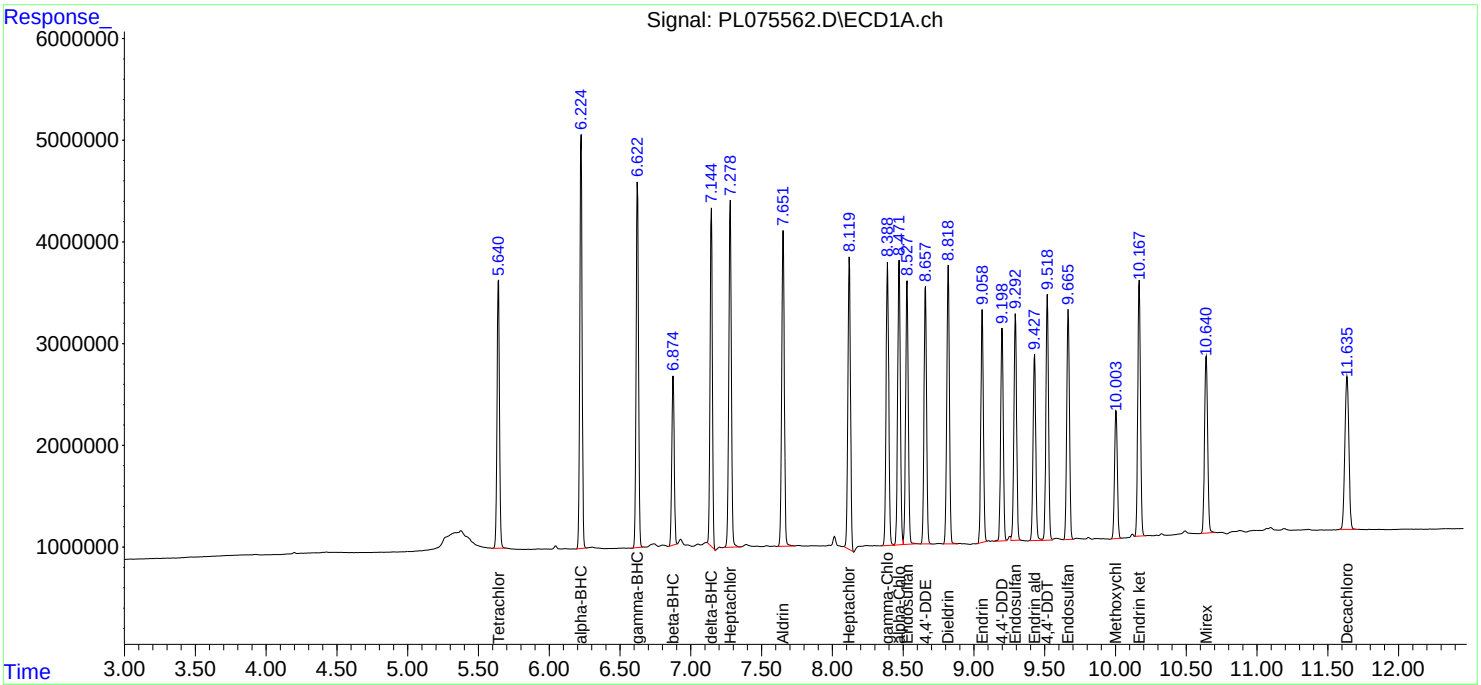
ICAL Form

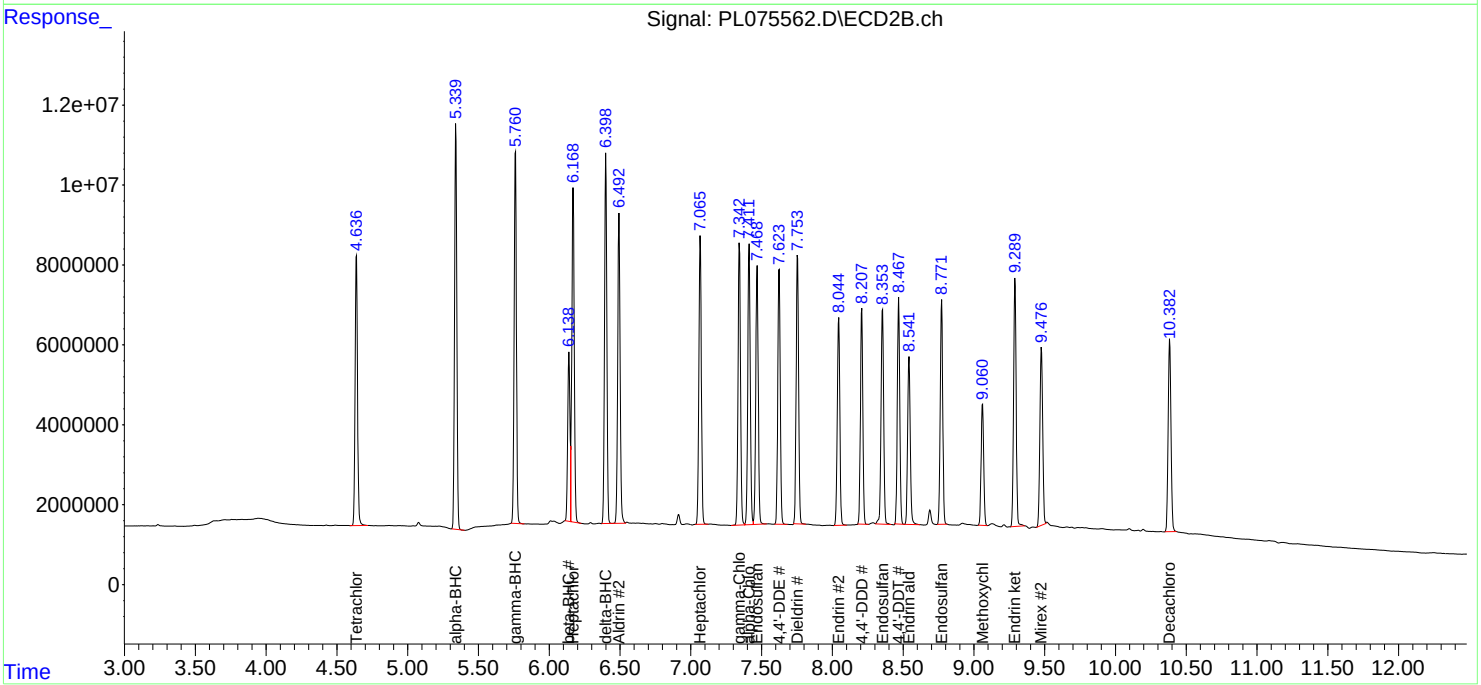
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075562.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:58
Operator : AR\AJ
Sample : PSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:46:50 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 00:15:49 2022
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\PL060622\
Data File : PL075563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 15:15
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: Jun 06 16:49:05 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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...	5.641	4.638	16710230	41675732	25.000	25.541
28) SA	Decachlor...	11.636	10.383	15634594	35747550	27.157	27.297
	Target Compounds						
2) A	alpha-BHC	6.225	5.340	22460873	54338397	22.750	23.084
3) MA	gamma-BHC...	6.623	5.761	21193557	52254818	23.301	23.938
4) MA	Heptachlor	7.278	6.169	22337041	51989015	24.558	24.550
5) MB	Aldrin	7.652	6.494	20151490	47252555	24.023	24.031
6) B	beta-BHC	6.875	6.139	10395089	24730030	25.653	26.681
7) B	delta-BHC	7.145	6.400	18512909	51178583	23.038	23.766
8) B	Heptachlo...	8.119	7.067	19476400	44944425	25.552	25.203
9) A	Endosulfan I	8.528	7.469	17538319	41041500	25.170	25.149
10) B	gamma-Chl...	8.390	7.344	18833470	44379874	24.659	24.704
11) B	alpha-Chl...	8.472	7.412	18997921	44647179	25.145	25.190
12) B	4,4'-DDE	8.657	7.625	16069748	38766029	23.763	24.321
13) MA	Dieldrin	8.819	7.754	17692754	41095375	24.306	24.457
14) MA	Endrin	9.059	8.045	14617946	33064668	24.548	24.867
15) B	Endosulfa...	9.293	8.354	15367280	35991904	25.701	25.904
16) A	4,4'-DDD	9.200	8.208	13490390	31951087	24.309	24.514
17) MA	4,4'-DDT	9.519	8.469	15767220	34198589	24.678	24.573
18) B	Endrin al...	9.428	8.542	12841238	28175828	26.029	26.231
19) B	Endosulfa...	9.666	8.772	15804739	36410886	26.050	25.936
20) A	Methoxychlor	10.005	9.061	9046232	20521763	26.318	26.745
21) B	Endrin ke...	10.168	9.290	17619631	40562153	25.909	26.088
22)	Mirex	10.642	9.477	14506112	32705538	27.602	27.160

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

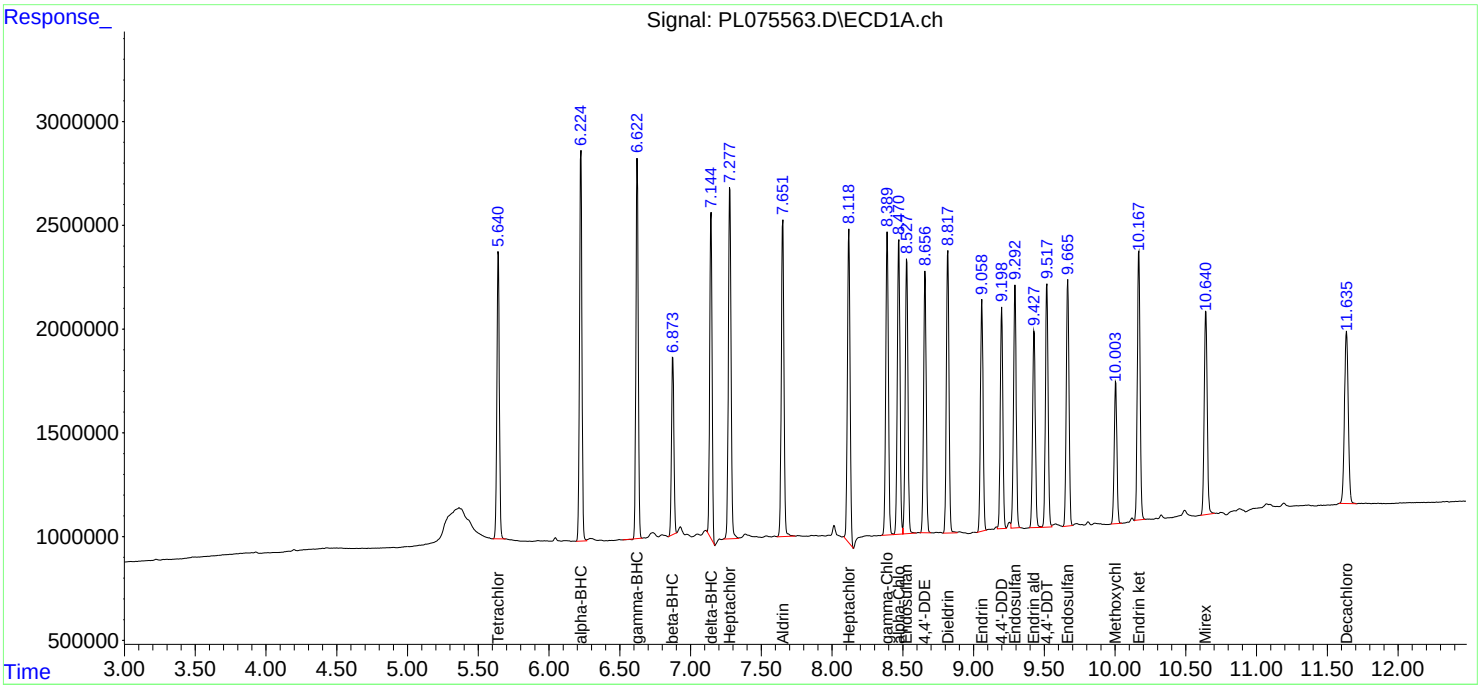
ICAL Form

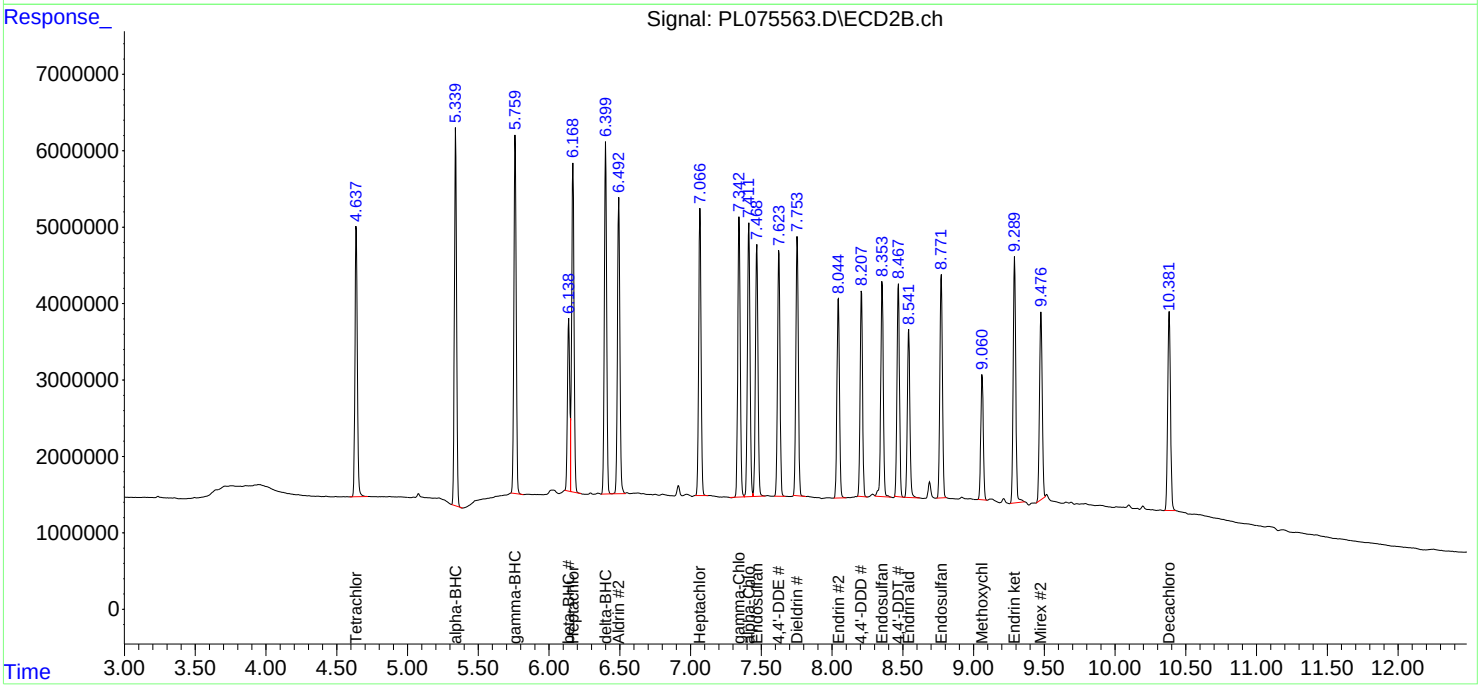
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075563.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 15:15
Operator : AR\AJ
Sample : PSTDICC025
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:49:05 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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\PL060622\
Data File : PL075564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 15:31
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDICC005

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:49:28 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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...	5.641	4.638	3503765	9144217	5.242	5.574
28)	SA Decachlor...	11.635	10.384	3543074	8430865	6.024	6.293
	Target Compounds						
2)	A alpha-BHC	6.225	5.340	4197320	10430900	4.349	4.518
3)	MA gamma-BHC...	6.623	5.760	4061187	11019977	4.542	5.103
4)	MA Heptachlor	7.278	6.169	4877722	11142137	5.387	5.285
5)	MB Aldrin	7.653	6.493	3913537	10153982	4.711	5.214
6)	B beta-BHC	6.875	6.139	2103218	5689285	5.157	6.037
7)	B delta-BHC	7.145	6.400	3480536	10984310	4.418	5.165
8)	B Heptachlo...	8.118	7.067	3996163	10007744	5.214m	5.601
9)	A Endosulfan I	8.528	7.468	3532606	9127172	5.061	5.585
10)	B gamma-Chl...	8.391	7.343	4190911	10015385	5.506	5.592
11)	B alpha-Chl...	8.472	7.412	3932612	10131838	5.198	5.706
12)	B 4,4'-DDE	8.658	7.624	3188185	8307026	4.774	5.247
13)	MA Dieldrin	8.819	7.753	3603352	8890960	4.985	5.320
14)	MA Endrin	9.059	8.044	2966814	7620287	5.005	5.739
15)	B Endosulfa...	9.294	8.354	3514856	7787197	5.838	5.554
16)	A 4,4'-DDD	9.199	8.208	2656555	6932999	4.820	5.345
17)	MA 4,4'-DDT	9.519	8.468	3277493	7428708	5.146	5.361
18)	B Endrin al...	9.428	8.541	2835912	6411555	5.690	5.896
19)	B Endosulfa...	9.667	8.772	3398278	8378902	5.543	5.913
20)	A Methoxychlor	10.005	9.061	1984091	4751940	5.697	6.087
21)	B Endrin ke...	10.168	9.290	3856347	8921361	5.620	5.676
22)	Mirex	10.641	9.477	3285256	7499397	6.093	6.096

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

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075564.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 15:31
Operator : AR\AJ
Sample : PSTDICC005
Misc :
ALS Vial : 9 Sample Multiplier: 1

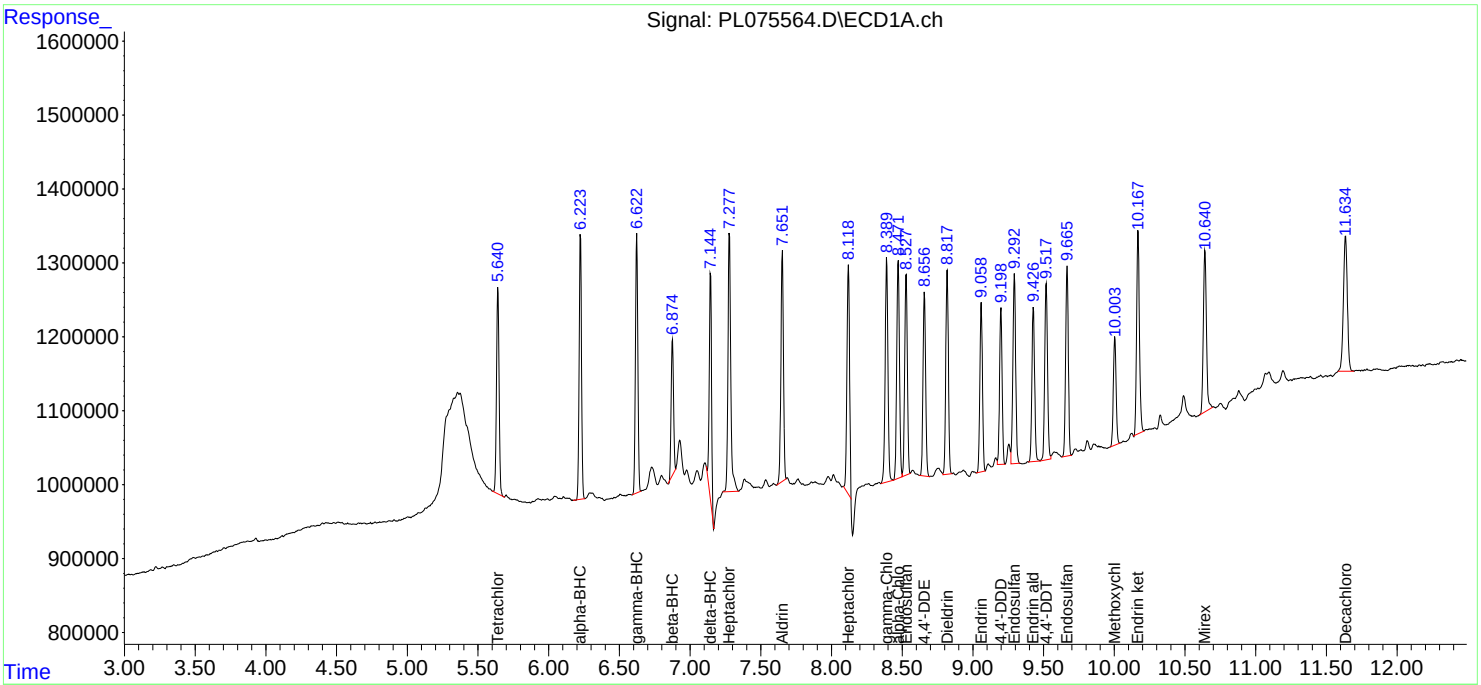
Instrument :
ECD_L
ClientSampleId :
PSTDICC005

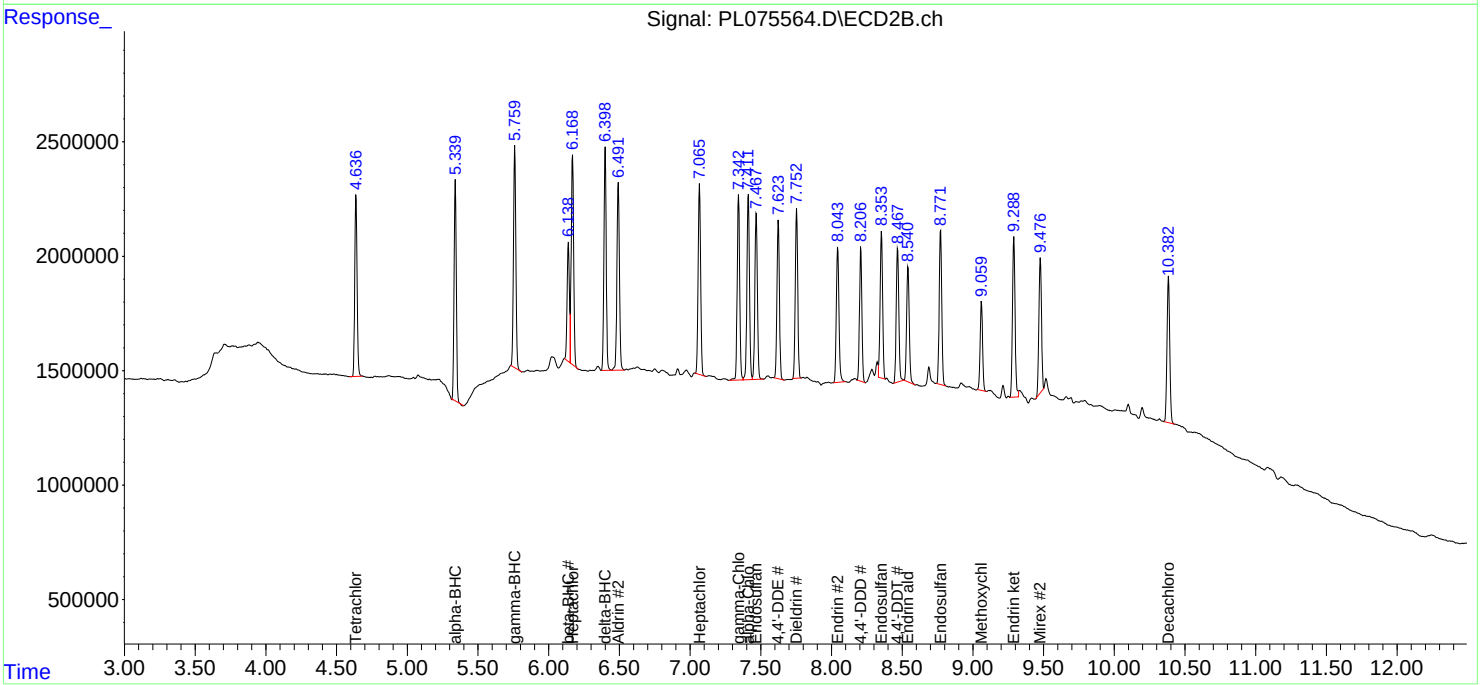
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 16:49:28 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Mon Jun 06 16:47:27 2022
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\PL060622\
Data File : PL075567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 16:21
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: Jun 07 01:47:19 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 01:43:43 2022
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...	5.641	4.637	35357871	103.8E6	50.000	50.000
28)	SA Decachlor...	11.635	10.382	31955334	74002803	50.000	50.000
	Target Compounds						
23)	Chlordane-1	7.036	5.959	12836133	27829095	500.000	500.000
24)	Chlordane-2	7.629	6.644	15742330	33171457	500.000	500.000
25)	Chlordane-3	8.391	7.343	52982534	87685832	500.000	500.000
26)	Chlordane-4	8.474	7.411	64986412	93406748	500.000	500.000
27)	Chlordane-5	9.367	8.122	11368953	24174408	500.000	500.000

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

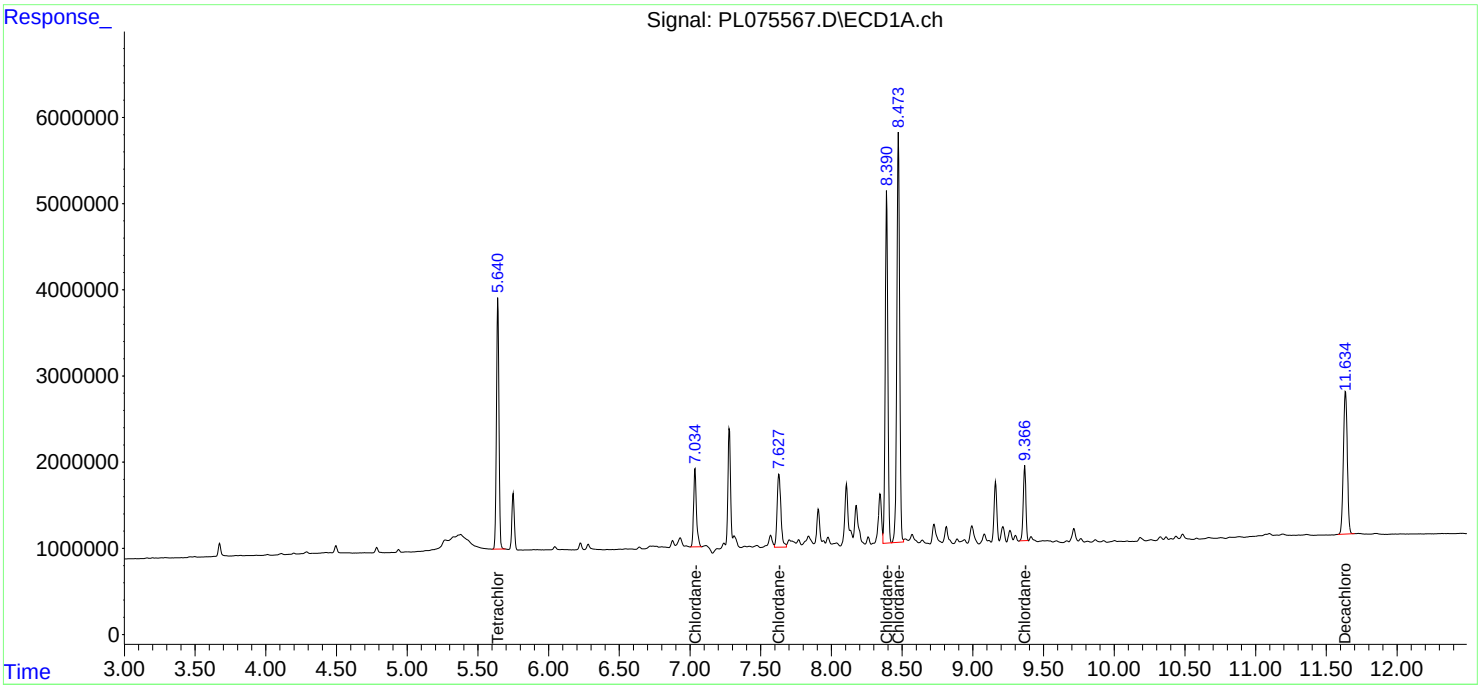
ICAL Form

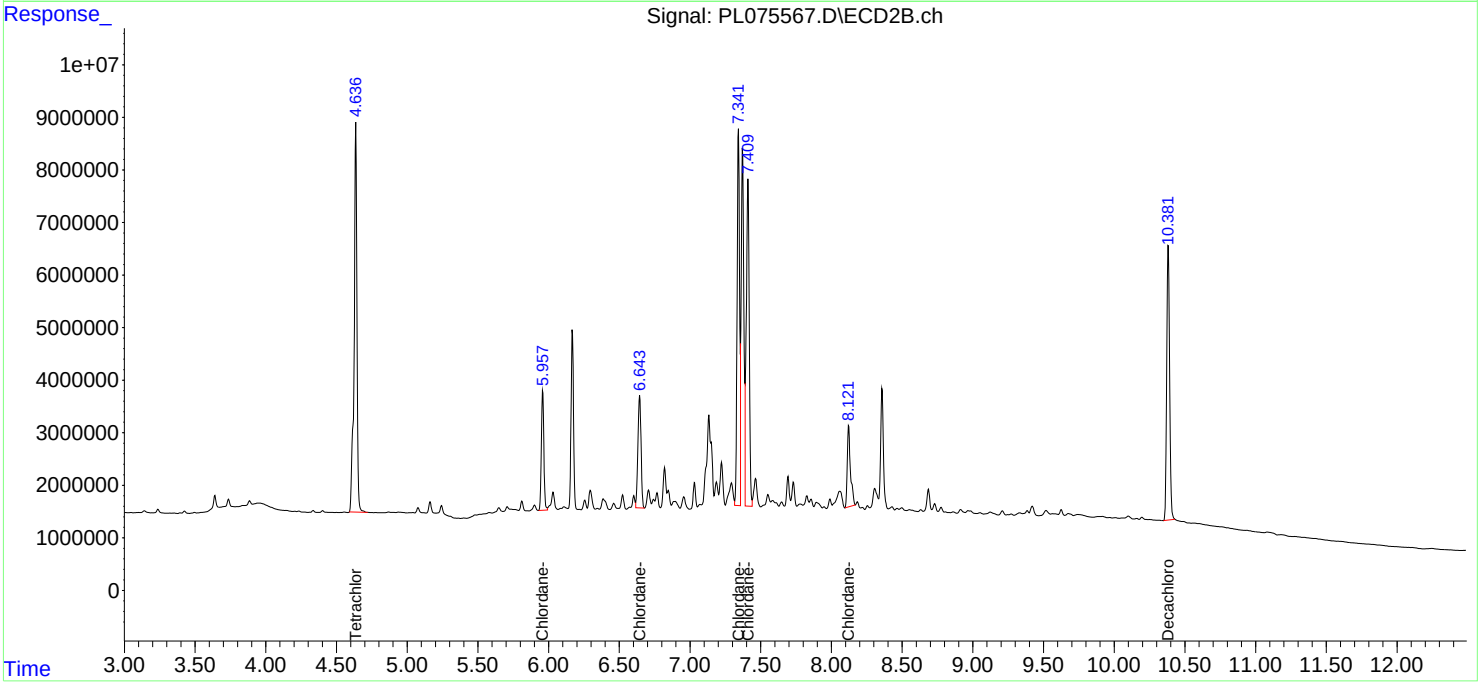
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075567.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 16:21
Operator : AR\AJ
Sample : PCHLORICC500
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PCHLORICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 01:47:19 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 01:43:43 2022
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\PL060622\
Data File : PL075572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 17:43
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: Jun 07 02:37:57 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:37:17 2022
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...	5.641	4.638	34927131	86596281	50.000	50.000
7) SA	Decachlor...	11.637	10.383	31059095	73100037	50.000	50.000
	Target Compounds						
2)	Toxaphene-1	8.708	7.720	2037138	4586258	500.000	500.000
3)	Toxaphene-2	9.029	8.392	2091999	14543585	500.000	500.000
4)	Toxaphene-3	9.472	8.810	3047979	7180888	500.000	500.000
5)	Toxaphene-4	9.555	9.038	5749339	11625127	500.000	500.000
6)	Toxaphene-5	10.089	9.177	4441161	16389706	500.000	500.000

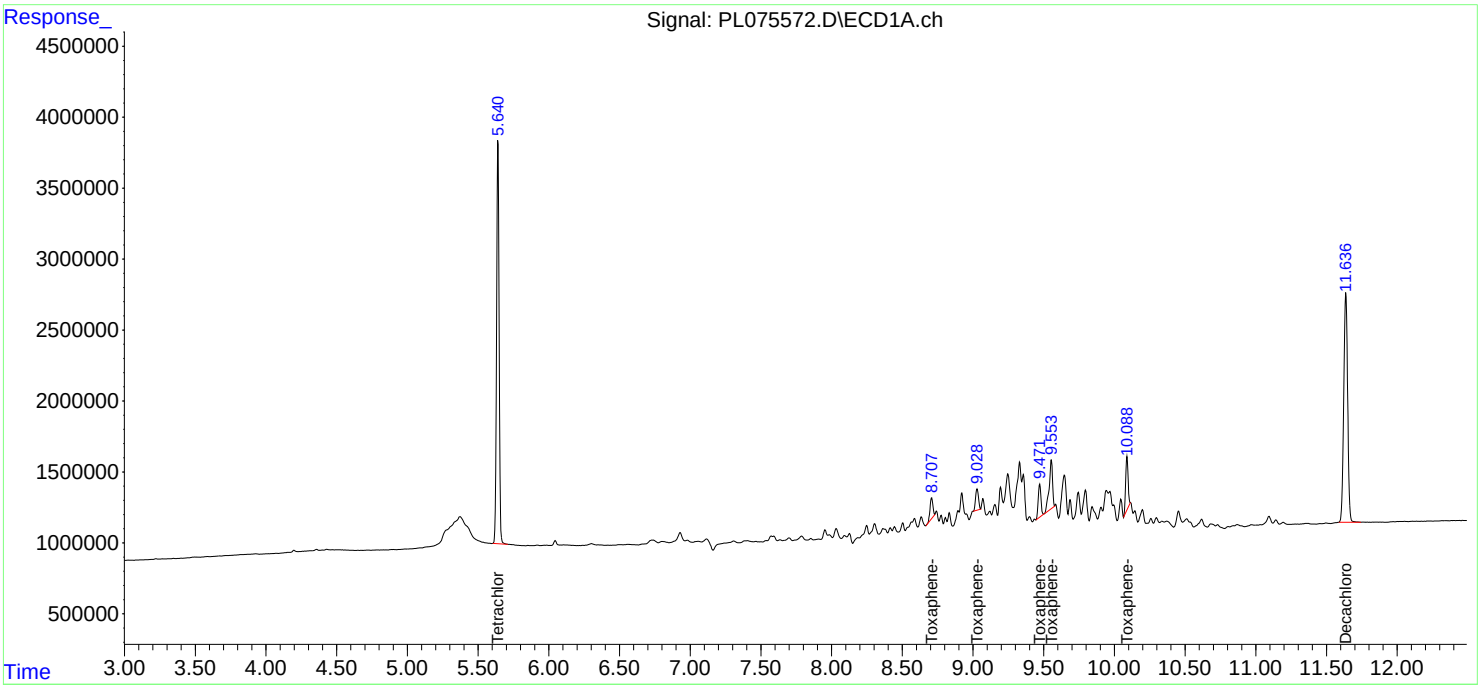
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

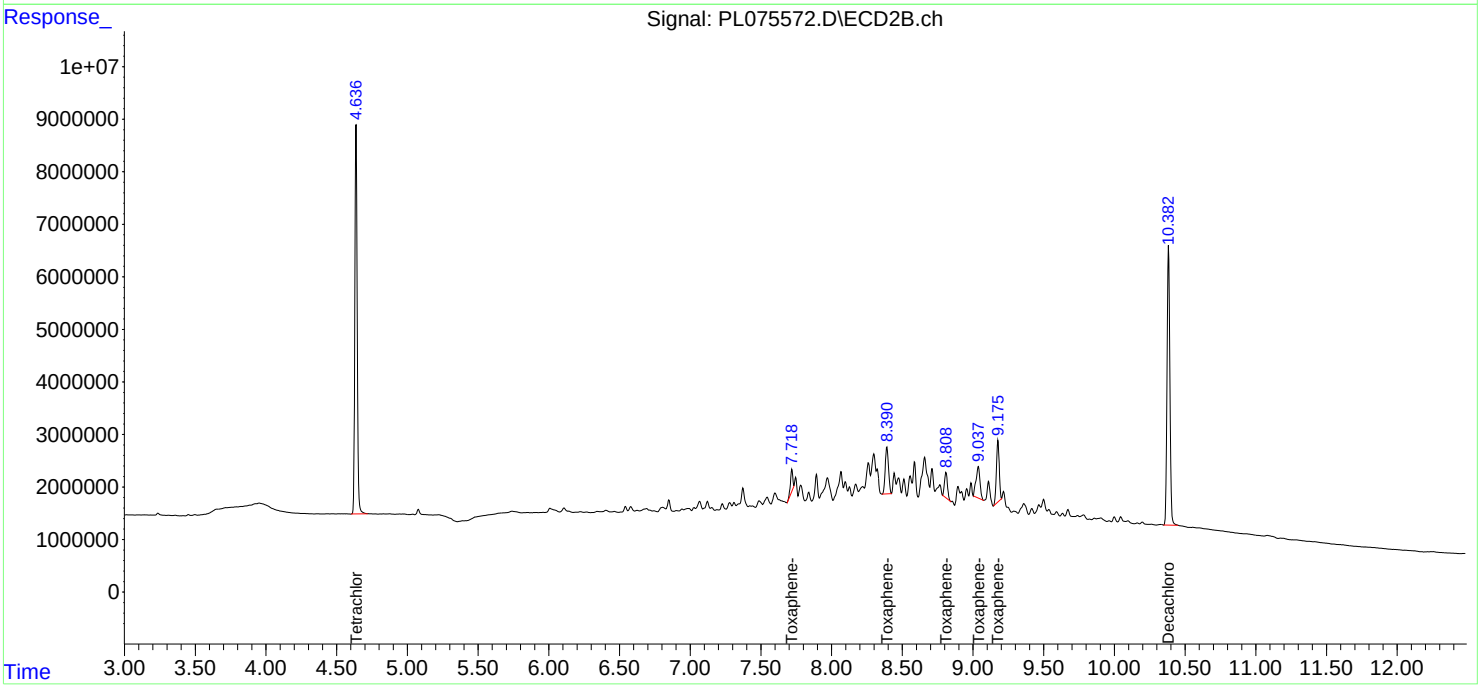
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075572.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 17:43
Operator : AR\AJ
Sample : PTOXICC500
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PTOXICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:37:57 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:37:17 2022
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 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 19:21
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:01:59 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:01:25 2022
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...	5.642	4.638	35651071	105.2E6	51.836	51.601
28)	SA Decachlor...	11.637	10.383	31713141	72088347	50.231	48.994
	Target Compounds						
23)	Chlordane-1	7.037	5.960	12741434	27915003	507.566	507.841
24)	Chlordane-2	7.630	6.645	15522430	33201962	504.693	496.500
25)	Chlordane-3	8.392	7.344	52270565	87483165	506.239	508.669
26)	Chlordane-4	8.475	7.412	63897529	92286192	504.492	501.371
27)	Chlordane-5	9.368	8.123	11176602	24016196	511.226	505.849

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

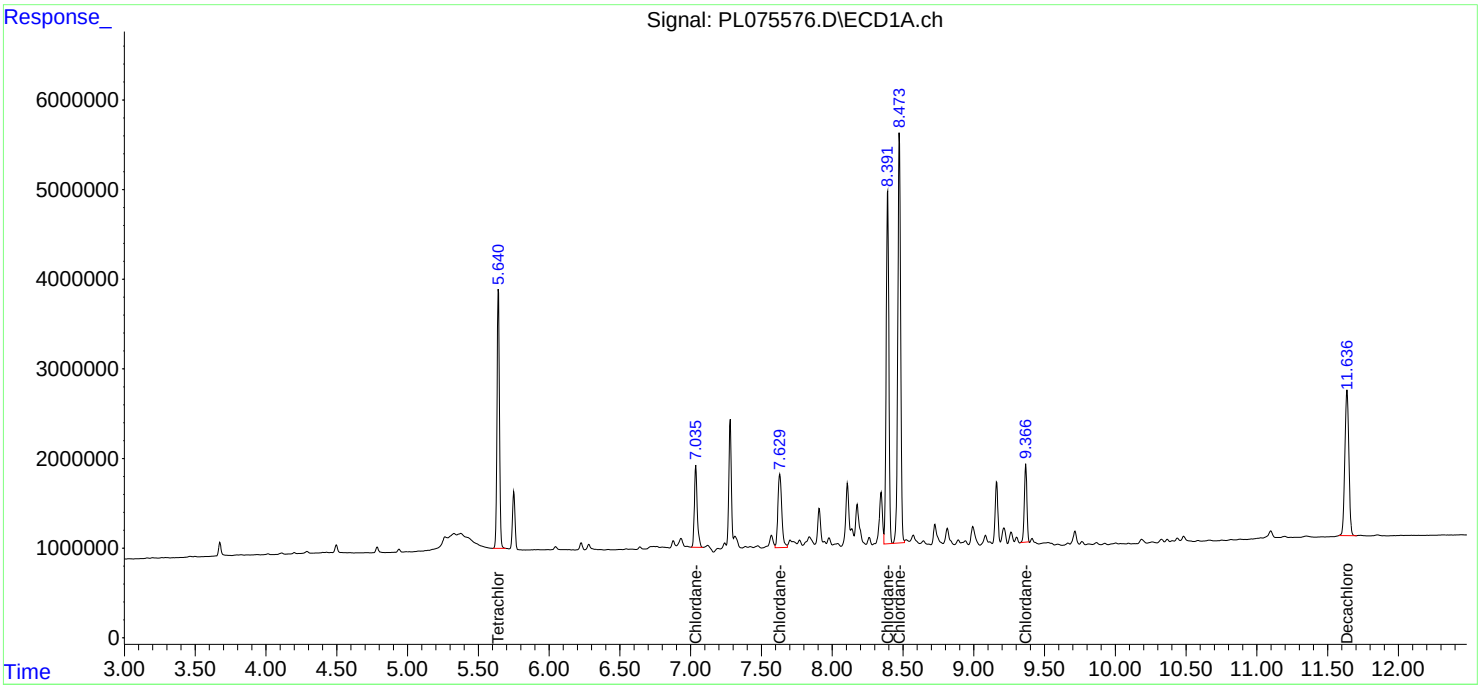
ICAL Form

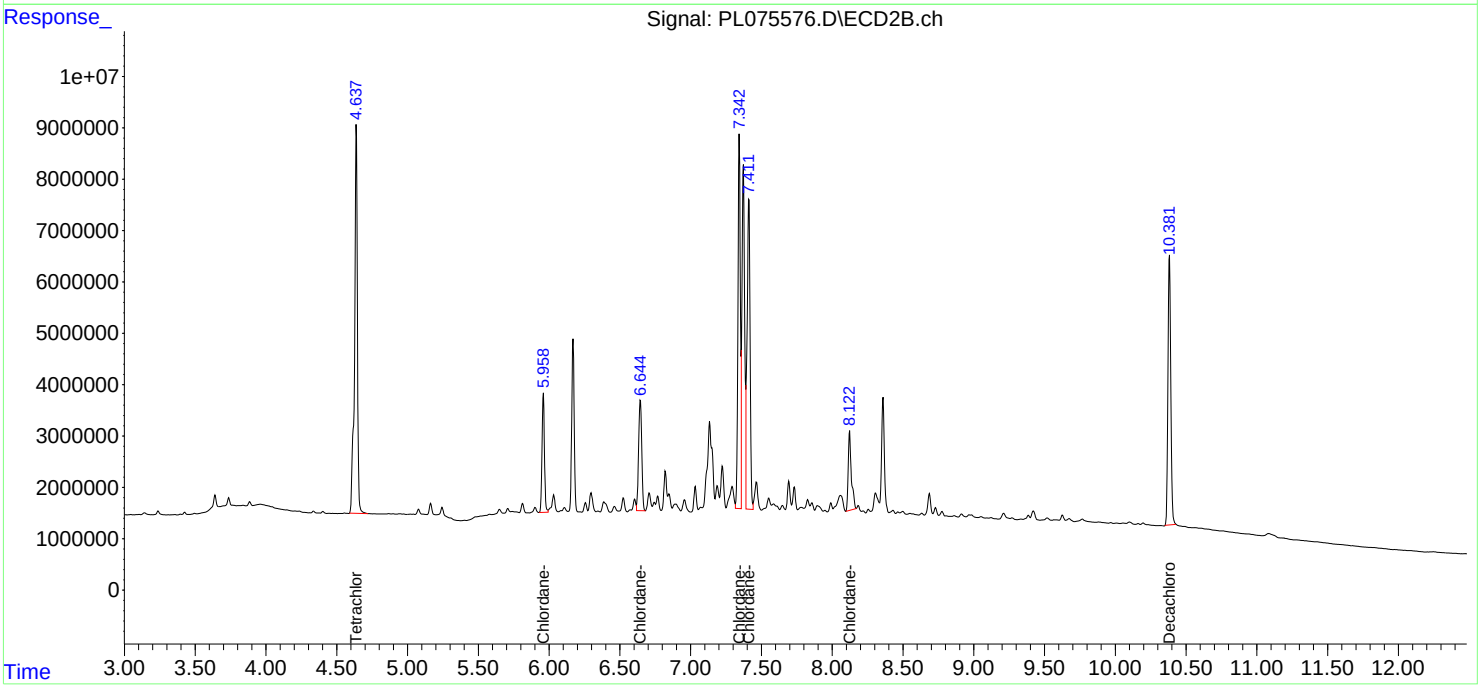
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075576.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 19:21
Operator : AR\AJ
Sample : PCHLORICV500
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:01:59 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:01:25 2022
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\PL060622\
Data File : PL075577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 19:37
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:45:00 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:43:37 2022
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...	5.642	4.638	34056403	83588716	49.751	49.039
7)	SA Decachlor...	11.637	10.383	30688020	70947201	49.563	48.137
	Target Compounds						
2)	Toxaphene-1	8.708	7.720	1944287	4468046	469.794	477.390
3)	Toxaphene-2	9.030	8.392	2044841	13910717	466.177	474.643
4)	Toxaphene-3	9.472	8.809	3096663	6955104	501.839	498.552
5)	Toxaphene-4	9.554	9.038	5678298	11323734	487.724	495.021
6)	Toxaphene-5	10.090	9.177	4581275	15799169	504.902	495.680

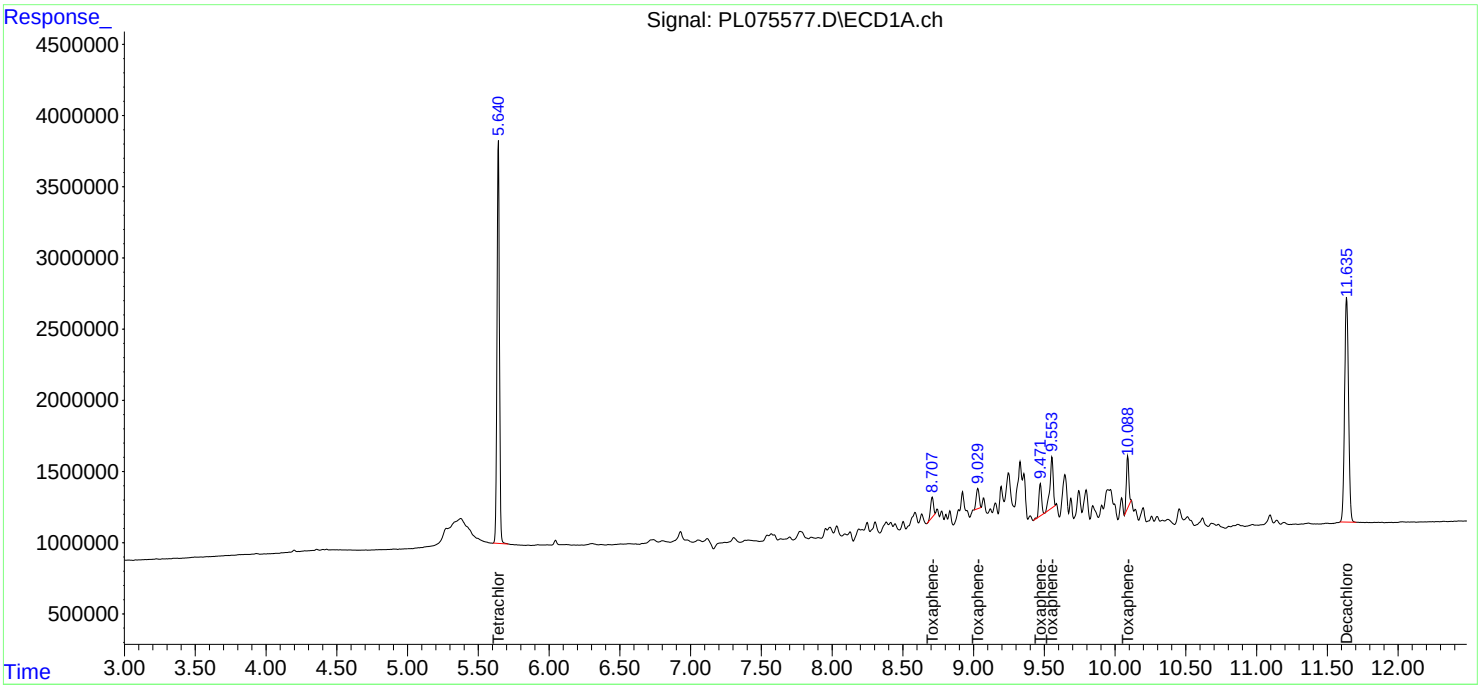
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

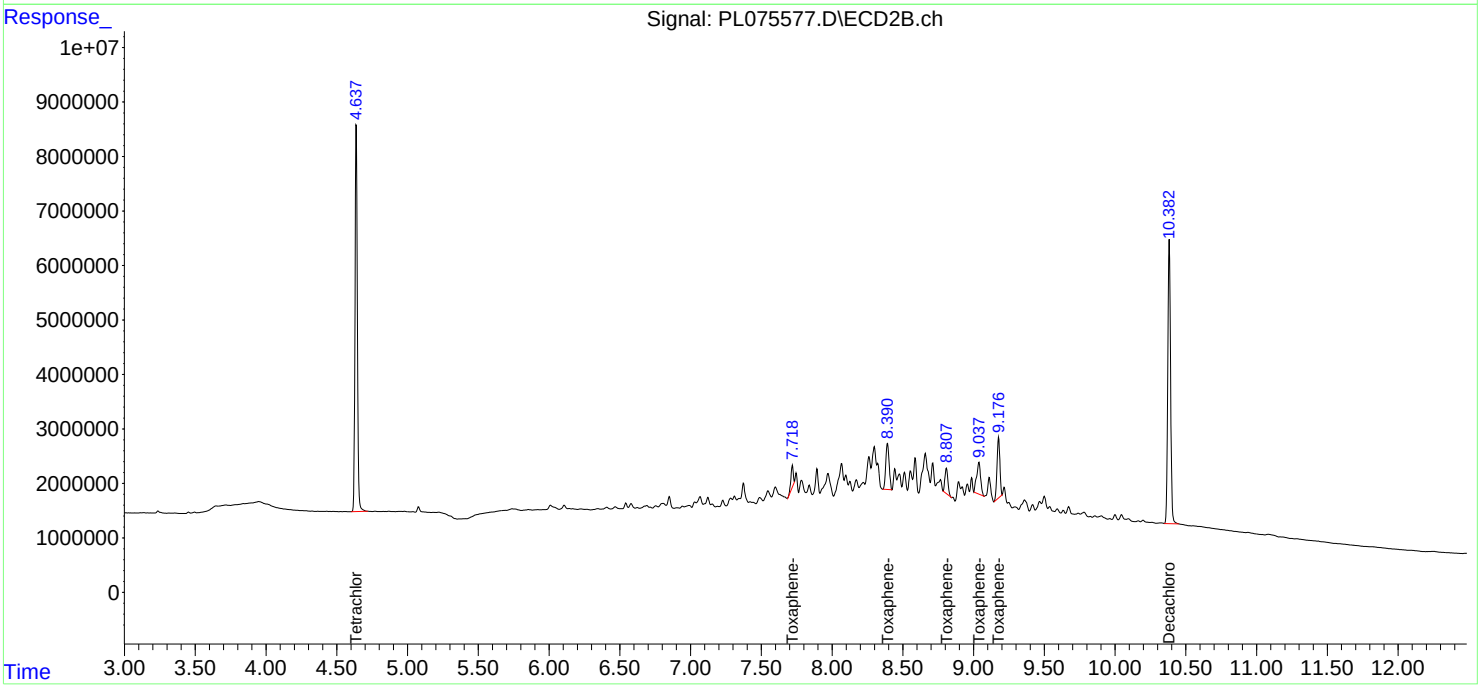
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075577.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 19:37
Operator : AR\AJ
Sample : PTOXICV500
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:45:00 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\LTX060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:43:37 2022
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 0.25µm





Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 20:27
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:50:34 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.638	34108176	84320355	50.539	50.245
28)	SA Decachlor...	11.636	10.383	30522691	70839565	49.856	50.278
	Target Compounds						
2)	A alpha-BHC	6.226	5.340	48693601	119.1E6	51.804	52.617
3)	MA gamma-BHC...	6.624	5.761	46089828	111.0E6	52.510	51.193
4)	MA Heptachlor	7.279	6.169	46362548	109.1E6	50.419	51.186
5)	MB Aldrin	7.653	6.494	43440951	100.4E6	52.909	51.109
6)	B beta-BHC	6.876	6.140	20966251	48507912	51.085	49.420
7)	B delta-BHC	7.146	6.401	42963053	109.6E6	55.834	51.201
8)	B Heptachlo...	8.121	7.067	39965943	93411887	51.703	51.049
9)	A Endosulfan I	8.529	7.470	36279687	85123198	51.851	50.894
10)	B gamma-Chl...	8.391	7.343	39601218	93564746	50.996	51.030
11)	B alpha-Chl...	8.473	7.413	39190790	92619967	51.391	50.726
12)	B 4,4'-DDE	8.658	7.625	34237439	83238253	51.732	52.064
13)	MA Dieldrin	8.819	7.755	37039402	87353727	51.270	51.609
14)	MA Endrin	9.060	8.045	30389940	71479617	51.255	52.285
15)	B Endosulfa...	9.293	8.355	30898634	72509846	49.653	50.597
16)	A 4,4'-DDD	9.200	8.209	28294178	67860768	51.712	51.607
17)	MA 4,4'-DDT	9.520	8.469	32607909	72951059	50.904	51.894
18)	B Endrin al...	9.429	8.542	25698595	57467066	50.176	51.021
19)	B Endosulfa...	9.667	8.772	31631308	73878680	50.497	50.299
20)	A Methoxychlor	10.005	9.061	18058590	41144337	50.447	50.506
21)	B Endrin ke...	10.168	9.290	35720080	81736562	50.794	50.634
22)	Mirex	10.642	9.477	28160396	66064994	50.037	51.447

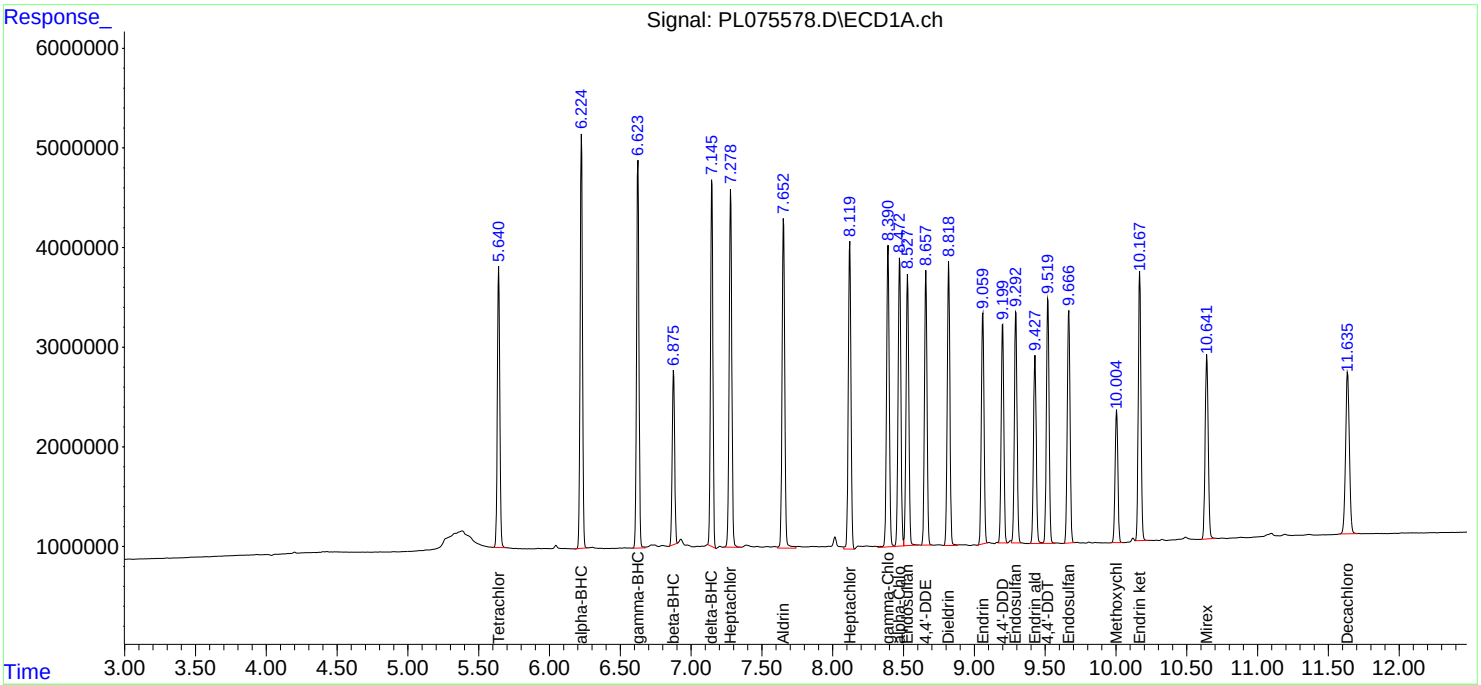
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

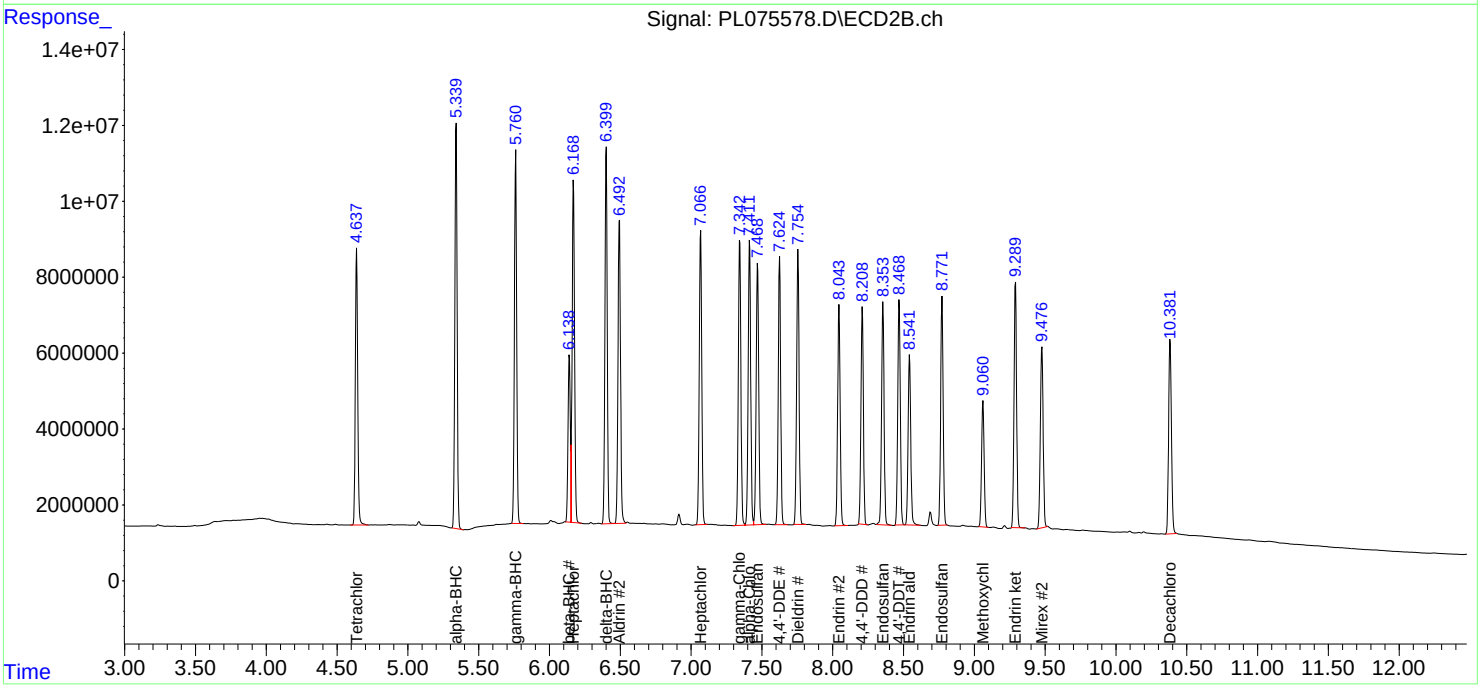
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075578.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 20:27
Operator : AR\AJ
Sample : PSTDICV050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
ICVPL060622

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:50:34 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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: **PL075670.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/09/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 16:09 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	11.64	11.64	11.54	11.74	0.00
Tetrachloro-m-xylene	5.64	5.64	5.54	5.74	0.00
alpha-BHC	6.23	6.23	6.13	6.33	0.00
beta-BHC	6.88	6.88	6.78	6.98	0.00
delta-BHC	7.15	7.15	7.05	7.25	0.00
Heptachlor	7.28	7.28	7.18	7.38	0.00
4,4'-DDE	8.66	8.66	8.56	8.76	0.00
Endrin	9.06	9.06	8.96	9.16	0.00
4,4'-DDD	9.20	9.20	9.10	9.30	0.00
4,4'-DDT	9.52	9.52	9.42	9.62	0.00

Raw Data: **PL075670.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/09/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 16:09 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	10.38	10.38	10.28	10.48	0.00
Tetrachloro-m-xylene	4.64	4.64	4.54	4.74	0.00
alpha-BHC	5.34	5.34	5.24	5.44	0.00
beta-BHC	6.14	6.14	6.04	6.24	0.00
delta-BHC	6.40	6.40	6.30	6.50	0.00
Heptachlor	6.17	6.17	6.07	6.27	0.00
4,4'-DDE	7.63	7.62	7.52	7.72	-0.01
Endrin	8.05	8.05	7.95	8.15	0.00
4,4'-DDD	8.21	8.21	8.11	8.31	0.00
4,4'-DDT	8.47	8.47	8.37	8.57	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL01 **Date Analyzed:** 06/09/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075670.D **Time Analyzed:** 16:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	9.203	9.100	9.300	53.640	50.000	7.3
4,4'-DDE	8.662	8.558	8.758	52.700	50.000	5.4
4,4'-DDT	9.523	9.419	9.619	46.010	50.000	-8.0
alpha-BHC	6.229	6.125	6.325	54.680	50.000	9.4
beta-BHC	6.879	6.775	6.975	52.190	50.000	4.4
Decachlorobiphenyl	11.642	11.536	11.736	53.070	50.000	6.1
delta-BHC	7.149	7.045	7.245	58.480	50.000	17.0
Endrin	9.064	8.959	9.159	50.250	50.000	0.5
Heptachlor	7.282	7.179	7.379	50.930	50.000	1.9
Tetrachloro-m-xylene	5.644	5.541	5.741	53.070	50.000	6.1

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL01 **Date Analyzed:** 06/09/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075670.D **Time Analyzed:** 16:09

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	8.209	8.108	8.308	49.060	50.000	-1.9
4,4'-DDE	7.626	7.524	7.724	47.980	50.000	-4.0
4,4'-DDT	8.470	8.369	8.569	44.940	50.000	-10.1
alpha-BHC	5.340	5.240	5.440	51.050	50.000	2.1
beta-BHC	6.140	6.040	6.240	48.460	50.000	-3.1
Decachlorobiphenyl	10.384	10.283	10.483	41.790	50.000	-16.4
delta-BHC	6.400	6.300	6.500	49.290	50.000	-1.4
Endrin	8.045	7.945	8.145	50.550	50.000	1.1
Heptachlor	6.169	6.069	6.269	47.190	50.000	-5.6
Tetrachloro-m-xylene	4.637	4.538	4.738	49.150	50.000	-1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 16:09
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: Jun 09 23:49:19 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.644	4.637	35819468	82483683	53.075	49.150
28)	SA Decachlor...	11.642	10.384	32487987	58886745	53.066	41.795
	Target Compounds						
2)	A alpha-BHC	6.229	5.340	51396919	115.6E6	54.680	51.050
3)	MA gamma-BHC...	6.627	5.761	47713334	108.0E6	54.359	49.801
4)	MA Heptachlor	7.282	6.169	46831857	100.6E6	50.930	47.186
5)	MB Aldrin	7.656	6.494	45319801	96328742	55.197	49.048
6)	B beta-BHC	6.879	6.140	21417719	47561581	52.185	48.456
7)	B delta-BHC	7.149	6.400	44998416	105.5E6	58.479	49.289
8)	B Heptachlo...	8.124	7.067	41663735	86741274	53.899	47.403
9)	A Endosulfan I	8.532	7.469	37385091	78999980	53.431	47.233
10)	B gamma-Chl...	8.394	7.344	41366100	87176288	53.269	47.546
11)	B alpha-Chl...	8.475	7.413	40423848	85854313	53.008	47.021
12)	B 4,4'-DDE	8.662	7.626	34876886	76703814	52.698	47.977
13)	MA Dieldrin	8.823	7.755	37701125	80812861	52.186	47.745
14)	MA Endrin	9.064	8.045	29792940	69104065	50.248	50.547
15)	B Endosulfa...	9.298	8.355	30639227	66490746	49.237	46.397
16)	A 4,4'-DDD	9.203	8.209	29351024	64509501	53.643	49.058
17)	MA 4,4'-DDT	9.523	8.470	29476142	63177027	46.015	44.941
18)	B Endrin al...	9.432	8.543	24619307	50999284	48.069	45.278
19)	B Endosulfa...	9.671	8.773	31660577	66880676	50.544	45.535
20)	A Methoxychlor	10.009	9.062	16080010	34706450	44.920	42.603
21)	B Endrin ke...	10.173	9.292	35296185	72503591	50.191	44.915
22)	Mirex	10.646	9.478	27543094	58169573	48.940	45.299

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

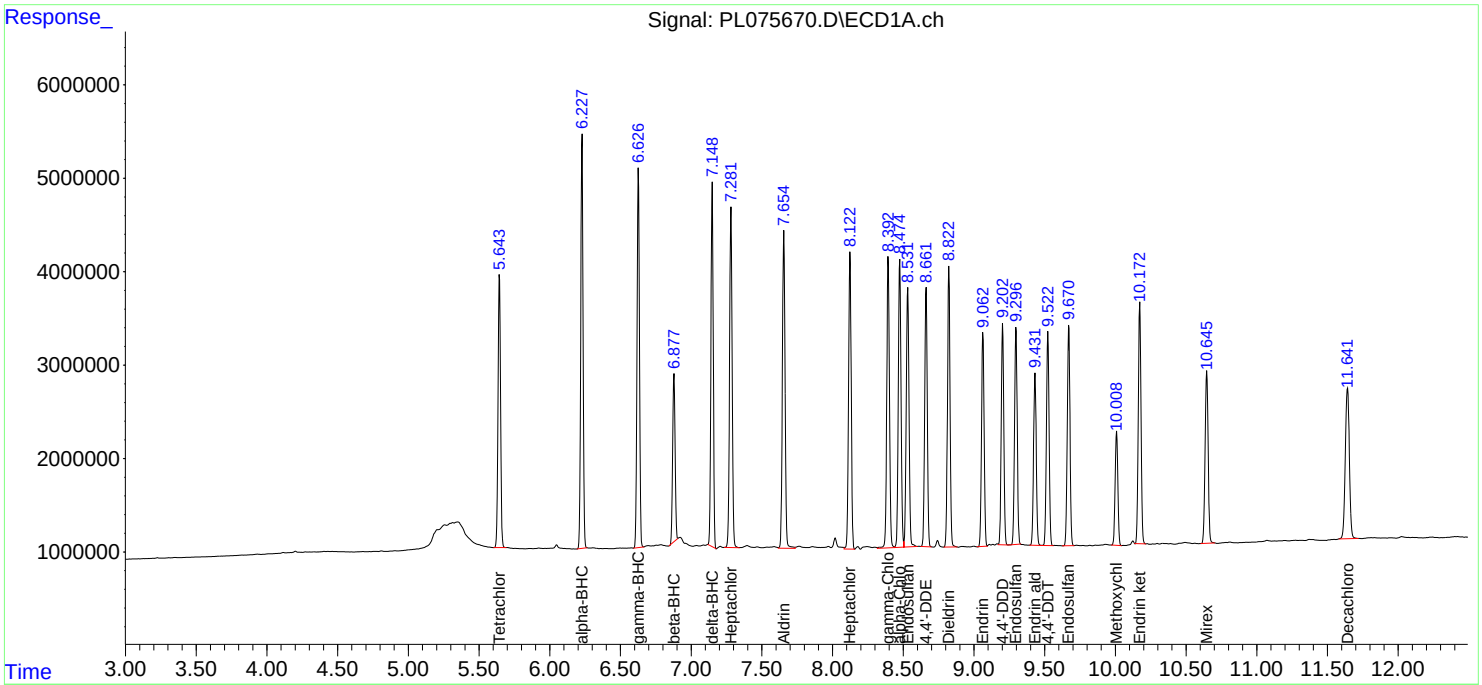
Sample Results: **PL075670.D**

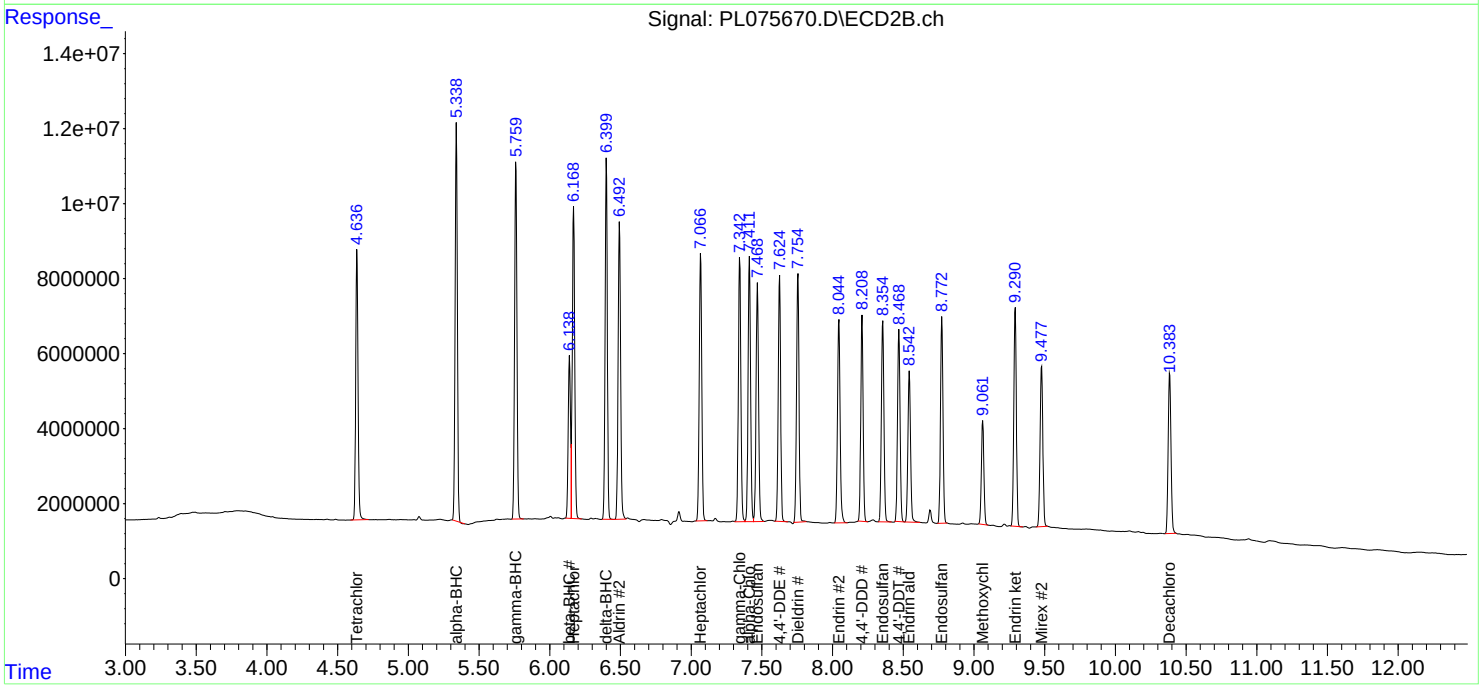
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075670.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 16:09
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:49:19 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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: **PL075677.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/09/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 18:06 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	11.64	11.64	11.54	11.74	0.00
Tetrachloro-m-xylene	5.64	5.64	5.54	5.74	0.00
alpha-BHC	6.23	6.23	6.13	6.33	0.01
beta-BHC	6.88	6.88	6.78	6.98	0.00
delta-BHC	7.15	7.15	7.05	7.25	0.00
Heptachlor	7.28	7.28	7.18	7.38	0.00
4,4'-DDE	8.66	8.66	8.56	8.76	0.00
Endrin	9.06	9.06	8.96	9.16	0.00
4,4'-DDD	9.20	9.20	9.10	9.30	0.00
4,4'-DDT	9.52	9.52	9.42	9.62	0.00

Raw Data: **PL075677.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/09/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 18:06 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	10.38	10.38	10.28	10.48	0.00
Tetrachloro-m-xylene	4.64	4.64	4.54	4.74	0.00
alpha-BHC	5.34	5.34	5.24	5.44	0.00
beta-BHC	6.14	6.14	6.04	6.24	0.00
delta-BHC	6.40	6.40	6.30	6.50	0.00
Heptachlor	6.17	6.17	6.07	6.27	0.00
4,4'-DDE	7.62	7.62	7.52	7.72	0.00
Endrin	8.04	8.05	7.95	8.15	0.01
4,4'-DDD	8.21	8.21	8.11	8.31	0.00
4,4'-DDT	8.47	8.47	8.37	8.57	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL02 **Date Analyzed:** 06/09/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075677.D **Time Analyzed:** 18:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	9.201	9.100	9.300	53.340	50.000	6.7
4,4'-DDE	8.659	8.558	8.758	52.740	50.000	5.5
4,4'-DDT	9.521	9.419	9.619	45.800	50.000	-8.4
alpha-BHC	6.225	6.125	6.325	54.050	50.000	8.1
beta-BHC	6.876	6.775	6.975	52.250	50.000	4.5
Decachlorobiphenyl	11.638	11.536	11.736	50.530	50.000	1.1
delta-BHC	7.147	7.045	7.245	58.070	50.000	16.1
Endrin	9.062	8.959	9.159	51.050	50.000	2.1
Heptachlor	7.279	7.179	7.379	51.100	50.000	2.2
Tetrachloro-m-xylene	5.641	5.541	5.741	52.320	50.000	4.6

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL02 **Date Analyzed:** 06/09/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075677.D **Time Analyzed:** 18:06

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	8.208	8.108	8.308	48.320	50.000	-3.4
4,4'-DDE	7.624	7.524	7.724	48.950	50.000	-2.1
4,4'-DDT	8.469	8.369	8.569	44.400	50.000	-11.2
alpha-BHC	5.339	5.240	5.440	50.910	50.000	1.8
beta-BHC	6.138	6.040	6.240	48.100	50.000	-3.8
Decachlorobiphenyl	10.383	10.283	10.483	41.940	50.000	-16.1
delta-BHC	6.399	6.300	6.500	49.070	50.000	-1.9
Endrin	8.044	7.945	8.145	51.570	50.000	3.1
Heptachlor	6.168	6.069	6.269	47.500	50.000	-5.0
Tetrachloro-m-xylene	4.636	4.538	4.738	47.130	50.000	-5.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075677.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 18:06
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: Jun 09 23:51:27 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.636	35307497	79096841	52.316	47.132
28)	SA Decachlor...	11.638	10.383	30934679	59098363	50.528	41.945
	Target Compounds						
2)	A alpha-BHC	6.225	5.339	50803540	115.3E6	54.049	50.912
3)	MA gamma-BHC...	6.624	5.760	47322307	107.0E6	53.914	49.361
4)	MA Heptachlor	7.279	6.168	46993058	101.3E6	51.105	47.501
5)	MB Aldrin	7.653	6.492	44634015	96650965	54.362	49.212
6)	B beta-BHC	6.876	6.138	21443340	47208682	52.248	48.096
7)	B delta-BHC	7.147	6.399	44687548	105.0E6	58.075	49.069
8)	B Heptachlo...	8.121	7.066	41590204	88610888	53.804	48.425
9)	A Endosulfan I	8.530	7.468	37281636	80597214	53.283	48.188
10)	B gamma-Chl...	8.392	7.343	40941019	89069863	52.721	48.579
11)	B alpha-Chl...	8.473	7.412	40258546	87696713	52.791	48.030
12)	B 4,4'-DDE	8.659	7.624	34907171	78265102	52.744	48.953
13)	MA Dieldrin	8.820	7.753	37457747	82562783	51.849	48.779
14)	MA Endrin	9.062	8.044	30268945	70505079	51.051	51.572
15)	B Endosulfa...	9.295	8.354	30490579	65940221	48.998	46.013
16)	A 4,4'-DDD	9.201	8.208	29186659	63539466	53.343	48.321
17)	MA 4,4'-DDT	9.521	8.469	29339864	62416322	45.802	44.400
18)	B Endrin al...	9.430	8.542	24053543	50062500	46.964	44.447
19)	B Endosulfa...	9.669	8.772	31528578	67554922	50.333	45.994
20)	A Methoxychlor	10.006	9.061	15854807	34849380	44.291	42.779
21)	B Endrin ke...	10.170	9.290	35022275	72495847	49.801	44.910
22)	Mirex	10.644	9.477	26940790	57614043	47.870	44.866

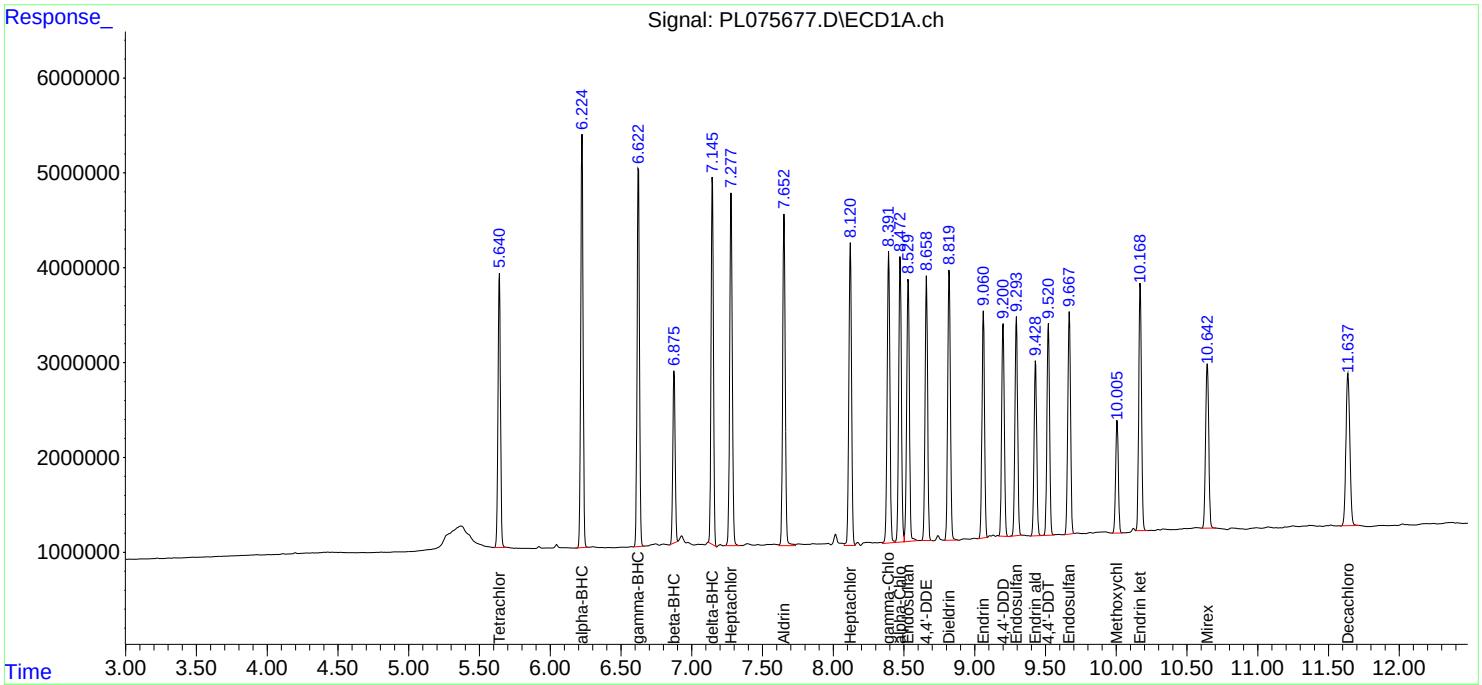
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

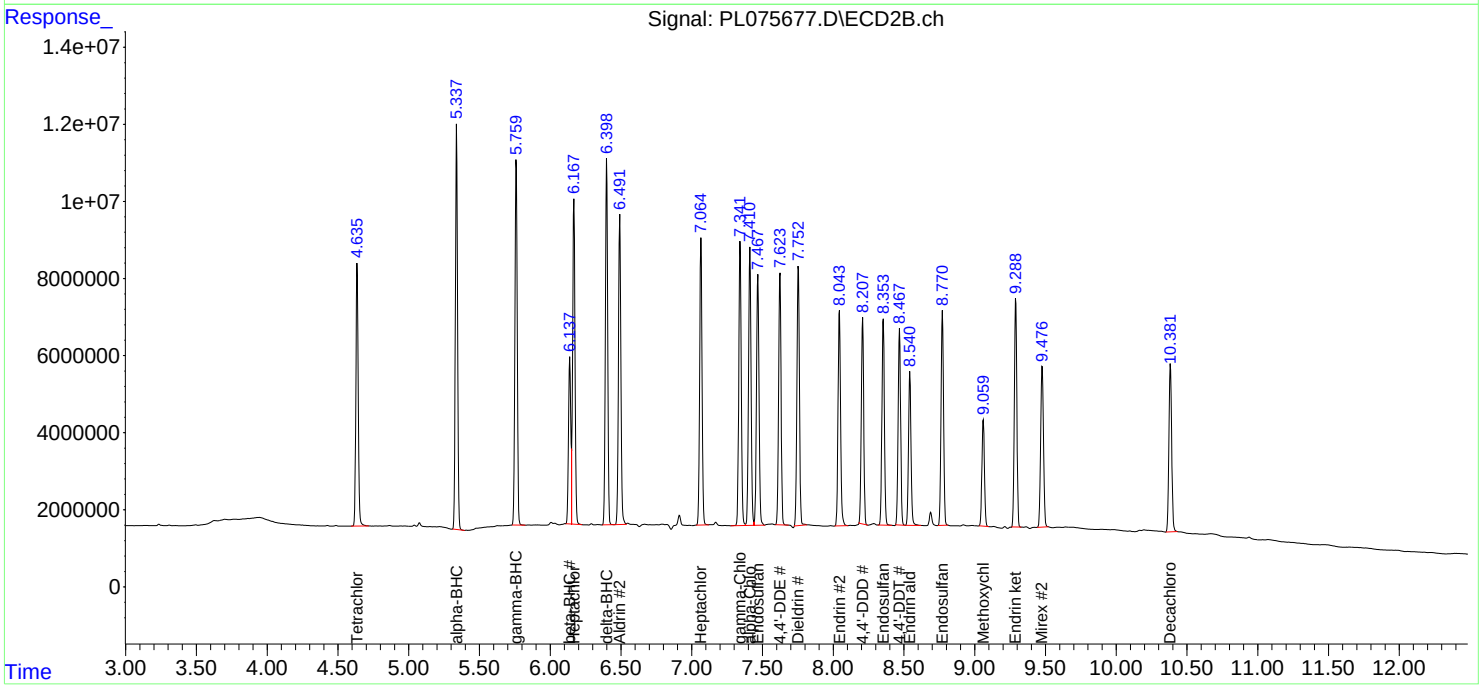
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075677.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 18:06
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:51:27 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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: **PL075681.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/10/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	11.64	11.64	11.54	11.74	0.00
Tetrachloro-m-xylene	5.64	5.64	5.54	5.74	0.00
alpha-BHC	6.23	6.23	6.13	6.33	0.01
beta-BHC	6.88	6.88	6.78	6.98	0.00
delta-BHC	7.15	7.15	7.05	7.25	0.00
Heptachlor	7.28	7.28	7.18	7.38	0.00
4,4'-DDE	8.66	8.66	8.56	8.76	0.00
Endrin	9.06	9.06	8.96	9.16	0.00
4,4'-DDD	9.20	9.20	9.10	9.30	0.00
4,4'-DDT	9.52	9.52	9.42	9.62	0.00

Raw Data: **PL075681.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/10/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 13:42 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	10.38	10.38	10.28	10.48	0.00
Tetrachloro-m-xylene	4.64	4.64	4.54	4.74	0.00
alpha-BHC	5.34	5.34	5.24	5.44	0.00
beta-BHC	6.14	6.14	6.04	6.24	0.00
delta-BHC	6.40	6.40	6.30	6.50	0.00
Heptachlor	6.17	6.17	6.07	6.27	0.00
4,4'-DDE	7.62	7.62	7.52	7.72	0.00
Endrin	8.04	8.05	7.95	8.15	0.01
4,4'-DDD	8.21	8.21	8.11	8.31	0.00
4,4'-DDT	8.47	8.47	8.37	8.57	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL03 **Date Analyzed:** 06/10/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075681.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	9.200	9.100	9.300	52.180	50.000	4.4
4,4'-DDE	8.658	8.558	8.758	51.480	50.000	3.0
4,4'-DDT	9.519	9.419	9.619	44.790	50.000	-10.4
alpha-BHC	6.225	6.125	6.325	51.340	50.000	2.7
beta-BHC	6.876	6.775	6.975	50.080	50.000	0.2
Decachlorobiphenyl	11.637	11.536	11.736	47.440	50.000	-5.1
delta-BHC	7.146	7.045	7.245	56.330	50.000	12.7
Endrin	9.060	8.959	9.159	48.480	50.000	-3.0
Heptachlor	7.279	7.179	7.379	48.560	50.000	-2.9
Tetrachloro-m-xylene	5.641	5.541	5.741	49.530	50.000	-0.9

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL03 **Date Analyzed:** 06/10/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075681.D **Time Analyzed:** 13:42

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	8.206	8.108	8.308	47.110	50.000	-5.8
4,4'-DDE	7.623	7.524	7.724	45.640	50.000	-8.7
4,4'-DDT	8.468	8.369	8.569	42.580	50.000	-14.8
alpha-BHC	5.339	5.240	5.440	46.540	50.000	-6.9
beta-BHC	6.138	6.040	6.240	43.650	50.000	-12.7
Decachlorobiphenyl	10.382	10.283	10.483	40.880	50.000	-18.2
delta-BHC	6.399	6.300	6.500	45.300	50.000	-9.4
Endrin	8.043	7.945	8.145	47.090	50.000	-5.8
Heptachlor	6.168	6.069	6.269	43.840	50.000	-12.3
Tetrachloro-m-xylene	4.637	4.538	4.738	44.460	50.000	-11.1

Sample Results: **PL075681.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 13:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:29:28 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.637	33426196	74604568	49.529	44.455
28)	SA Decachlor...	11.637	10.382	29045306	57600463	47.442	40.882
	Target Compounds						
2)	A alpha-BHC	6.225	5.339	48260508	105.4E6	51.343	46.538
3)	MA gamma-BHC...	6.623	5.760	44996192	98538224	51.264	45.439
4)	MA Heptachlor	7.279	6.168	44651729	93464987	48.559	43.835
5)	MB Aldrin	7.653	6.492	42219327	88621863	51.421	45.124
6)	B beta-BHC	6.876	6.138	20553204	42847365	50.079	43.653
7)	B delta-BHC	7.146	6.399	43347166	96972774	56.333	45.296
8)	B Heptachlo...	8.120	7.066	39470507	81592466	51.062	44.590
9)	A Endosulfan I	8.528	7.468	35867807	74770993	51.263	44.704
10)	B gamma-Chl...	8.391	7.342	39246742	82146491	50.540	44.803
11)	B alpha-Chl...	8.473	7.411	38852017	80991076	50.947	44.357
12)	B 4,4'-DDE	8.658	7.623	34072188	72974722	51.482	45.644
13)	MA Dieldrin	8.819	7.753	36428256	77338387	50.424	45.692
14)	MA Endrin	9.060	8.043	28743921	64373936	48.479	47.087
15)	B Endosulfa...	9.293	8.353	29587631	62599576	47.547	43.682
16)	A 4,4'-DDD	9.200	8.206	28549384	61951156	52.178	47.113m
17)	MA 4,4'-DDT	9.519	8.468	28689797	59858125	44.787	42.580
18)	B Endrin al...	9.429	8.541	23884152	48135428	46.633	42.736
19)	B Endosulfa...	9.667	8.771	30565761	64931244	48.796	44.208
20)	A Methoxychlor	10.005	9.060	15553014	32588137	43.448	40.003
21)	B Endrin ke...	10.169	9.289	33978374	71892127	48.317	44.536
22)	Mirex	10.642	9.476	26146923	55560883	46.459	43.267

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

Sample Results: **PL075681.D**

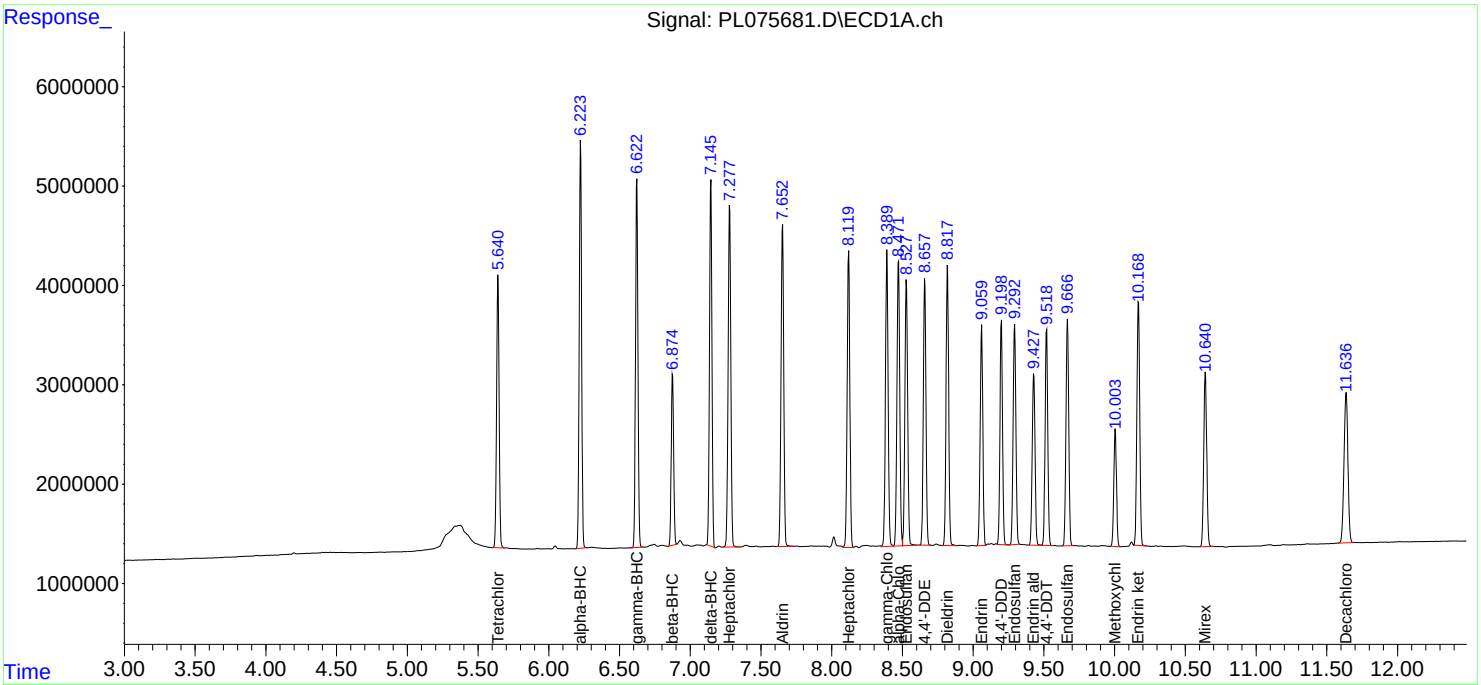
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075681.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 13:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

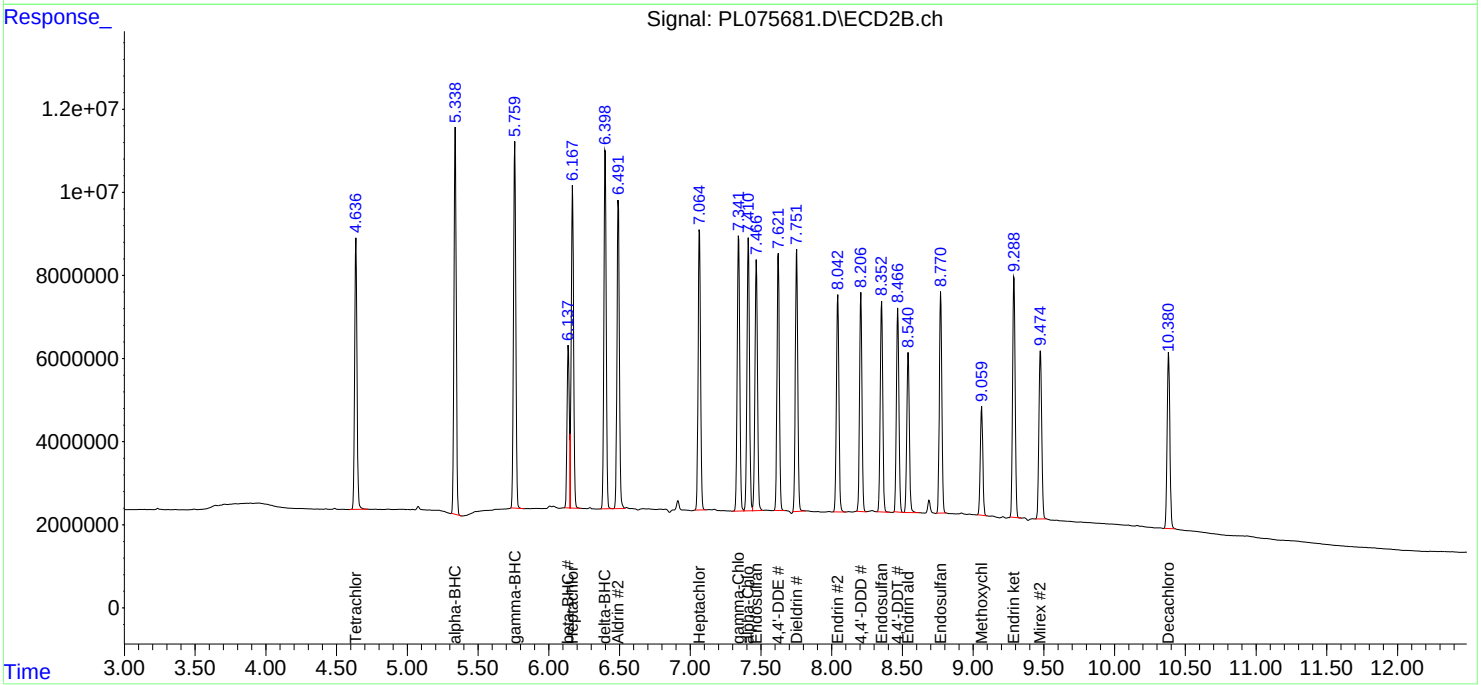
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:29:28 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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: **PL075695.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/10/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 19:57 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	11.64	11.64	11.54	11.74	0.00
Tetrachloro-m-xylene	5.64	5.64	5.54	5.74	0.00
alpha-BHC	6.22	6.23	6.13	6.33	0.01
beta-BHC	6.88	6.88	6.78	6.98	0.00
delta-BHC	7.15	7.15	7.05	7.25	0.01
Heptachlor	7.28	7.28	7.18	7.38	0.00
4,4'-DDE	8.66	8.66	8.56	8.76	0.00
Endrin	9.06	9.06	8.96	9.16	0.00
4,4'-DDD	9.20	9.20	9.10	9.30	0.00
4,4'-DDT	9.52	9.52	9.42	9.62	0.00

Raw Data: **PL075695.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Continuing Calib Date: 06/10/2022 **Initial Calibration Date(s):** 06/06/2022 06/06/2022

Continuing Calib Time: 19:57 **Initial Calibration Time(s):** 14:25 15:31

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW FROM	RT WINDOW TO	DIFF RT
Decachlorobiphenyl	10.38	10.38	10.28	10.48	0.00
Tetrachloro-m-xylene	4.64	4.64	4.54	4.74	0.00
alpha-BHC	5.34	5.34	5.24	5.44	0.00
beta-BHC	6.14	6.14	6.04	6.24	0.00
delta-BHC	6.40	6.40	6.30	6.50	0.00
Heptachlor	6.17	6.17	6.07	6.27	0.00
4,4'-DDE	7.62	7.62	7.52	7.72	0.00
Endrin	8.04	8.05	7.95	8.15	0.01
4,4'-DDD	8.20	8.21	8.11	8.31	0.01
4,4'-DDT	8.47	8.47	8.37	8.57	0.00

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL04 **Date Analyzed:** 06/10/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075695.D **Time Analyzed:** 19:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	9.200	9.100	9.300	51.850	50.000	3.7
4,4'-DDE	8.658	8.558	8.758	50.110	50.000	0.2
4,4'-DDT	9.519	9.419	9.619	42.650	50.000	-14.7
alpha-BHC	6.224	6.125	6.325	49.790	50.000	-0.4
beta-BHC	6.875	6.775	6.975	48.780	50.000	-2.4
Decachlorobiphenyl	11.637	11.536	11.736	45.440	50.000	-9.1
delta-BHC	7.145	7.045	7.245	54.790	50.000	9.6
Endrin	9.060	8.959	9.159	47.560	50.000	-4.9
Heptachlor	7.278	7.179	7.379	47.160	50.000	-5.7
Tetrachloro-m-xylene	5.641	5.541	5.741	48.250	50.000	-3.5

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR1 **ID:** 0.32 **(mm)** **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No.: CCAL04 **Date Analyzed:** 06/10/2022

Lab Sample No.: PSTDCCC050 **Data File :** PL075695.D **Time Analyzed:** 19:57

COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
4,4'-DDD	8.204	8.108	8.308	48.480	50.000	-3.0
4,4'-DDE	7.622	7.524	7.724	46.730	50.000	-6.5
4,4'-DDT	8.466	8.369	8.569	42.180	50.000	-15.6
alpha-BHC	5.337	5.240	5.440	48.000	50.000	-4.0
beta-BHC	6.137	6.040	6.240	44.680	50.000	-10.6
Decachlorobiphenyl	10.381	10.283	10.483	41.780	50.000	-16.4
delta-BHC	6.398	6.300	6.500	46.350	50.000	-7.3
Endrin	8.042	7.945	8.145	48.000	50.000	-4.0
Heptachlor	6.166	6.069	6.269	45.390	50.000	-9.2
Tetrachloro-m-xylene	4.635	4.538	4.738	45.100	50.000	-9.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 19:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 05:35:05 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.635	32564215	75680671	48.251	45.097
28)	SA Decachlor...	11.637	10.381	27818094	58869856	45.438	41.783
	Target Compounds						
2)	A alpha-BHC	6.224	5.337	46800731	108.7E6	49.790	47.997
3)	MA gamma-BHC...	6.623	5.758	43712575	100.9E6	49.801	46.515
4)	MA Heptachlor	7.278	6.166	43365151	96776813	47.160	45.389
5)	MB Aldrin	7.652	6.490	41573582	90925842	50.634	46.297
6)	B beta-BHC	6.875	6.137	20020289	43859361	48.780	44.684
7)	B delta-BHC	7.145	6.398	42156081	99219555	54.785	46.346
8)	B Heptachlo...	8.120	7.064	38649857	83889986	50.000	45.845
9)	A Endosulfan I	8.528	7.467	34797444	76727385	49.733	45.874
10)	B gamma-Chl...	8.390	7.341	38364822	84031033	49.404	45.830
11)	B alpha-Chl...	8.472	7.410	37646167	82949755	49.365	45.430
12)	B 4,4'-DDE	8.658	7.622	33163130	74712935	50.108	46.731
13)	MA Dieldrin	8.818	7.752	35500852	79272836	49.141	46.835
14)	MA Endrin	9.060	8.042	28196367	65615496	47.556	47.995
15)	B Endosulfa...	9.293	8.352	28997332	63768717	46.598	44.498
16)	A 4,4'-DDD	9.200	8.204	28372295	63753558	51.854	48.483m
17)	MA 4,4'-DDT	9.519	8.466	27319521	59301930	42.648	42.185
18)	B Endrin al...	9.429	8.540	22862528	48101994	44.639	42.706
19)	B Endosulfa...	9.667	8.770	29852438	65773226	47.657	44.781
20)	A Methoxychlor	10.004	9.059	14928744	32792481	41.704	40.254
21)	B Endrin ke...	10.169	9.289	33243936	73330081	47.273	45.427
22)	Mirex	10.641	9.475	25161205	56175402	44.708	43.746

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

Sample Results: **PL075695.D**

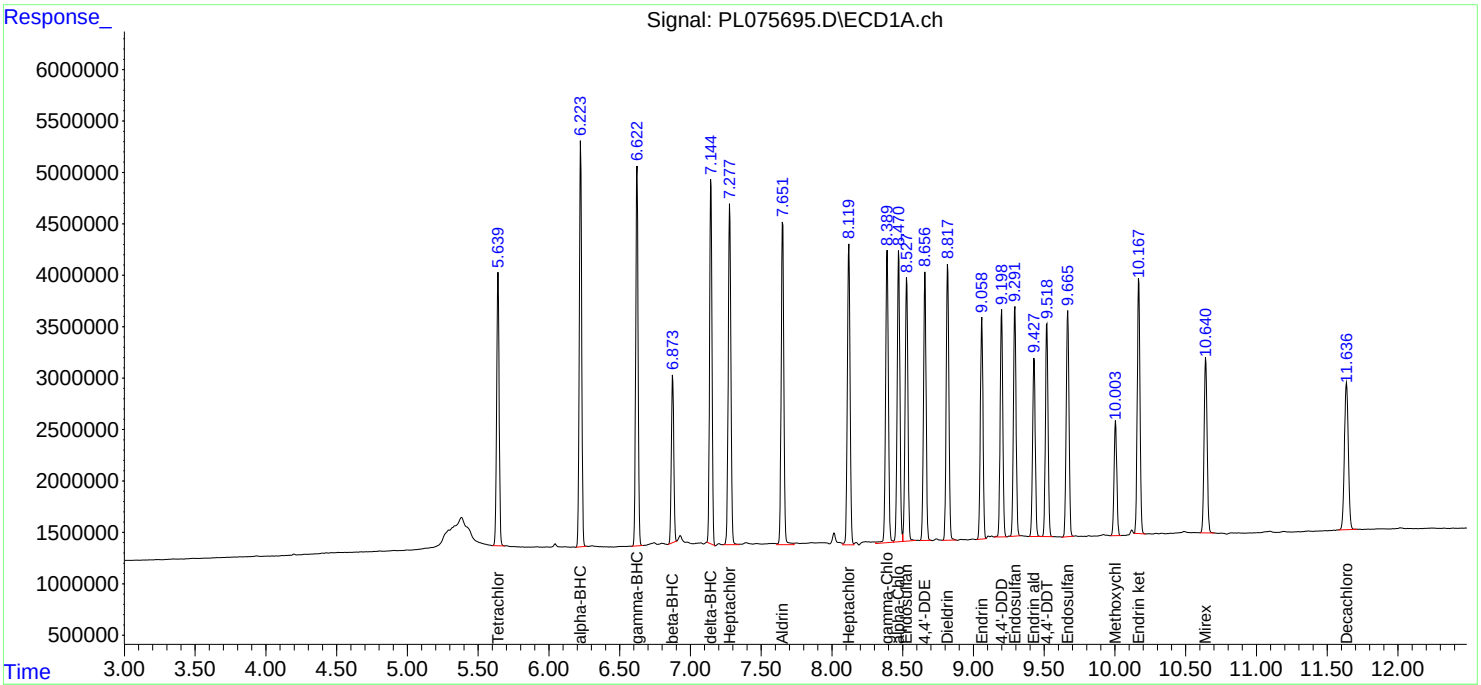
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075695.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 19:57
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

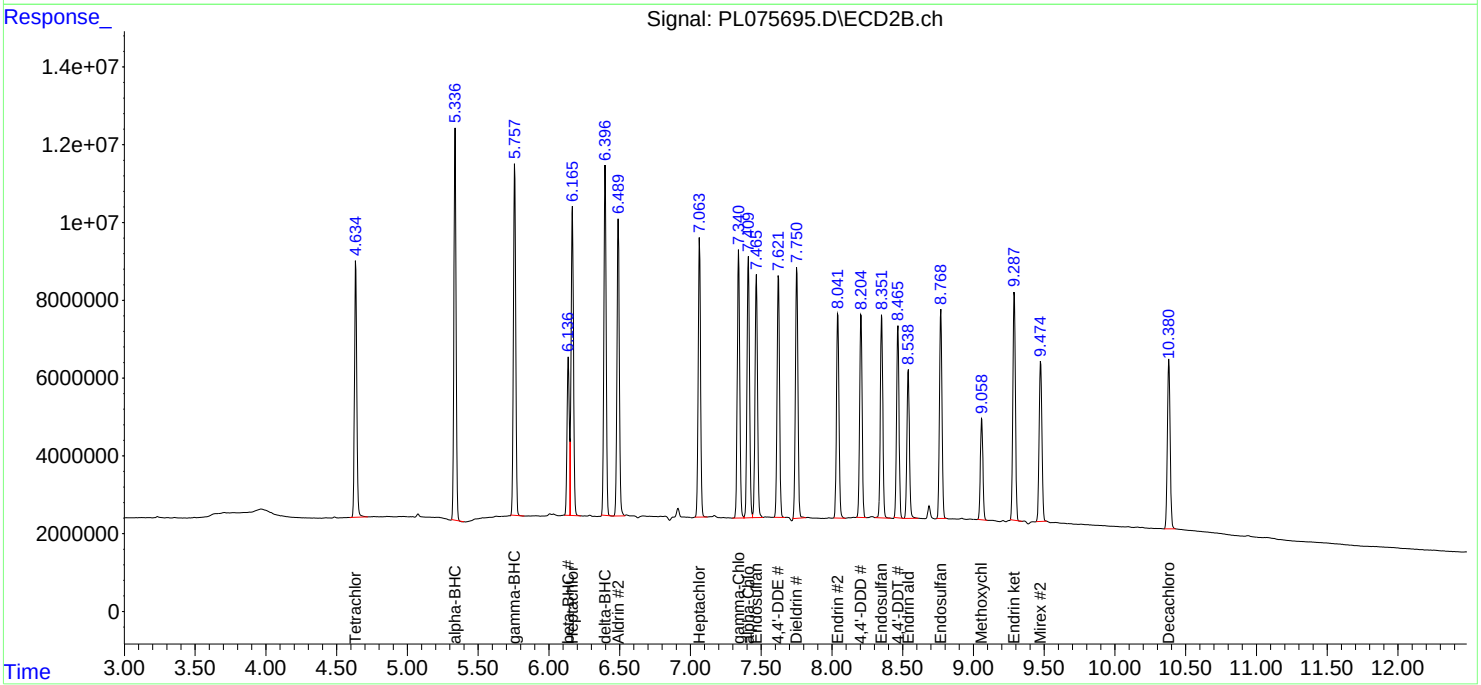
Instrument :
ECD_L
ClientSampleId :
PSTDCCC050

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 05:35:05 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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





CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075558.D **Date Analyzed:** 06/06/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:52

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	11.636	11.540	11.740	19.570	20.000	-2.2
Tetrachloro-m-xylene	5.641	5.590	5.690	18.610	20.000	-7.0
alpha-BHC	6.225	6.170	6.280	8.300	10.000	-17.0
beta-BHC	6.875	6.820	6.930	9.050	10.000	-9.5
gamma-BHC (Lindane)	6.623	6.570	6.670	8.390	10.000	-16.1
Endrin	9.060	8.990	9.130	47.430	50.000	-5.1
4,4'-DDT	9.519	9.450	9.590	91.190	100.000	-8.8
Methoxychlor	10.005	9.930	10.080	222.800	250.000	-10.9

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075558.D **Date Analyzed:** 06/06/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 13:52

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	10.382	10.280	10.480	19.400	20.000	-3.0
Tetrachloro-m-xylene	4.638	4.590	4.690	19.130	20.000	-4.4
alpha-BHC	5.340	5.290	5.390	8.520	10.000	-14.8
beta-BHC	6.138	6.090	6.190	9.840	10.000	-1.6
gamma-BHC (Lindane)	5.761	5.710	5.810	8.870	10.000	-11.3
Endrin	8.045	7.970	8.120	49.110	50.000	-1.8
4,4'-DDT	8.469	8.400	8.540	93.740	100.000	-6.3
Methoxychlor	9.062	8.990	9.130	220.940	250.000	-11.6

PEM

Data File Name PL075558.D

Operator AR\AJ **Date Acquired** 6/6/2022 13:52

DDT BREAKDOWN

COLUMN#1

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	58415813.63	58925740.22	509926.595	**0.87**
4,4'-DDE	7.56	144182.342			
4,4'-DDD	8.14	365744.253			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	131779444.9	132379905	600460.041	**0.45**
4,4'DDE #2	8.49	248897.977			
4,4'-DDD #2	9.03	351562.064			

ENDRIN BREAKDOWN

COLUMN#1

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	9.06	28123578.8	29027050.1	903471.296	**3.11**
Endrin aldehyde	9.43	160825.505			
Endrin ketone	10.17	742645.791			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	8.04	67140004.62	69287919.74	2147915.123	**3.10**
Endrin aldehyde #2	8.55	842614.607			
Endrin ketone #2	9.29	1305300.516			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 13:52
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:49:12 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.638	12560586	32101808	18.611	19.129
28)	SA Decachlor...	11.636	10.382	11983722	27339723	19.574	19.404
	Target Compounds						
2)	A alpha-BHC	6.225	5.340	7799325	19295774	8.297	8.522
3)	MA gamma-BHC...	6.623	5.761	7362677	19238177	8.388	8.871
6)	B beta-BHC	6.875	6.138	3712636	9657161	9.046	9.839m
12)	B 4,4'-DDE	8.655	7.622	144182	248898	0.218m	0.156m#
14)	MA Endrin	9.060	8.045	28123579	67140005	47.433	49.111
16)	A 4,4'-DDD	9.197	8.209	365744	351562	0.668	0.267m#
17)	MA 4,4'-DDT	9.519	8.469	58415814	131.8E6	91.192	93.742
18)	B Endrin al...	9.428	8.545	160826	842615	0.314m	0.748m#
20)	A Methoxychlor	10.005	9.062	79756487	180.0E6	222.801	220.940
21)	B Endrin ke...	10.171	9.289	742646	1305301	1.056m	0.809

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

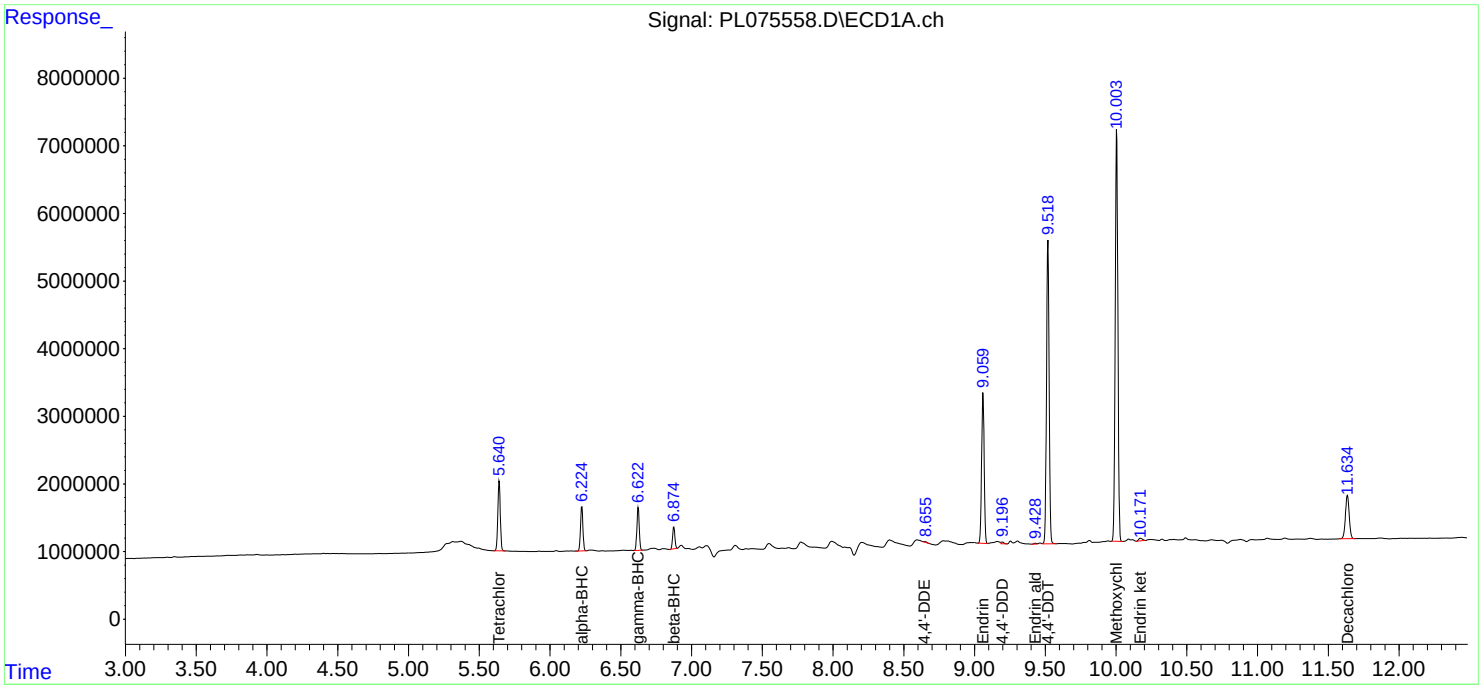
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075558.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 13:52
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

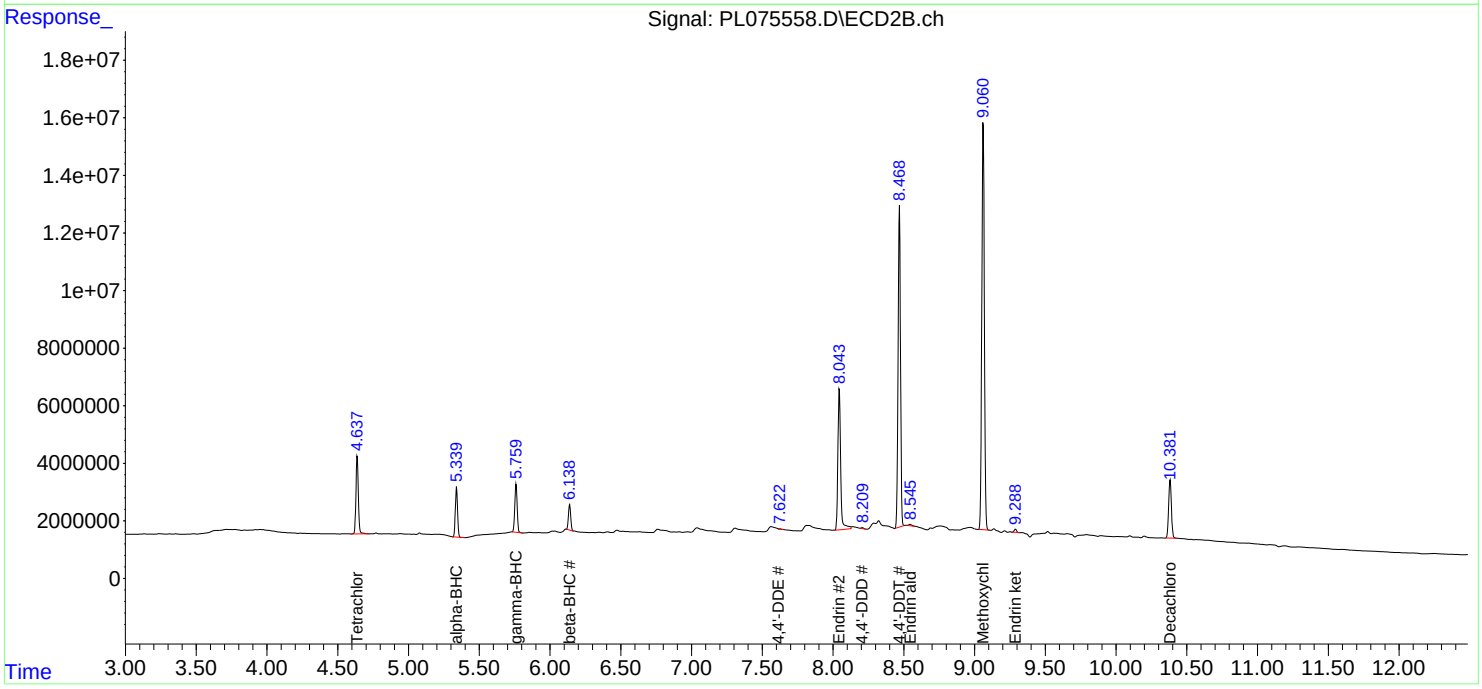
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:49:12 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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





CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075658.D **Date Analyzed:** 06/09/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	11.641	11.540	11.740	25.040	20.000	25.2
Tetrachloro-m-xylene	5.644	5.590	5.690	23.410	20.000	17.1
alpha-BHC	6.228	6.180	6.280	10.730	10.000	7.3
beta-BHC	6.878	6.830	6.930	10.600	10.000	6.0
gamma-BHC (Lindane)	6.626	6.580	6.680	10.990	10.000	9.9
Endrin	9.063	8.990	9.130	60.220	50.000	20.4
4,4'-DDT	9.523	9.450	9.590	104.270	100.000	4.3
Methoxychlor	10.009	9.940	10.080	254.140	250.000	1.7

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075658.D **Date Analyzed:** 06/09/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:06

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	10.385	10.280	10.490	21.530	20.000	7.7
Tetrachloro-m-xylene	4.638	4.590	4.690	21.640	20.000	8.2
alpha-BHC	5.340	5.290	5.390	10.060	10.000	0.6
beta-BHC	6.140	6.090	6.190	11.370	10.000	13.7
gamma-BHC (Lindane)	5.761	5.710	5.810	10.150	10.000	1.5
Endrin	8.046	7.980	8.120	57.290	50.000	14.6
4,4'-DDT	8.471	8.400	8.540	104.360	100.000	4.4
Methoxychlor	9.064	8.990	9.130	227.720	250.000	-8.9

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:44:29 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.644	4.638	15796317	36318304	23.406	21.641
28)	SA Decachlor...	11.641	10.385	15330768	30337921	25.041	21.532
	Target Compounds						
2)	A alpha-BHC	6.228	5.340	10083003	22769134	10.727	10.056
3)	MA gamma-BHC...	6.626	5.761	9649452	22013949	10.994	10.151
6)	B beta-BHC	6.878	6.140	4348970	11163947	10.596	11.374
12)	B 4,4'-DDE	8.661	7.625	129806	464725	0.196	0.291m#
14)	MA Endrin	9.063	8.046	35706342	78317520	60.222	57.287
16)	A 4,4'-DDD	9.203	8.209	1662091	4002308	3.038	3.044
17)	MA 4,4'-DDT	9.523	8.471	66793816	146.7E6	104.271	104.356
18)	B Endrin al...	9.432	8.545	506226	1275809	0.988	1.133
20)	A Methoxychlor	10.009	9.064	90976634	185.5E6	254.144	227.717
21)	B Endrin ke...	10.174	9.292	1938372	3802799	2.756	2.356

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075658.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 10:06
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

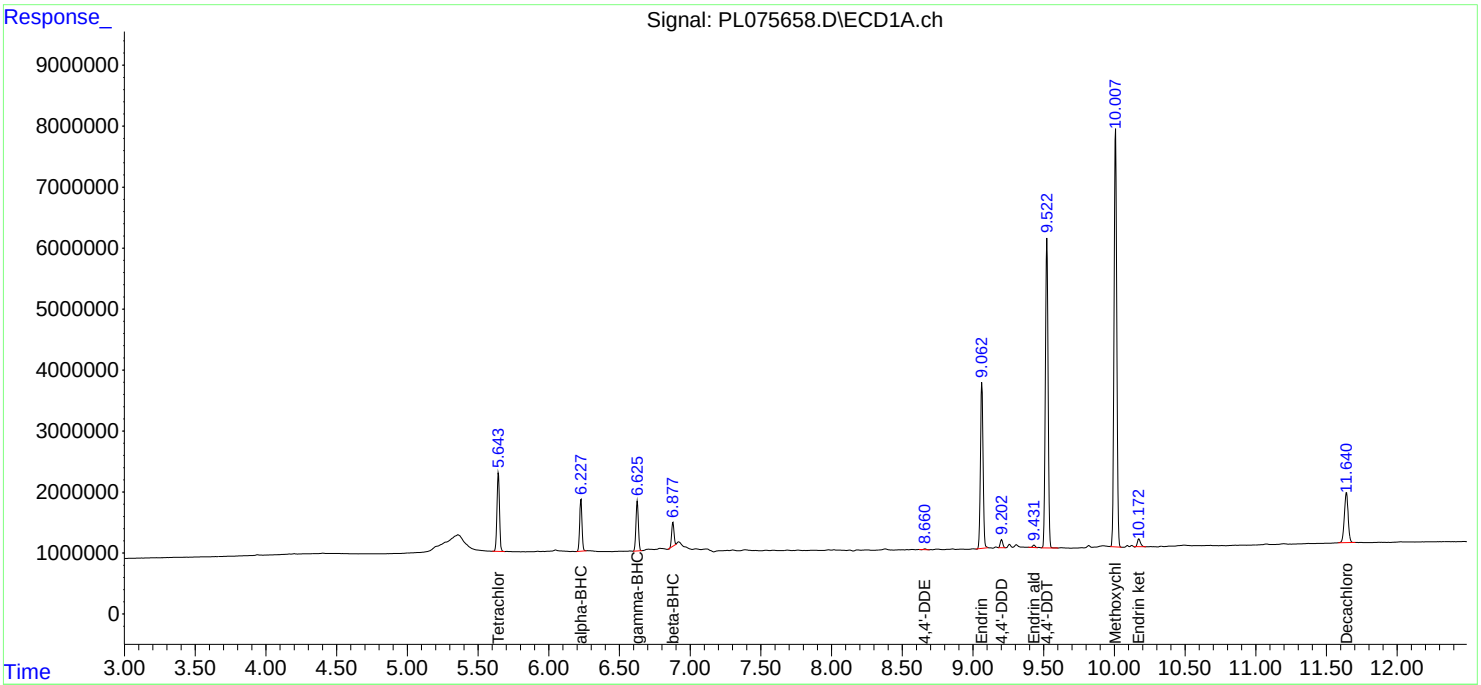
Instrument :
ECD_L
ClientSampleId :
PEM

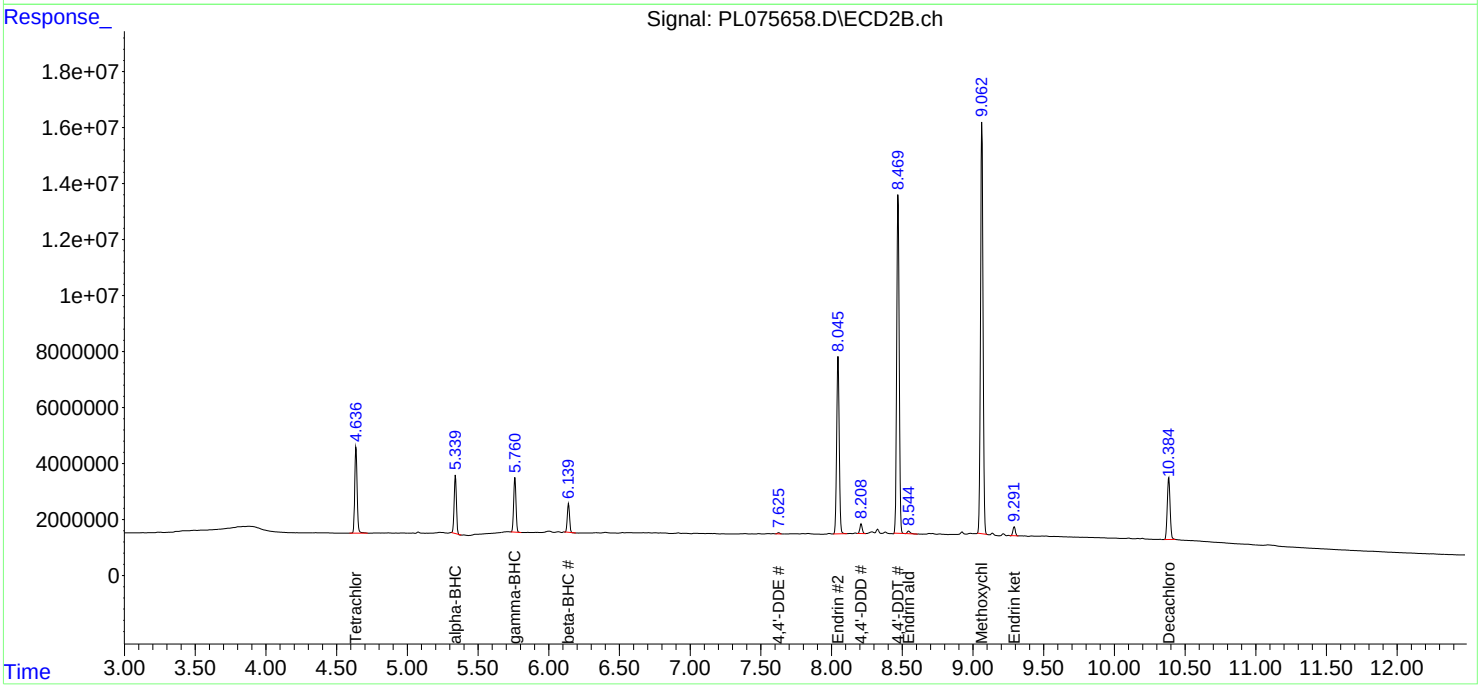
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:44:29 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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





CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075680.D **Date Analyzed:** 06/10/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	11.639	11.540	11.740	25.710	20.000	28.6
Tetrachloro-m-xylene	5.643	5.590	5.690	25.340	20.000	26.7
alpha-BHC	6.227	6.180	6.280	11.970	10.000	19.7
beta-BHC	6.877	6.830	6.930	12.520	10.000	25.2
gamma-BHC (Lindane)	6.626	6.580	6.680	12.290	10.000	22.9
Endrin	9.062	8.990	9.130	62.370	50.000	24.7
4,4'-DDT	9.521	9.450	9.590	108.810	100.000	8.8
Methoxychlor	10.007	9.940	10.080	260.010	250.000	4.0

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 06/06/2022 06/06/2022

Client Sample No. (PEM): PEM - PL075680.D **Date Analyzed:** 06/10/2022

Lab Sample No.(PEM): PEM **Time Analyzed:** 10:15

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Decachlorobiphenyl	10.384	10.280	10.480	20.290	20.000	1.5
Tetrachloro-m-xylene	4.640	4.590	4.690	22.030	20.000	10.2
alpha-BHC	5.341	5.290	5.390	10.390	10.000	3.9
beta-BHC	6.140	6.090	6.190	11.020	10.000	10.2
gamma-BHC (Lindane)	5.761	5.710	5.810	10.530	10.000	5.3
Endrin	8.046	7.980	8.120	59.000	50.000	18.0
4,4'-DDT	8.470	8.400	8.540	105.420	100.000	5.4
Methoxychlor	9.062	8.990	9.130	227.560	250.000	-9.0

PEM

Data File Name PL075680.D

Operator AR\AJ **Date Acquired** 6/10/2022 10:15

DDT BREAKDOWN

COLUMN#1

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT	8.4	69700497.54	71718434.92	2017937.378	**2.81**
4,4'-DDE	7.56	170464.59			
4,4'-DDD	8.14	1847472.788			

COLUMN#2

Name	RT	Response	Response (DDT+DDE+DDD)	Response DDE+DDD	%Break Down
4,4'-DDT #2	9.35	148202386.6	152634713.4	4432326.758	**2.90**
4,4'DDE #2	8.49	452793.064			
4,4'-DDD #2	9.03	3979533.694			

ENDRIN BREAKDOWN

COLUMN#1

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin	9.06	36982666.88	39120511.18	2137844.294	**5.46**
Endrin aldehyde	9.43	471526.644			
Endrin ketone	10.17	1666317.65			

COLUMN#2

Name	RT	Response	Response (E+EA+EK)	Response (EA+EK)	%Break Down
Endrin #2	8.05	80658596.52	84859897.21	4201300.688	**4.95**
Endrin aldehyde #2	8.54	1056841.643			
Endrin ketone #2	9.29	3144459.045			

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075680.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 10:15
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:29:13 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.643	4.640	17104125	36973231	25.344	22.032
28)	SA Decachlor...	11.639	10.384	15738744	28592773	25.708	20.294
	Target Compounds						
2)	A alpha-BHC	6.227	5.341	11248808	23524406	11.967	10.389
3)	MA gamma-BHC...	6.626	5.761	10787650	22842113	12.290	10.533
6)	B beta-BHC	6.877	6.140	5138039	10812055	12.519	11.015
12)	B 4,4'-DDE	8.656	7.625	170465	452793	0.258m	0.283
14)	MA Endrin	9.062	8.046	36982667	80658597	62.375	58.999
16)	A 4,4'-DDD	9.201	8.209	1847473	3979534	3.377	3.026
17)	MA 4,4'-DDT	9.521	8.470	69700498	148.2E6	108.808	105.424
18)	B Endrin al...	9.430	8.544	471527	1056842	0.921	0.938
20)	A Methoxychlor	10.007	9.062	93077801	185.4E6	260.014	227.565
21)	B Endrin ke...	10.171	9.291	1666318	3144459	2.369	1.948

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

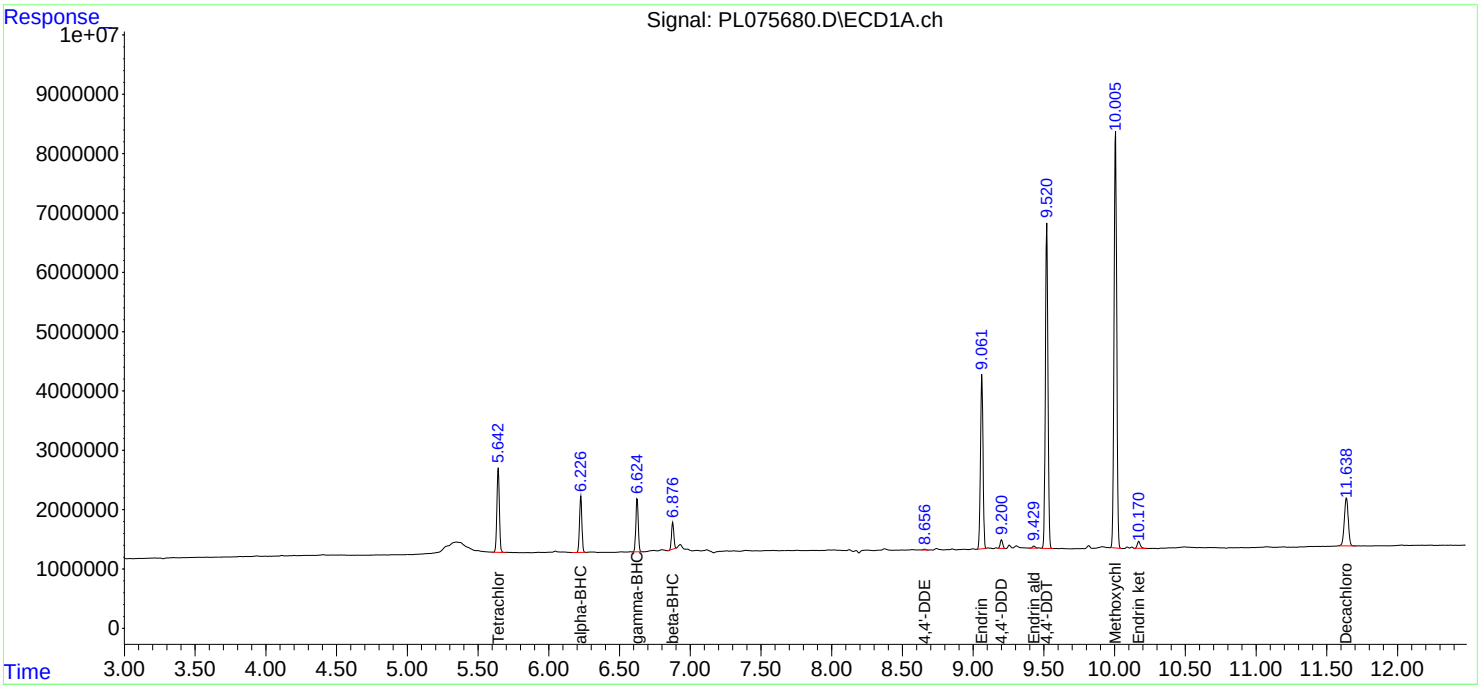
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075680.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 10:15
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

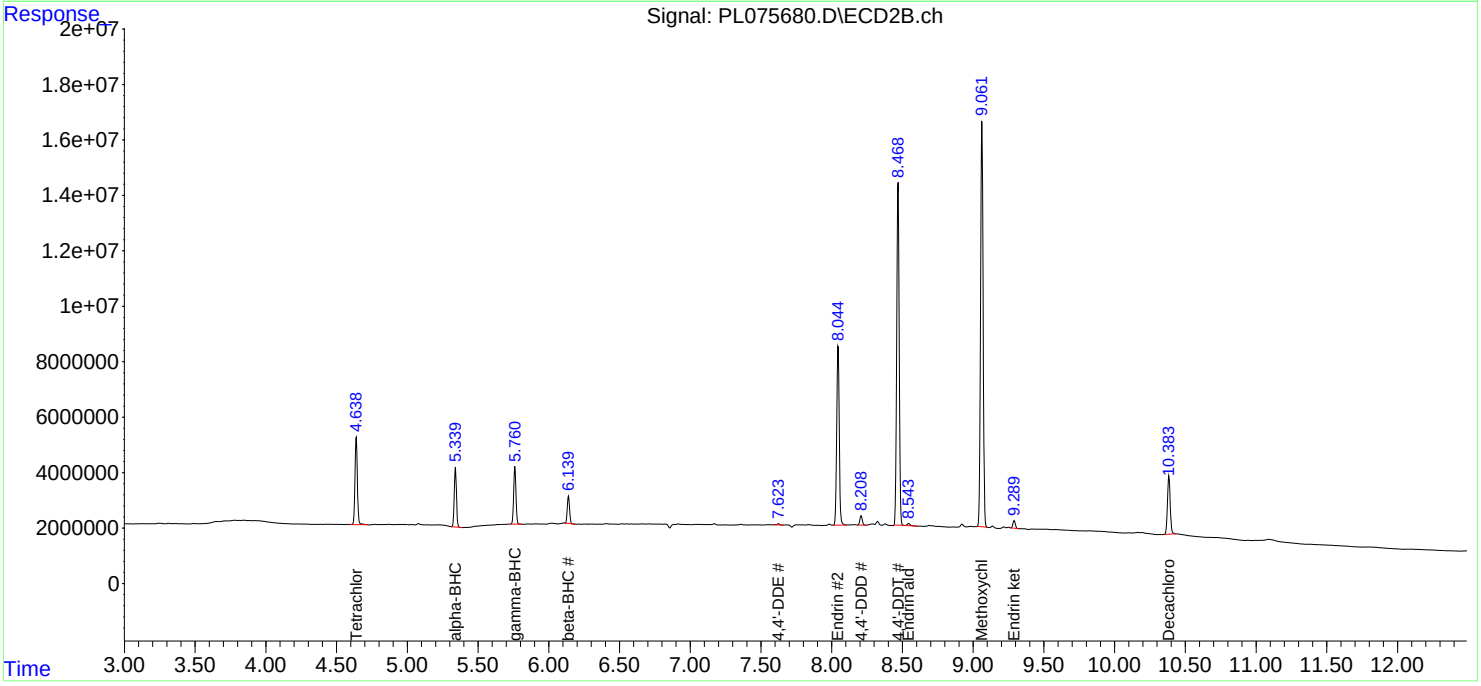
Instrument :
ECD_L
ClientSampleId :
PEM

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:29:13 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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\PL060622\
Data File : PL075559.D
Acq On : 06 Jun 2022 14:09
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\PL060622.M
Title : GC Extractables
Last Update : Tue Jun 07 02:04:29 2022
Integrator: ChemStation

RT#1	RT#2	Resolution
5.641	8.390	100.00%
8.390	8.528	100.00%
8.528	8.658	100.00%
8.658	8.818	100.00%
8.818	9.666	100.00%
9.666	10.004	100.00%
10.004	10.168	100.00%
10.168	11.636	100.00%

Signal #2

4.638	7.343	100.00%
7.343	7.469	100.00%
7.469	7.624	100.00%
7.624	7.754	100.00%
7.754	8.772	100.00%
8.772	9.062	100.00%
9.062	9.290	100.00%
9.290	10.382	100.00%

PL060622.M Tue Jun 07 04:15:21 2022

Quantitation Report (QT Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:09
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:49:29 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.638	15420862	38213930	22.850	22.771
28)	SA Decachlor...	11.636	10.382	13884559	32345810	22.679	22.957
	Target Compounds						
9)	A Endosulfan I	8.526	7.469	7516833	18497080	10.743m	11.059
10)	B gamma-Chl...	8.389	7.343	8392500	20673017	10.807m	11.275
12)	B 4,4'-DDE	8.658	7.624	14284285	34673373	21.583	21.687
13)	MA Dieldrin	8.818	7.754	16032889	37446223	22.193	22.124
19)	B Endosulfa...	9.666	8.772	13009465	30085256	20.769	20.483
20)	A Methoxychlor	10.004	9.062	37512423	85223688	104.791	104.614
21)	B Endrin ke...	10.168	9.290	15440765	34841810	21.957	21.584

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

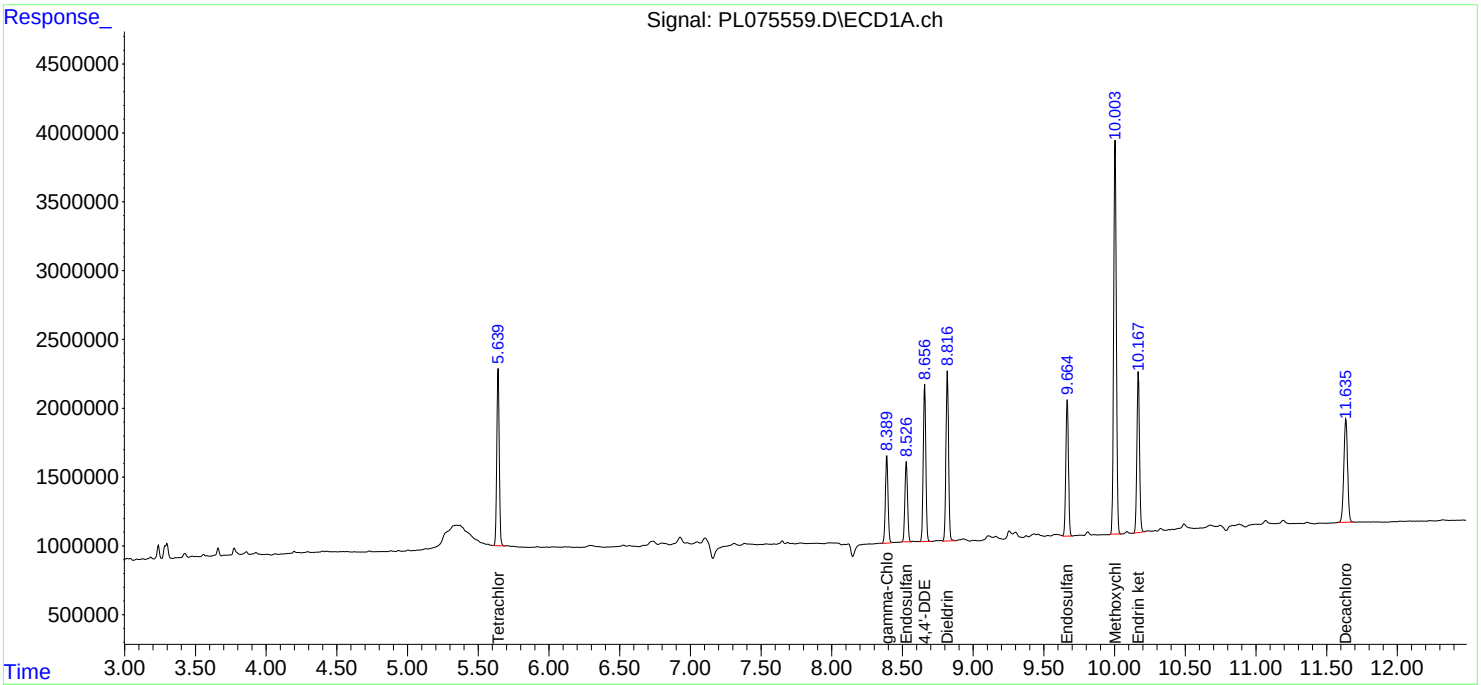
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075559.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 14:09
Operator : AR\AJ
Sample : RESCHK
Misc :
ALS Vial : 4 Sample Multiplier: 1

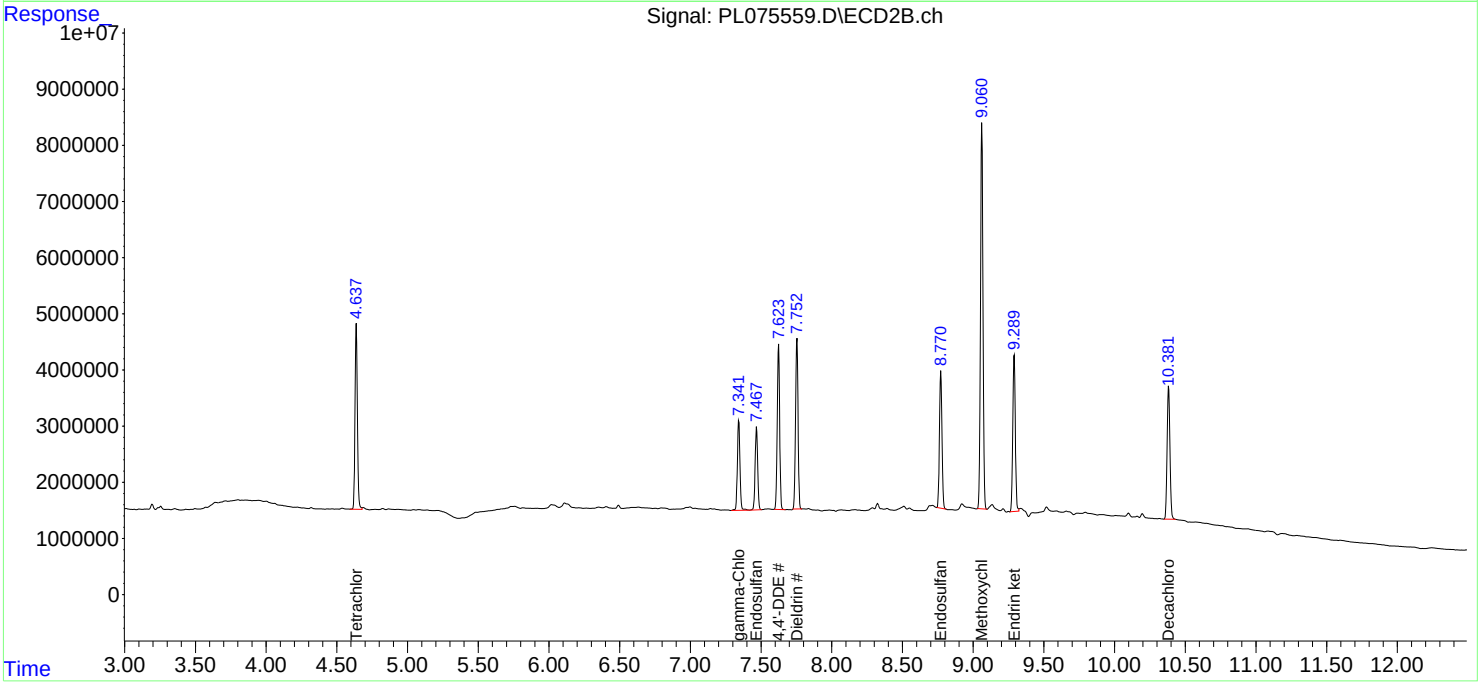
Instrument :
ECD_L
ClientSampleId :
RESCHK

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/07/2022
Supervised By :Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:49:29 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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





CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Analytical Sequence

Client: Inframark **SDG No.:** N3259

Project: Fresh Kills Landfill Leachate Treatment Plar **Instrument ID:** ECD_L

GC Column: ZB-MR2 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/06/2022 06/06/2022

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	06/06/2022	13:36	PL075557.D	11.64	5.64
PEM	PEM	06/06/2022	13:52	PL075558.D	11.64	5.64
RESCHK	RESCHK	06/06/2022	14:09	PL075559.D	11.64	5.64
PSTDICC100	PSTDICC100	06/06/2022	14:25	PL075560.D	11.64	5.64
PSTDICC075	PSTDICC075	06/06/2022	14:42	PL075561.D	11.64	5.64
PSTDICC050	PSTDICC050	06/06/2022	14:58	PL075562.D	11.64	5.64
PSTDICC025	PSTDICC025	06/06/2022	15:15	PL075563.D	11.64	5.64
PSTDICC005	PSTDICC005	06/06/2022	15:31	PL075564.D	11.64	5.64
PCHLORICC500	PCHLORICC500	06/06/2022	16:21	PL075567.D	11.64	5.64
PTOXICC500	PTOXICC500	06/06/2022	17:43	PL075572.D	11.64	5.64
PEM	PEM	06/09/2022	10:06	PL075658.D	11.64	5.64
I.BLK	I.BLK	06/09/2022	15:03	PL075669.D	11.64	5.64
PSTDCCC050	PSTDCCC050	06/09/2022	16:09	PL075670.D	11.64	5.64
BI-WEEKLY-INFLUENT	N3259-01	06/09/2022	16:27	PL075671.D	11.65	5.64
PB145434BL	PB145434BL	06/09/2022	17:33	PL075675.D	11.64	5.64
I.BLK	I.BLK	06/09/2022	17:50	PL075676.D	11.64	5.64
PSTDCCC050	PSTDCCC050	06/09/2022	18:06	PL075677.D	11.64	5.64
I.BLK	I.BLK	06/10/2022	09:59	PL075679.D	11.65	5.65
PEM	PEM	06/10/2022	10:15	PL075680.D	11.64	5.64
PSTDCCC050	PSTDCCC050	06/10/2022	13:42	PL075681.D	11.64	5.64
BI-WEEKLY-INFLUENTRE	N3259-01RE	06/10/2022	15:15	PL075684.D	11.64	5.64
PB145434BS	PB145434BS	06/10/2022	17:28	PL075686.D	11.64	5.65
PB145434BSD	PB145434BSD	06/10/2022	17:45	PL075687.D	11.64	5.64
I.BLK	I.BLK	06/10/2022	19:24	PL075693.D	11.64	5.64
PSTDCCC050	PSTDCCC050	06/10/2022	19:57	PL075695.D	11.64	5.64

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Analytical Sequence

Client: Inframark **SDG No.:** N3259

Project: Fresh Kills Landfill Leachate Treatment Plar **Instrument ID:** ECD_L

GC Column: ZB-MR1 **ID:** 0.32 (mm) **Inst. Calib. Date(s):** 06/06/2022 06/06/2022

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	06/06/2022	13:36	PL075557.D	10.38	4.64
PEM	PEM	06/06/2022	13:52	PL075558.D	10.38	4.64
RESCHK	RESCHK	06/06/2022	14:09	PL075559.D	10.38	4.64
PSTDICC100	PSTDICC100	06/06/2022	14:25	PL075560.D	10.38	4.64
PSTDICC075	PSTDICC075	06/06/2022	14:42	PL075561.D	10.38	4.64
PSTDICC050	PSTDICC050	06/06/2022	14:58	PL075562.D	10.38	4.64
PSTDICC025	PSTDICC025	06/06/2022	15:15	PL075563.D	10.38	4.64
PSTDICC005	PSTDICC005	06/06/2022	15:31	PL075564.D	10.38	4.64
PCHLORICC500	PCHLORICC500	06/06/2022	16:21	PL075567.D	10.38	4.64
PTOXICC500	PTOXICC500	06/06/2022	17:43	PL075572.D	10.38	4.64
PEM	PEM	06/09/2022	10:06	PL075658.D	10.39	4.64
I.BLK	I.BLK	06/09/2022	15:03	PL075669.D	10.38	4.64
PSTDCCC050	PSTDCCC050	06/09/2022	16:09	PL075670.D	10.38	4.64
BI-WEEKLY-INFLUENT	N3259-01	06/09/2022	16:27	PL075671.D	10.38	4.64
PB145434BL	PB145434BL	06/09/2022	17:33	PL075675.D	10.38	4.64
I.BLK	I.BLK	06/09/2022	17:50	PL075676.D	10.38	4.64
PSTDCCC050	PSTDCCC050	06/09/2022	18:06	PL075677.D	10.38	4.64
I.BLK	I.BLK	06/10/2022	09:59	PL075679.D	10.39	4.64
PEM	PEM	06/10/2022	10:15	PL075680.D	10.38	4.64
PSTDCCC050	PSTDCCC050	06/10/2022	13:42	PL075681.D	10.38	4.64
BI-WEEKLY-INFLUENTRE	N3259-01RE	06/10/2022	15:15	PL075684.D	10.38	4.64
PB145434BS	PB145434BS	06/10/2022	17:28	PL075686.D	10.39	4.64
PB145434BSD	PB145434BSD	06/10/2022	17:45	PL075687.D	10.38	4.64
I.BLK	I.BLK	06/10/2022	19:24	PL075693.D	10.38	4.64
PSTDCCC050	PSTDCCC050	06/10/2022	19:57	PL075695.D	10.38	4.64

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BI-WEEKLY-INFLUENT

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Lab Sample ID: N3259-01 **Date(s) Analyzed:** 06/09/2022 06/09/2022

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	9.20	9.15	9.25	0.0071	8.1
	2	8.21	8.16	8.26	0.0077	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

BI-WEEKLY-INFLUENTRE

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Lab Sample ID: N3259-01RE **Date(s) Analyzed:** 06/10/2022 06/10/2022

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	9.20	9.15	9.25	0.0091	19.3
	2	8.21	8.16	8.26	0.0075	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB145434BS

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Lab Sample ID: PB145434BS **Date(s) Analyzed:** 06/10/2022 06/10/2022

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	6.23	6.18	6.28	0.010	13.6
	2	5.34	5.29	5.39	0.0089	
Heptachlor	1	7.28	7.23	7.33	0.011	9.9
	2	6.17	6.12	6.22	0.0096	
beta-BHC	1	6.88	6.83	6.93	0.011	15.7
	2	6.14	6.09	6.19	0.0094	
delta-BHC	1	7.15	7.10	7.20	0.0064	11.6
	2	6.40	6.35	6.45	0.0057	
4,4'-DDE	1	8.66	8.61	8.71	0.010	7
	2	7.63	7.58	7.68	0.0096	
Endrin	1	9.06	9.01	9.11	0.0096	30.1
	2	8.05	8.00	8.10	0.013	
4,4'-DDD	1	9.20	9.15	9.25	0.011	9
	2	8.21	8.16	8.26	0.0096	
4,4'-DDT	1	9.53	9.48	9.58	0.011	18.2
	2	8.47	8.42	8.52	0.0090	

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COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

PB145434BSD

Contract: INFR01

Lab Code: CHEM **Case No.:** N3259 **SAS No.:** N3259 **SDG NO.:** N3259

Lab Sample ID: PB145434BSD **Date(s) Analyzed:** 06/10/2022 06/10/2022

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	6.23	6.18	6.28	0.010	2
	2	5.34	5.29	5.39	0.0099	
beta-BHC	1	6.88	6.83	6.93	0.010	9
	2	6.14	6.09	6.19	0.0095	
4,4'-DDE	1	8.66	8.61	8.71	0.011	10.6
	2	7.62	7.57	7.67	0.0098	
4,4'-DDD	1	9.20	9.15	9.25	0.011	9.8
	2	8.21	8.16	8.26	0.0097	
4,4'-DDT	1	9.52	9.47	9.57	0.0084	1.2
	2	8.47	8.42	8.52	0.0085	
Heptachlor	1	7.28	7.23	7.33	0.011	7.9
	2	6.17	6.12	6.22	0.0097	
delta-BHC	1	7.15	7.10	7.20	0.0048	15.7
	2	6.40	6.35	6.45	0.0041	
Endrin	1	9.06	9.01	9.11	0.011	0.9
	2	8.04	7.99	8.09	0.011	

CHEMTECH

QC SAMPLE DATA

Raw Data: **PL075675.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	
Client Sample ID:	PB145434BL	SDG No.:	N3259
Lab Sample ID:	PB145434BL	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075675.D	1	06/09/22 08:50	06/09/22 17:33	PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0050	U	0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0050	U	0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0050	U	0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0050	U	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0050	U	0.00050	0.0050	ug/L
72-20-8	Endrin	0.0050	U	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0050	U	0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0050	U	0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.9		60 - 140	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.9		60 - 140	90%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075675.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075675.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 17:33
Operator : AR\AJ
Sample : PB145434BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB145434BL

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:51:01 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.636	13922013	31693056	20.629	18.885
28)	SA Decachlor...	11.637	10.383	14079859	25289349	22.998m	17.949
	Target Compounds						

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

Sample Results: **PL075675.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075675.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 17:33
Operator : AR\AJ
Sample : PB145434BL
Misc :
ALS Vial : 18 Sample Multiplier: 1

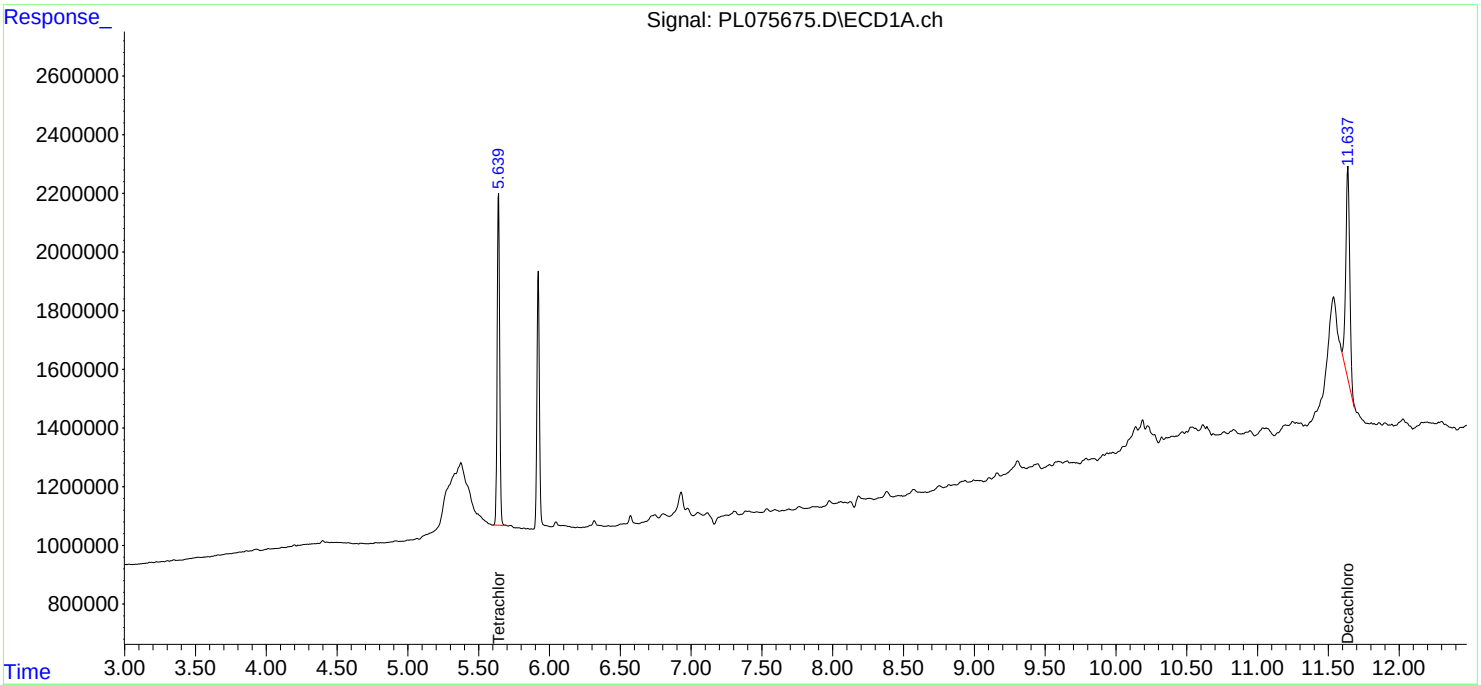
Instrument :
ECD_L
ClientSampleId :
PB145434BL

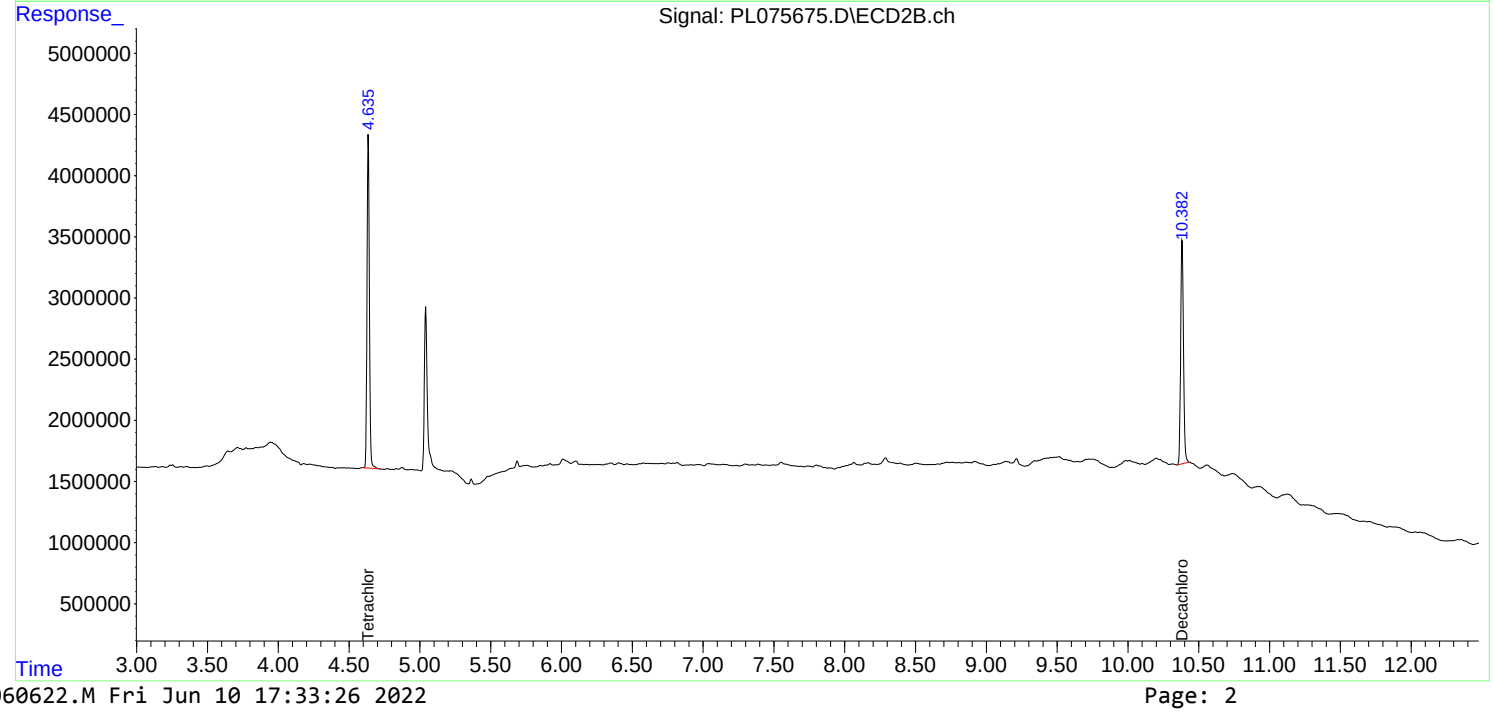
Manual Integrations APPROVED

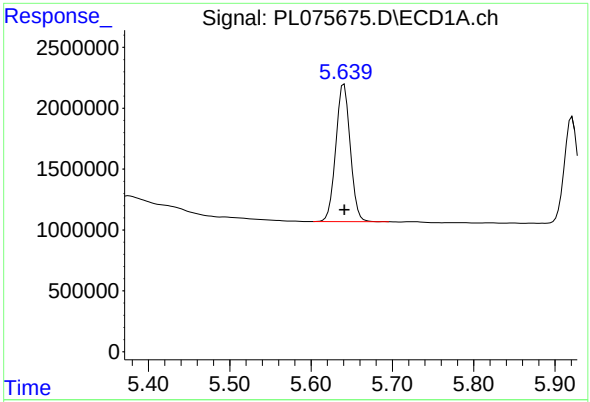
Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:51:01 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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







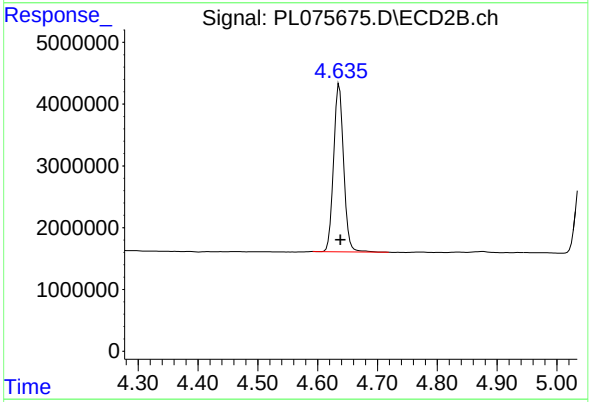
#1 Tetrachloro-m-xylene

R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 13922013
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB145434BL

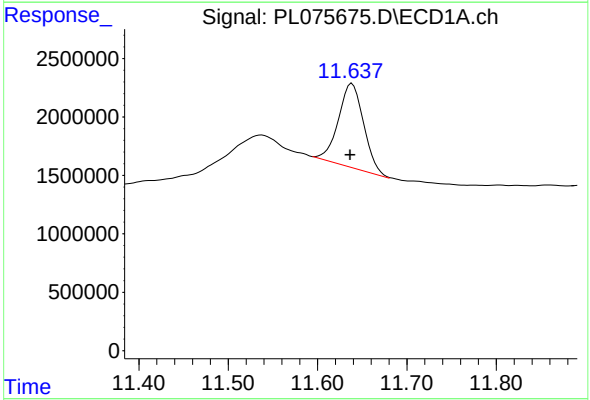
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/10/2022
Supervised By :Ankita Jodhani 06/10/2022



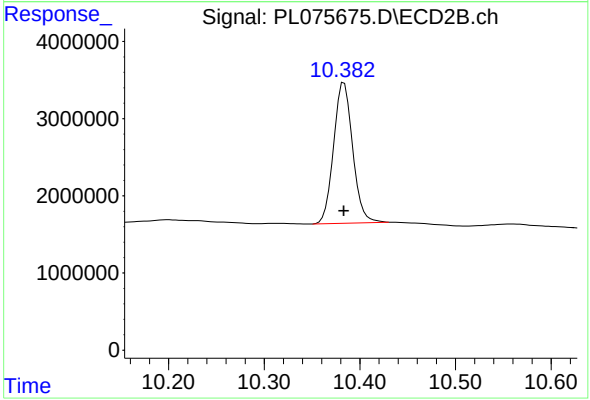
#1 Tetrachloro-m-xylene

R.T.: 4.636 min
Delta R.T.: -0.002 min
Response: 31693056
Conc: 18.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.637 min
Delta R.T.: 0.001 min
Response: 14079859
Conc: 23.00 ng/ml m



#28 Decachlorobiphenyl

R.T.: 10.383 min
Delta R.T.: 0.000 min
Response: 25289349
Conc: 17.95 ng/ml

Raw Data: **PL075557.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	06/06/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/06/22
Client Sample ID:	PIBLK-PL075557.D	SDG No.:	N3259
Lab Sample ID:	I.BLK-PL075557.D	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075557.D	1		06/06/22	PL060622

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0057	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0080	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.013	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0060	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0048	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0048	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0048	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.7		27 - 155	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	18.7		60 - 145	94%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075557.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 13:36
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: Jun 07 02:48:52 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.638	12263680	31397023	18.171	18.709
28)	SA Decachlor...	11.636	10.383	12082866	27585511	19.736	19.579
	Target Compounds						

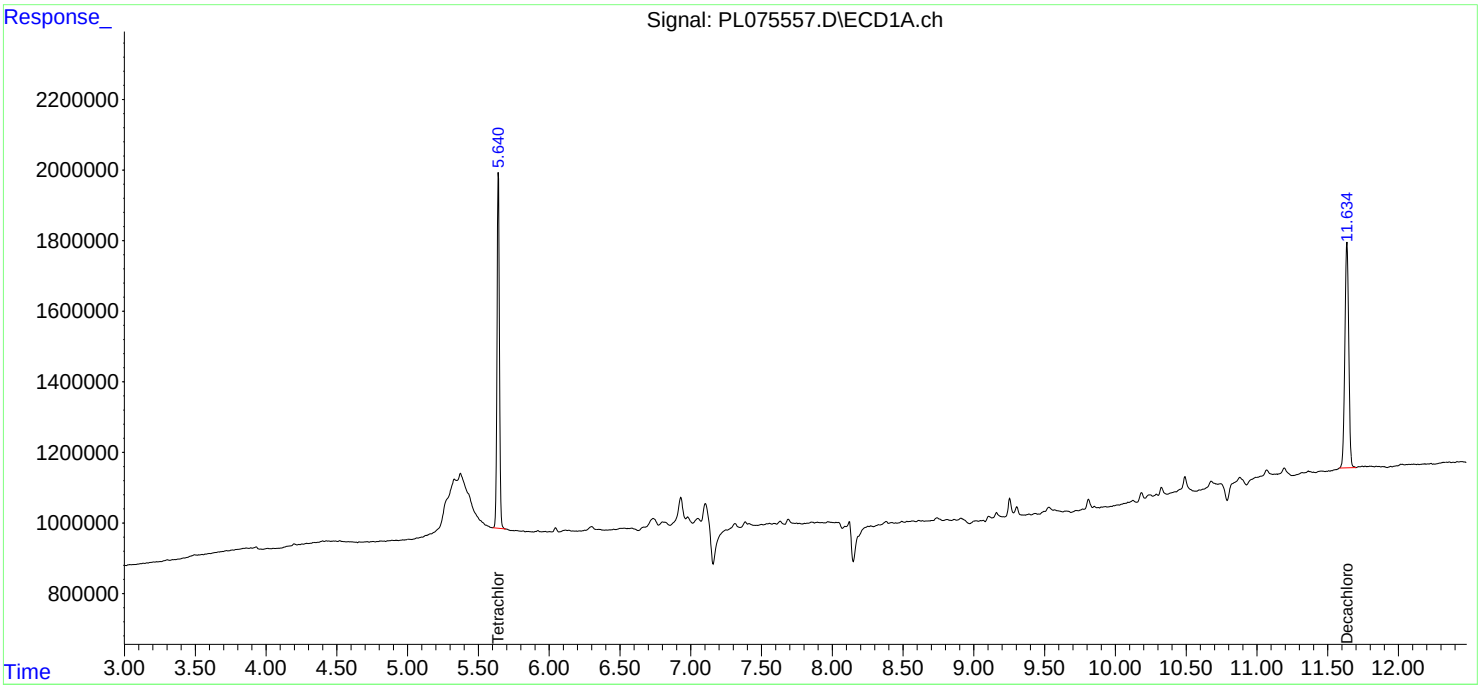
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

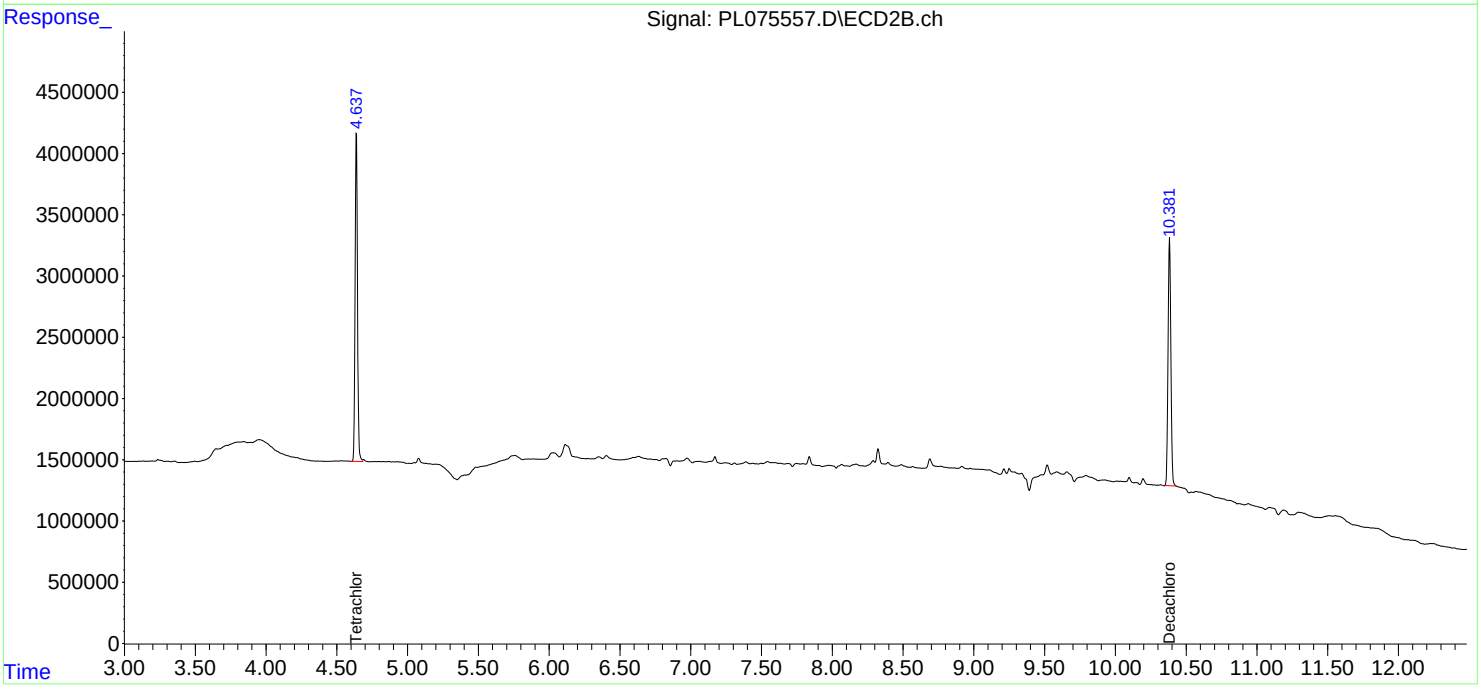
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060622\
Data File : PL075557.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Jun 2022 13:36
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

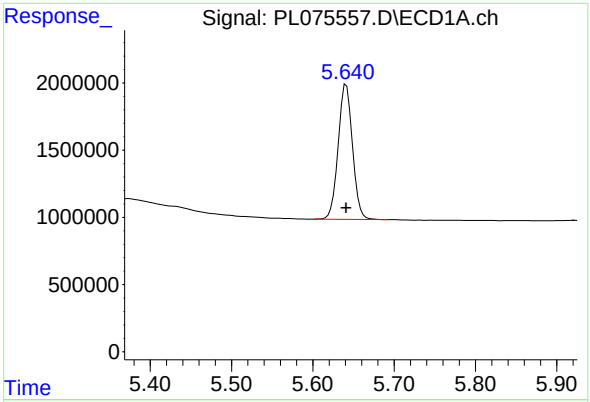
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 07 02:48:52 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



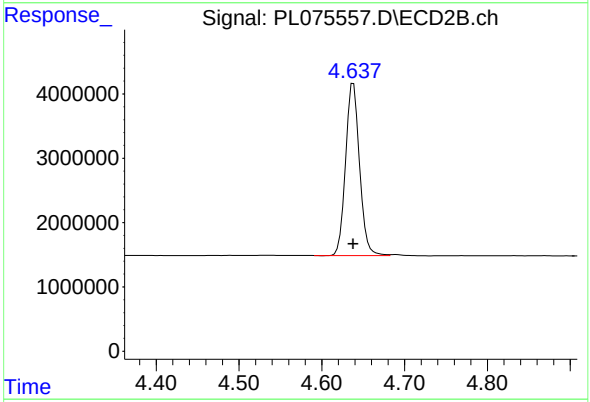




#1 Tetrachloro-m-xylene

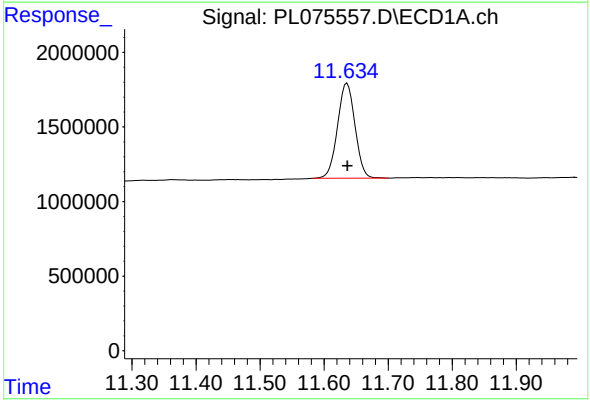
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 12263680
Conc: 18.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



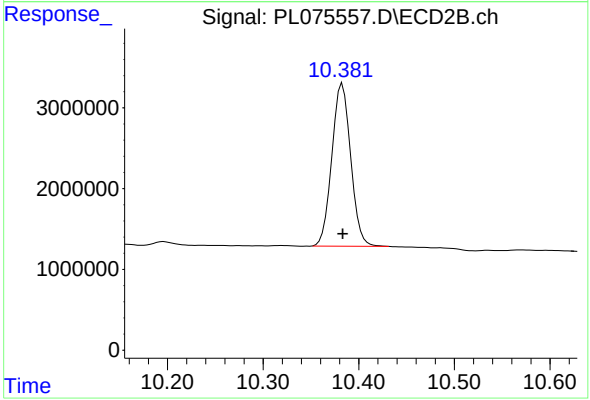
#1 Tetrachloro-m-xylene

R.T.: 4.638 min
Delta R.T.: 0.000 min
Response: 31397023
Conc: 18.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 12082866
Conc: 19.74 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.383 min
Delta R.T.: 0.000 min
Response: 27585511
Conc: 19.58 ng/ml

Raw Data: **PL075669.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	06/09/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/09/22
Client Sample ID:	PIBLK-PL075669.D	SDG No.:	N3259
Lab Sample ID:	I.BLK-PL075669.D	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075669.D	1		06/09/22	pl060922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0057	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0080	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.013	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0060	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0048	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0048	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0048	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	20.3		27 - 155	102%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.2		60 - 145	101%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075669.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 15:03
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: Jun 09 23:48:54 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.636	13625359	30773694	20.189	18.337
28)	SA Decachlor...	11.639	10.383	12442957	22673598	20.324	16.093
	Target Compounds						

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

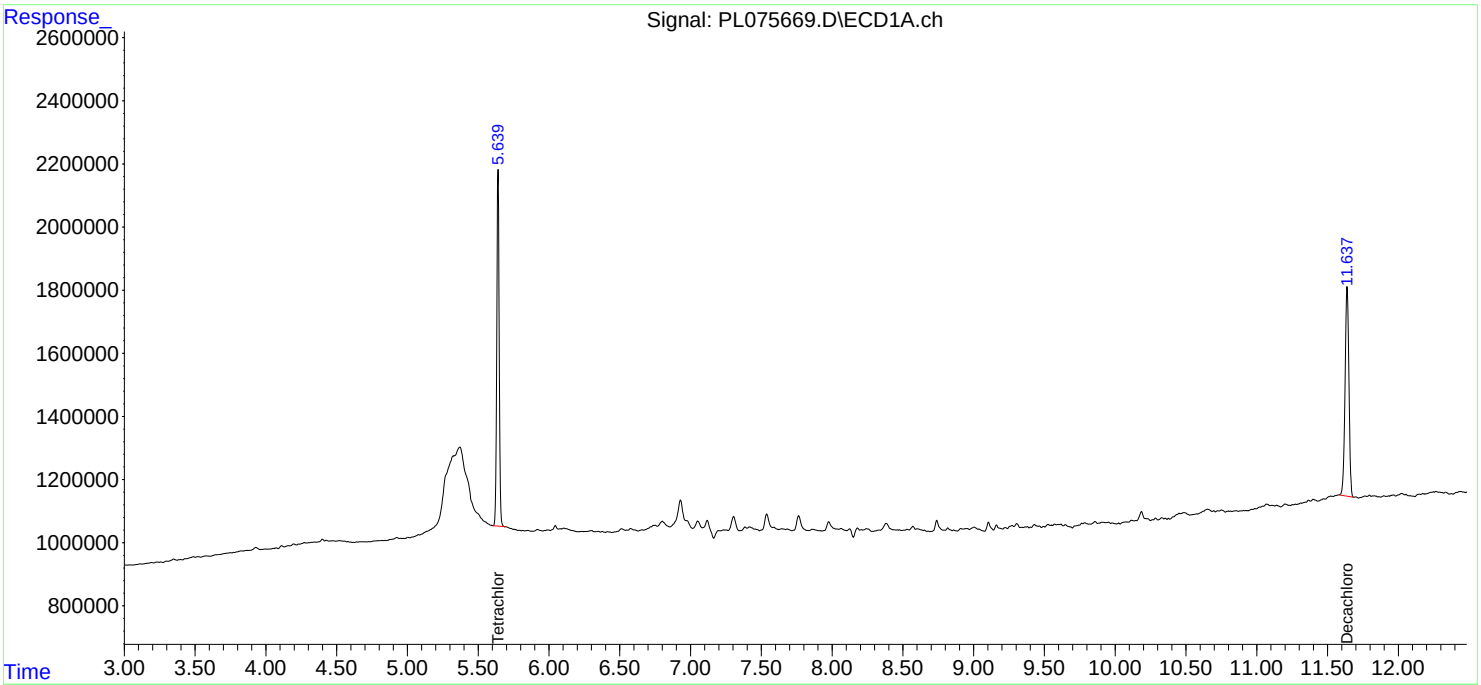
Sample Results: **PL075669.D**

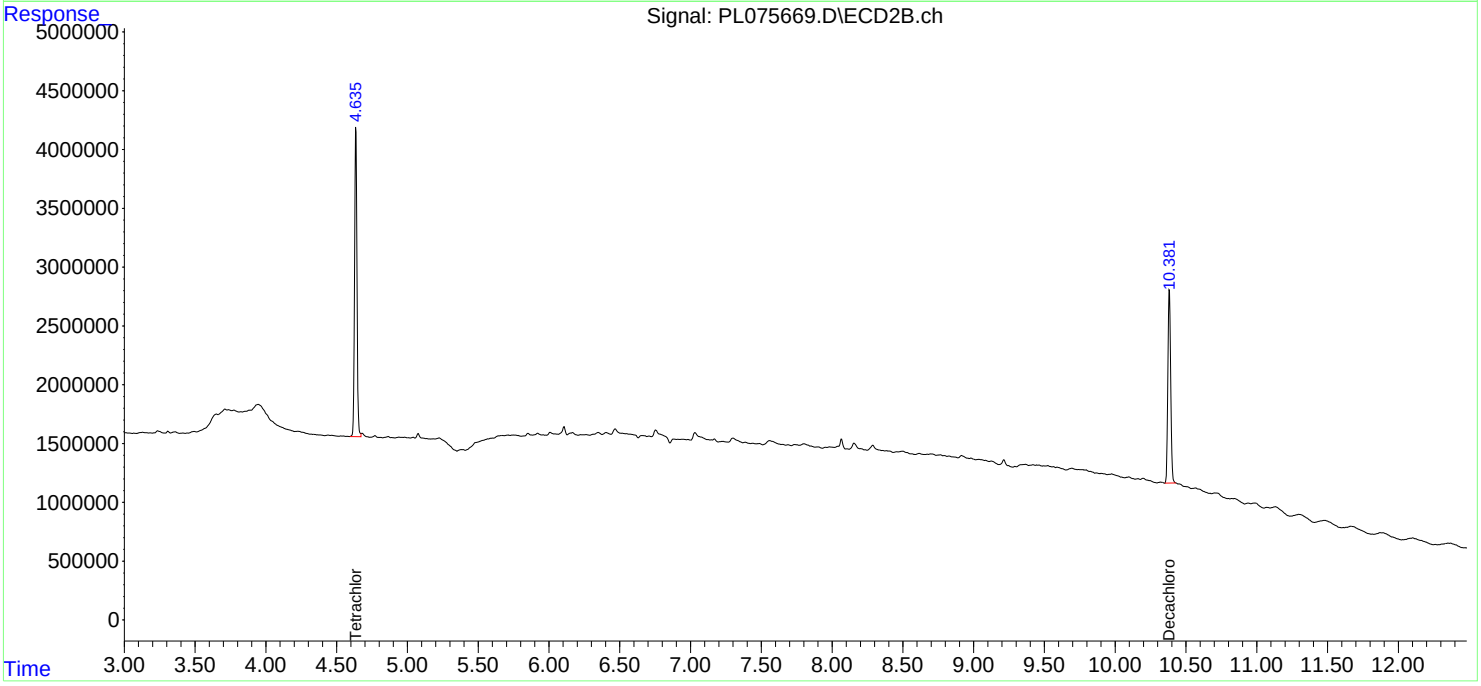
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075669.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 15:03
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

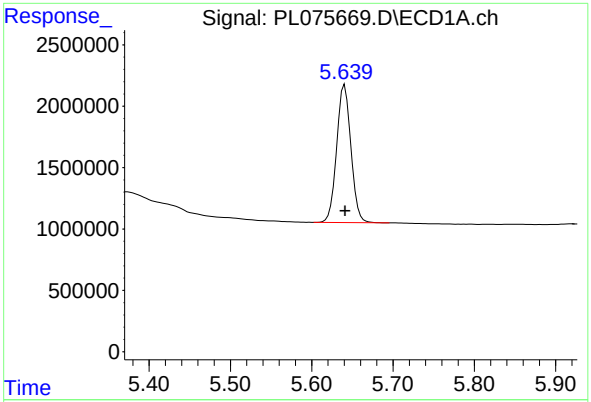
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:48:54 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



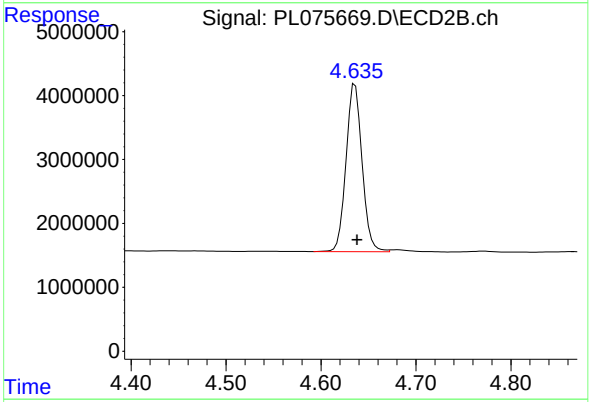




#1 Tetrachloro-m-xylene

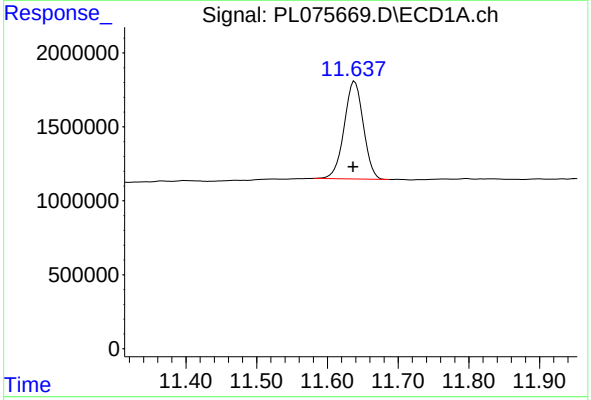
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 13625359
Conc: 20.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



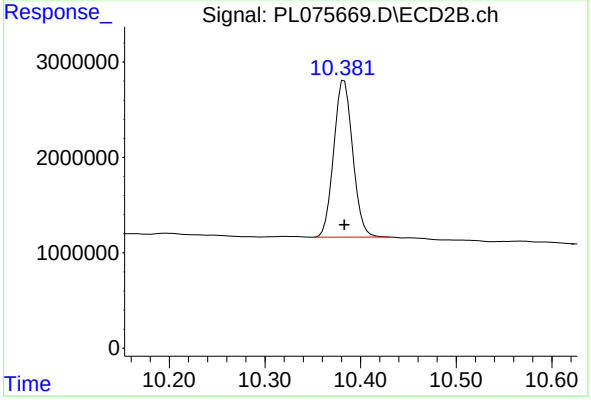
#1 Tetrachloro-m-xylene

R.T.: 4.636 min
Delta R.T.: -0.002 min
Response: 30773694
Conc: 18.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.639 min
Delta R.T.: 0.002 min
Response: 12442957
Conc: 20.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.383 min
Delta R.T.: 0.000 min
Response: 22673598
Conc: 16.09 ng/ml

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	06/09/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/09/22
Client Sample ID:	PIBLK-PL075676.D	SDG No.:	N3259
Lab Sample ID:	I.BLK-PL075676.D	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075676.D	1		06/09/22	pl060922

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0057	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0080	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.013	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0060	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0048	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0048	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0048	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.9		27 - 155	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.3		60 - 145	102%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075676.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075676.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 17:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:51:15 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.636	13716406	31399313	20.324	18.710
28)	SA Decachlor...	11.639	10.383	12156031	24551491	19.856	17.425
	Target Compounds						

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

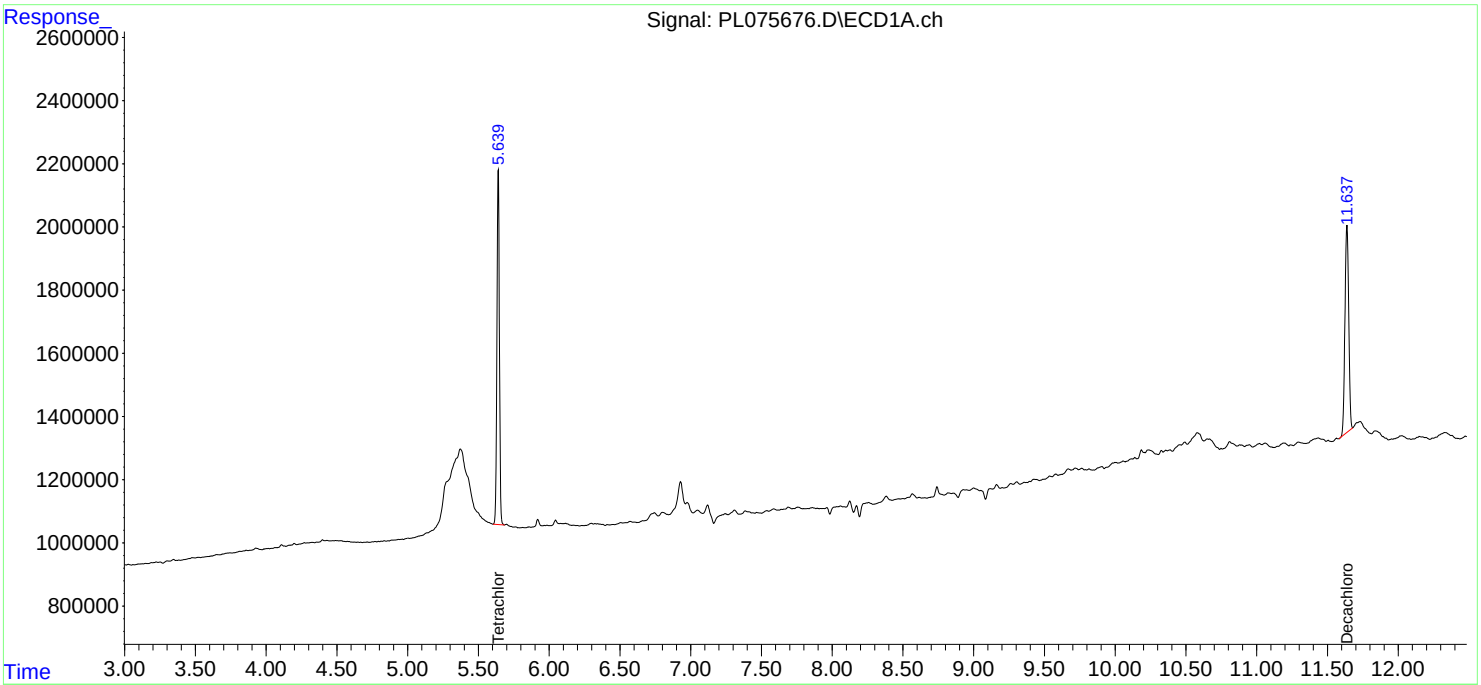
Sample Results: **PL075676.D**

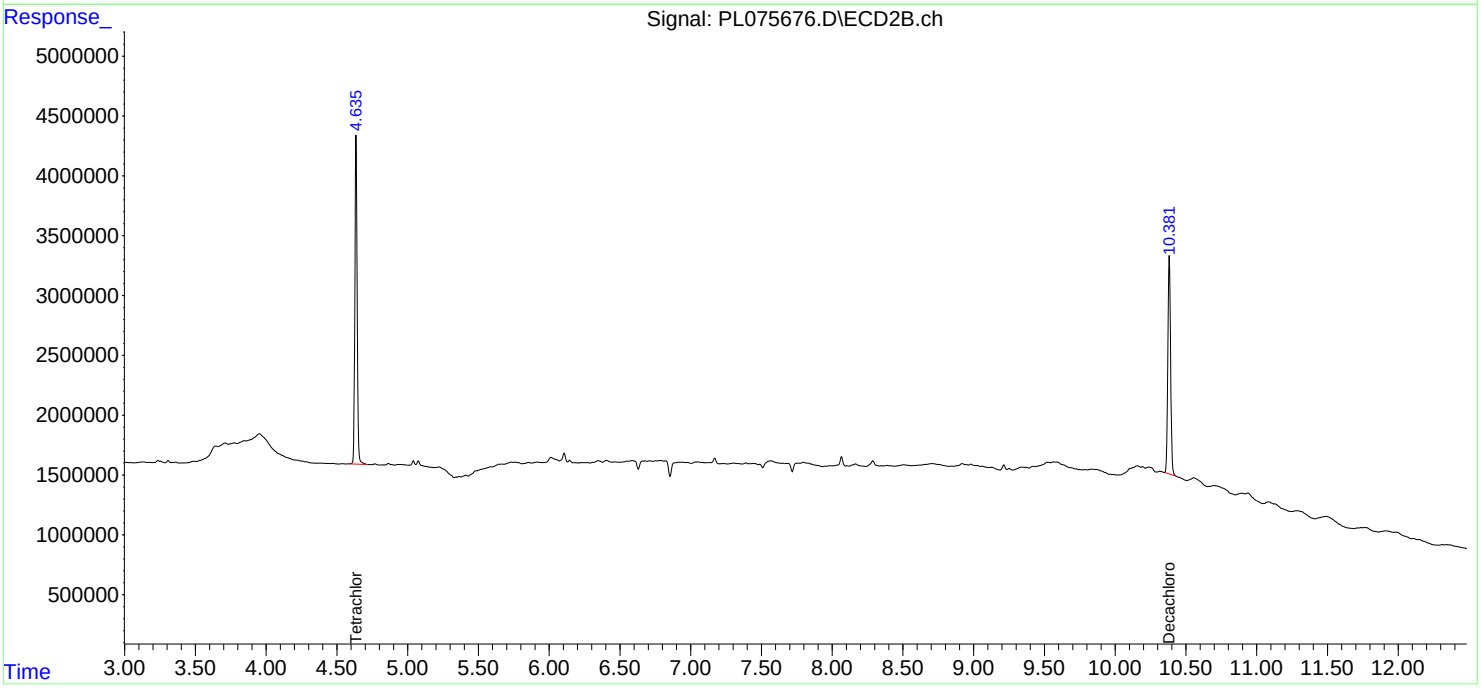
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060922\
Data File : PL075676.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jun 2022 17:50
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

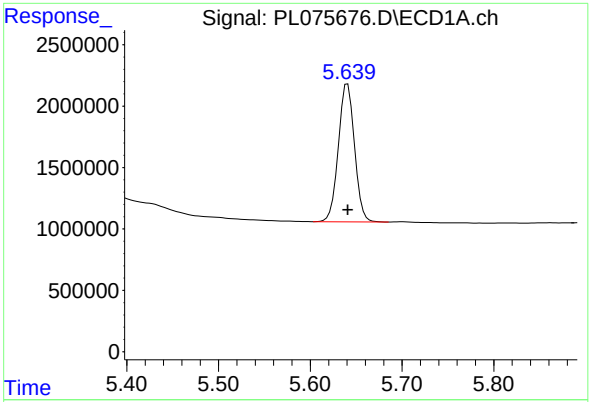
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 09 23:51:15 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



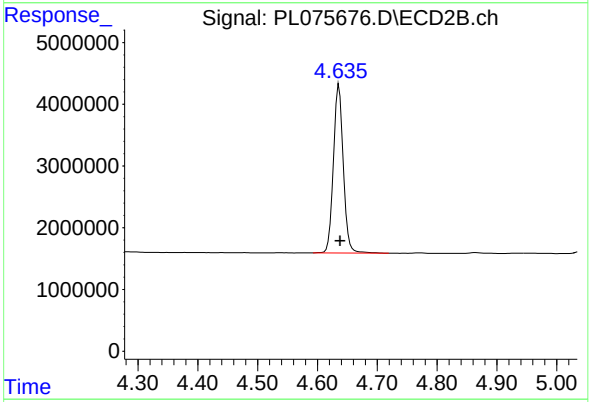




#1 Tetrachloro-m-xylene

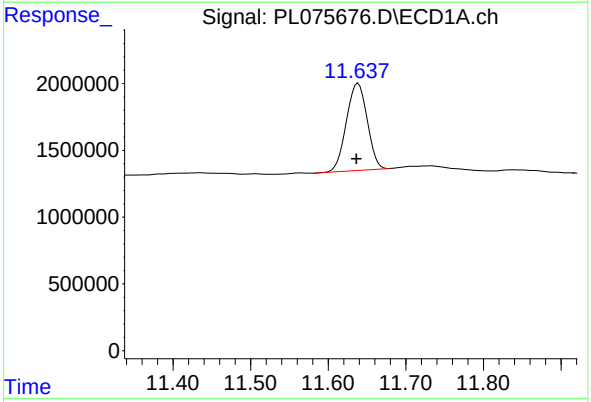
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 13716406
Conc: 20.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



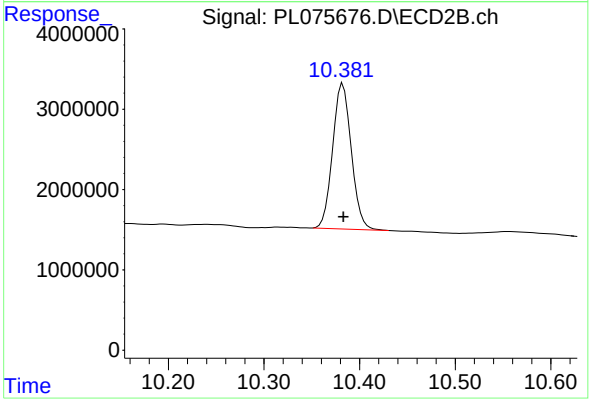
#1 Tetrachloro-m-xylene

R.T.: 4.636 min
Delta R.T.: -0.002 min
Response: 31399313
Conc: 18.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.639 min
Delta R.T.: 0.002 min
Response: 12156031
Conc: 19.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.383 min
Delta R.T.: 0.000 min
Response: 24551491
Conc: 17.43 ng/ml

Raw Data: **PL075679.D**

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Report of Analysis

Client:	Inframark	Date Collected:	06/10/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/10/22
Client Sample ID:	PIBLK-PL075679.D	SDG No.:	N3259
Lab Sample ID:	I.BLK-PL075679.D	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075679.D	1		06/10/22	pl061022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0057	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0080	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.013	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0060	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0048	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0048	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0048	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	21.2		27 - 155	106%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.6		60 - 145	103%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075679.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075679.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 09:59
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: Jun 11 02:29:02 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.650	4.641	13871682	29601986	20.554	17.639
28)	SA Decachlor...	11.645	10.387	12961307	23675638	21.171	16.804
	Target Compounds						

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

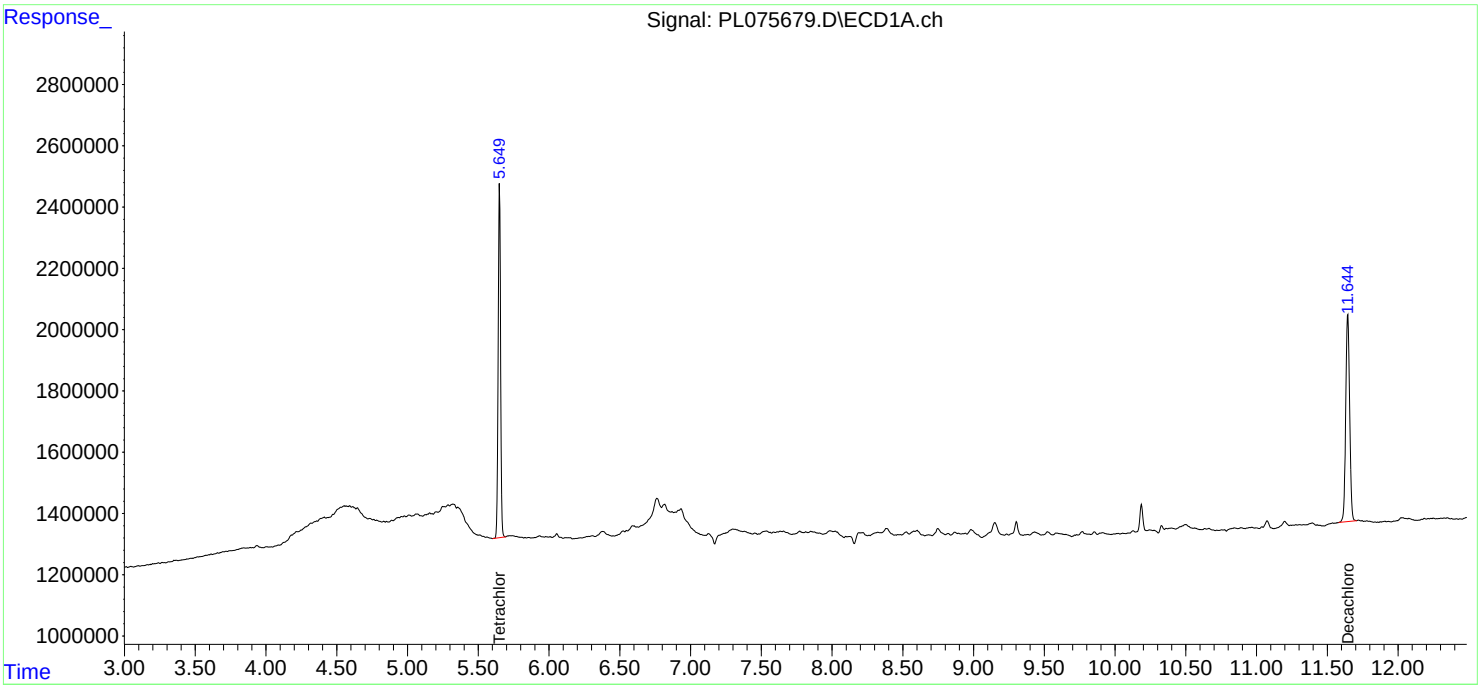
Sample Results: **PL075679.D**

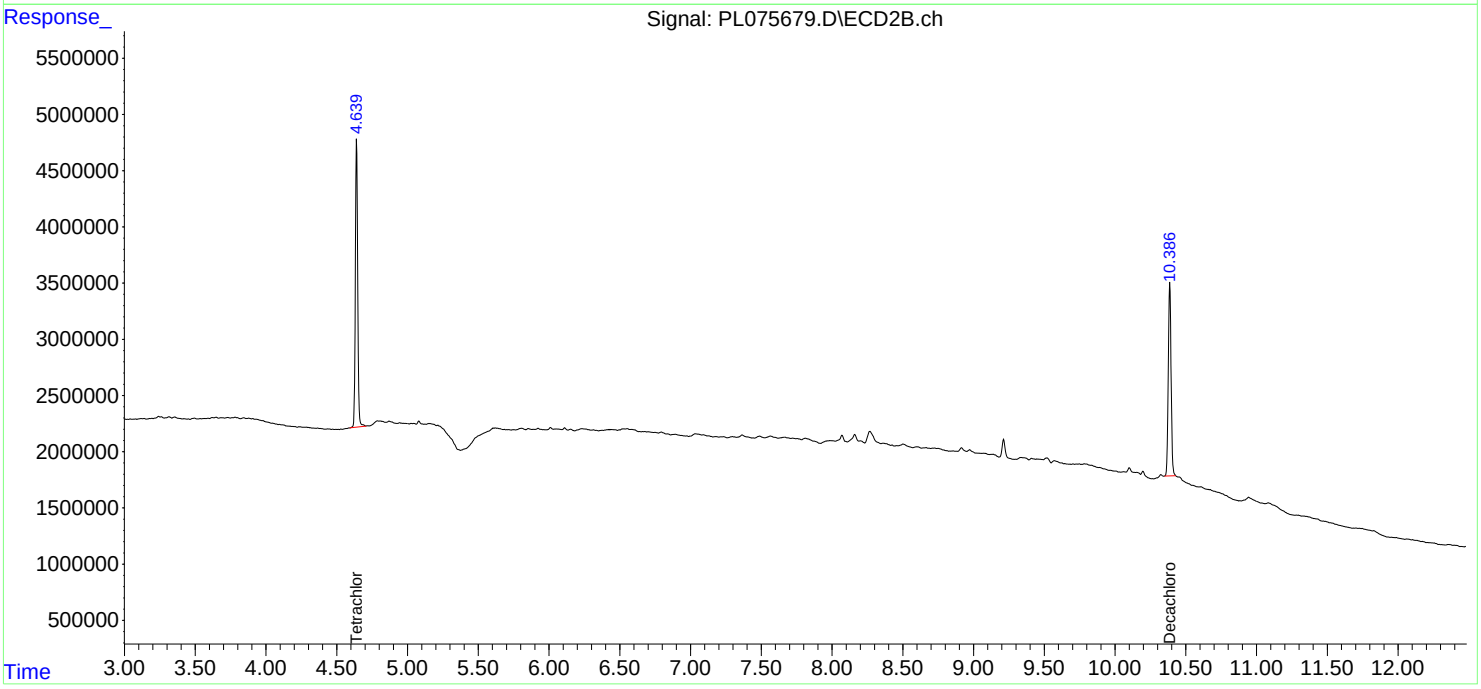
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075679.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 09:59
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

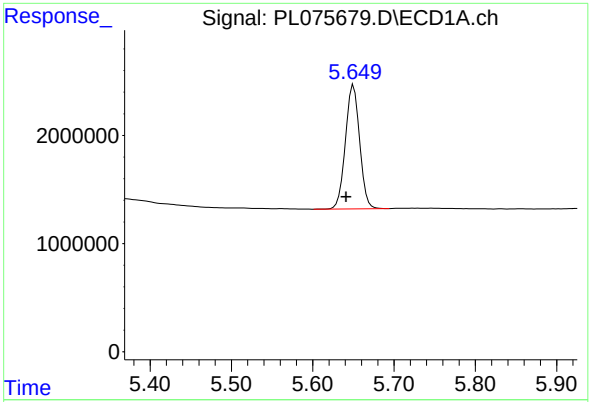
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:29:02 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



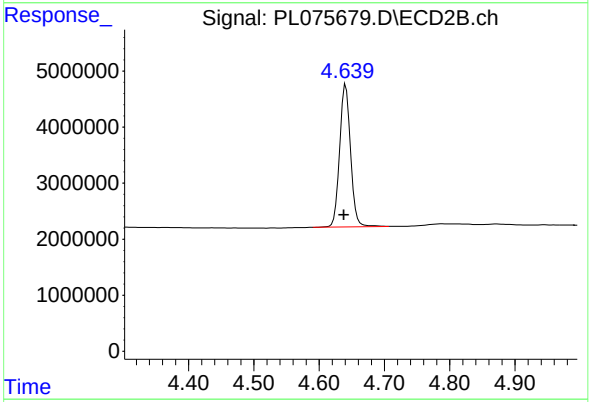




#1 Tetrachloro-m-xylene

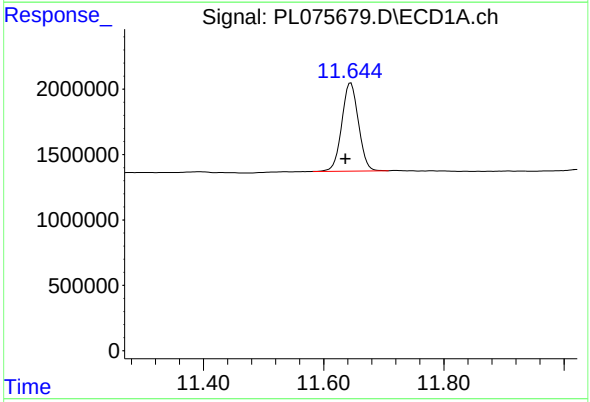
R.T.: 5.650 min
Delta R.T.: 0.009 min
Response: 13871682
Conc: 20.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



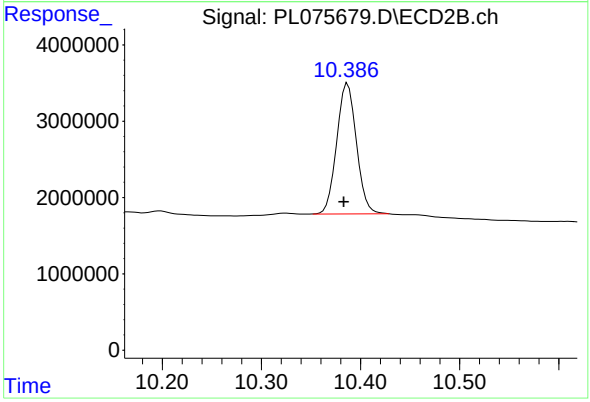
#1 Tetrachloro-m-xylene

R.T.: 4.641 min
Delta R.T.: 0.003 min
Response: 29601986
Conc: 17.64 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.645 min
Delta R.T.: 0.009 min
Response: 12961307
Conc: 21.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.387 min
Delta R.T.: 0.004 min
Response: 23675638
Conc: 16.80 ng/ml

Raw Data: **PL075693.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	06/10/22
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	06/10/22
Client Sample ID:	PIBLK-PL075693.D	SDG No.:	N3259
Lab Sample ID:	I.BLK-PL075693.D	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075693.D	1		06/10/22	pl061022

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.050	U	0.0057	0.050	ug/L
319-85-7	beta-BHC	0.050	U	0.0080	0.050	ug/L
319-86-8	delta-BHC	0.050	U	0.013	0.050	ug/L
76-44-8	Heptachlor	0.050	U	0.0060	0.050	ug/L
72-55-9	4,4-DDE	0.050	U	0.0048	0.050	ug/L
72-20-8	Endrin	0.050	U	0.0048	0.050	ug/L
72-54-8	4,4-DDD	0.050	U	0.0048	0.050	ug/L
50-29-3	4,4-DDT	0.050	U	0.0060	0.050	ug/L
8001-35-2	Toxaphene	1.00	U	0.17	1.00	ug/L
57-74-9	Chlordane	0.50	U	0.088	0.50	ug/L
SURROGATES						
2051-24-3	Decachlorobiphenyl	19.8		27 - 155	99%	SPK: 20
877-09-8	Tetrachloro-m-xylene	20.7		60 - 145	104%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 19:24
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: Jun 11 02:32:11 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.636	13980363	31818005	20.715	18.960
28)	SA Decachlor...	11.636	10.381	12125818	25484191	19.806	18.087
	Target Compounds						

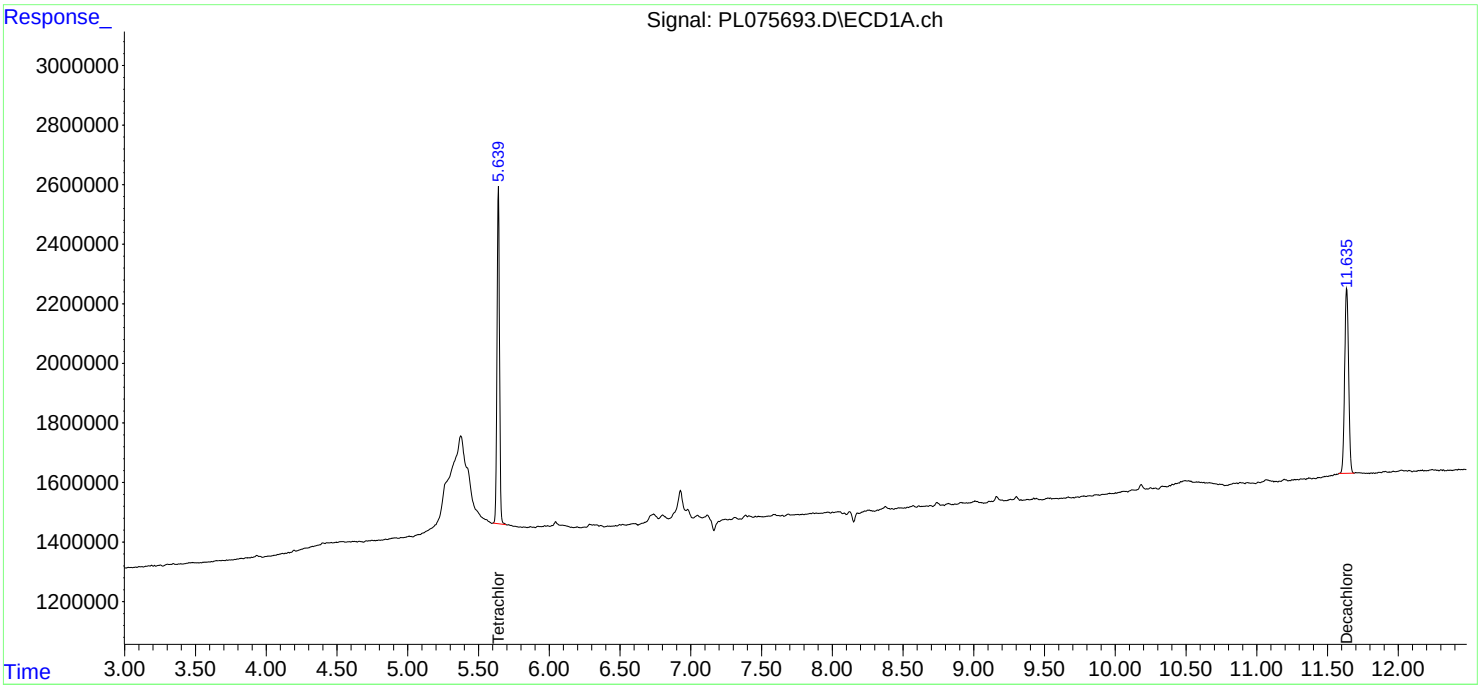
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

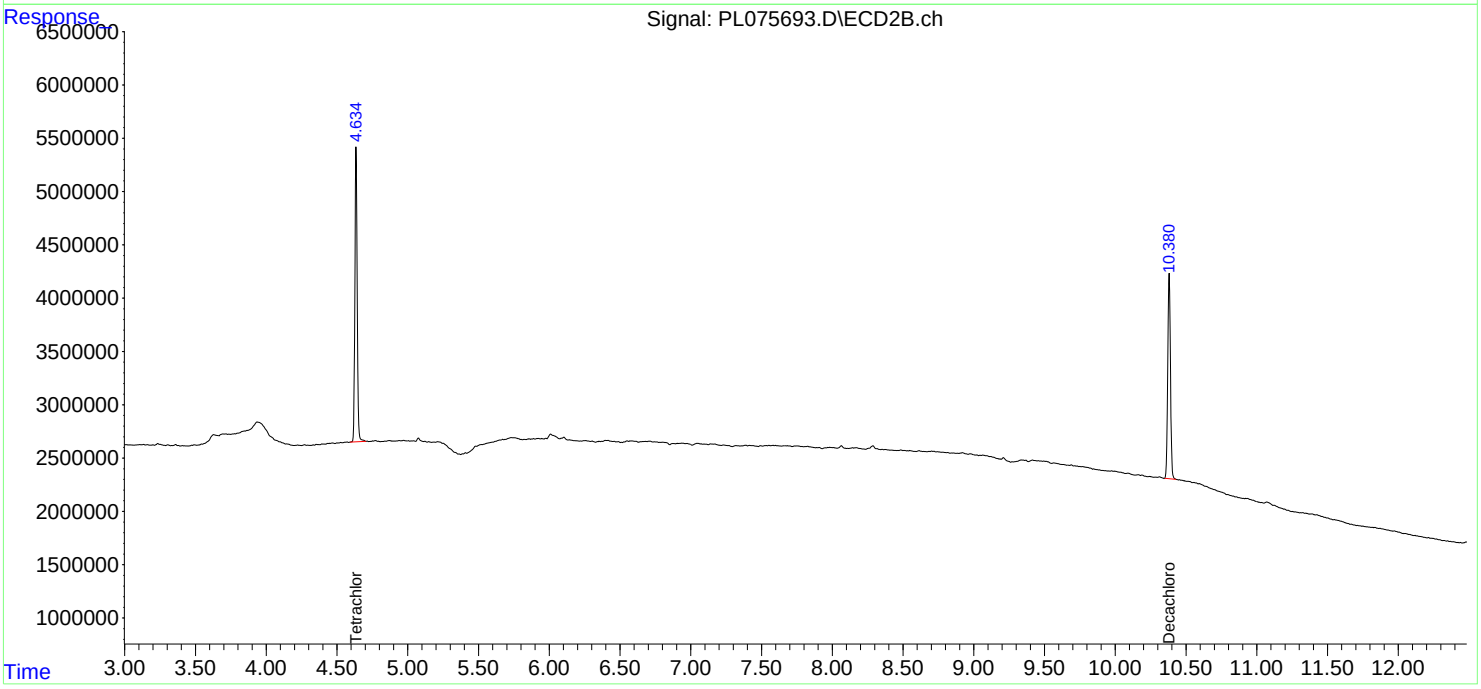
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075693.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 19:24
Operator : AR\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

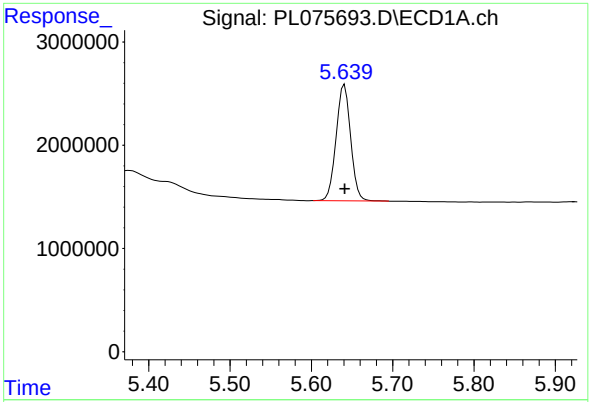
Instrument :
ECD_L
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:32:11 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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



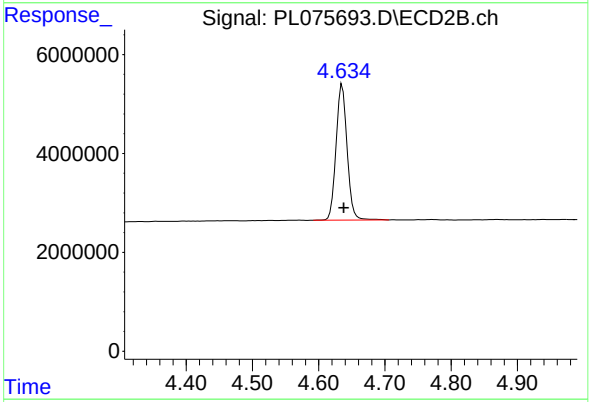




#1 Tetrachloro-m-xylene

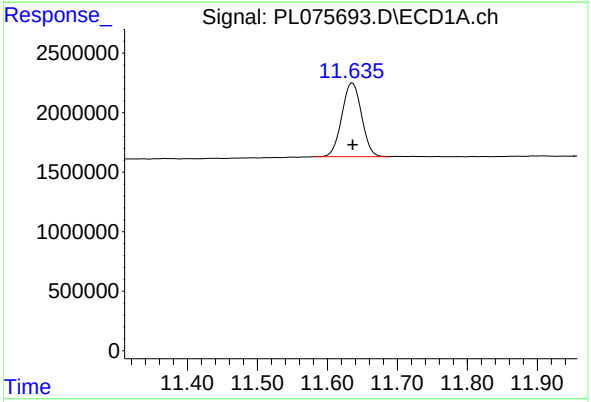
R.T.: 5.641 min
Delta R.T.: 0.000 min
Response: 13980363
Conc: 20.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
I.BLK



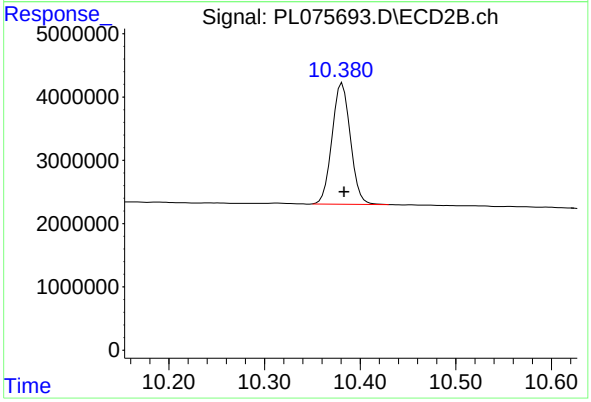
#1 Tetrachloro-m-xylene

R.T.: 4.636 min
Delta R.T.: -0.002 min
Response: 31818005
Conc: 18.96 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.636 min
Delta R.T.: 0.000 min
Response: 12125818
Conc: 19.81 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.381 min
Delta R.T.: -0.002 min
Response: 25484191
Conc: 18.09 ng/ml

Raw Data: **PL075686.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	
Client Sample ID:	PB145434BS	SDG No.:	N3259
Lab Sample ID:	PB145434BS	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075686.D	1	06/09/22 08:50	06/10/22 17:28	PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0089		0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0096		0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0094		0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0057		0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0096		0.00050	0.0050	ug/L
72-20-8	Endrin	0.0096	P	0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0096		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0090		0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.5		60 - 140	93%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Sample Results: **PL075686.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 17:28
Operator : AR\AJ
Sample : PB145434BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB145434BS

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:36 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.648	4.638	15150615	34120188	22.449	20.332
28)	SA Decachlor...	11.642	10.385	12564463	26093574	20.523m	18.520
	Target Compounds						
2)	A alpha-BHC	6.231	5.340	9558080	20229683	10.169	8.934
3)	MA gamma-BHC...	6.628	5.761	9112021	20238648	10.381m	9.333
4)	MA Heptachlor	7.283	6.169	9719482	20534214	10.570m	9.631
5)	MB Aldrin	7.656	6.493	9073077	20751707	11.051m	10.566
6)	B beta-BHC	6.880	6.140	4492738	9175844	10.947m	9.348
7)	B delta-BHC	7.151	6.400	4926798	12156155	6.403	5.678
8)	B Heptachlo...	8.125	7.067	12567321	17920214	16.258m	9.793 #
9)	A Endosulfan I	8.532	7.469	7976590	20454193	11.400m	12.229
10)	B gamma-Chl...	8.393	7.342	8122828	18213788	10.460m	9.934m
11)	B alpha-Chl...	8.477	7.412	8532014	19596464	11.188m	10.733m
12)	B 4,4'-DDE	8.662	7.625	6825628	15288805	10.313m	9.563
13)	MA Dieldrin	8.824	7.753	8161863	15989753	11.298	9.447m
14)	MA Endrin	9.063	8.045	5660011	17738339	9.546m	12.975 #
15)	B Endosulfa...	9.298	8.354	7351094	15328375	11.813m	10.696m
16)	A 4,4'-DDD	9.204	8.209	5735326	12660068	10.482m	9.628
17)	MA 4,4'-DDT	9.525	8.470	6942613	12649957	10.838	8.999
18)	B Endrin al...	9.434	8.543	5276436	10187009	10.302	9.044
19)	B Endosulfa...	9.673	8.773	6713170	16110040	10.717	10.968
20)	A Methoxychlor	10.010	9.063	3827663	7421273	10.693	9.110
21)	B Endrin ke...	10.174	9.290	7144279	17188811	10.159	10.648m
22)	Mirex	10.647	9.478	17227866	41008391	30.611	31.935

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

Sample Results: **PL075686.D**

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075686.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 17:28
Operator : AR\AJ
Sample : PB145434BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

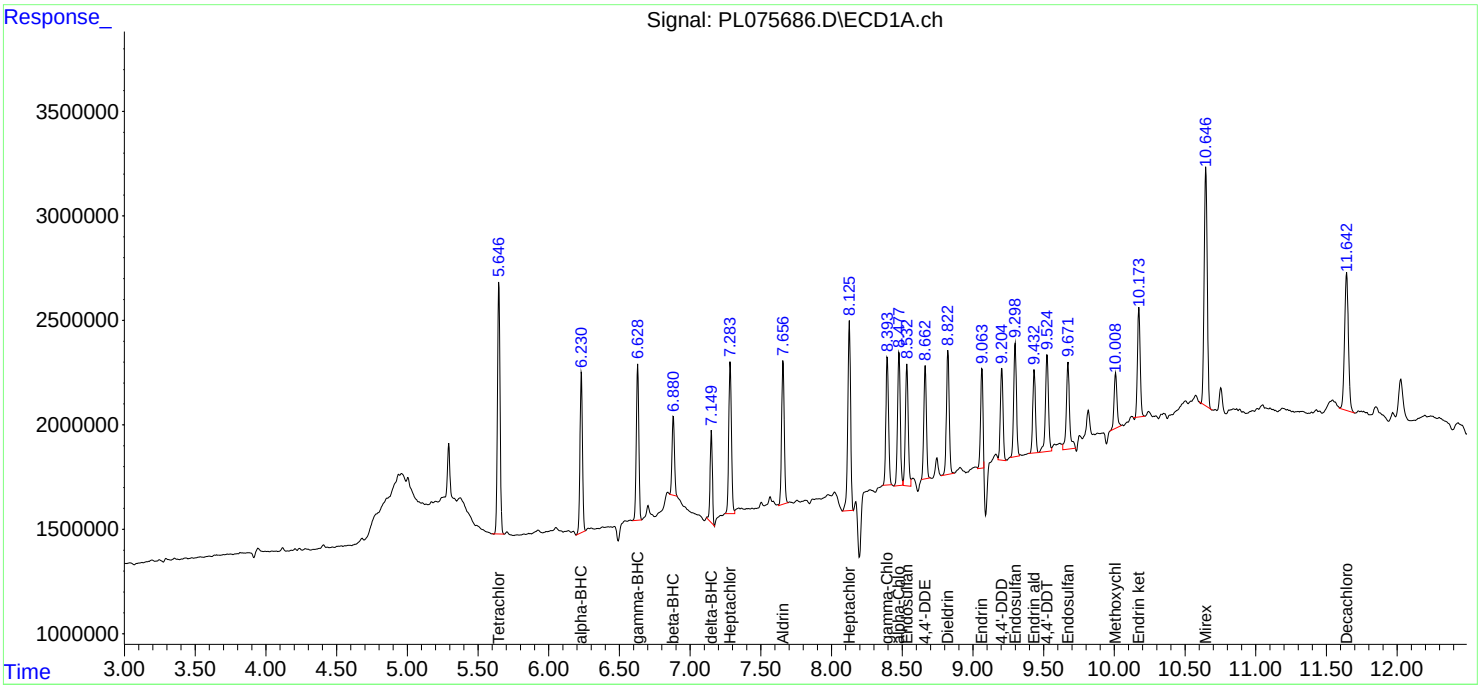
Instrument :
ECD_L
ClientSampleId :
PB145434BS

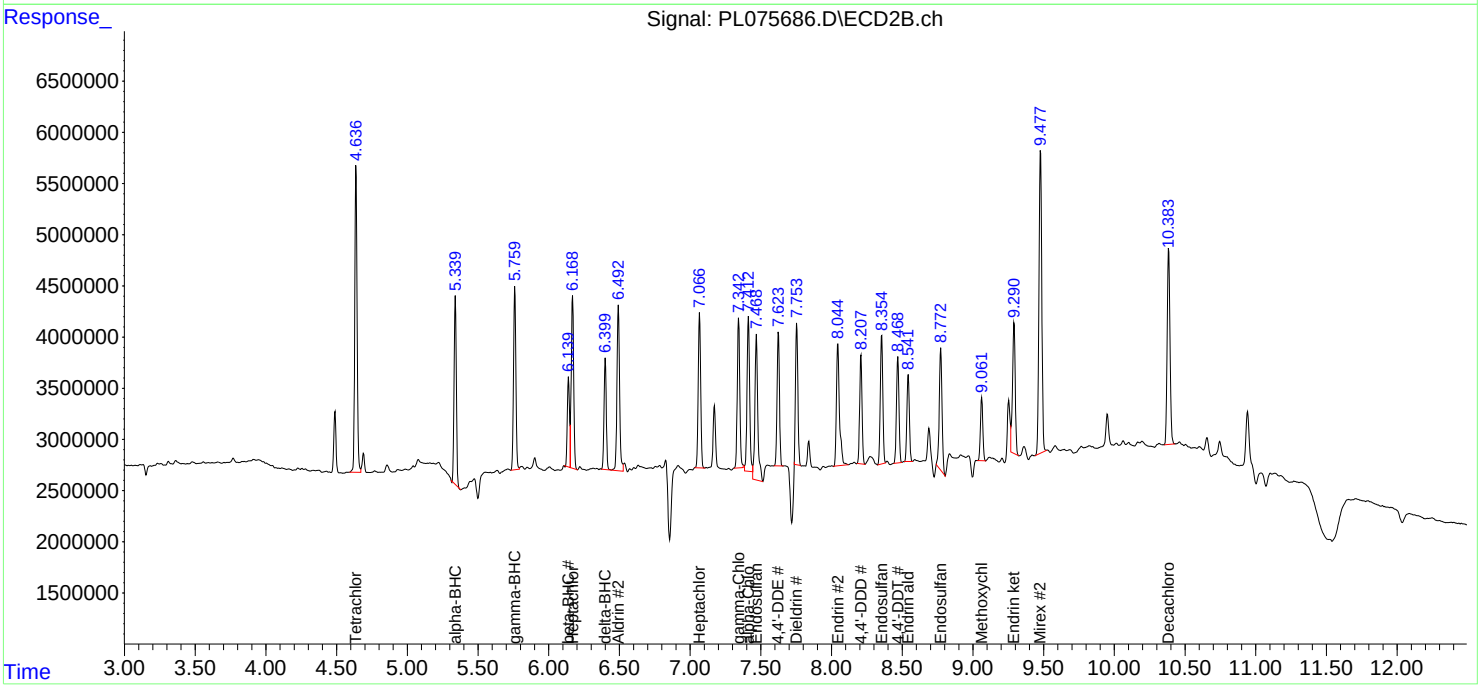
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:36 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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: **PL075687.D**

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Report of Analysis

Client:	Inframark	Date Collected:	
Project:	Fresh Kills Landfill Leachate Treatment Plant	Date Received:	
Client Sample ID:	PB145434BSD	SDG No.:	N3259
Lab Sample ID:	PB145434BSD	Matrix:	WATER
Analytical Method:	608.3	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	PESTICIDE Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PL075687.D	1	06/09/22 08:50	06/10/22 17:45	PB145434

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
319-84-6	alpha-BHC	0.0099		0.00060	0.0050	ug/L
76-44-8	Heptachlor	0.0097		0.00060	0.0050	ug/L
319-85-7	beta-BHC	0.0095		0.00080	0.0050	ug/L
319-86-8	delta-BHC	0.0041	J	0.0013	0.0050	ug/L
72-55-9	4,4-DDE	0.0098		0.00050	0.0050	ug/L
72-20-8	Endrin	0.011		0.00050	0.0050	ug/L
72-54-8	4,4-DDD	0.0097		0.00050	0.0050	ug/L
50-29-3	4,4-DDT	0.0084		0.00060	0.0050	ug/L
57-74-9	Chlordane	0.050	U	0.011	0.050	ug/L
8001-35-2	Toxaphene	0.10	U	0.017	0.10	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.7		60 - 140	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 140	92%	SPK: 20

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
P = Indicates >25% difference for detected concentrations between the two GC columns
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 17:45
Operator : AR\AJ
Sample : PB145434BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PB145434BSD

Manual Integrations APPROVED

Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:50 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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...	5.641	4.635	15053872	31424287	22.306	18.725
28) SA	Decachlor...	11.636	10.381	11875819	25838205	19.398	18.339
	Target Compounds						
2) A	alpha-BHC	6.225	5.337	9500158	22463431	10.107	9.921
3) MA	gamma-BHC...	6.624	5.758	8955172	19899279	10.203	9.176
4) MA	Heptachlor	7.278	6.166	9690125	20599096	10.538	9.661
5) MB	Aldrin	7.653	6.490	9460579	19568006	11.522	9.963
6) B	beta-BHC	6.876	6.137	4251953	9367484	10.360	9.544
7) B	delta-BHC	7.146	6.397	3707927	8818072	4.819	4.119
8) B	Heptachlo...	8.120	7.065	8799357	18271877	11.384	9.985
9) A	Endosulfan I	8.528	7.467	7695511	16291226	10.999	9.740
10) B	gamma-Chl...	8.390	7.341	8448882	18469058	10.880m	10.073
11) B	alpha-Chl...	8.473	7.411	8524683	18464589	11.178	10.113
12) B	4,4'-DDE	8.658	7.622	7184266	15644131	10.855	9.785
13) MA	Dieldrin	8.819	7.752	7951843	17755564	11.007	10.490
14) MA	Endrin	9.060	8.042	6394229	14700278	10.784	10.753
15) B	Endosulfa...	9.293	8.352	6914726	14701433	11.112	10.259
16) A	4,4'-DDD	9.200	8.206	5835071	12762520	10.664	9.706
17) MA	4,4'-DDT	9.520	8.466	5352792	11900863	8.356	8.466
18) B	Endrin al...	9.429	8.540	5347601	11137169	10.441	9.888
19) B	Endosulfa...	9.668	8.770	5783176	12280702	9.232	8.361
20) A	Methoxychlor	10.005	9.059	3289674	6865507	9.190	8.428
21) B	Endrin ke...	10.170	9.288	7043590	14970011	10.016	9.274
22)	Mirex	10.642	9.475	18224243	41365852	32.382	32.213

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

Sample Results: **PL075687.D**

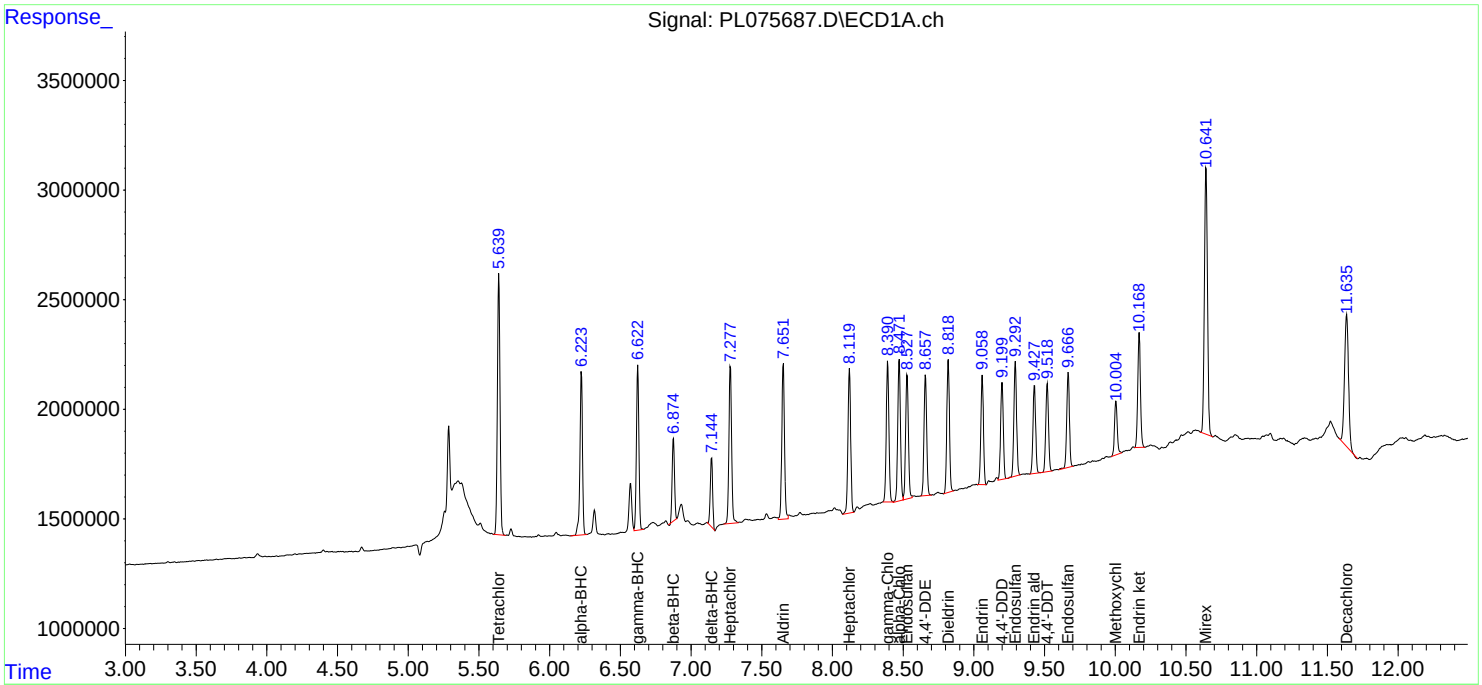
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061022\
Data File : PL075687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2022 17:45
Operator : AR\AJ
Sample : PB145434BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

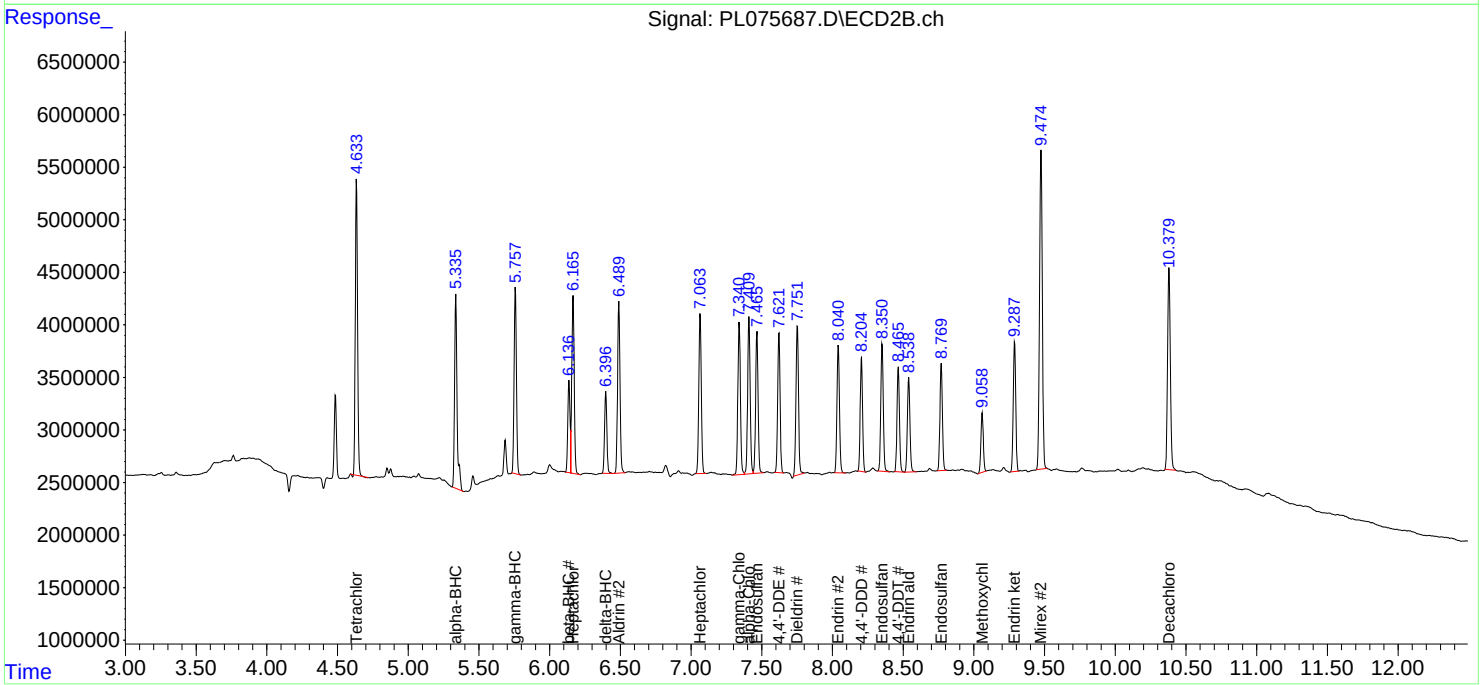
Instrument :
ECD_L
ClientSampleId :
PB145434BSD

Manual Integrations APPROVED
Reviewed By :Abdul Mirza 06/13/2022
Supervised By :Ankita Jodhani 06/13/2022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 11 02:30:50 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL060622.M
Quant Title : GC Extractables
QLast Update : Tue Jun 07 02:04:29 2022
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:	PL060622	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL075558.D	4,4"-DDD #2	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	4,4"-DDE	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	4,4"-DDE #2	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	beta-BHC #2	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	Endrin aldehyde	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	Endrin aldehyde #2	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
PEM	PL075558.D	Endrin ketone	Abdul	6/7/2022 8:48:29 AM	Ankita	6/7/2022 3:38:51	Peak Integrated by Software
RESCHK	PL075559.D	Endosulfan I	Abdul	6/7/2022 8:48:32 AM	Ankita	6/7/2022 3:38:52	Peak Integrated by Software
RESCHK	PL075559.D	gamma-Chlordane	Abdul	6/7/2022 8:48:32 AM	Ankita	6/7/2022 3:38:52	Peak Integrated by Software
PSTDICC005	PL075564.D	Heptachlor epoxide	Abdul	6/7/2022 8:48:37 AM	Ankita	6/7/2022 3:38:54	Peak Integrated by Software
PEM	PL075584.D	4,4"-DDE	Abdul	6/8/2022 9:07:56 AM	Ankita	6/9/2022 8:51:12	Peak Integrated by Software
PEM	PL075584.D	4,4"-DDE #2	Abdul	6/8/2022 9:07:56 AM	Ankita	6/9/2022 8:51:12	Peak Integrated by Software
PEM	PL075584.D	beta-BHC #2	Abdul	6/8/2022 9:07:56 AM	Ankita	6/9/2022 8:51:12	Peak Integrated by Software

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Manual Integration Report

Sequence:	PL060622	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL075584.D	Endrin aldehyde	Abdul	6/8/2022 9:07:56 AM	Ankita	6/9/2022 8:51:12	Peak Integrated by Software
PEM	PL075584.D	Endrin aldehyde #2	Abdul	6/8/2022 9:07:56 AM	Ankita	6/9/2022 8:51:12	Peak Integrated by Software

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Manual Integration Report

Sequence:	pl060922	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL075658.D	4,4"-DDE #2	Abdul	6/10/2022 8:38:16 AM	Ankita	6/10/2022 9:28:47	Peak Integrated by Software
N3259-01	PL075671.D	4,4"-DDD #2	Abdul	6/10/2022 8:38:27 AM	Ankita	6/10/2022 9:28:53	Peak Integrated by Software
N3259-01	PL075671.D	Decachlorobiphenyl	Abdul	6/10/2022 8:38:27 AM	Ankita	6/10/2022 9:28:53	Peak Integrated by Software
N3259-01	PL075671.D	Tetrachloro-m-xylene	Abdul	6/10/2022 8:38:27 AM	Ankita	6/10/2022 9:28:53	Peak Integrated by Software
N3259-01	PL075671.D	Tetrachloro-m-xylene #2	Abdul	6/10/2022 8:38:27 AM	Ankita	6/10/2022 9:28:53	Peak Integrated by Software
PB145434BL	PL075675.D	Decachlorobiphenyl	Abdul	6/10/2022 8:38:37 AM	Ankita	6/10/2022 9:28:59	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl061022	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PEM	PL075680.D	4,4"-DDE	Abdul	6/13/2022 9:54:57 AM	Ankita	6/13/2022 11:34:55	Peak Integrated by Software
PSTDCCC050	PL075681.D	4,4"-DDD #2	Abdul	6/13/2022 9:55:07 AM	Ankita	6/13/2022 11:34:57	Peak Integrated by Software
PB145434BS	PL075686.D	4,4"-DDD	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	4,4"-DDE	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Aldrin	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	alpha-Chlordane	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	alpha-Chlordane #2	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	beta-BHC	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Decachlorobiphenyl	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Dieldrin #2	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Endosulfan I	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Endosulfan II	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Endosulfan II #2	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software

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Manual Integration Report

Sequence:	pl061022	Instrument	ECD_I

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB145434BS	PL075686.D	Endrin	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Endrin ketone #2	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	gamma-BHC (Lindane)	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	gamma-Chlordane	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	gamma-Chlordane #2	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Heptachlor	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BS	PL075686.D	Heptachlor epoxide	Abdul	6/13/2022 9:55:32 AM	Ankita	6/13/2022 11:35:04	Peak Integrated by Software
PB145434BSD	PL075687.D	gamma-Chlordane	Abdul	6/13/2022 9:55:36 AM	Ankita	6/13/2022 11:35:07	Peak Integrated by Software
PEM	PL075694.D	4,4"-DDE	Abdul	6/13/2022 9:56:05 AM	Ankita	6/13/2022 11:35:36	Peak Integrated by Software
PSTDCCC050	PL075695.D	4,4"-DDD #2	Abdul	6/13/2022 9:56:09 AM	Ankita	6/13/2022 11:35:38	Peak Integrated by Software

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060622

Review By	Abdul	Review On	6/7/2022 8:49:39 AM		
Supervise By	Ankita	Supervise On	6/7/2022 3:40:02 PM		
SubDirectory	PL060622	HP Acquire Method		HP Processing Method	PL060622

STD. NAME	STD REF.#
Tune/Reschk	PP19605,P10884
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL075556.D	06 Jun 2022 13:19	AR\AJ	Ok
2	I.BLK	PL075557.D	06 Jun 2022 13:36	AR\AJ	Ok
3	PEM	PL075558.D	06 Jun 2022 13:52	AR\AJ	Ok,M
4	RESCHK	PL075559.D	06 Jun 2022 14:09	AR\AJ	Ok,M
5	PSTDICC100	PL075560.D	06 Jun 2022 14:25	AR\AJ	Ok
6	PSTDICC075	PL075561.D	06 Jun 2022 14:42	AR\AJ	Ok
7	PSTDICC050	PL075562.D	06 Jun 2022 14:58	AR\AJ	Ok
8	PSTDICC025	PL075563.D	06 Jun 2022 15:15	AR\AJ	Ok
9	PSTDICC005	PL075564.D	06 Jun 2022 15:31	AR\AJ	Ok,M
10	PCHLORICC1000	PL075565.D	06 Jun 2022 15:48	AR\AJ	Ok
11	PCHLORICC750	PL075566.D	06 Jun 2022 16:04	AR\AJ	Ok
12	PCHLORICC500	PL075567.D	06 Jun 2022 16:21	AR\AJ	Ok
13	PCHLORICC250	PL075568.D	06 Jun 2022 16:37	AR\AJ	Ok
14	PCHLORICC050	PL075569.D	06 Jun 2022 16:54	AR\AJ	Ok,M
15	PTOXICC1000	PL075570.D	06 Jun 2022 17:10	AR\AJ	Ok
16	PTOXICC750	PL075571.D	06 Jun 2022 17:27	AR\AJ	Ok
17	PTOXICC500	PL075572.D	06 Jun 2022 17:43	AR\AJ	Ok
18	PTOXICC250	PL075573.D	06 Jun 2022 18:00	AR\AJ	Ok,M
19	PTOXICC100	PL075574.D	06 Jun 2022 18:17	AR\AJ	Ok
20	PSTDICV050	PL075575.D	06 Jun 2022 19:04	AR\AJ	Not Ok
21	PCHLORICV500	PL075576.D	06 Jun 2022 19:21	AR\AJ	Ok
22	PTOXICV500	PL075577.D	06 Jun 2022 19:37	AR\AJ	Ok
23	PSTDICV050	PL075578.D	06 Jun 2022 20:27	AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060622

Review By	Abdul	Review On	6/7/2022 8:49:39 AM		
Supervise By	Ankita	Supervise On	6/7/2022 3:40:02 PM		
SubDirectory	PL060622	HP Acquire Method		HP Processing Method	PL060622

STD. NAME	STD REF.#
Tune/Reschk	PP19605,P10884
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N2656-21	PL075579.D	06 Jun 2022 22:06	AR\AJ	Dilution
25	N2656-21DL	PL075580.D	06 Jun 2022 22:22	AR\AJ	Not Ok
26	N2656-21DL	PL075581.D	06 Jun 2022 22:39	AR\AJ	Dilution
27	N2656-21DL2	PL075582.D	06 Jun 2022 22:56	AR\AJ	Ok
28	I.BLK	PL075583.D	07 Jun 2022 01:08	AR\AJ	Ok
29	PEM	PL075584.D	07 Jun 2022 01:24	AR\AJ	Ok,M
30	PSTDCCC050	PL075585.D	07 Jun 2022 01:41	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060922

Review By	Abdul	Review On	6/10/2022 8:39:44 AM		
Supervise By	Ankita	Supervise On	6/10/2022 9:29:12 AM		
SubDirectory	PL060922	HP Acquire Method		HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL075656.D	09 Jun 2022 08:56	AR\AJ	Ok
2	I.BLK	PL075657.D	09 Jun 2022 09:48	AR\AJ	Ok
3	PEM	PL075658.D	09 Jun 2022 10:06	AR\AJ	Ok,M
4	PSTDCCC050	PL075659.D	09 Jun 2022 11:19	AR\AJ	Ok
5	PB145427BL	PL075660.D	09 Jun 2022 12:34	AR\AJ	Ok
6	PB145427BS	PL075661.D	09 Jun 2022 12:51	AR\AJ	Not Ok
7	N3233-01	PL075662.D	09 Jun 2022 13:07	AR\AJ	Ok
8	N3233-01MS	PL075663.D	09 Jun 2022 13:24	AR\AJ	Ok
9	N3233-01MSD	PL075664.D	09 Jun 2022 13:40	AR\AJ	Ok
10	N3233-02	PL075665.D	09 Jun 2022 13:57	AR\AJ	Ok,M
11	N3234-02	PL075666.D	09 Jun 2022 14:13	AR\AJ	Ok,M
12	N3251-01	PL075667.D	09 Jun 2022 14:30	AR\AJ	Ok
13	N3267-01	PL075668.D	09 Jun 2022 14:46	AR\AJ	Ok,M
14	I.BLK	PL075669.D	09 Jun 2022 15:03	AR\AJ	Ok
15	PSTDCCC050	PL075670.D	09 Jun 2022 16:09	AR\AJ	Ok
16	N3259-01	PL075671.D	09 Jun 2022 16:27	AR\AJ	ReRun
17	N3261-01	PL075672.D	09 Jun 2022 16:44	AR\AJ	ReRun
18	PB145434BS	PL075673.D	09 Jun 2022 17:00	AR\AJ	Not Ok
19	PB145434BSD	PL075674.D	09 Jun 2022 17:17	AR\AJ	Not Ok
20	PB145434BL	PL075675.D	09 Jun 2022 17:33	AR\AJ	Ok,M
21	I.BLK	PL075676.D	09 Jun 2022 17:50	AR\AJ	Ok
22	PSTDCCC050	PL075677.D	09 Jun 2022 18:06	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL061022

Review By	Abdul	Review On	6/13/2022 9:57:33 AM		
Supervise By	Ankita	Supervise On	6/13/2022 11:36:19 AM		
SubDirectory	PL061022	HP Acquire Method		HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PL075678.D	10 Jun 2022 08:47	AR\AJ	Ok
2	I.BLK	PL075679.D	10 Jun 2022 09:59	AR\AJ	Ok
3	PEM	PL075680.D	10 Jun 2022 10:15	AR\AJ	Ok,M
4	PSTDCCC050	PL075681.D	10 Jun 2022 13:42	AR\AJ	Ok,M
5	PB145370BS	PL075682.D	10 Jun 2022 13:59	AR\AJ	Ok
6	N3296-01	PL075683.D	10 Jun 2022 14:59	AR\AJ	Ok,M
7	N3259-01RE	PL075684.D	10 Jun 2022 15:15	AR\AJ	Confirms
8	N3261-01	PL075685.D	10 Jun 2022 15:37	AR\AJ	Ok,M
9	PB145434BS	PL075686.D	10 Jun 2022 17:28	AR\AJ	Ok,M
10	PB145434BSD	PL075687.D	10 Jun 2022 17:45	AR\AJ	Ok,M
11	PB145465BS	PL075688.D	10 Jun 2022 18:01	AR\AJ	Ok,M
12	PB145465BSD	PL075689.D	10 Jun 2022 18:18	AR\AJ	Ok,M
13	PB145465BL	PL075690.D	10 Jun 2022 18:34	AR\AJ	Ok
14	PB145452BL	PL075691.D	10 Jun 2022 18:51	AR\AJ	Ok
15	PB145452BS	PL075692.D	10 Jun 2022 19:07	AR\AJ	Not Ok
16	I.BLK	PL075693.D	10 Jun 2022 19:24	AR\AJ	Ok
17	PEM	PL075694.D	10 Jun 2022 19:40	AR\AJ	Ok,M
18	PSTDCCC050	PL075695.D	10 Jun 2022 19:57	AR\AJ	Ok,M
19	N3299-03	PL075696.D	10 Jun 2022 21:20	AR\AJ	Ok,M
20	N3299-04	PL075697.D	10 Jun 2022 21:36	AR\AJ	Dilution
21	N3299-05	PL075698.D	10 Jun 2022 21:53	AR\AJ	Dilution
22	N3299-06	PL075699.D	10 Jun 2022 22:09	AR\AJ	Ok
23	N3302-01	PL075700.D	10 Jun 2022 22:26	AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL061022

Review By	Abdul	Review On	6/13/2022 9:57:33 AM		
Supervise By	Ankita	Supervise On	6/13/2022 11:36:19 AM		
SubDirectory	PL061022	HP Acquire Method		HP Processing Method	

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N3302-02	PL075701.D	10 Jun 2022 22:42	AR\AJ	Ok,M
25	N3281-01	PL075702.D	10 Jun 2022 22:59	AR\AJ	Ok
26	N3282-01	PL075703.D	10 Jun 2022 23:16	AR\AJ	Not Ok
27	N3297-02	PL075704.D	10 Jun 2022 23:32	AR\AJ	Ok,M
28	N3297-04	PL075705.D	10 Jun 2022 23:49	AR\AJ	Ok,M
29	N3297-05	PL075706.D	11 Jun 2022 00:05	AR\AJ	Ok
30	I.BLK	PL075707.D	11 Jun 2022 00:22	AR\AJ	Ok
31	PSTDCCC050	PL075708.D	11 Jun 2022 00:55	AR\AJ	Ok
32	N3295-01	PL075709.D	11 Jun 2022 02:34	AR\AJ	Ok,M
33	N3295-01MS	PL075710.D	11 Jun 2022 02:50	AR\AJ	Ok,M
34	N3295-01MSD	PL075711.D	11 Jun 2022 03:07	AR\AJ	Ok,M
35	I.BLK	PL075712.D	11 Jun 2022 04:13	AR\AJ	Ok
36	PSTDCCC050	PL075713.D	11 Jun 2022 04:46	AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060622

Review By	Abdul	Review On	6/7/2022 8:49:39 AM		
Supervise By	Ankita	Supervise On	6/7/2022 3:40:02 PM		
SubDirectory	PL060622	HP Acquire Method		HP Processing Method	PL060622

STD. NAME	STD REF.#
Tune/Reschk	PP19605,P10884
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL075556.D	06 Jun 2022 13:19		AR\AJ	Ok
2	I.BLK	I.BLK	PL075557.D	06 Jun 2022 13:36		AR\AJ	Ok
3	PEM	PEM	PL075558.D	06 Jun 2022 13:52		AR\AJ	Ok,M
4	RESCHK	RESCHK	PL075559.D	06 Jun 2022 14:09		AR\AJ	Ok,M
5	PSTDICC100	PSTDICC100	PL075560.D	06 Jun 2022 14:25		AR\AJ	Ok
6	PSTDICC075	PSTDICC075	PL075561.D	06 Jun 2022 14:42		AR\AJ	Ok
7	PSTDICC050	PSTDICC050	PL075562.D	06 Jun 2022 14:58		AR\AJ	Ok
8	PSTDICC025	PSTDICC025	PL075563.D	06 Jun 2022 15:15		AR\AJ	Ok
9	PSTDICC005	PSTDICC005	PL075564.D	06 Jun 2022 15:31		AR\AJ	Ok,M
10	PCHLORICC1000	PCHLORICC1000	PL075565.D	06 Jun 2022 15:48		AR\AJ	Ok
11	PCHLORICC750	PCHLORICC750	PL075566.D	06 Jun 2022 16:04		AR\AJ	Ok
12	PCHLORICC500	PCHLORICC500	PL075567.D	06 Jun 2022 16:21		AR\AJ	Ok
13	PCHLORICC250	PCHLORICC250	PL075568.D	06 Jun 2022 16:37		AR\AJ	Ok
14	PCHLORICC050	PCHLORICC050	PL075569.D	06 Jun 2022 16:54		AR\AJ	Ok,M
15	PTOXICC1000	PTOXICC1000	PL075570.D	06 Jun 2022 17:10		AR\AJ	Ok
16	PTOXICC750	PTOXICC750	PL075571.D	06 Jun 2022 17:27		AR\AJ	Ok
17	PTOXICC500	PTOXICC500	PL075572.D	06 Jun 2022 17:43		AR\AJ	Ok
18	PTOXICC250	PTOXICC250	PL075573.D	06 Jun 2022 18:00		AR\AJ	Ok,M
19	PTOXICC100	PTOXICC100	PL075574.D	06 Jun 2022 18:17		AR\AJ	Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060622

Review By	Abdul	Review On	6/7/2022 8:49:39 AM		
Supervise By	Ankita	Supervise On	6/7/2022 3:40:02 PM		
SubDirectory	PL060622	HP Acquire Method		HP Processing Method	PL060622

STD. NAME	STD REF.#
Tune/Reschk	PP19605,P10884
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	PSTDICV050	ICVPL060622	PL075575.D	06 Jun 2022 19:04	Not used	AR\AJ	Not Ok
21	PCHLORICV500	ICVPL060622CHLOR	PL075576.D	06 Jun 2022 19:21		AR\AJ	Ok
22	PTOXICV500	ICVPL060622TOX	PL075577.D	06 Jun 2022 19:37		AR\AJ	Ok
23	PSTDICV050	ICVPL060622	PL075578.D	06 Jun 2022 20:27		AR\AJ	Ok
24	N2656-21	PT-PEST-SOIL	PL075579.D	06 Jun 2022 22:06	Need 10X	AR\AJ	Dilution
25	N2656-21DL	PT-PEST-SOILDL	PL075580.D	06 Jun 2022 22:22	Need more dilution	AR\AJ	Not Ok
26	N2656-21DL	PT-PEST-SOILDL	PL075581.D	06 Jun 2022 22:39	Need 20X	AR\AJ	Dilution
27	N2656-21DL2	PT-PEST-SOILDL2	PL075582.D	06 Jun 2022 22:56		AR\AJ	Ok
28	I.BLK	I.BLK	PL075583.D	07 Jun 2022 01:08		AR\AJ	Ok
29	PEM	PEM	PL075584.D	07 Jun 2022 01:24		AR\AJ	Ok,M
30	PSTDCCC050	PSTDCCC050	PL075585.D	07 Jun 2022 01:41		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060922

Review By	Abdul	Review On	6/10/2022 8:39:44 AM
Supervise By	Ankita	Supervise On	6/10/2022 9:29:12 AM
SubDirectory	PL060922	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL075656.D	09 Jun 2022 08:56		AR\AJ	Ok
2	I.BLK	I.BLK	PL075657.D	09 Jun 2022 09:48		AR\AJ	Ok
3	PEM	PEM	PL075658.D	09 Jun 2022 10:06		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL075659.D	09 Jun 2022 11:19		AR\AJ	Ok
5	PB145427BL	PB145427BL	PL075660.D	09 Jun 2022 12:34		AR\AJ	Ok
6	PB145427BS	PB145427BS	PL075661.D	09 Jun 2022 12:51	rec fail	AR\AJ	Not Ok
7	N3233-01	CR-1	PL075662.D	09 Jun 2022 13:07		AR\AJ	Ok
8	N3233-01MS	CR-1MS	PL075663.D	09 Jun 2022 13:24		AR\AJ	Ok
9	N3233-01MSD	CR-1MSD	PL075664.D	09 Jun 2022 13:40		AR\AJ	Ok
10	N3233-02	CR-2	PL075665.D	09 Jun 2022 13:57		AR\AJ	Ok,M
11	N3234-02	RB-21499	PL075666.D	09 Jun 2022 14:13		AR\AJ	Ok,M
12	N3251-01	NB-8-060822	PL075667.D	09 Jun 2022 14:30		AR\AJ	Ok
13	N3267-01	OR-2-060822	PL075668.D	09 Jun 2022 14:46		AR\AJ	Ok,M
14	I.BLK	I.BLK	PL075669.D	09 Jun 2022 15:03		AR\AJ	Ok
15	PSTDCCC050	PSTDCCC050	PL075670.D	09 Jun 2022 16:09		AR\AJ	Ok
16	N3259-01	BI-WEEKLY-INFLUENT	PL075671.D	09 Jun 2022 16:27	DCB low in both column	AR\AJ	ReRun
17	N3261-01	BI-WEEKLY-DECANT	PL075672.D	09 Jun 2022 16:44	TCMX low in 2nd column & DCB low in 1st column	AR\AJ	ReRun
18	PB145434BS	PB145434BS	PL075673.D	09 Jun 2022 17:00	Comp # 7 having low rec	AR\AJ	Not Ok
19	PB145434BSD	PB145434BSD	PL075674.D	09 Jun 2022 17:17	Comp # 7 having low rec	AR\AJ	Not Ok

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL060922

Review By	Abdul	Review On	6/10/2022 8:39:44 AM
Supervise By	Ankita	Supervise On	6/10/2022 9:29:12 AM
SubDirectory	PL060922	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	PB145434BL	PB145434BL	PL075675.D	09 Jun 2022 17:33		AR\AJ	Ok,M
21	I.BLK	I.BLK	PL075676.D	09 Jun 2022 17:50		AR\AJ	Ok
22	PSTDCCC050	PSTDCCC050	PL075677.D	09 Jun 2022 18:06		AR\AJ	Ok

M : Manual Integration

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL061022

Review By	Abdul	Review On	6/13/2022 9:57:33 AM
Supervise By	Ankita	Supervise On	6/13/2022 11:36:19 AM
SubDirectory	PL061022	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PL075678.D	10 Jun 2022 08:47		AR\AJ	Ok
2	I.BLK	I.BLK	PL075679.D	10 Jun 2022 09:59		AR\AJ	Ok
3	PEM	PEM	PL075680.D	10 Jun 2022 10:15		AR\AJ	Ok,M
4	PSTDCCC050	PSTDCCC050	PL075681.D	10 Jun 2022 13:42		AR\AJ	Ok,M
5	PB145370BS	PB145370BS	PL075682.D	10 Jun 2022 13:59		AR\AJ	Ok
6	N3296-01	OK-03-060922	PL075683.D	10 Jun 2022 14:59		AR\AJ	Ok,M
7	N3259-01RE	BI-WEEKLY-INFLUENT	PL075684.D	10 Jun 2022 15:15	DCB low in both column	AR\AJ	Confirms
8	N3261-01	BI-WEEKLY-DECANT	PL075685.D	10 Jun 2022 15:37		AR\AJ	Ok,M
9	PB145434BS	PB145434BS	PL075686.D	10 Jun 2022 17:28	Comp # 22 having high rec.	AR\AJ	Ok,M
10	PB145434BSD	PB145434BSD	PL075687.D	10 Jun 2022 17:45	Comp # 22 having high rec.	AR\AJ	Ok,M
11	PB145465BS	PB145465BS	PL075688.D	10 Jun 2022 18:01	Comp # 22 having high rec.	AR\AJ	Ok,M
12	PB145465BSD	PB145465BSD	PL075689.D	10 Jun 2022 18:18	Comp # 22 having high rec.	AR\AJ	Ok,M
13	PB145465BL	PB145465BL	PL075690.D	10 Jun 2022 18:34		AR\AJ	Ok
14	PB145452BL	PB145452BL	PL075691.D	10 Jun 2022 18:51		AR\AJ	Ok
15	PB145452BS	PB145452BS	PL075692.D	10 Jun 2022 19:07	All comp coming f flag in 1st column	AR\AJ	Not Ok
16	I.BLK	I.BLK	PL075693.D	10 Jun 2022 19:24		AR\AJ	Ok
17	PEM	PEM	PL075694.D	10 Jun 2022 19:40		AR\AJ	Ok,M
18	PSTDCCC050	PSTDCCC050	PL075695.D	10 Jun 2022 19:57		AR\AJ	Ok,M
19	N3299-03	SC-15	PL075696.D	10 Jun 2022 21:20		AR\AJ	Ok,M

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Instrument ID: ECD_L

Daily Analysis Runlog For Sequence/QCBatch ID # PL061022

Review By	Abdul	Review On	6/13/2022 9:57:33 AM
Supervise By	Ankita	Supervise On	6/13/2022 11:36:19 AM
SubDirectory	PL061022	HP Acquire Method	HP Processing Method

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762
CCC	PP19750,PP19755,PP19760
Internal Standard/PEM	
ICV/I.BLK	PP19764
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	N3299-04	SC-16	PL075697.D	10 Jun 2022 21:36	Need 10x	AR\AJ	Dilution
21	N3299-05	SC-17	PL075698.D	10 Jun 2022 21:53	Need 10x	AR\AJ	Dilution
22	N3299-06	SC-18	PL075699.D	10 Jun 2022 22:09		AR\AJ	Ok
23	N3302-01	I-1	PL075700.D	10 Jun 2022 22:26		AR\AJ	Ok,M
24	N3302-02	I-2	PL075701.D	10 Jun 2022 22:42		AR\AJ	Ok,M
25	N3281-01	129	PL075702.D	10 Jun 2022 22:59		AR\AJ	Ok
26	N3282-01	125	PL075703.D	10 Jun 2022 23:16	TCMX & DCB coming f flag in 1st column	AR\AJ	Not Ok
27	N3297-02	TI-633	PL075704.D	10 Jun 2022 23:32		AR\AJ	Ok,M
28	N3297-04	TI-633-X	PL075705.D	10 Jun 2022 23:49	TCMX low in 2nd column,	AR\AJ	Ok,M
29	N3297-05	TI-633-EB	PL075706.D	11 Jun 2022 00:05		AR\AJ	Ok
30	I.BLK	I.BLK	PL075707.D	11 Jun 2022 00:22		AR\AJ	Ok
31	PSTDCCC050	PSTDCCC050	PL075708.D	11 Jun 2022 00:55		AR\AJ	Ok
32	N3295-01	OR-03-060922	PL075709.D	11 Jun 2022 02:34		AR\AJ	Ok,M
33	N3295-01MS	OR-03-060922MS	PL075710.D	11 Jun 2022 02:50	DCB high in 1st column, some comp. having high rec	AR\AJ	Ok,M
34	N3295-01MSD	OR-03-060922MSD	PL075711.D	11 Jun 2022 03:07	DCB high in 1st column, comp # 13 having high rec	AR\AJ	Ok,M
35	I.BLK	I.BLK	PL075712.D	11 Jun 2022 04:13		AR\AJ	Ok
36	PSTDCCC050	PSTDCCC050	PL075713.D	11 Jun 2022 04:46		AR\AJ	Ok

M : Manual Integration

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EXTRACTION LOGPAGE

PB145434

SOP ID: M608.3-Pesticide PCB-16

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3193

Extraction By: RJ

Filter By: HM

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 06/09/2022

Extraction Start Time : 08:50

Extraction End Date : 06/09/2022

Extraction End Time : 13:30

Concentration By: RS

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	12.5 PPB	PP19831
Surrogate	1.0ML	20 PPB	PP19950
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3339
Baked Na2SO4	N/A	EP2247
Hexane	N/A	E3341
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2200352/1.

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/09/22	RP (Ext. Lab)	Y-P PB7-P03.
13:35	Preparation Group	Analysis Group

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EXTRACTION LOGPAGE

PrepBatch ID : PB145434

Analytical Method: M608.3-Pesticide PCB-16 **Concentration Date:** 06/09/2022

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB145434BL	PBLK434	PESTICIDE Group1	1000.0	6	ritesh	Haroon	1			SEP-08
PB145434BS	PLCS434	PESTICIDE Group1	1000.0	6	ritesh	Haroon	1			9
PB145434BSD	PLCSD434	PESTICIDE Group1	1000.0	6	ritesh	Haroon	1			10
N3259-01	BI-WEEKLY-INFLUENT	PESTICIDE Group1	1000.0	6	ritesh	Haroon	1	C		11
N3261-01	BI-WEEKLY-DECANT	PESTICIDE Group1	1000.0	6	ritesh	Haroon	1	C		12

* Extracts relinquished on the same date as received.

6/9/22

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Prep Standard - Chemical Standard Summary

Order ID : N3259

Test : PESTICIDE Group1

Prepbatch ID : PB145434,

Sequence ID/Qc Batch ID: pl060922,PL061022,

Standard ID :
EP2247,PP19654,PP19729,PP19731,PP19746,PP19747,PP19748,PP19749,PP19750,PP19751,PP19752,PP19753,PP19754,PP19755,PP19756,PP19757,PP19758,PP19759,PP19760,PP19761,PP19762,PP19763,PP19764,PP19831,PP19950,

Chemical ID :
E3284,E3285,E3296,E3316,E3339,E3341,P10213,P10330,P8488,P9647,P9652,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2247	05/28/2022	10/01/2022	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 05/28/2022

FROM 4000.00000gram of E3296 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
84	Pest/PCB Surrogate Stock 20 PPM	PP19654	03/08/2022	09/08/2022	Ankita Jodhani	None	None	Yogesh Patel 03/09/2022

FROM 1.00000ml of P10213 + 9.00000ml of E3284 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1472	20 PPM Pest Stock Solution 2nd Source	PP19729	03/10/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 1.00000ml of P9652 + 9.00000ml of E3284 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3663	20 PPM MIREX Stock STD (Secondary source)	PP19731	03/10/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 1.00000ml of P9647 + 9.00000ml of E3284 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3629	20 PPM PEST stock Solution 1st source(RESTEK)	PP19746	03/10/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 1.00000ml of P9652 + 9.00000ml of E3284 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1273	20 PPM Mirex Stock (Primary Source)	PP19747	03/10/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.20000ml of P9647 + 9.80000ml of E3284 = Final Quantity: 10.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3630	100/100 PPB PEST Working std.1st Source(RESTEK)	PP19748	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 98.50000ml of E3284 + 0.50000ml of PP19654 + 0.50000ml of PP19746 + 0.50000ml of PP19747 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3631	75 PPB ICAL PEST STD(RESTEK)	PP19749	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.25000ml of E3284 + 0.75000ml of PP19748 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3632	50 PPB ICAL PEST STD(RESTEK)	PP19750	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.50000ml of E3284 + 0.50000ml of PP19748 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3633	25 PPB ICAL PEST STD(RESTEK)	PP19751	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.75000ml of E3284 + 0.25000ml of PP19748 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3634	5 PPB ICAL PEST STD(RESTEK)	PP19752	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.90000ml of E3284 + 0.10000ml of PP19750 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
386	1000/100 PPB Chlordane STD (Restek)	PP19753	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.10000ml of P8488 + 99.40000ml of E3284 + 0.50000ml of PP19654 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
528	CHLOR 750 PPB STD	PP19754	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.25000ml of E3284 + 0.75000ml of PP19753 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
529	CHLOR 500 PPB STD	PP19755	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.50000ml of E3284 + 0.50000ml of PP19753 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
530	CHLOR 250 PPB STD	PP19756	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.75000ml of E3284 + 0.25000ml of PP19753 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3408	CHLOR 50 PPB STD	PP19757	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.90000ml of E3284 + 0.10000ml of PP19755 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
383	1000/100 PPB Toxaphene STD (Restek)	PP19758	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.10000ml of P10330 + 99.40000ml of E3284 + 0.50000ml of PP19654 = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
533	TOX 750 PPB STD	PP19759	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.25000ml of E3284 + 0.75000ml of PP19758 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
534	TOX 500 PPB STD	PP19760	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.50000ml of E3284 + 0.50000ml of PP19758 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
535	TOX 250 PPB STD	PP19761	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.75000ml of E3284 + 0.25000ml of PP19758 = Final Quantity: 1.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2217	TOX 100 PPB STD	PP19762	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.90000ml of E3284 + 0.10000ml of PP19758 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
80	100/100 PPB Pesticide Working Solution 2nd Source	PP19763	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 98.50000ml of E3284 + 0.50000ml of PP19654 + 0.50000ml of PP19729 + 0.50000ml of PP19731 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3988	50 PPB PEST ICV STD(RESTEK)	PP19764	03/11/2022	09/08/2022	Abdul Mirza	None	None	Ankita Jodhani 03/11/2022

FROM 0.50000ml of E3284 + 0.50000ml of PP19763 = Final Quantity: 1.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
840	12.5 PPB Pest-608 Spike (Restek)	PP19831	03/21/2022	09/08/2022	Abdul Mirza	None	None	Sohil Jodhani 03/23/2022

FROM 99.87500ml of E3285 + 0.06250ml of PP19729 + 0.06250ml of PP19731 = Final Quantity: 100.000 ml

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Pest/Pcb STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1638	20 PPB Pest/PCB Surg Spike	PP19950	04/25/2022	09/08/2022	Abdul Mirza	None	None	Yogesh Patel 05/05/2022

FROM 249.75000ml of E3316 + 0.25000ml of PP19654 = Final Quantity: 250.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	21K1662002	09/08/2022	03/08/2022 / Rajesh	03/02/2022 / Rajesh	E3284

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	0000285502	09/25/2022	03/15/2022 / Rajesh	03/10/2022 / Rajesh	E3285

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	125102	10/01/2022	04/01/2022 / Rajesh	03/28/2022 / Rajesh	E3296

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	21J3062001	10/21/2022	04/21/2022 / Rajesh	04/20/2022 / Rajesh	E3316

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	22D1462024	11/28/2022	05/28/2022 / Rajesh	05/13/2022 / Rajesh	E3339

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	22B0762004	12/02/2022	06/02/2022 / Rajesh	06/01/2022 / Rajesh	E3341

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0166555	09/08/2022	03/08/2022 / Ankita	01/19/2021 / Abdul	P10213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32005 / Toxaphene Standard	A0163125	09/11/2022	03/11/2022 / Abdul	03/04/2021 / Abdul	P10330

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32021 / Pesticide Mix, chlordane (technical), 1000ug/mL, hexane, 1mL,	A0144623	09/11/2022	03/11/2022 / Abdul	05/09/2019 / Ankita	P8488

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	79136 / Mirex, 1000 ug/ml	061820	09/10/2022	03/10/2022 / Abdul	06/19/2020 / Sohil	P9647

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32291 / Pesticide Mix, CLP method, organochlorine Std AB#1, 200ug/mL, hexane/toluene, 1mL/ampul	A0154466	09/10/2022	03/10/2022 / Abdul	06/22/2020 / Sohil	P9652

Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent

avantor™ | JTBaker

Material No.: 9262-03
Batch No.: 21K1662002
Manufactured Date: 2021-10-19
Expiration Date: 2023-01-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	3
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	< 1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	< 0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3284

Recd. by RB on 3/2/22

James Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Acetone
ULTRA RESI-ANALYZED
For Organic Residue Analysis

avantor™ | J.T.Baker®

Material No.: 9254-03
Batch No.: 0000285502
Manufactured Date: 2021/02/03
Expiration Date: 2024/02/03
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	>= 99.4 %	99.7
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0000 ppm	0.1000
Substances Reducing Permanganate	Passes Test	PT
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	< 0.1
Water (H_2O)	<= 0.5 %	0.3
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RI on 3/10/22

E3285

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

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MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	JUL/22/2021
LOT NUMBER :	125102		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.0
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001%
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001%
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001%
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.002 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.33 %
Retained on US Standard No. 60 sieve	Min. 94%	97.40 %
Through US Standard No. 60 sieve	Max. 5%	2.04 %
Through US Standard No. 100 sieve	Max. 10%	0.23 %

COMMENTS

E3296

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

PO: 220330-01 PRODUCT CODE: SHIP DATE: 4/6/2022

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 21J3062001
Manufactured Date: 2021-09-20
Expiration Date: 2024-09-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.6	0.1
Water (H_2O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	2

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 4/20/22

E3316

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker®

Material No.: 9266-A4
Batch No.: 22D1462024
Manufactured Date: 2022-03-12
Expiration Date: 2023-06-11
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	≥ 99.8 %	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	5 ppm
Water (by KF, coulometric)	≤ 0.02 %	< 0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

E3339

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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Hexanes (95% n-hexane)
BAKER RESI-ANALYZED® Reagent

avantor™ | J.T.Baker®

Material No.: 9262-03
Batch No.: 22B0762004
Manufactured Date: 2021-11-24
Expiration Date: 2023-02-23
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	< 1
Assay (Total Saturated C_6 Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	< 0.1 ppm
Substances Darkened by H_2SO_4	Passes Test	Passes Test
Water (by KF, coulometric)	≤ 0.05 %	< 0.01 %

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD
Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 6/1/22.

E 3341

James T Ethier
Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
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RESTEK
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Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0166555

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2027 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene **CAS #** 877-09-8 (Lot 0052481) **Purity** 98%	200.2 µg/mL	+/- 1.1807 µg/mL +/- 6.3448 µg/mL +/- 8.2879 µg/mL	Gravimetric Unstressed Stressed
2	Decachlorobiphenyl (BZ# 209) **CAS #** 2051-24-3 (Lot ER071509-01) **Purity** 99%	200.1 µg/mL	+/- 1.1804 µg/mL +/- 6.3431 µg/mL +/- 8.2856 µg/mL	Gravimetric Unstressed Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

P10206 → P10215 (P.10206 To P.10215) AR 01/19

AR 01/19/2021

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

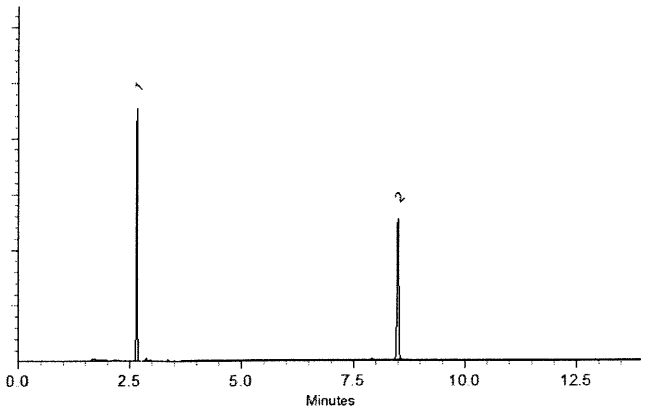
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGinnl - Operations Tech I

Date Mixed: 19-Nov-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 24-Nov-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32005 **Lot No.:** A0163125

Description : Toxaphene Standard

toxaphene 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2024 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Toxaphene	1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 8001-35-2 (Lot 0006532154)		+/- 31.8552	µg/mL	Unstressed
	Purity ----%		+/- 41.6063	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

P10326
P10330
AR
03/5/21

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

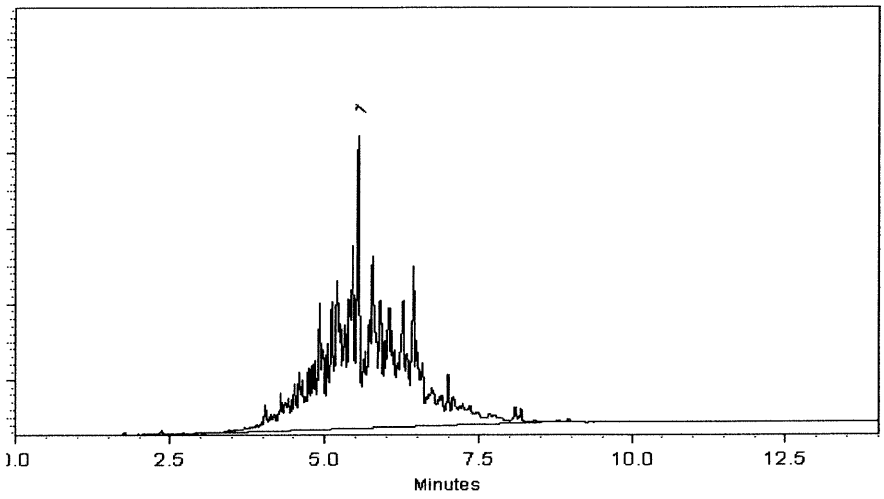
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Miranda Kline
Miranda Kline - Operations Technician I

Date Mixed: 31-Jul-2020 **Balance:** B345965662

Jennifer J Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 04-Aug-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32021 **Lot No.:** A0144623

Description : Chlordane Standard

Chlordane Standard 1000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 10°C or colder

P8484 ↓ P6488 AJ 05/09/19

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Chlordane	1,010.0 µg/mL	+/- 5.9272	µg/mL	Gravimetric
	CAS # 57-74-9 (Lot 142990)		+/- 32.0109	µg/mL	Unstressed
	Purity ----%		+/- 41.8169	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Tech Tips:
CAS #57-74-9 nomenclature is based on EPA method 8081B.

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

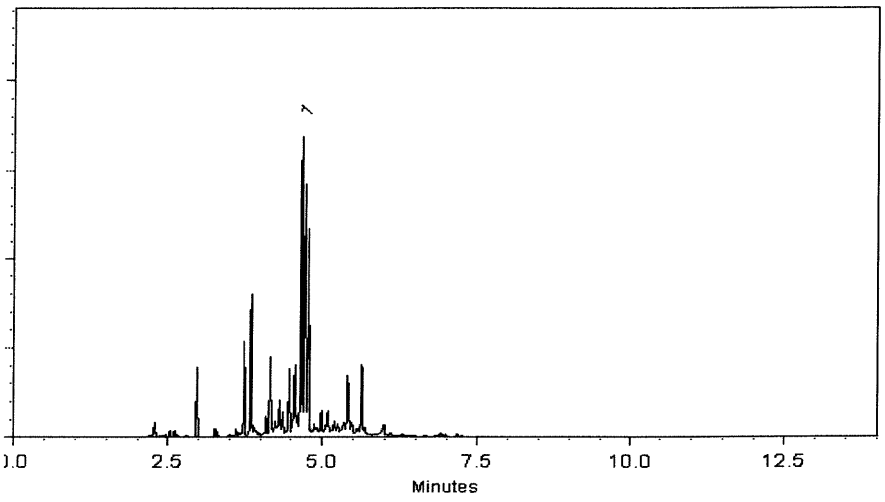
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Maggie Wang
Maggie Wang - Operations Technician I

Date Mixed: 04-Jan-2019 **Balance:** B251644995

Jennifer Pollino
Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 09-Jan-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

P9644, P9645, P9646, P9647, P9648

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

Received by: SJ 6/19/2020

CERTIFIED WEIGHT REPORT

Part Number: 79136
Lot Number: 061820
Description: Mirex

Solvent(s): **Lot#**
Acetone 81025

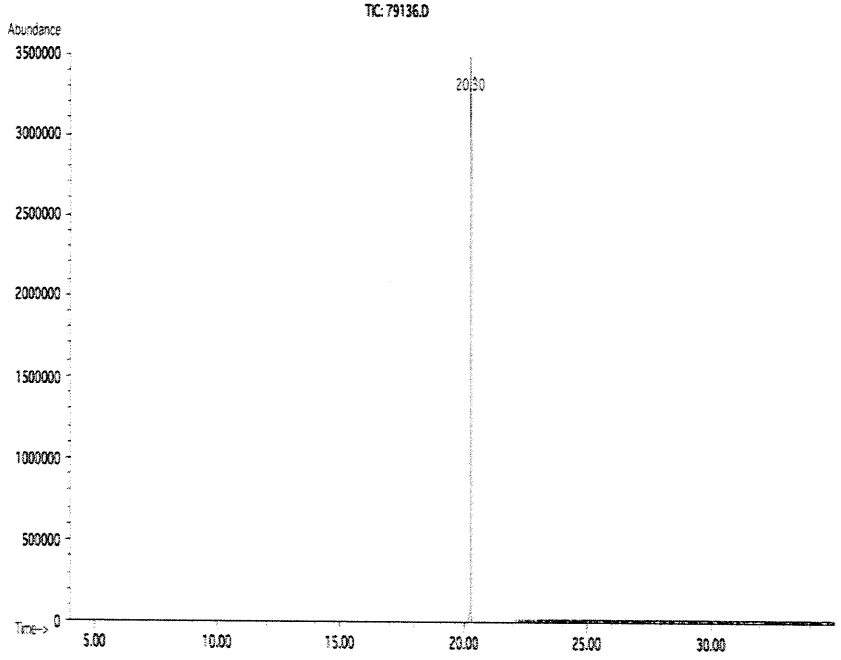
Expiration Date: 061825
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

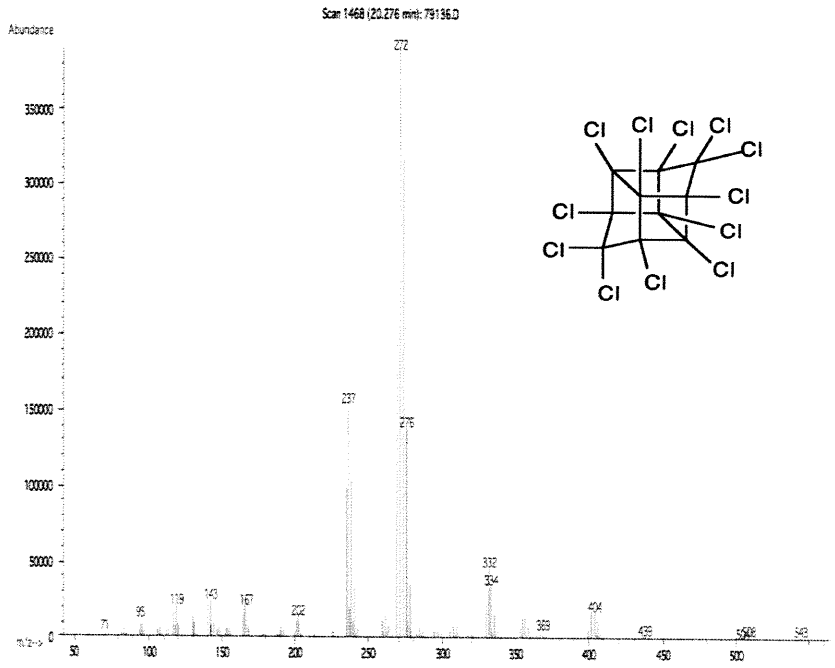
Weight(s) shown below were combined and diluted to (mL): 50.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

	061820
Formulated By: Benson Chan	DATE
	061820
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Mirex	437	9492400	1000	99.4	0.5	0.05030	0.05030	1000.0	10.3	2385-85-5	N/A	orl-rat 306mg/kg

Method GC7MSD-1.M: Column: SPB-608 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 150°C (4min.), Temp 2 = 290°C (13.5 min.), Rate = 8°C/min., Injector B= 200°C, Detector B = 290°C. Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Candice Warren.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

P9649 P9654
P9650 P9655
P9651 P9656
P9652 P9657
P9653 P9658

SJ 6/22/2020

Catalog No. : 32291 **Lot No.:** A0154466

Description : Organochlorine Pesticide Mix AB #1

Organochlorine Pesticide Mix AB #1 200µg/mL, Hexane/Toluene(50:50), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	alpha-BHC **CAS #** 319-84-6 (Lot 0012018BHC) **Purity** 99%	201.6 µg/mL	+/- 1.1974 µg/mL +/- 9.1846 µg/mL +/- 13.2599 µg/mL	Gravimetric Unstressed Stressed
2	gamma-BHC (Lindane) **CAS #** 58-89-9 (Lot 8521900) **Purity** 99%	201.6 µg/mL	+/- 1.1974 µg/mL +/- 9.1846 µg/mL +/- 13.2599 µg/mL	Gravimetric Unstressed Stressed
3	beta-BHC **CAS #** 319-85-7 (Lot BCBS8692V) **Purity** 99%	200.0 µg/mL	+/- 1.1879 µg/mL +/- 9.1117 µg/mL +/- 13.1547 µg/mL	Gravimetric Unstressed Stressed
4	delta-BHC **CAS #** 319-86-8 (Lot ER02101401) **Purity** 99%	200.0 µg/mL	+/- 1.1879 µg/mL +/- 9.1117 µg/mL +/- 13.1547 µg/mL	Gravimetric Unstressed Stressed
5	Heptachlor **CAS #** 76-44-8 (Lot 0006467453) **Purity** 98%	200.3 µg/mL	+/- 1.1898 µg/mL +/- 9.1259 µg/mL +/- 13.1752 µg/mL	Gravimetric Unstressed Stressed
6	Aldrin **CAS #** 309-00-2 (Lot 8737100) **Purity** 96%	200.1 µg/mL	+/- 1.1883 µg/mL +/- 9.1146 µg/mL +/- 13.1589 µg/mL	Gravimetric Unstressed Stressed
7	Heptachlor epoxide (isomer B) **CAS #** 1024-57-3 (Lot 8666700) **Purity** 99%	200.0 µg/mL	+/- 1.1879 µg/mL +/- 9.1117 µg/mL +/- 13.1547 µg/mL	Gravimetric Unstressed Stressed

8	trans-Chlordane		201.2	µg/mL	+/-	1.1951	µg/mL	Gravimetric
	CAS # 5103-74-2	(Lot ER06190604)			+/-	9.1664	µg/mL	Unstressed
	Purity 99%				+/-	13.2336	µg/mL	Stressed
9	cis-Chlordane		201.2	µg/mL	+/-	1.1951	µg/mL	Gravimetric
	CAS # 5103-71-9	(Lot 24407)			+/-	9.1664	µg/mL	Unstressed
	Purity 99%				+/-	13.2336	µg/mL	Stressed
10	Endosulfan I		202.0	µg/mL	+/-	1.1998	µg/mL	Gravimetric
	CAS # 959-98-8	(Lot BCBS8631)			+/-	9.2028	µg/mL	Unstressed
	Purity 99%				+/-	13.2862	µg/mL	Stressed
11	4,4'-DDE		200.8	µg/mL	+/-	1.1927	µg/mL	Gravimetric
	CAS # 72-55-9	(Lot GHYQG)			+/-	9.1481	µg/mL	Unstressed
	Purity 99%				+/-	13.2073	µg/mL	Stressed
12	Dieldrin		200.4	µg/mL	+/-	1.1903	µg/mL	Gravimetric
	CAS # 60-57-1	(Lot 8815700)			+/-	9.1299	µg/mL	Unstressed
	Purity 99%				+/-	13.1810	µg/mL	Stressed
13	Endrin		200.8	µg/mL	+/-	1.1927	µg/mL	Gravimetric
	CAS # 72-20-8	(Lot 8532900)			+/-	9.1481	µg/mL	Unstressed
	Purity 99%				+/-	13.2073	µg/mL	Stressed
14	4,4'-DDD		201.2	µg/mL	+/-	1.1951	µg/mL	Gravimetric
	CAS # 72-54-8	(Lot HAN02)			+/-	9.1664	µg/mL	Unstressed
	Purity 99%				+/-	13.2336	µg/mL	Stressed
15	Endosulfan II		200.0	µg/mL	+/-	1.1879	µg/mL	Gravimetric
	CAS # 33213-65-9	(Lot 8679900)			+/-	9.1117	µg/mL	Unstressed
	Purity 99%				+/-	13.1547	µg/mL	Stressed
16	4,4'-DDT		201.2	µg/mL	+/-	1.1951	µg/mL	Gravimetric
	CAS # 50-29-3	(Lot S37912V)			+/-	9.1664	µg/mL	Unstressed
	Purity 99%				+/-	13.2336	µg/mL	Stressed
17	Endrin aldehyde		200.8	µg/mL	+/-	1.1927	µg/mL	Gravimetric
	CAS # 7421-93-4	(Lot 30720)			+/-	9.1481	µg/mL	Unstressed
	Purity 99%				+/-	13.2073	µg/mL	Stressed
18	Endosulfan sulfate		202.0	µg/mL	+/-	1.1998	µg/mL	Gravimetric
	CAS # 1031-07-8	(Lot BCCB0424)			+/-	9.2028	µg/mL	Unstressed
	Purity 99%				+/-	13.2862	µg/mL	Stressed
19	Methoxychlor		200.4	µg/mL	+/-	1.1903	µg/mL	Gravimetric
	CAS # 72-43-5	(Lot 9013400)			+/-	9.1299	µg/mL	Unstressed
	Purity 99%				+/-	13.1810	µg/mL	Stressed
20	Endrin ketone		200.4	µg/mL	+/-	1.1903	µg/mL	Gravimetric
	CAS # 53494-70-5	(Lot 8618200)			+/-	9.1299	µg/mL	Unstressed
	Purity 99%				+/-	13.1810	µg/mL	Stressed

Solvent: Hexane/Toluene (50:50)
CAS # 110-54-3/108-88-3
Purity 99%

Column:
x .25mm x .2um
CLP II (cat.# 11323)

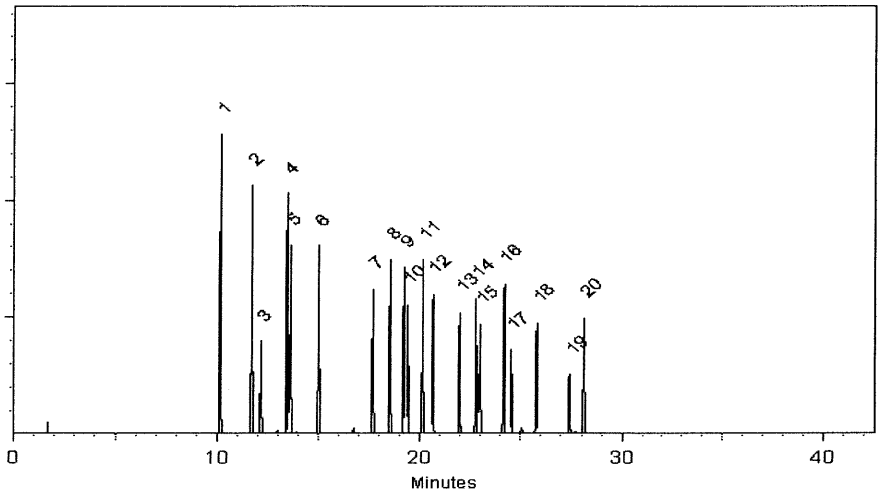
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
150°C to 300°C
@ 4°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Walker Workman - Operations Technician I

Date Mixed: 29-Oct-2019 **Balance:** 1128353505

Fang-Yun Lo - QC Analyst

Date Passed: 05-Nov-2019

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CHEMTECH

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: N3259/60

COC Number:

CLIENT INFORMATION

COMPANY: Inframark
ADDRESS: 310 West Service Road
CITY: Staten Island STATE: NY ZIP: 10312
ATTENTION: Kevin Russell
PHONE: (718) 227-6333 FAX: (718) 227-6111

PROJECT INFORMATION

PROJECT NAME: Fresh Kills Landfill Leachate Treatment Plant
PROJECT #: LOCATION:
PROJECT MANAGER: K. Russell
E-MAIL: kevin.russell@inframark.com
PHONE: (718) 227-6333 FAX: (718) 227-6111

BILLING INFORMATION

BILL TO: Inframark **PO# 140115**
ADDRESS: P.O. Box 90176
CITY: Staten Island STATE: NY ZIP: 10309
ATTENTION: K. Russell PHONE: (718) 227-6333

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____DAYS*
EDD 10 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ■ RESULTS * QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____
- ■ EDD Format_____PDF

ANALYSIS

1	2	3	4	5	6	7	8	9
COD, Total Phosphorus	Al, As, Cu, Fe, Zn	Oil & Grease	Pesticides	Low Level Mercury	Chloride			

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								C	B	C	E	A	E				<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	Bi-Weekly Influent	WW	X		6/8/22	7:00 AM	7	1	1		1		1				# 4 by EPA 608
2.	Bi-Weekly Influent	WW		X	6/8/22	8:53 AM				1		2					# 5 by EPA 1631E

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
1. RELINQUISHED BY SAMPLER	6/8/2022 11:25	1. RECEIVED BY	1125 6.8.22
2. RELINQUISHED BY	DATE/TIME	2. RECEIVED BY	
3. RELINQUISHED BY	DATE/TIME 1218 6.8.22	3. RECEIVED FOR LAB BY	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.0
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:_____
Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ■ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

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-0649
DOD ELAP (L-A-B)	L2219
Maine	2020021
Maryland	296
New Hampshire	255421
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-21-14