

DATA REPORTING QUALIFIERS- ORGANIC

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

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

LAB CHRONICLE

OrderID:	Q1328	OrderDate:	2/7/2025 8:40:00 AM
Client:	Chemtech Consulting Group	Project:	Weekly Storage Blanks
Contact:	QA Officer	Location:	D11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1328-13	PCB-GPC2-BLANK	SOIL	PCB	SFAM_PCB	02/07/25	02/10/25	02/11/25	02/07/25
Q1328-14	PCB-GPC2-BLANK-SPI KE	SOIL	PCB	SFAM_PCB	02/07/25	02/10/25	02/11/25	02/07/25

Hit Summary Sheet
SW-846

SDG No.: Q1328

Order ID: Q1328

Client: Chemtech Consulting Group

Project ID: Weekly Storage Blanks

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PCB-GPC2-BLANK-SPIKE								
Q1328-14	PCB-GPC2-BLANK-§ SOIL		Aroclor-1016	330		4.50	100	ug/kg
Q1328-14	PCB-GPC2-BLANK-§ SOIL		Aroclor-1260	360		4.80	100	ug/kg
Total Concentration:				690.000				



QC SUMMARY

Surrogate Summary

SDG No.: Q1328

Client: Chemtech Consulting Group

Analytical Method: SFAM_PCB

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PQ069912.D	PIBLK-PQ069912.D	TCX	1	20	0.19	97		30	150
		DCB	1	40	0.41	102		30	150
		TCX	2	20	0.21	103		30	150
		DCB	2	40	0.41	102		30	150
I.BLK-PQ069974.D	PIBLK-PQ069974.D	TCX	1	20	0.20	101		30	150
		DCB	1	40	0.42	104		30	150
		TCX	2	20	0.21	103		30	150
		DCB	2	40	0.40	101		30	150
Q1328-13	PCB-GPC2-BLANK	TCX	1	20	0	0	*	30	150
		DCB	1	40	0	0	*	30	150
		TCX	2	20	0	0	*	30	150
		DCB	2	40	0	0	*	30	150
Q1328-14	PCB-GPC2-BLANK-SPIKE	TCX	1	20	0	0	*	30	150
		DCB	1	40	0	0	*	30	150
		TCX	2	20	0	0	*	30	150
		DCB	2	40	0	0	*	30	150
I.BLK-PQ069987.D	PIBLK-PQ069987.D	TCX	1	20	0.19	95		30	150
		DCB	1	40	0.40	101		30	150
		TCX	2	20	0.20	99		30	150
		DCB	2	40	0.39	97		30	150



SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/07/25
Project:	Weekly Storage Blanks	Date Received:	02/07/25
Client Sample ID:	PCB-GPC2-BLANK	SDG No.:	Q1328
Lab Sample ID:	Q1328-13	Matrix:	SOIL
Analytical Method:	SFAM_PCB	% Solid:	100
Sample Wt/Vol:	10 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	2.0	PH :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ069985.D	1	02/10/25 10:30	02/11/25 19:54	PB166654

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.50	U	4.50	100	ug/kg
11104-28-2	Aroclor-1221	4.80	U	4.80	100	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	100	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	100	ug/kg
12672-29-6	Aroclor-1248	4.80	U	4.80	100	ug/kg
11097-69-1	Aroclor-1254	4.80	U	4.80	100	ug/kg
11096-82-5	Aroclor-1260	4.80	U	4.80	100	ug/kg
37324-23-5	Aroclor-1262	4.80	U	4.80	100	ug/kg
11100-14-4	Aroclor-1268	4.80	U	4.80	100	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0	*	30 - 150	%	SPK: 20
2051-24-3	Decachlorobiphenyl	0	*	30 - 150	%	SPK: 40

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_Q\Data\PQ021125\
Data File : PQ069985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 19:54
Operator : YP\AJ
Sample : Q1328-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PCB-GPC2-BLANK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

Target Compounds

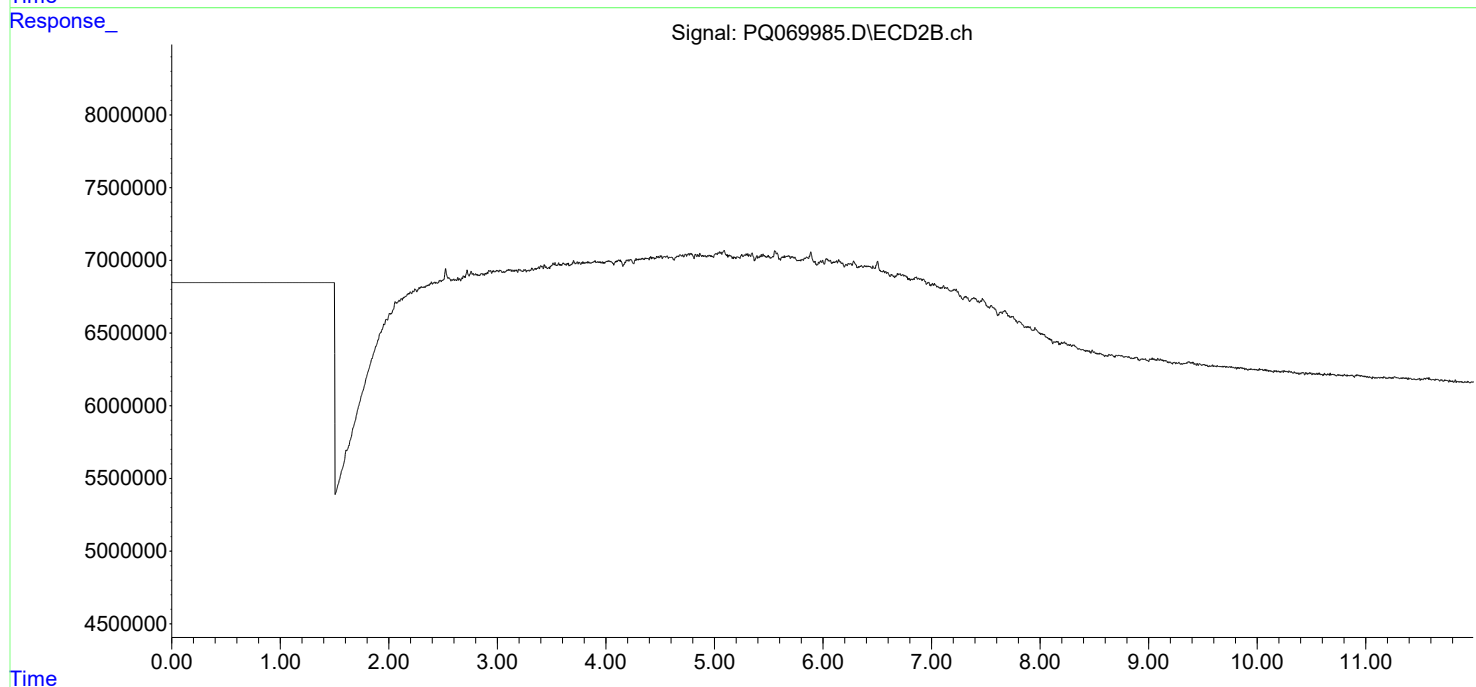
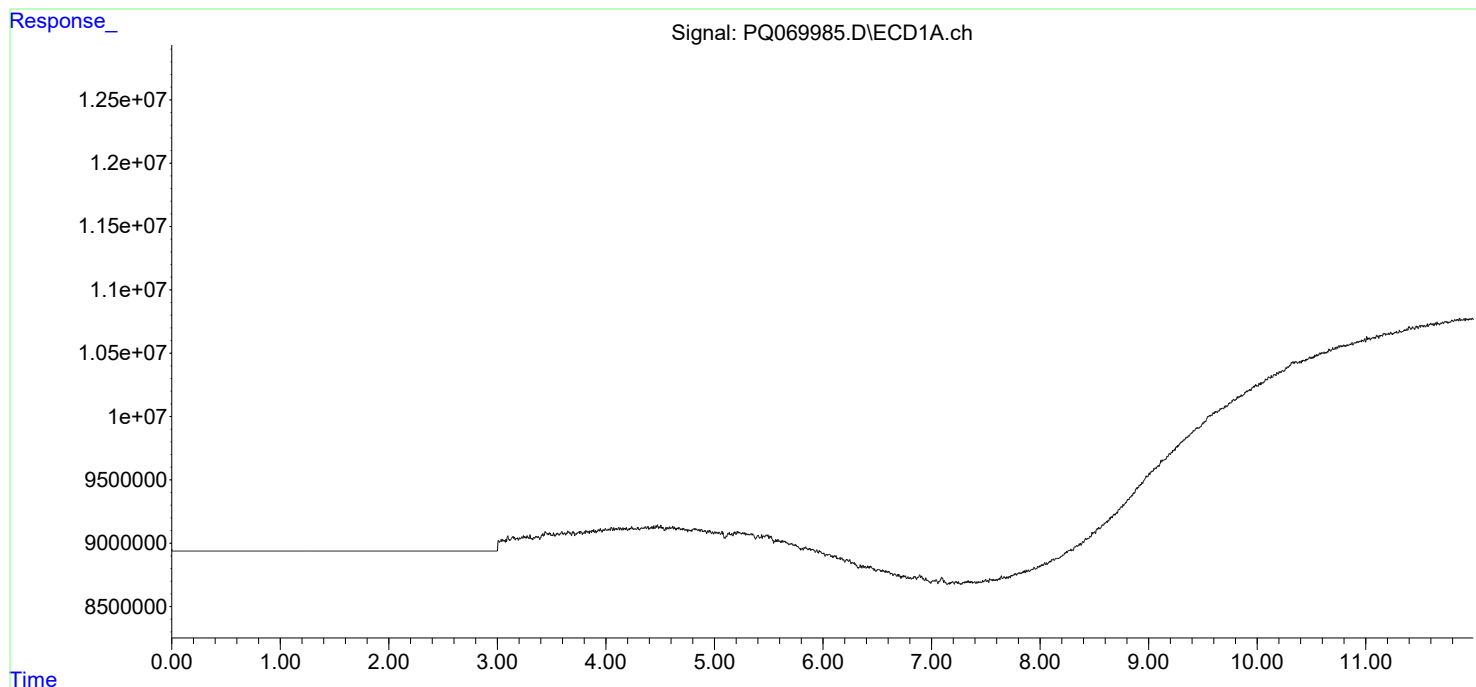
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069985.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 19:54
Operator : YP\AJ
Sample : Q1328-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PCB-GPC2-BLANK

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Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Chemtech Consulting Group		Date Collected:	02/07/25	
Project:	Weekly Storage Blanks		Date Received:	02/07/25	
Client Sample ID:	PCB-GPC2-BLANK-SPIKE		SDG No.:	Q1328	
Lab Sample ID:	Q1328-14		Matrix:	SOIL	
Analytical Method:	SFAM_PCB		% Solid:	100	Decanted:
Sample Wt/Vol:	10	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	2.0	PH :			
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ069986.D	1	02/10/25 10:30	02/11/25 20:09	PB166654

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	330		4.50	100	ug/kg
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11141-16-5	Aroclor-1232	4.80	U	4.80	100	ug/kg
53469-21-9	Aroclor-1242	4.80	U	4.80	100	ug/kg
12672-29-6	Aroclor-1248	4.80	U	4.80	100	ug/kg
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11096-82-5	Aroclor-1260	360		4.80	100	ug/kg
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Comments:

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
 Data File : PQ069986.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2025 20:09
 Operator : YP\AJ
 Sample : Q1328-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 PCB-GPC2-BLANK-SPIKE

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 08:43:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:27:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
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System Monitoring Compounds

Target Compounds

3)	L1	AR-1016-1	4.498	3.790	84196568	86504874	341.668	358.256
4)	L1	AR-1016-2	4.517	3.806	140.6E6	136.0E6	350.548	365.220
5)	L1	AR-1016-3	4.575	3.966	84939018	71978885	334.026	344.162
6)	L1	AR-1016-4	4.665	4.015	66493458	60575398	323.489	329.787
7)	L1	AR-1016-5	4.950	4.210	64002258	74459027	316.629	337.465
31)	L7	AR-1260-1	6.040	5.204	136.8E6	166.2E6	394.869	414.469
32)	L7	AR-1260-2	6.297	5.394	152.3E6	189.6E6	386.346	398.469
33)	L7	AR-1260-3	6.648	5.536	103.6E6	174.6E6	336.225	391.562
34)	L7	AR-1260-4	6.862	5.997	115.9E6	132.8E6	346.147	341.166
35)	L7	AR-1260-5	7.168	6.242	216.4E6	329.7E6	346.704	381.063

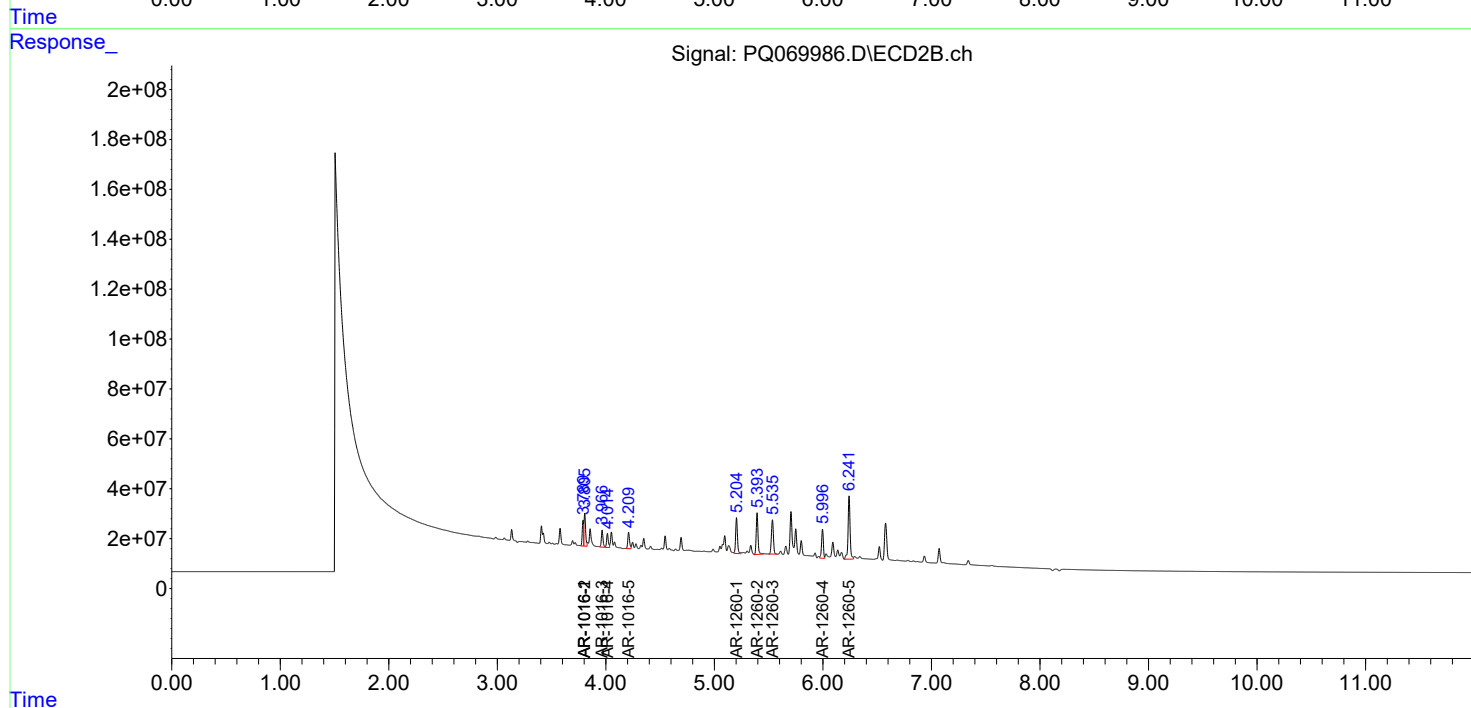
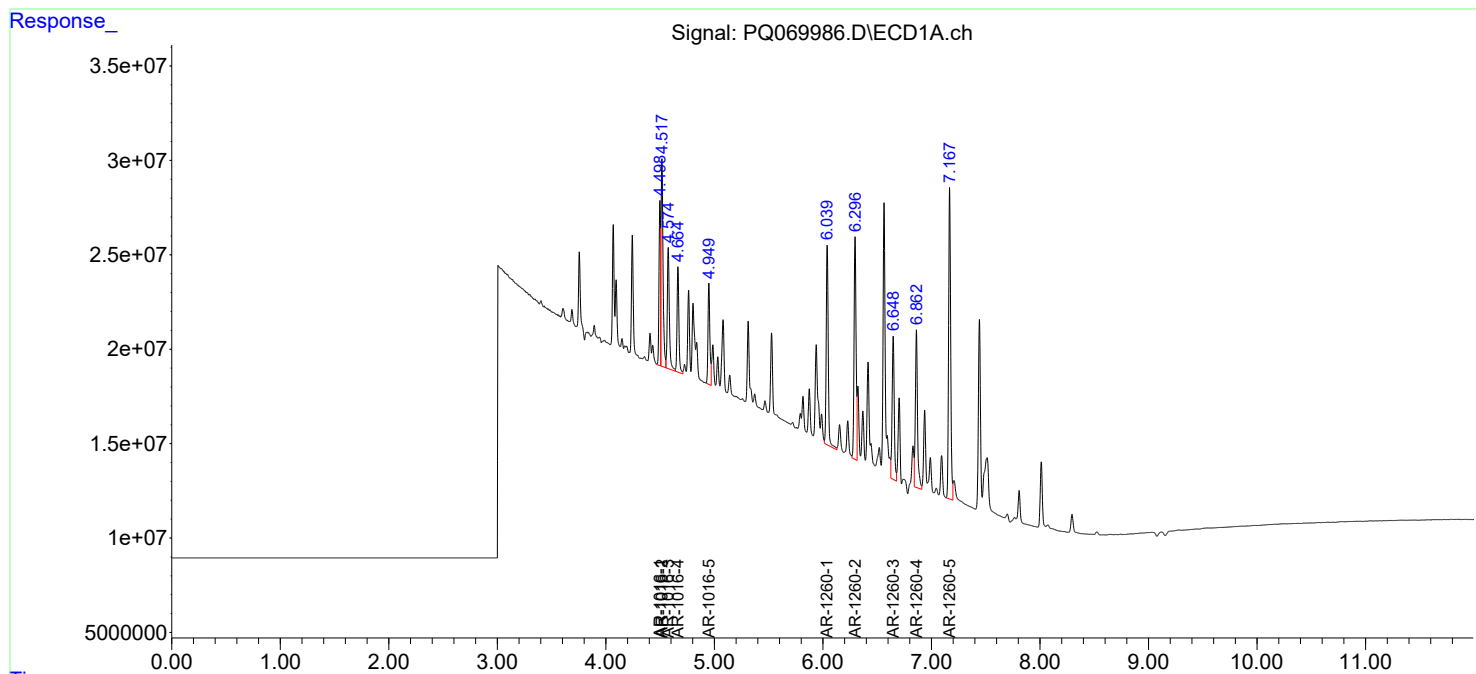
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069986.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 20:09
Operator : YP\AJ
Sample : Q1328-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PCB-GPC2-BLANK-SPIKE

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm





CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: CHEM02Lab Code: CHEMCase No.: Q1328SAS No.: Q1328SDG NO.: Q1328Instrument ID: ECD_QCalibration Date(s): 02/03/2025 02/04/2025Calibration Times: 15:58 02:03GC Column: ZB-MR1ID: 0.32 (mm)

LAB FILE ID:	RT 100 = <u>PQ069913.D</u>	RT 200 = <u>PQ069914.D</u>
RT 400 = <u>PQ069915.D</u>	RT 800 = <u>PQ069916.D</u>	RT 1600 = <u>PQ069917.D</u>

COMPOUND		RT 100	RT 200	RT 400	RT 800	RT 1600	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	4.50	4.50	4.50	4.50	4.50	4.50	4.43	4.57
Aroclor-1016-2	(2)	4.52	4.52	4.52	4.52	4.52	4.52	4.45	4.59
Aroclor-1016-3	(3)	4.58	4.58	4.58	4.58	4.58	4.58	4.51	4.65
Aroclor-1016-4	(4)	4.67	4.67	4.67	4.67	4.66	4.67	4.60	4.74
Aroclor-1016-5	(5)	4.95	4.95	4.95	4.95	4.95	4.95	4.88	5.02
Aroclor-1260-1	(1)	6.04	6.04	6.04	6.04	6.04	6.04	5.97	6.11
Aroclor-1260-2	(2)	6.30	6.30	6.30	6.30	6.30	6.30	6.23	6.37
Aroclor-1260-3	(3)	6.65	6.65	6.65	6.65	6.65	6.65	6.58	6.72
Aroclor-1260-4	(4)	6.86	6.86	6.86	6.87	6.86	6.86	6.79	6.93
Aroclor-1260-5	(5)	7.17	7.17	7.17	7.17	7.17	7.17	7.10	7.24
DCB		8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63
TCX		3.42	3.42	3.42	3.42	3.42	3.42	3.37	3.47
Aroclor-1221-1	(1)	3.61	3.61	3.61	3.61	3.61	3.61	3.54	3.68
Aroclor-1221-2	(2)	3.69	3.69	3.69	3.69	3.69	3.69	3.62	3.76
Aroclor-1221-3	(3)	3.76	3.76	3.75	3.76	3.76	3.76	3.69	3.83
DCB		8.53	8.53	8.52	8.53	8.53	8.53	8.43	8.63
TCX		3.42	3.42	3.41	3.42	3.42	3.42	3.37	3.47
Aroclor-1232-1	(1)	3.76	3.76	3.76	3.76	3.76	3.76	3.69	3.83
Aroclor-1232-2	(2)	4.24	4.24	4.24	4.25	4.25	4.24	4.17	4.31
Aroclor-1232-3	(3)	4.52	4.52	4.52	4.52	4.52	4.52	4.45	4.59
Aroclor-1232-4	(4)	4.66	4.67	4.67	4.67	4.67	4.67	4.60	4.74
Aroclor-1232-5	(5)	4.76	4.76	4.76	4.76	4.76	4.76	4.69	4.83
DCB		8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63
TCX		3.42	3.42	3.42	3.42	3.42	3.42	3.37	3.47
Aroclor-1242-1	(1)	4.50	4.50	4.50	4.50	4.50	4.50	4.43	4.57
Aroclor-1242-2	(2)	4.52	4.52	4.52	4.52	4.52	4.52	4.45	4.59
Aroclor-1242-3	(3)	4.58	4.58	4.58	4.58	4.58	4.58	4.51	4.65
Aroclor-1242-4	(4)	4.67	4.67	4.67	4.67	4.67	4.67	4.60	4.74
Aroclor-1242-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.30	5.44
DCB		8.53	8.53	8.53	8.53	8.53	8.53	8.43	8.63
TCX		3.42	3.42	3.42	3.42	3.42	3.42	3.37	3.47
Aroclor-1248-1	(1)	4.50	4.50	4.50	4.50	4.50	4.50	4.43	4.57
Aroclor-1248-2	(2)	4.76	4.76	4.76	4.76	4.76	4.76	4.69	4.83
Aroclor-1248-3	(3)	4.95	4.95	4.95	4.95	4.95	4.95	4.88	5.02
Aroclor-1248-4	(4)	5.34	5.34	5.34	5.34	5.34	5.34	5.27	5.41
Aroclor-1248-5	(5)	5.37	5.37	5.37	5.37	5.37	5.37	5.30	5.44
DCB		8.53	8.53	8.53	8.52	8.53	8.53	8.43	8.63
TCX		3.42	3.42	3.41	3.41	3.42	3.42	3.37	3.47

RETENTION TIMES OF INITIAL CALIBRATION

Aroclor-1254-1	(1)	5.31	5.31	5.31	5.31	5.31	5.31	5.24	5.38
Aroclor-1254-2	(2)	5.53	5.53	5.53	5.53	5.53	5.53	5.46	5.60
Aroclor-1254-3	(3)	5.88	5.88	5.87	5.88	5.88	5.88	5.81	5.95
Aroclor-1254-4	(4)	6.16	6.16	6.16	6.16	6.16	6.16	6.09	6.23
Aroclor-1254-5	(5)	6.56	6.57	6.56	6.56	6.57	6.56	6.49	6.63
DCB		8.53	8.53	8.53	8.52	8.53	8.53	8.43	8.63
TCX		3.41	3.42	3.41	3.42	3.42	3.42	3.37	3.47
Aroclor-1262-1	(1)	6.86	6.86	6.86	6.86	6.86	6.86	6.79	6.93
Aroclor-1262-2	(2)	7.17	7.17	7.17	7.17	7.17	7.17	7.10	7.24
Aroclor-1262-3	(3)	7.44	7.44	7.44	7.44	7.44	7.44	7.37	7.51
Aroclor-1262-4	(4)	7.51	7.52	7.52	7.51	7.52	7.51	7.44	7.58
Aroclor-1262-5	(5)	8.01	8.01	8.01	8.01	8.01	8.01	7.94	8.08
DCB		8.52	8.52	8.52	8.52	8.52	8.52	8.42	8.62
TCX		3.41	3.42	3.42	3.41	3.41	3.41	3.36	3.46
Aroclor-1268-1	(1)	7.44	7.44	7.44	7.44	7.44	7.44	7.37	7.51
Aroclor-1268-2	(2)	7.52	7.52	7.52	7.52	7.52	7.52	7.45	7.59
Aroclor-1268-3	(3)	7.70	7.70	7.70	7.70	7.70	7.70	7.63	7.77
Aroclor-1268-4	(4)	8.01	8.01	8.01	8.01	8.01	8.01	7.94	8.08
Aroclor-1268-5	(5)	8.30	8.30	8.29	8.30	8.30	8.30	8.23	8.37
DCB		8.53	8.52	8.52	8.52	8.52	8.52	8.42	8.62
TCX		3.42	3.42	3.42	3.42	3.41	3.42	3.37	3.47

Calibration Times: 15:58 02:03

ID: 0.32 (mm)

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** Q1328 **SAS No.:** Q1328 **SDG NO.:** Q1328
Instrument ID: ECD_Q
Calibration Date(s): 02/03/2025 02/04/2025
Calibration Times: 15:58 02:03
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PQ069913.D</u>		CF 200 = <u>PQ069914.D</u>			
CF 400 = <u>PQ069915.D</u>		CF 800 = <u>PQ069916.D</u>		CF 1600 = <u>PQ069917.D</u>			
COMPOUND		CF 100	CF 200	CF 400	CF 800	CF 1600	% RSD
Aroclor-1016-1	(1)	271606500	270574675	250632798	229054065	210272130	246428034
Aroclor-1016-2	(2)	445353490	428091890	404332660	378159068	349428676	401073157
Aroclor-1016-3	(3)	281323080	274224900	259652368	239036999	217207499	254288969
Aroclor-1016-4	(4)	221911780	220286450	212666318	194439145	178450494	205550837
Aroclor-1016-5	(5)	221770000	218790645	206712253	190832095	172575796	202136158
Aroclor-1260-1	(1)	378485350	368369415	351032245	328891693	304858047	346327350
Aroclor-1260-2	(2)	429835990	421242425	396753190	373288734	350103074	394244683
Aroclor-1260-3	(3)	332077640	329263555	310718330	294656145	273184074	307979949
Aroclor-1260-4	(4)	358687440	357759785	338447503	320689974	298164513	334749843
Aroclor-1260-5	(5)	662330050	651616050	626943405	603974645	576470143	624266859
DCB		3935674500	4026976800	3884631500	3676564163	3441750475	3793119488
TCX		9692263800	9598458500	9034124400	8518403400	7923077488	8953265518
Aroclor-1221-1	(1)	120357340	115123185	109486753	102752645	91177253	107779435
Aroclor-1221-2	(2)	81436930	77715400	76358748	70678803	62775816	73793139
Aroclor-1221-3	(3)	275291120	258922015	242493113	221341225	194783908	238566276
DCB		4271627400	4241929500	4047549050	3831349388	3536440056	3985779079
TCX		10747466800	10512067500	9786213550	9251789825	8457182588	9750944053
Aroclor-1232-1	(1)	223886600	210893905	199706615	180764096	159989011	195048046
Aroclor-1232-2	(2)	127404120	117549900	112347003	102533443	91743905	110315674
Aroclor-1232-3	(3)	235322160	220173130	209726840	190405881	171962859	205518174
Aroclor-1232-4	(4)	116516750	110103145	107223218	98421726	88426858	104138339
Aroclor-1232-5	(5)	76934550	73743115	70689930	66041594	59281373	69338112
DCB		4588572700	4348804700	4201619550	3935964500	3641771525	4143346595
TCX		11357615600	10604738200	10041512100	9356802525	8573252463	9986784178
Aroclor-1242-1	(1)	281788320	259251810	239431840	213517851	193893189	237576602
Aroclor-1242-2	(2)	443744510	410831605	374175203	345649493	311037552	377087672
Aroclor-1242-3	(3)	279499460	259992390	242147373	220409761	196750843	239759965
Aroclor-1242-4	(4)	228407870	212710650	197325860	179744138	161464304	195930564
Aroclor-1242-5	(5)	224604220	214314895	200111220	185755153	167427650	198442628
DCB		4783067700	4529712000	4280179375	3967556575	3658873144	4243877759
TCX		11789614600	10841787000	10136050700	9367204600	8565823413	10140096063
Aroclor-1248-1	(1)	214104730	197158195	184204550	169648699	151730565	183369348
Aroclor-1248-2	(2)	300047930	278282450	260968005	237106253	211462498	257573427
Aroclor-1248-3	(3)	359992980	333179110	315175805	288580408	257565924	310898845

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1248-4	(4)	375411920	348140575	333707073	307003143	277280423	328308627	12
Aroclor-1248-5	(5)	387160620	354245755	339963790	316399248	284610944	336476071	12
DCB		4671630300	4504056500	4381826575	4114943563	3755340013	4285559390	8
TCX		11583912800	10554028800	9993402750	9364285075	8548315975	10008789080	12
Aroclor-1254-1	(1)	422540750	392394180	351729993	322234801	288970331	355574011	15
Aroclor-1254-2	(2)	630368670	581844760	534919293	492278184	442476539	536377489	14
Aroclor-1254-3	(3)	640615320	597397575	555018803	516873444	470555361	556092101	12
Aroclor-1254-4	(4)	420917460	391617505	371817358	343431669	314523358	368461470	11
Aroclor-1254-5	(5)	476300940	438297430	418461580	390684681	358692458	416487418	11
DCB		4782321300	4652703600	4364459050	4102458525	3769070019	4334202499	9
TCX		11643817800	11026044300	10102224800	9399455700	8559802450	10146269010	12
Aroclor-1262-1	(1)	557574890	526814040	486428013	449980880	397548298	483669224	13
Aroclor-1262-2	(2)	934094430	868002510	812066305	757579824	686048074	811558229	12
Aroclor-1262-3	(3)	619556490	580716500	541201400	506076613	447155775	538941356	12
Aroclor-1262-4	(4)	493806610	478944940	445376533	411927875	364049556	438821103	12
Aroclor-1262-5	(5)	272713560	263643040	246755825	227217515	202346678	242535324	12
DCB		4998017300	4822797750	4468379825	4115803925	3655623706	4412124501	12
TCX		11921797400	10988266600	10267157750	9415594400	8286565413	10175876313	14
Aroclor-1268-1	(1)	1056872070	988425465	938703683	909566640	847404415	948194455	8
Aroclor-1268-2	(2)	967374730	917037465	871293770	846094394	780769493	876513970	8
Aroclor-1268-3	(3)	804046260	770344475	727130220	707026886	649000940	731509756	8
Aroclor-1268-4	(4)	291074930	287785880	271371003	262309058	243930617	271294297	7
Aroclor-1268-5	(5)	2091559810	2027891200	1943146315	1924082309	1822025666	1961741060	5
DCB		9230131500	8736662800	8280507125	8027720125	7387881819	8332580674	8
TCX		12028360800	11069494800	10301168950	9701736675	8799829275	10380118100	12

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: CHEM02
Lab Code: CHEM **Case No.:** Q1328 **SAS No.:** Q1328 **SDG NO.:** Q1328
Instrument ID: ECD_Q
Calibration Date(s): 02/03/2025 02/04/2025
Calibration Times: 15:58 02:03
GC Column: ZB-MR2 **ID:** 0.32 (mm)

LAB FILE ID:		CF 100 = <u>PQ069913.D</u>		CF 200 = <u>PQ069914.D</u>			
CF 400 = <u>PQ069915.D</u>		CF 800 = <u>PQ069916.D</u>		CF 1600 = <u>PQ069917.D</u>			
COMPOUND		CF 100	CF 200	CF 400	CF 800	CF 1600	% RSD
Aroclor-1016-1	(1)	275848450	263461965	243029115	220990239	203977004	241461355
Aroclor-1016-2	(2)	420109660	408407930	373324795	342779555	316839068	372292202
Aroclor-1016-3	(3)	234221810	232745975	212560053	190408315	175776796	209142590
Aroclor-1016-4	(4)	210122960	206401140	187295700	165225503	149357068	183680474
Aroclor-1016-5	(5)	249163480	246650640	223918675	200384399	183093465	220642132
Aroclor-1260-1	(1)	458307270	437660055	397420748	370795139	340730693	400982781
Aroclor-1260-2	(2)	546790120	521264080	457218380	444659135	408748455	475736034
Aroclor-1260-3	(3)	502174420	488012390	429374853	419851139	390243082	445931177
Aroclor-1260-4	(4)	448917530	428451690	355295355	370716938	342804802	389237263
Aroclor-1260-5	(5)	934199170	927799445	819865373	843023554	801312220	865239952
DCB		6845395700	6451894950	6098647650	5646021625	5322417575	6072875500
TCX		8744316000	8572605600	7941633700	7456542175	6937003013	7930420098
Aroclor-1221-1	(1)	115144670	107188360	99499128	91672313	80585744	98818043
Aroclor-1221-2	(2)	81254040	74362395	69359793	64903543	57111072	69398168
Aroclor-1221-3	(3)	257823470	243396765	217633305	199650709	175700125	218840875
DCB		7081041600	6658453400	6178367100	5724556313	5306410788	6189765840
TCX		8994255600	8399025900	7828325900	7441291000	6855524288	7903684538
Aroclor-1232-1	(1)	209812650	192130300	178229880	159860691	141198966	176246497
Aroclor-1232-2	(2)	209780190	190161070	180283185	165332225	149191008	178949536
Aroclor-1232-3	(3)	114421180	102736625	97350420	90660713	81969719	97427731
Aroclor-1232-4	(4)	98019210	87851025	85314573	77461866	68948058	83518946
Aroclor-1232-5	(5)	109859080	108200635	98742078	86557126	77716306	96215045
DCB		7304534100	6671154200	6230286175	5853291113	5403644406	6292581999
TCX		8922724200	8509143300	8092274250	7508287925	6953911163	7997268168
Aroclor-1242-1	(1)	250672580	226309420	210486520	189298521	171148976	209583204
Aroclor-1242-2	(2)	370129300	337306345	320973175	289380631	263106124	316179115
Aroclor-1242-3	(3)	205287310	186708965	182639888	163584071	145888873	176821821
Aroclor-1242-4	(4)	195027450	175914975	172119230	151773628	134694595	165905976
Aroclor-1242-5	(5)	249206340	226893740	212341808	190861456	171090341	210078737
DCB		7392644600	6883841450	6291655450	5822918175	5303917281	6338995391
TCX		9212542400	8571664200	8155300800	7578705625	6968935175	8097429640
Aroclor-1248-1	(1)	190259400	172561020	162617360	146742595	132159572	160867989
Aroclor-1248-2	(2)	299003820	272102825	248878498	223976981	200812406	248954906
Aroclor-1248-3	(3)	288400130	263725375	241425898	217340756	195638537	241306139

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1248-4	(4)	353040240	320211260	293835993	266717244	241458606	295052669	15
Aroclor-1248-5	(5)	327263430	302861580	281266013	258993413	236896208	281456129	13
DCB		7325201000	6806101450	6328512475	5882708238	5417432669	6351991166	12
TCX		9267147200	8783367500	8349827200	7854971000	7195550400	8290172660	10
Aroclor-1254-1	(1)	519930480	477247980	436280708	400834495	361257768	439110286	14
Aroclor-1254-2	(2)	463905310	422999845	384172090	351589334	315632413	387659798	15
Aroclor-1254-3	(3)	712493690	666626225	612915985	570781528	518235735	616210633	12
Aroclor-1254-4	(4)	420029200	396008920	363831958	333420034	306116818	363881386	13
Aroclor-1254-5	(5)	604757170	595803385	558359280	512781030	468763614	548092896	10
DCB		7432634700	6867593550	6345222250	5912414563	5419766956	6395526404	12
TCX		9525746000	8920523300	8377977450	7802441175	7139897125	8353317010	11
Aroclor-1262-1	(1)	679946180	629878255	574894583	531367716	467288220	576674991	14
Aroclor-1262-2	(2)	637758230	585050855	534532778	494994758	432805409	537028406	15
Aroclor-1262-3	(3)	500714840	448398065	419677513	385082589	344085451	419591691	14
Aroclor-1262-4	(4)	896290280	809722540	768810088	710633769	640255504	765142436	13
Aroclor-1262-5	(5)	405490090	370606075	349415165	320806109	289135784	347090645	13
DCB		7519248000	6873158600	6348940675	5845342963	5183113188	6353960685	14
TCX		9618072800	8775553900	8214928500	7727812325	6837944513	8234862408	13
Aroclor-1268-1	(1)	1348335260	1251189895	1163929743	1123159351	1050453926	1187413635	10
Aroclor-1268-2	(2)	1252257320	1167107490	1086762805	1051722841	985200383	1108610168	9
Aroclor-1268-3	(3)	1072687470	1005208775	937040393	904444531	846378193	953151872	9
Aroclor-1268-4	(4)	441932740	420113890	392711890	375513606	351031315	396260688	9
Aroclor-1268-5	(5)	2901428160	2777167580	2684508195	2647977666	2553134355	2712843191	5
DCB		13364183400	12391419200	11666797400	11173710163	10502521744	11819726381	9
TCX		9518634000	8775167900	8155503000	7822424000	7130588475	8280463475	11



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Instrument ID: _____ Date(s) Analyzed: _____

GC Column: _____ ID: _____ (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
		1				
		2				
		3				
		4				
		5				

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069913.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 15:58
 Operator : YP\AJ
 Sample : AR1660ICC100
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16601016

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:00:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	48461319	43721580	5.413	5.513
2) SA Decachlor...	8.527	7.561	39356745	68453957	10.376	11.272
Target Compounds						
3) L1 AR-1016-1	4.500	3.789	27160650	27584845	110.217	114.241
4) L1 AR-1016-2	4.518	3.805	44535349	42010966	111.040	112.844
5) L1 AR-1016-3	4.576	3.966	28132308	23422181	110.631	111.991
6) L1 AR-1016-4	4.666	4.014	22191178	21012296	107.960	114.396
7) L1 AR-1016-5	4.951	4.210	22177000	24916348	109.713	112.927
31) L7 AR-1260-1	6.042	5.205	37848535	45830727	109.285	114.296
32) L7 AR-1260-2	6.298	5.394	42983599	54679012	109.028	114.936
33) L7 AR-1260-3	6.650	5.536	33207764	50217442	107.824	112.613
34) L7 AR-1260-4	6.864	5.998	35868744	44891753	107.151	115.333
35) L7 AR-1260-5	7.170	6.243	66233005	93419917	106.097	107.970

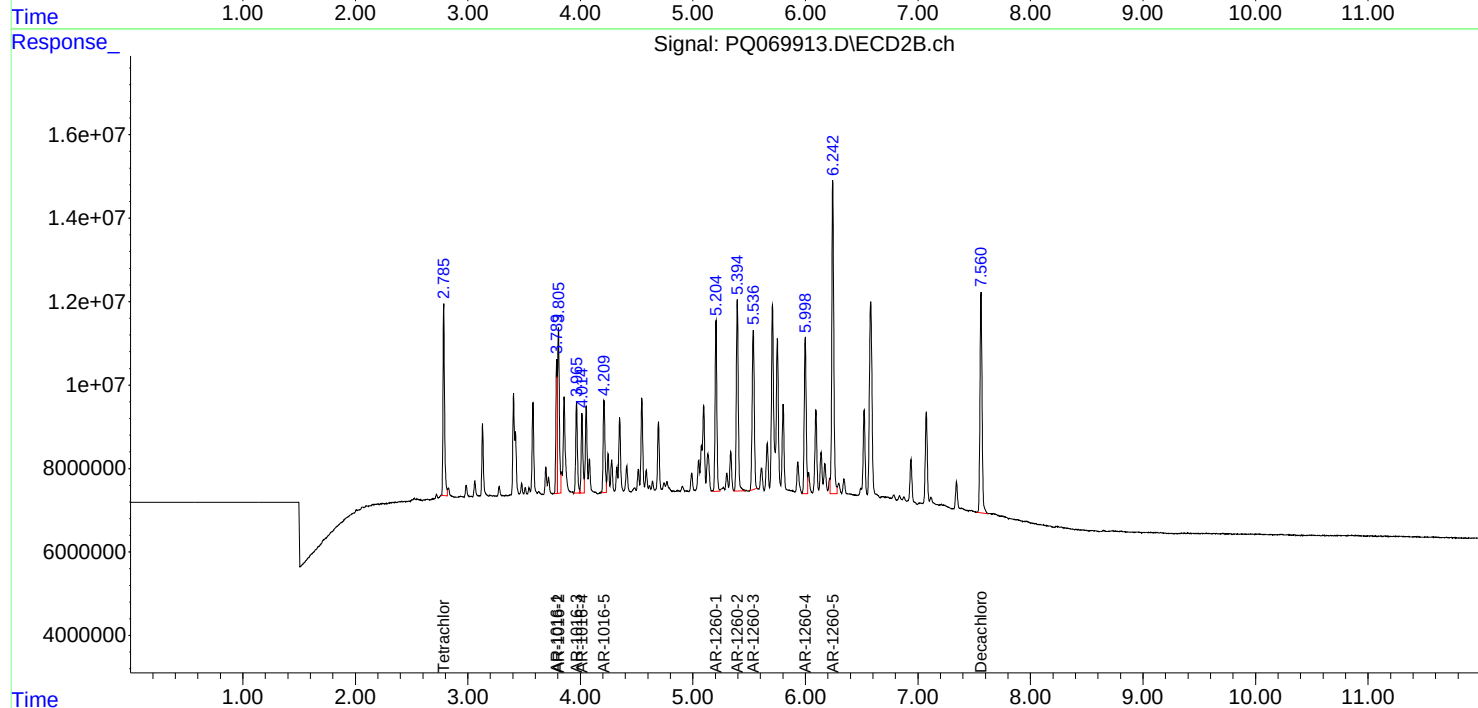
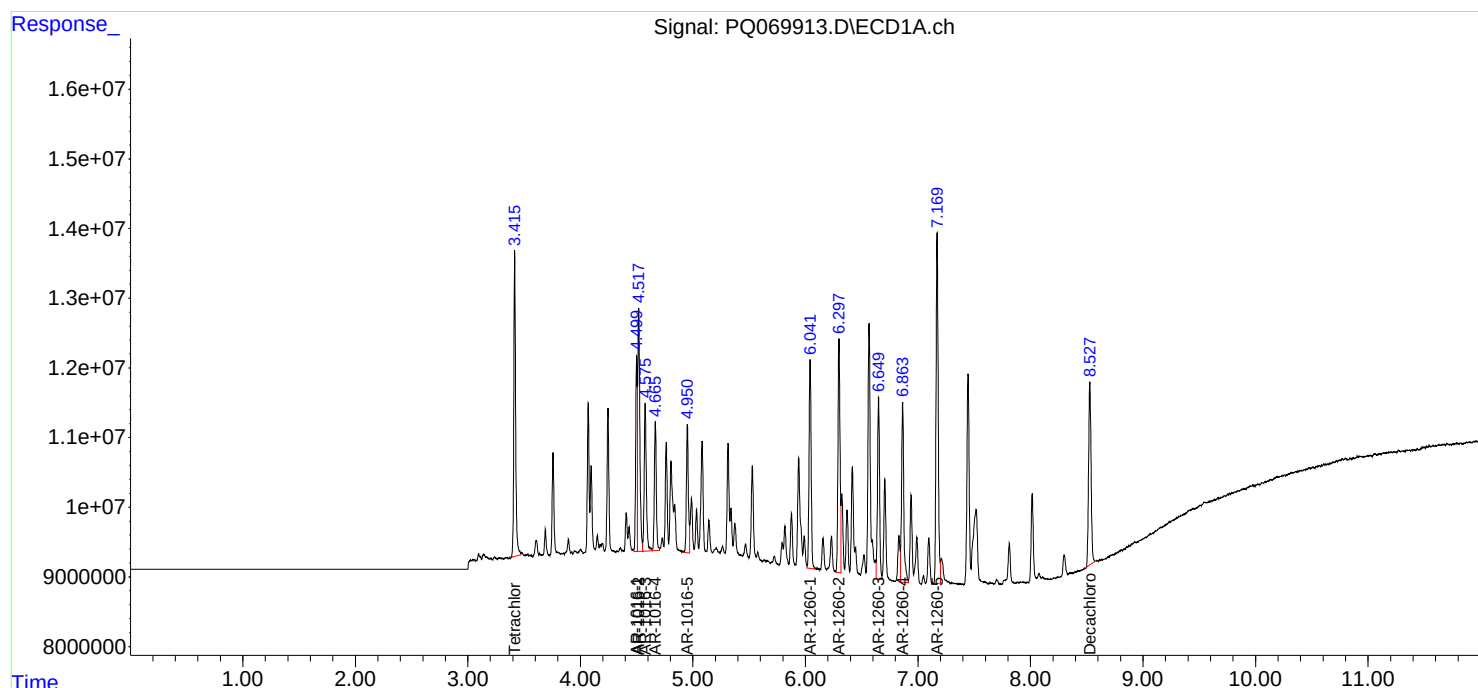
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069913.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:58
Operator : YP\AJ
Sample : AR1660ICC100
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR16601016

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:00:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069914.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 16:14
 Operator : YP\AJ
 Sample : AR1660ICC200
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16602017

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 11:57:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	95984585	85726056	10.947	11.094
2) SA Decachlor...	8.527	7.559	80539536	129.0E6	21.434	21.946
Target Compounds						
3) L1 AR-1016-1	4.499	3.789	54114935	52692393	225.354	226.279
4) L1 AR-1016-2	4.518	3.805	85618378	81681586	219.533	226.681
5) L1 AR-1016-3	4.576	3.966	54844980	46549195	221.569	229.450
6) L1 AR-1016-4	4.666	4.014	44057290	41280228	218.689	233.130
7) L1 AR-1016-5	4.950	4.210	43758129	49330128	221.866	231.042
31) L7 AR-1260-1	6.041	5.205	73673883	87532011	217.785	226.385
32) L7 AR-1260-2	6.298	5.394	84248485	104.3E6	218.630	227.640
33) L7 AR-1260-3	6.650	5.536	65852711	97602478	218.087	225.999
34) L7 AR-1260-4	6.863	5.998	71551957	85690338	217.638	228.924
35) L7 AR-1260-5	7.170	6.243	130.3E6	185.6E6	211.993	218.821

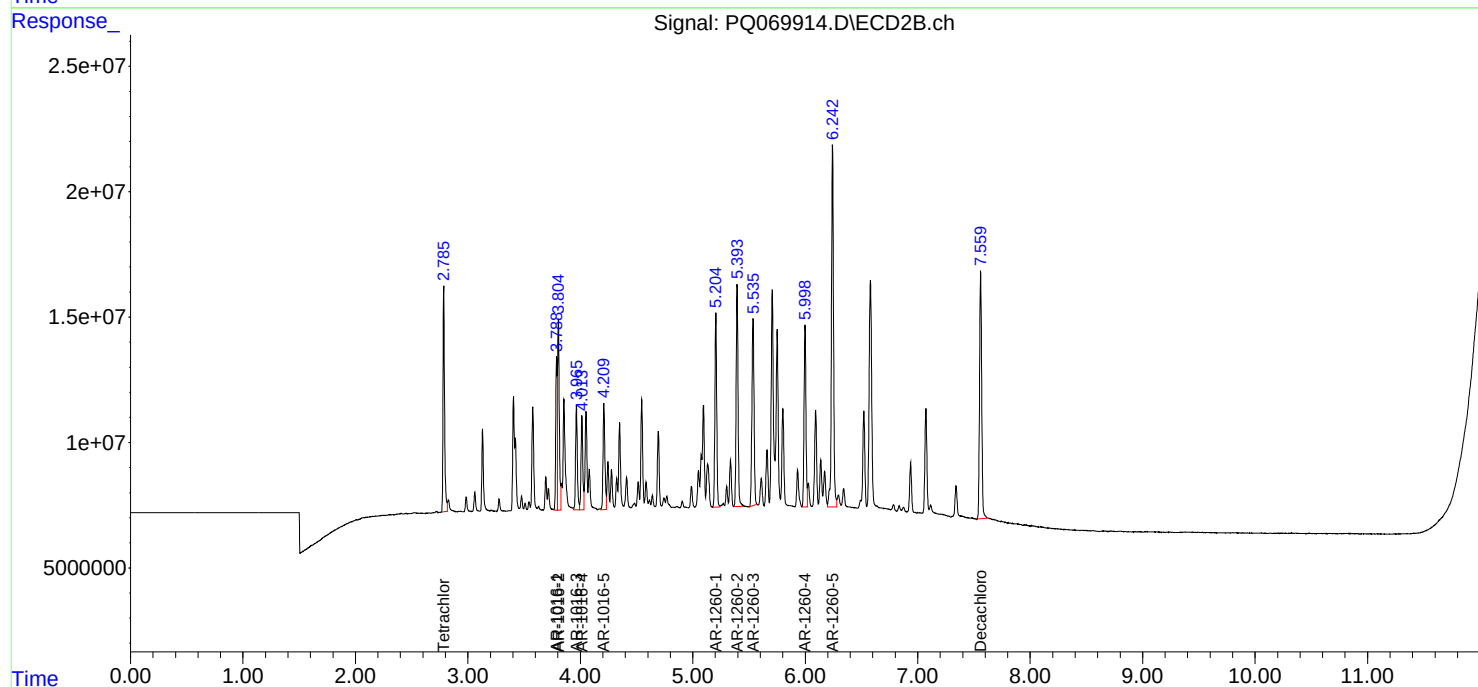
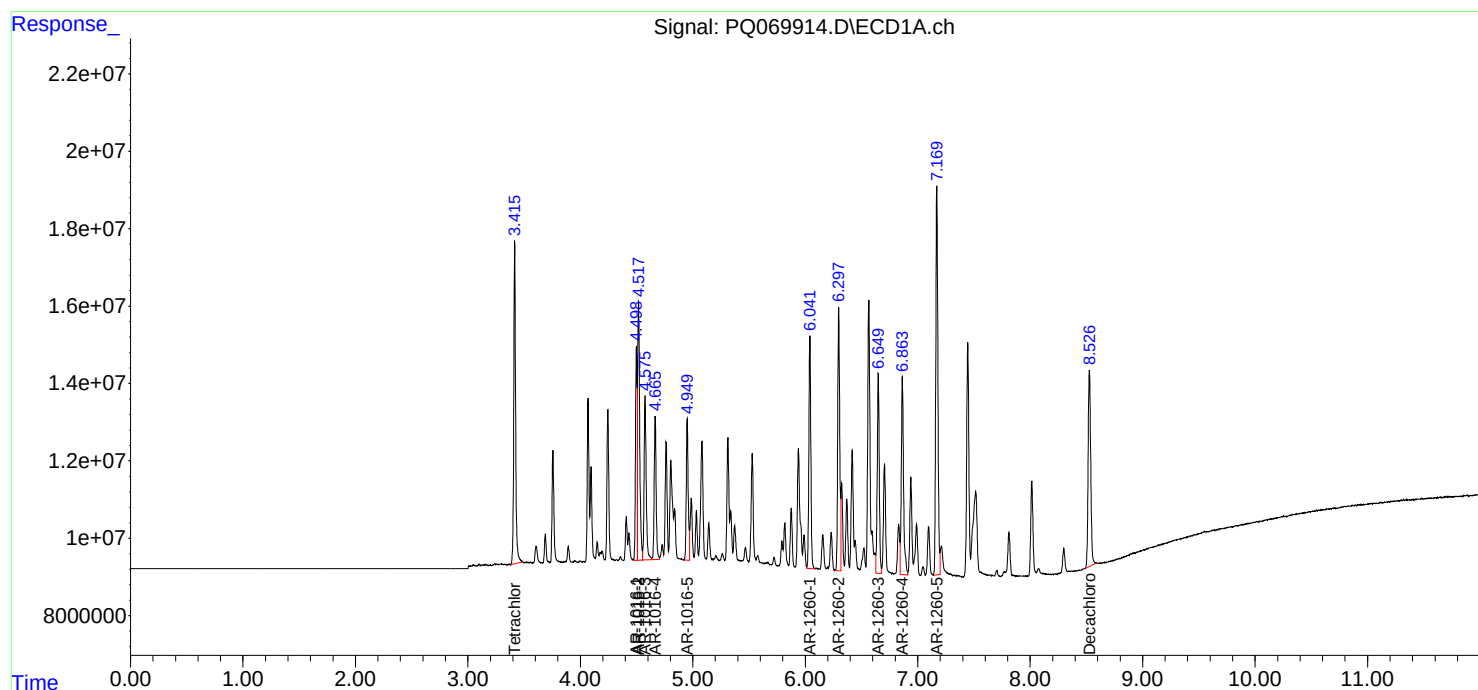
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069914.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:14
Operator : YP\AJ
Sample : AR1660ICC200
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR16602017

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 11:57:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069915.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 16:30
 Operator : YP\AJ
 Sample : AR1660ICC400
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR16603018

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 11:50:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	180.7E6	158.8E6	20.000	20.000
2) SA Decachlor...	8.527	7.559	155.4E6	243.9E6	40.000	40.000
Target Compounds						
3) L1 AR-1016-1	4.500	3.789	100.3E6	97211646	400.000	400.000
4) L1 AR-1016-2	4.518	3.805	161.7E6	149.3E6	400.000	400.000
5) L1 AR-1016-3	4.576	3.966	103.9E6	85024021	400.000	400.000
6) L1 AR-1016-4	4.665	4.014	85066527	74918280	400.000	400.000
7) L1 AR-1016-5	4.950	4.210	82684901	89567470	400.000	400.000
31) L7 AR-1260-1	6.042	5.206	140.4E6	159.0E6	400.000	400.000
32) L7 AR-1260-2	6.298	5.394	158.7E6	182.9E6	400.000	400.000
33) L7 AR-1260-3	6.649	5.536	124.3E6	171.7E6	400.000	400.000
34) L7 AR-1260-4	6.864	5.998	135.4E6	142.1E6	400.000	403.326m
35) L7 AR-1260-5	7.171	6.243	250.8E6	327.9E6	400.000	398.273m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:30
Operator : YP\AJ
Sample : AR1660ICC400
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR16603018

Manual Integrations

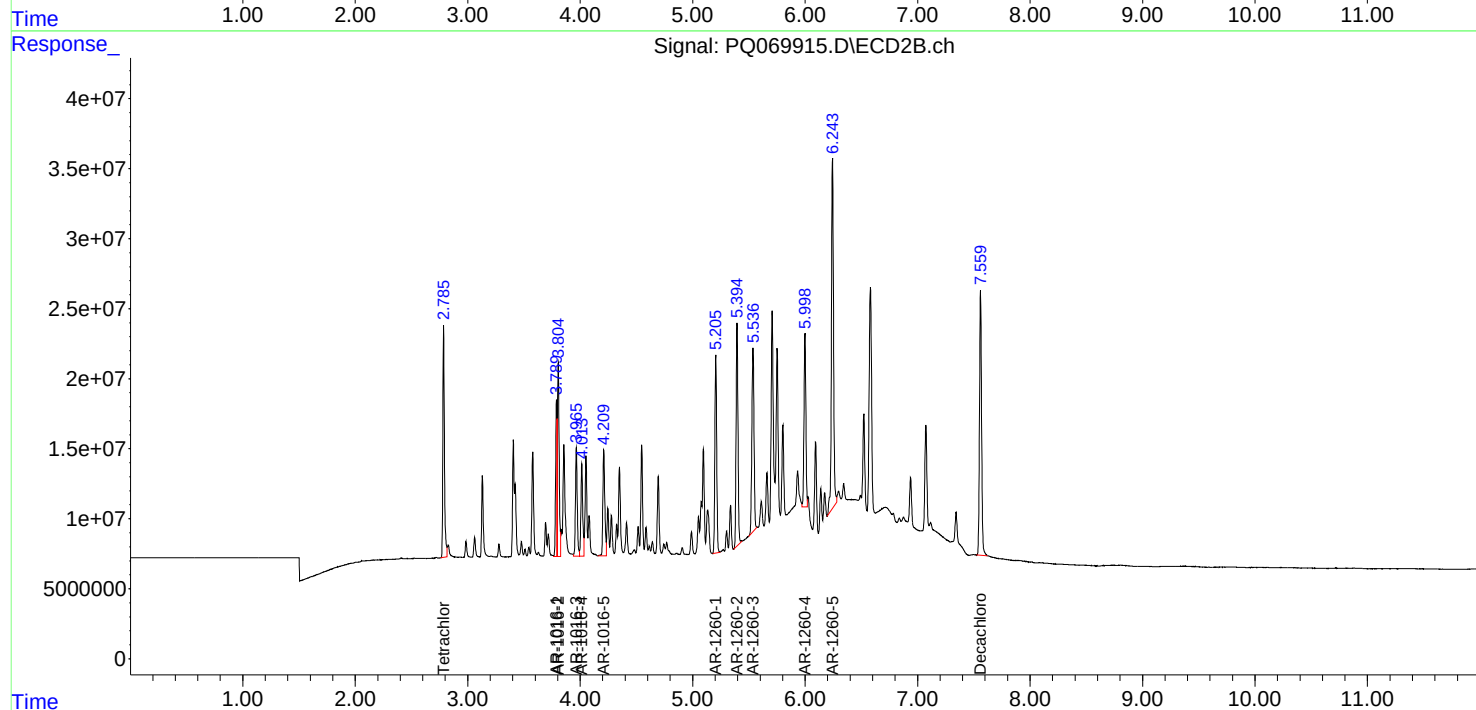
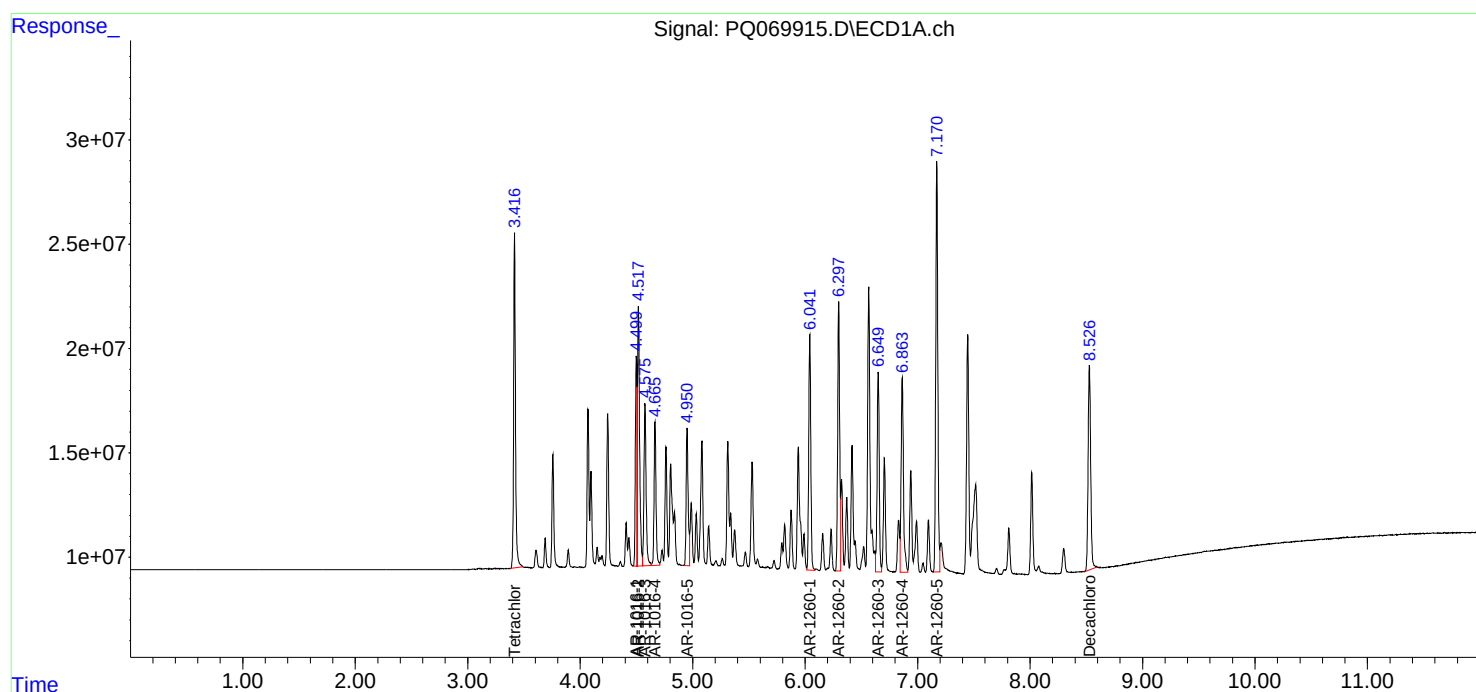
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 11:50:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069915.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:30
Operator : YP\AJ
Sample : AR1660ICC400
Misc :
ALS Vial : 5 Sample Multiplier: 1

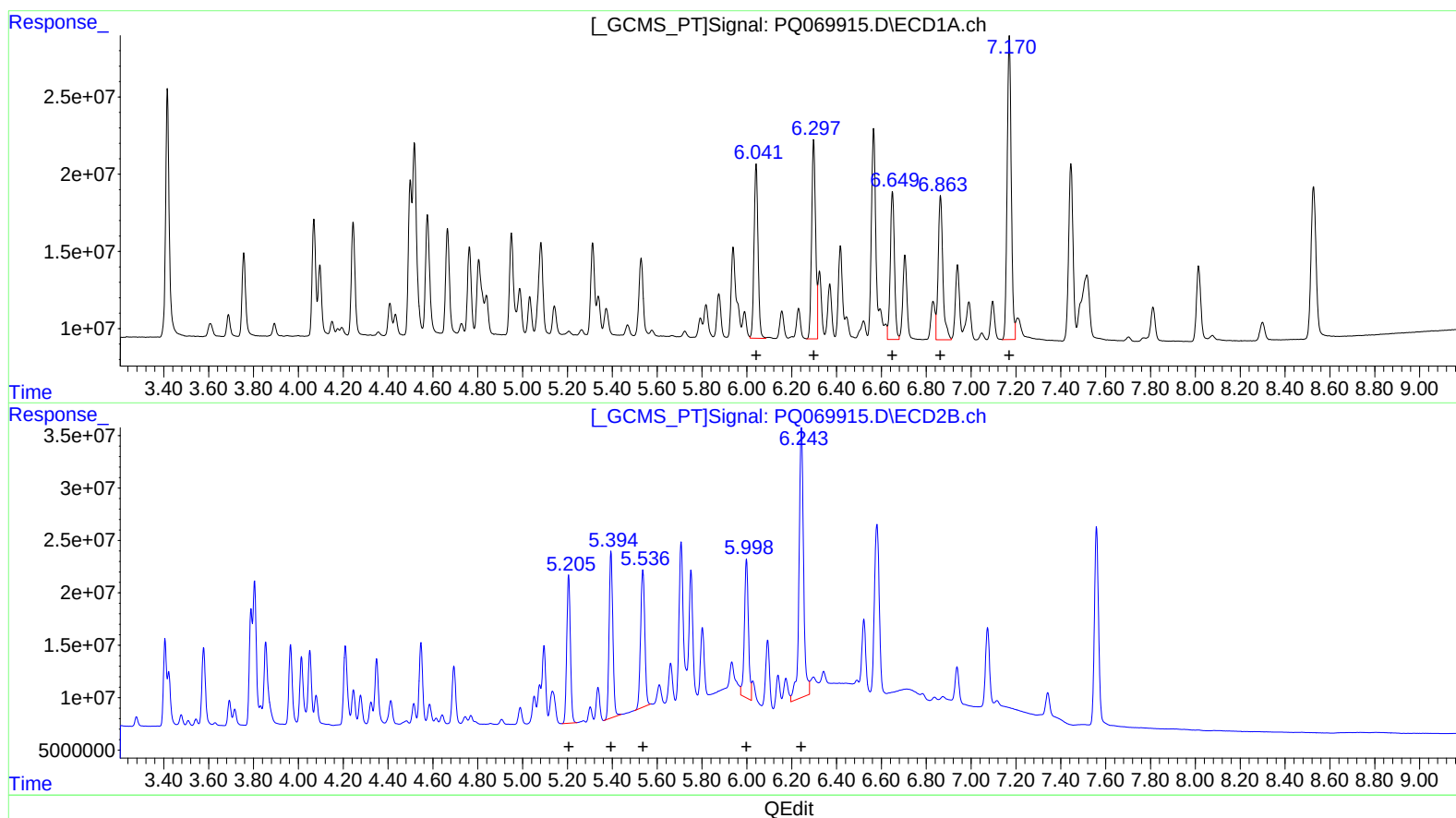
Instrument :
ECD_Q
LabSampleId :
AR1660ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 11:50:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(31) AR-1260-1 (L7)
R.T. Response Conc
6.04 140412898 400.00
6.30 158701276 400.00
6.65 124287332 400.00
6.86 135379001 400.00
7.17 250777362 400.00

(31) AR-1260-1 #2 (L7)
R.T. Response Conc
5.21 158968299 400.00
5.39 182887352 400.00
5.54 171749941 400.00
6.00 165793493 470.52
6.24 363613417 441.59

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069915.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 16:30
 Operator : YP\AJ
 Sample : AR1660ICC400
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

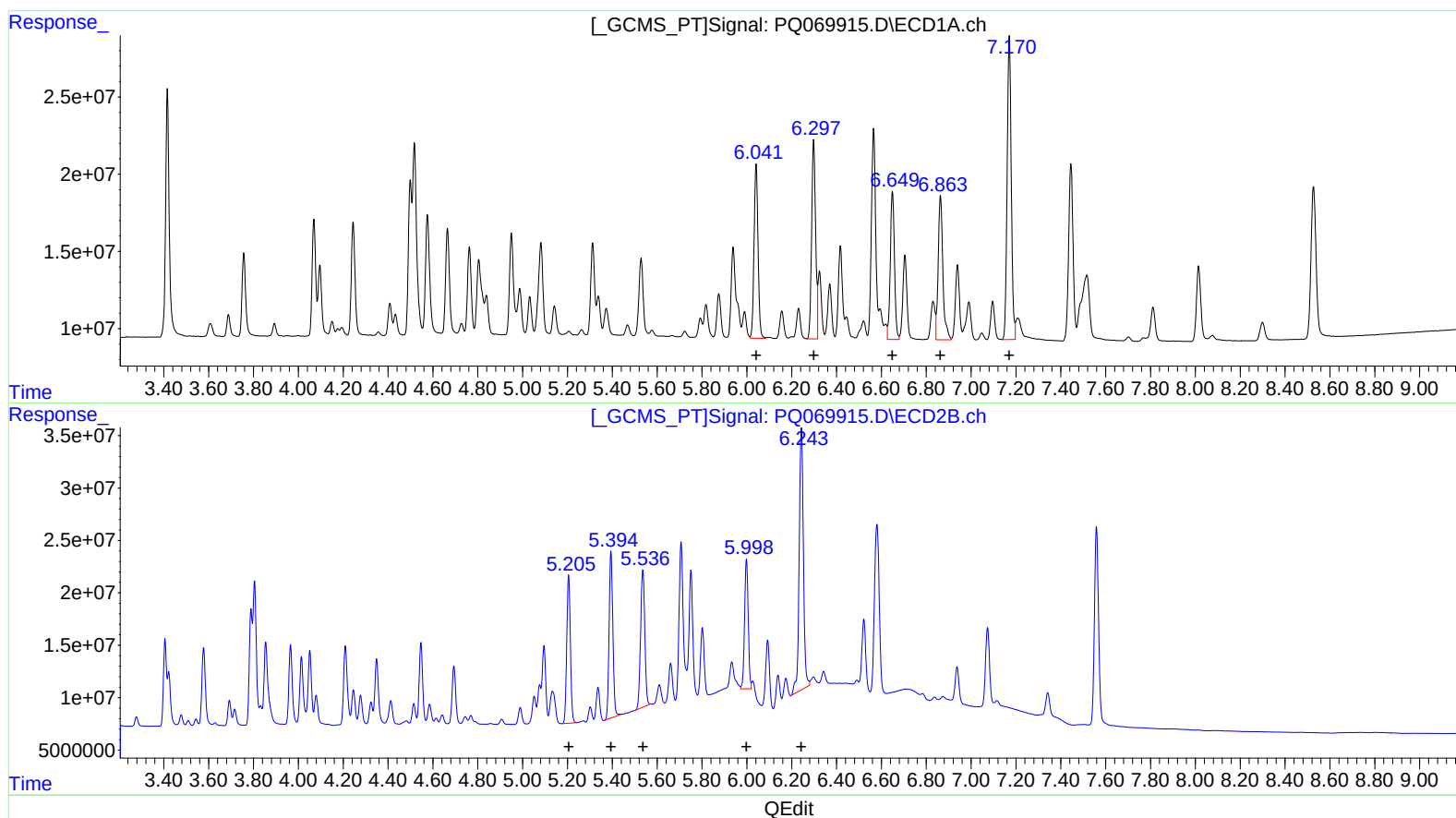
Instrument :
 ECD_Q
 LabSampleId :
 AR1660ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 11:50:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(31) AR-1260-1 (L7)
 R.T. Response Conc
 6.04 140412898 400.00
 6.30 158701276 400.00
 6.65 124287332 400.00
 6.86 135379001 400.00
 7.17 250777362 400.00

(31) AR-1260-1 #2 (L7)
 R.T. Response Conc
 5.21 158968299 400.00
 5.39 182887352 400.00
 5.54 171749941 400.00
 6.00 142118142 403.33
 6.24 327946149 398.27

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069916.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 16:45
 Operator : YP\AJ
 Sample : AR1660ICC800
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16604019

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 11:55:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	340.7E6	298.3E6	40.125	40.062
2) SA Decachlor...	8.528	7.560	294.1E6	451.7E6	80.194	79.395
Target Compounds						
3) L1 AR-1016-1	4.499	3.789	183.2E6	176.8E6	796.757	793.981
4) L1 AR-1016-2	4.517	3.805	302.5E6	274.2E6	801.807	796.434
5) L1 AR-1016-3	4.576	3.966	191.2E6	152.3E6	801.357	789.605
6) L1 AR-1016-4	4.666	4.014	155.6E6	132.2E6	796.942	790.114
7) L1 AR-1016-5	4.951	4.210	152.7E6	160.3E6	803.334	791.777
31) L7 AR-1260-1	6.042	5.206	263.1E6	296.6E6	801.538	802.481
32) L7 AR-1260-2	6.298	5.394	298.6E6	355.7E6	799.801	814.254
33) L7 AR-1260-3	6.650	5.536	235.7E6	335.9E6	804.926	812.963
34) L7 AR-1260-4	6.866	5.999	256.6E6	296.6E6	803.984	832.435
35) L7 AR-1260-5	7.171	6.243	483.2E6	674.4E6	802.008	821.060

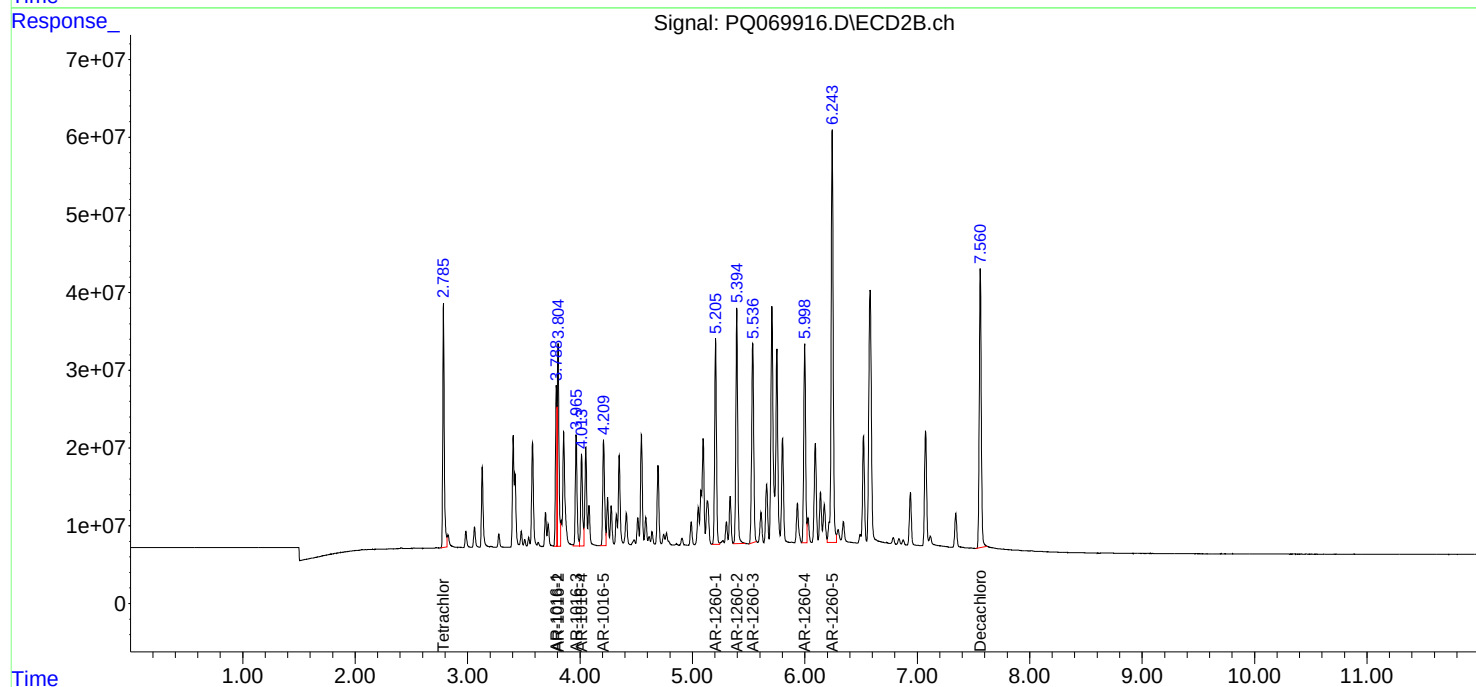
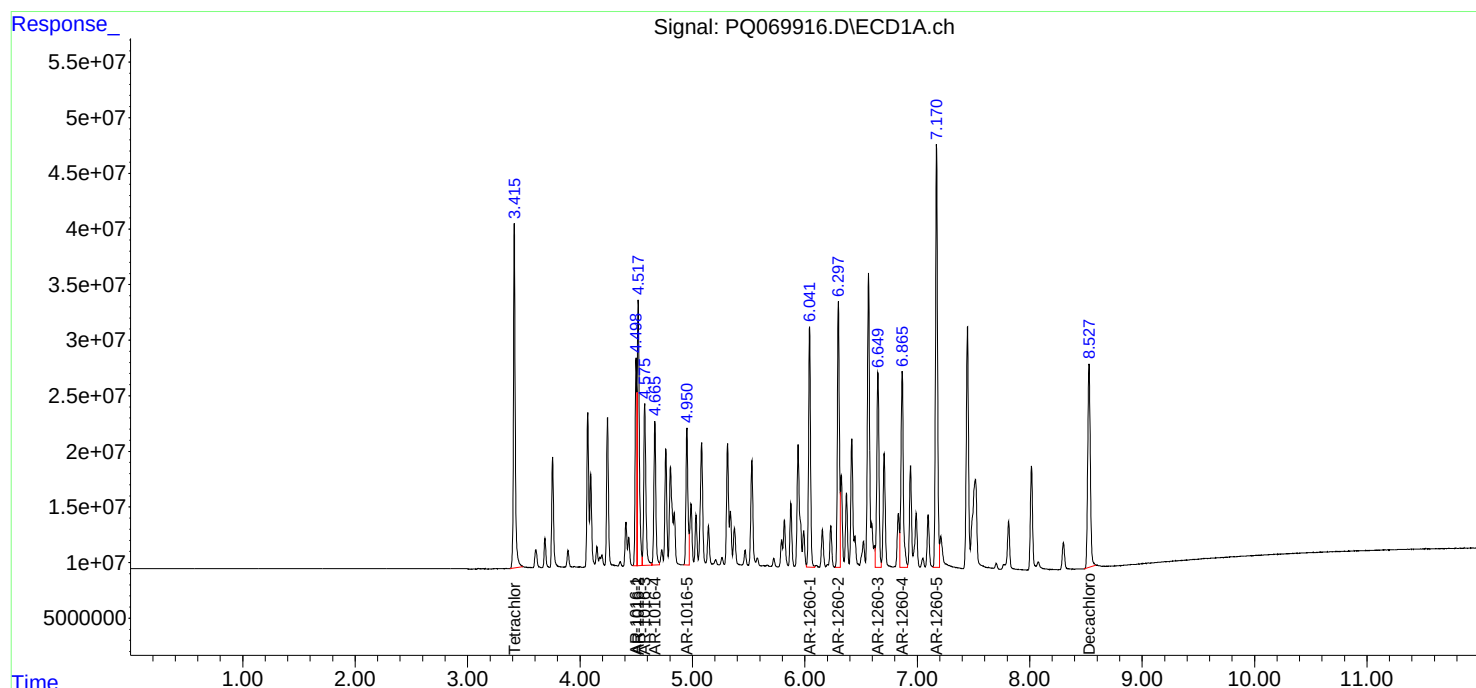
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069916.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 16:45
Operator : YP\AJ
Sample : AR1660ICC800
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR16604019

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 11:55:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069917.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 17:01
 Operator : YP\AJ
 Sample : AR1660ICC1600
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16605020

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 11:53:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 11:48:42 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	633.8E6	555.0E6	74.758	74.598
2) SA Decachlor...	8.526	7.560	550.7E6	851.6E6	150.328	149.126
Target Compounds						
3) L1 AR-1016-1	4.498	3.789	336.4E6	326.4E6	1459.891	1460.218
4) L1 AR-1016-2	4.516	3.805	559.1E6	506.9E6	1483.456	1469.050
5) L1 AR-1016-3	4.575	3.966	347.5E6	281.2E6	1457.585	1448.448
6) L1 AR-1016-4	4.664	4.014	285.5E6	239.0E6	1460.028	1419.690
7) L1 AR-1016-5	4.949	4.210	276.1E6	292.9E6	1455.998	1439.513
31) L7 AR-1260-1	6.040	5.205	487.8E6	545.2E6	1487.361	1477.120
32) L7 AR-1260-2	6.298	5.394	560.2E6	654.0E6	1500.061	1510.445
33) L7 AR-1260-3	6.649	5.536	437.1E6	624.4E6	1497.149	1523.610
34) L7 AR-1260-4	6.864	5.998	477.1E6	548.5E6	1498.757	1571.372
35) L7 AR-1260-5	7.169	6.242	922.4E6	1282.1E6	1532.893	1581.689

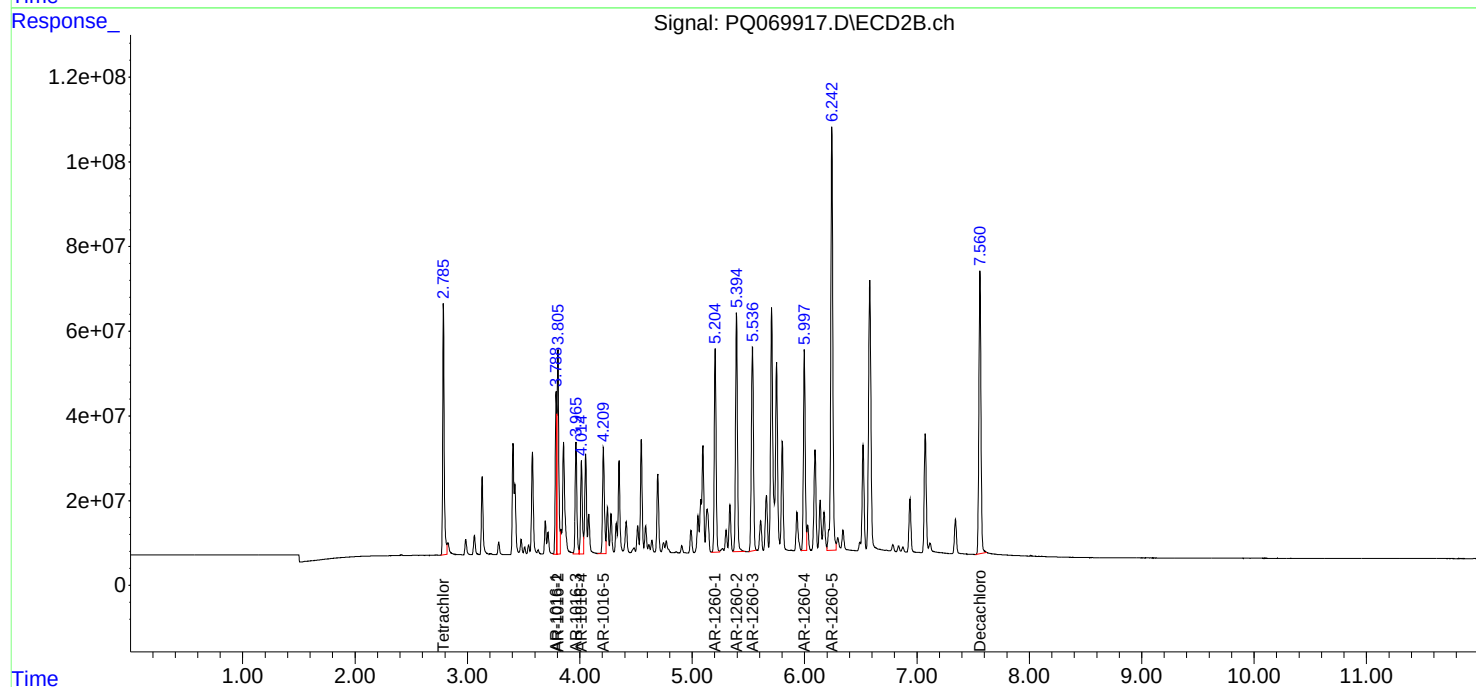
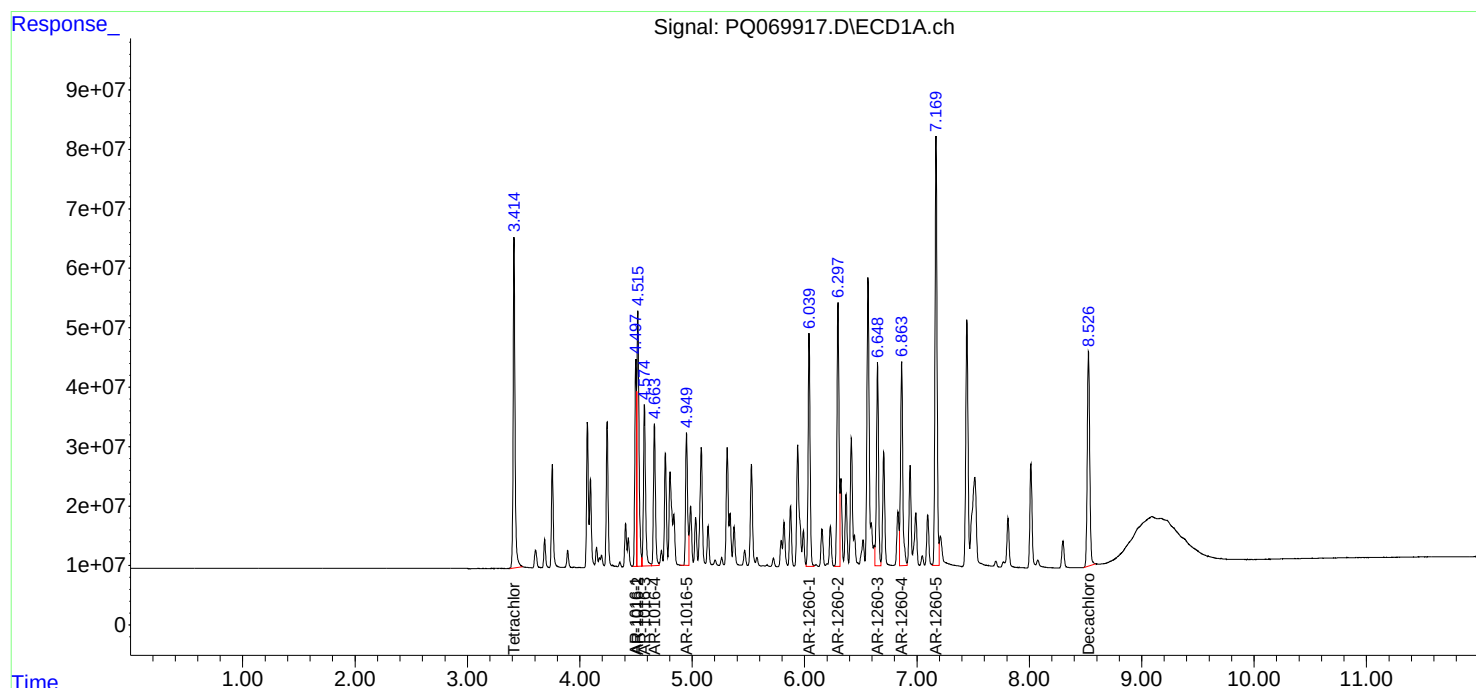
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069917.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:01
Operator : YP\AJ
Sample : AR1660ICC1600
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR16605020

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 11:53:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 11:48:42 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 17:16
 Operator : YP\AJ
 Sample : AR1221ICC100
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12211021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:25:37 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	53737334	44971278	5.491	5.745
2) SA Decachlor...	8.528	7.561	42716274	70810416	10.554	11.461
Target Compounds						
8) L2 AR-1221-1	3.610	2.986	12035734	11514467	109.929	115.724
9) L2 AR-1221-2	3.688	3.062	8143693	8125404	106.650	117.149
10) L2 AR-1221-3	3.756	3.131	27529112	25782347	113.525	118.467

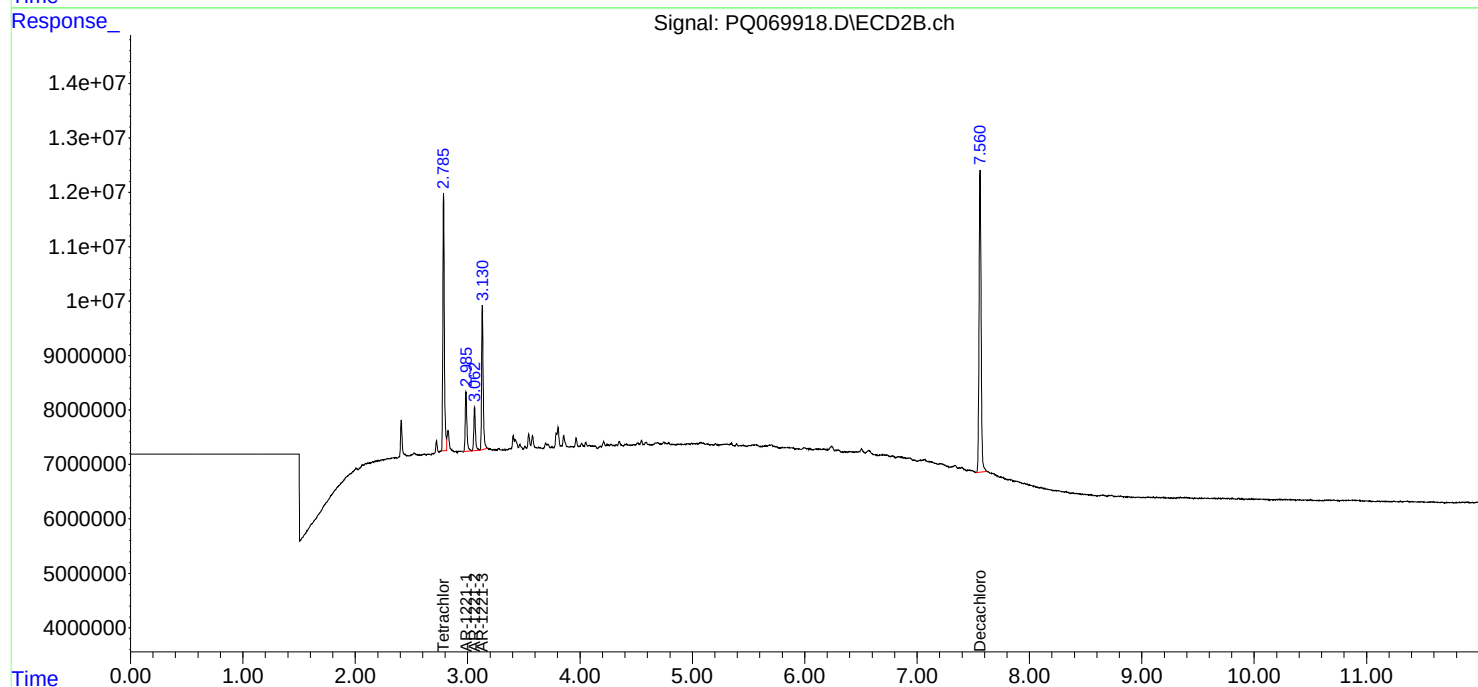
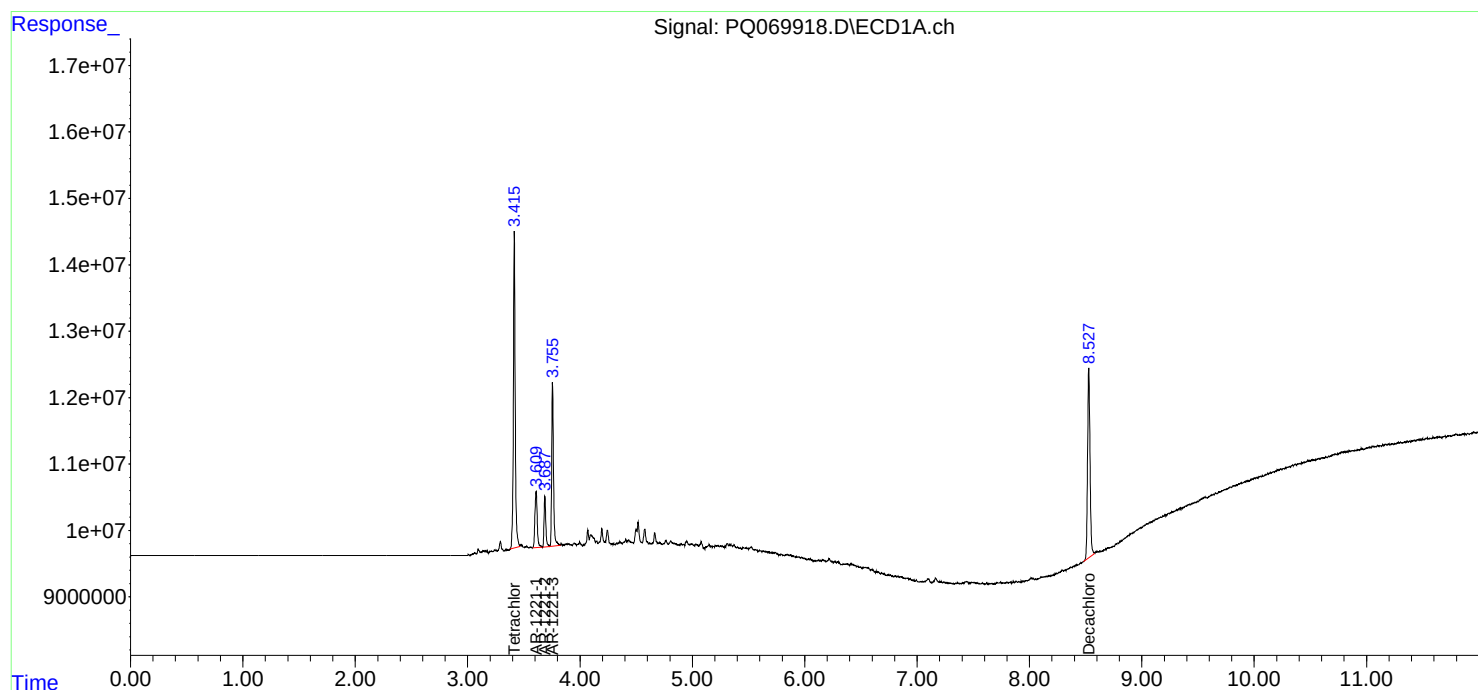
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:16
Operator : YP\AJ
Sample : AR1221ICC100
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12211021

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:25:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069919.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 17:32
 Operator : YP\AJ
 Sample : AR1221ICC200
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12212022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:25:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	105.1E6	83990259	10.742	10.729
2) SA Decachlor...	8.526	7.559	84838590	133.2E6	20.960	21.554
Target Compounds						
8) L2 AR-1221-1	3.610	2.986	23024637	21437672	210.296	215.456
9) L2 AR-1221-2	3.688	3.062	15543080	14872479	203.553	214.425
10) L2 AR-1221-3	3.756	3.130	51784403	48679353	213.550	223.676

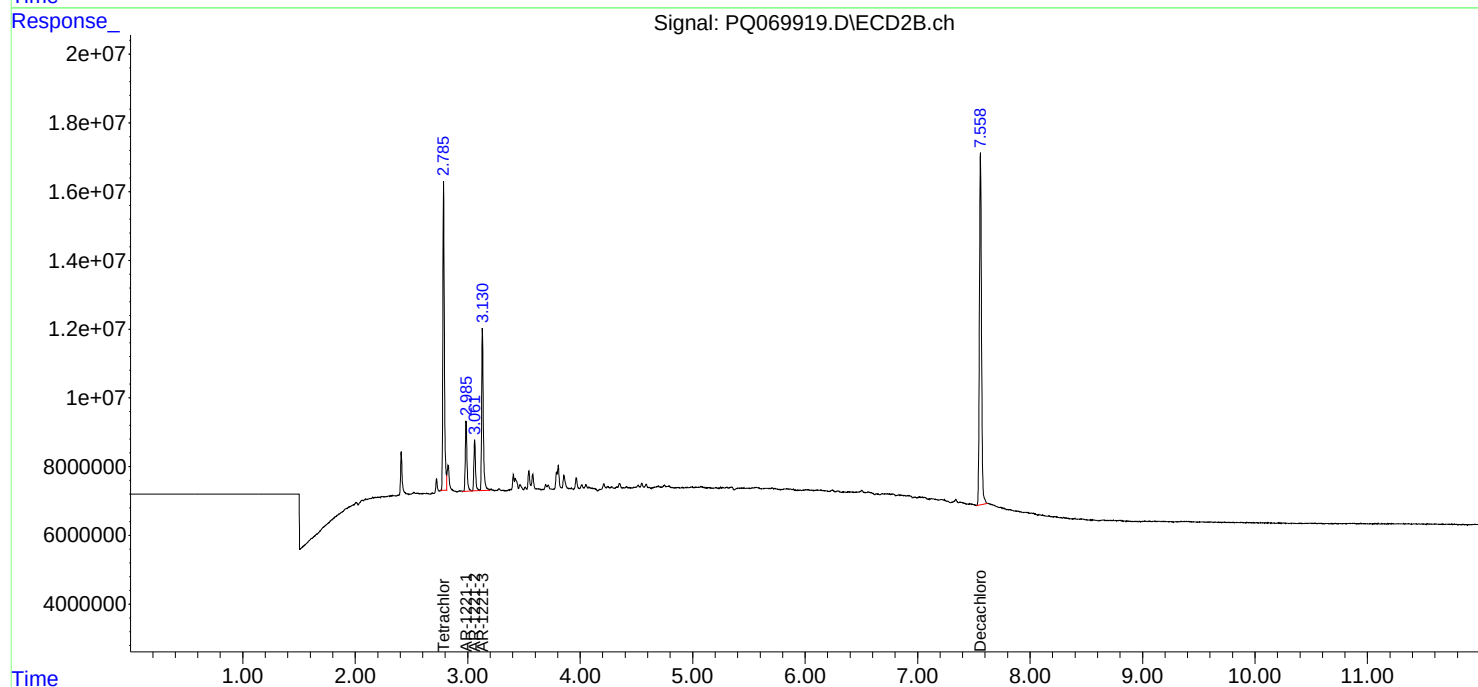
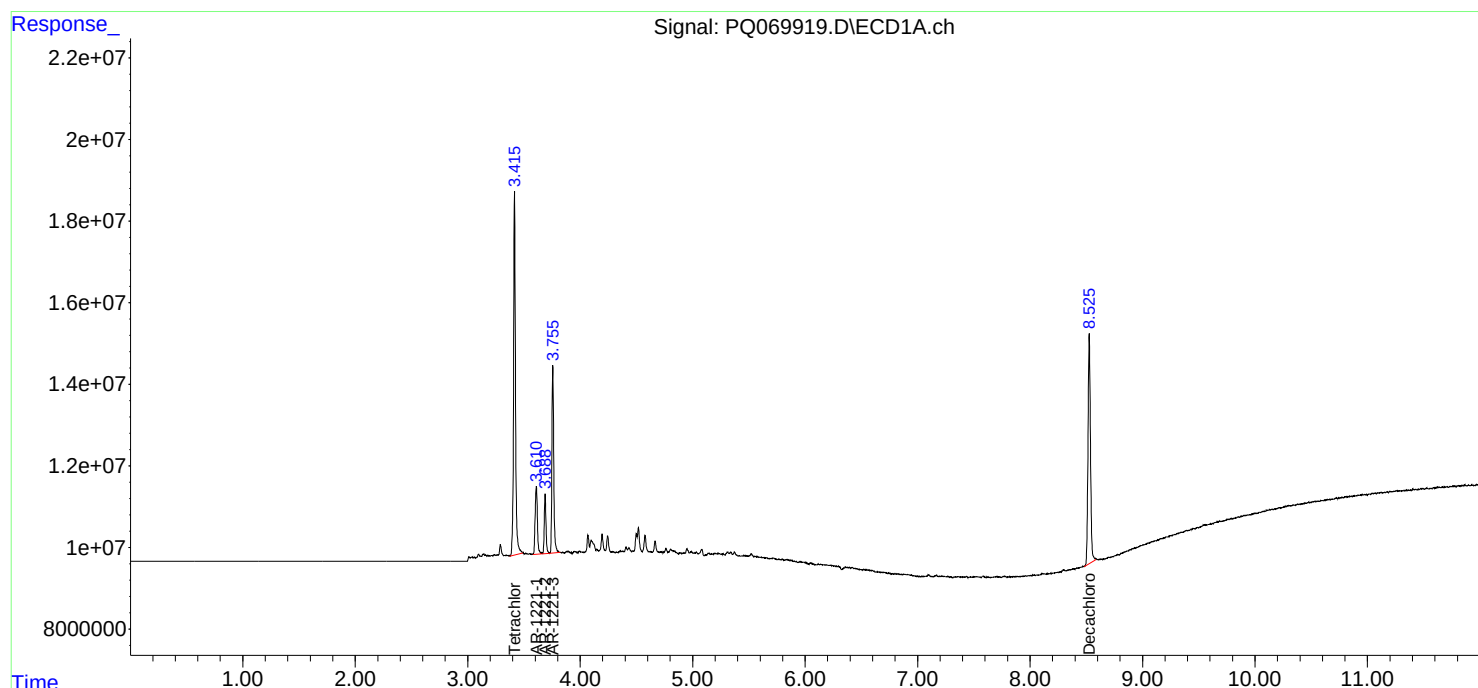
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069919.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:32
Operator : YP\AJ
Sample : AR1221ICC200
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12212022

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:25:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069920.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 17:47
 Operator : YP\AJ
 Sample : AR1221ICC400
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12213023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:26:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.786	195.7E6	156.6E6	20.000	20.000
2) SA Decachlor...	8.524	7.558	161.9E6	247.1E6	40.000	40.000
Target Compounds						
8) L2 AR-1221-1	3.609	2.986	43794701	39799651	400.000	400.000
9) L2 AR-1221-2	3.686	3.062	30543499	27743917	400.000	400.000
10) L2 AR-1221-3	3.754	3.131	96997245	87053322	400.000	400.000

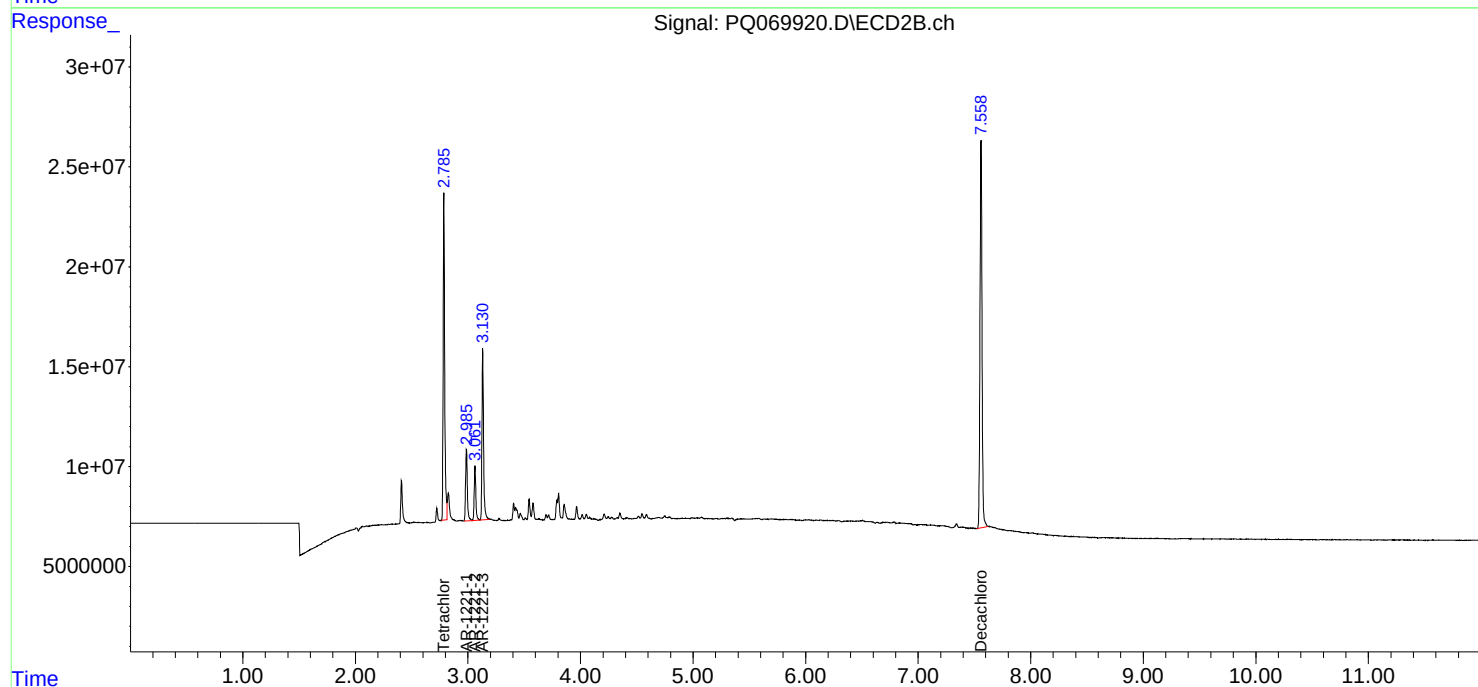
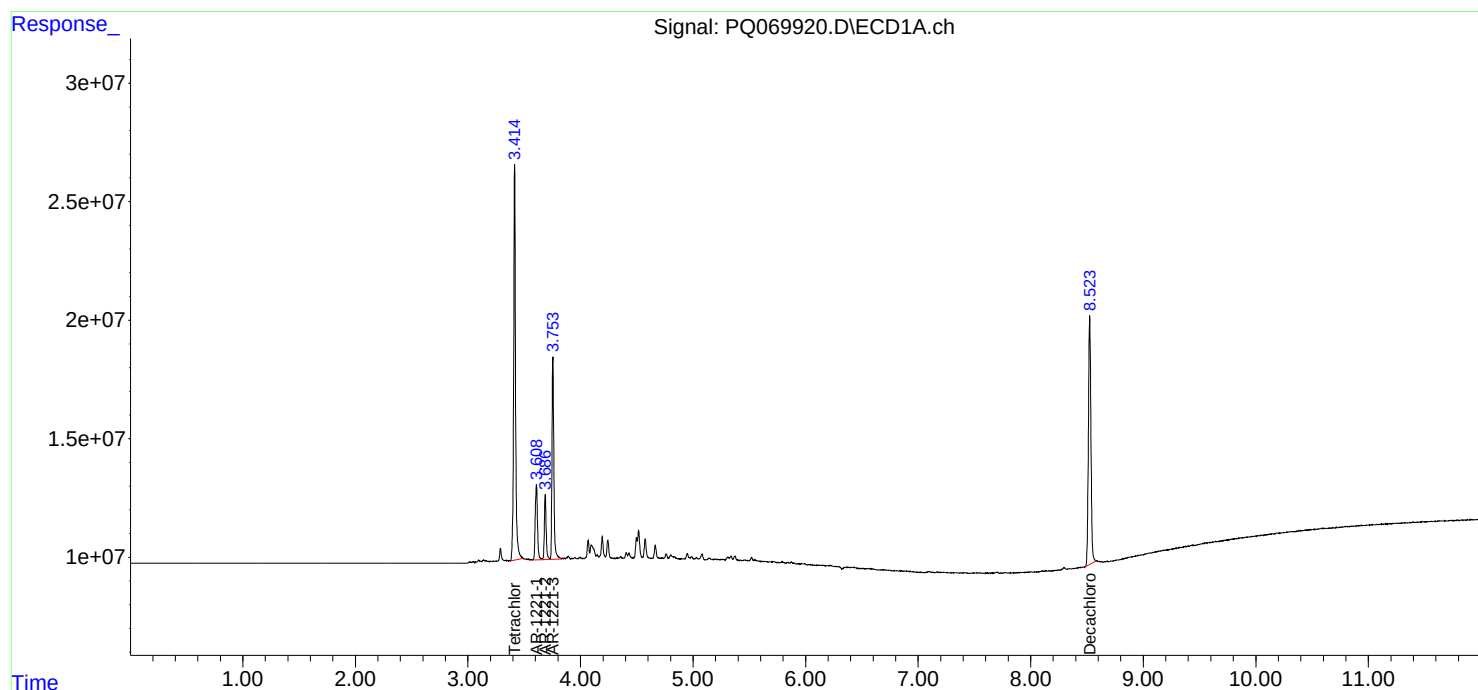
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069920.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 17:47
Operator : YP\AJ
Sample : AR1221ICC400
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12213023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:26:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069921.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 18:03
 Operator : YP\AJ
 Sample : AR1221ICC800
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12214024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:26:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	370.1E6	297.7E6	37.816	38.022
2) SA Decachlor...	8.529	7.560	306.5E6	458.0E6	75.727	74.124
Target Compounds						
8) L2 AR-1221-1	3.610	2.986	82202116	73337850	750.795	737.070
9) L2 AR-1221-2	3.688	3.062	56543042	51922834	740.492	748.601
10) L2 AR-1221-3	3.756	3.131	177.1E6	159.7E6	730.219	733.898

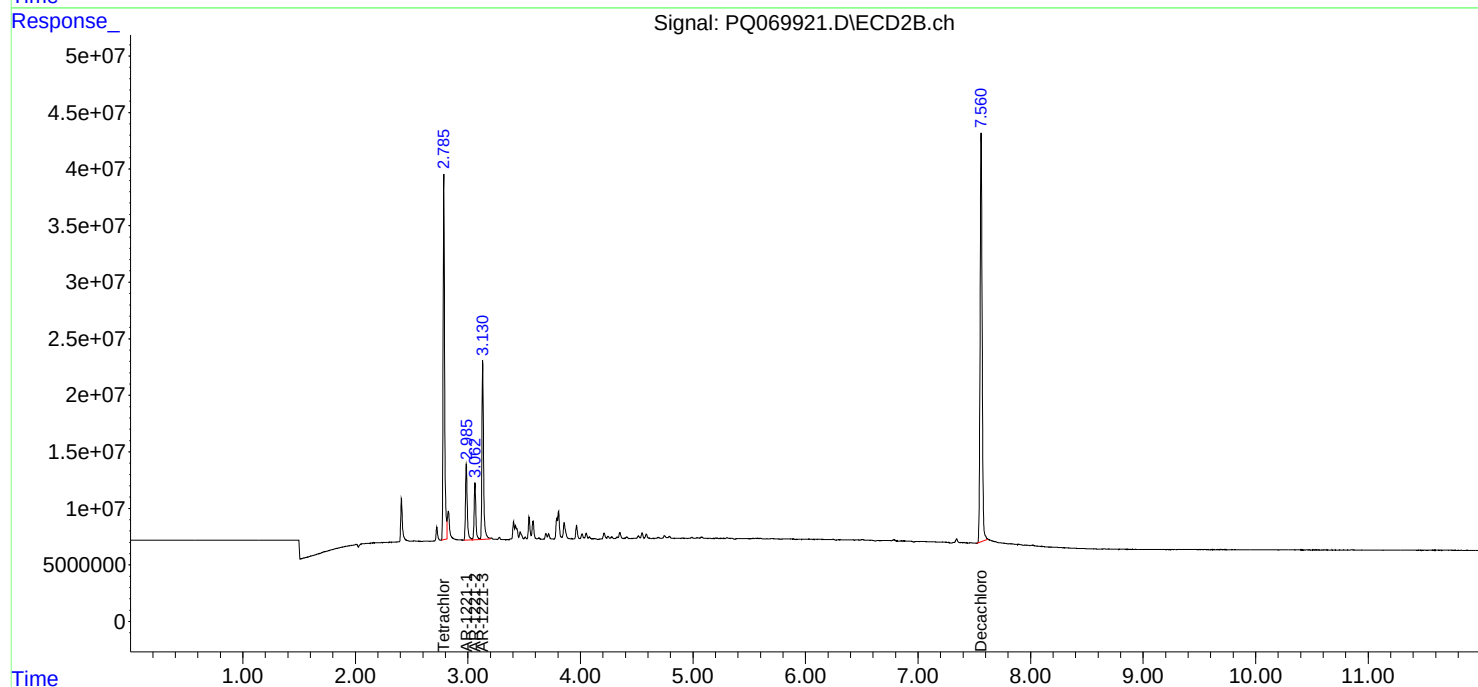
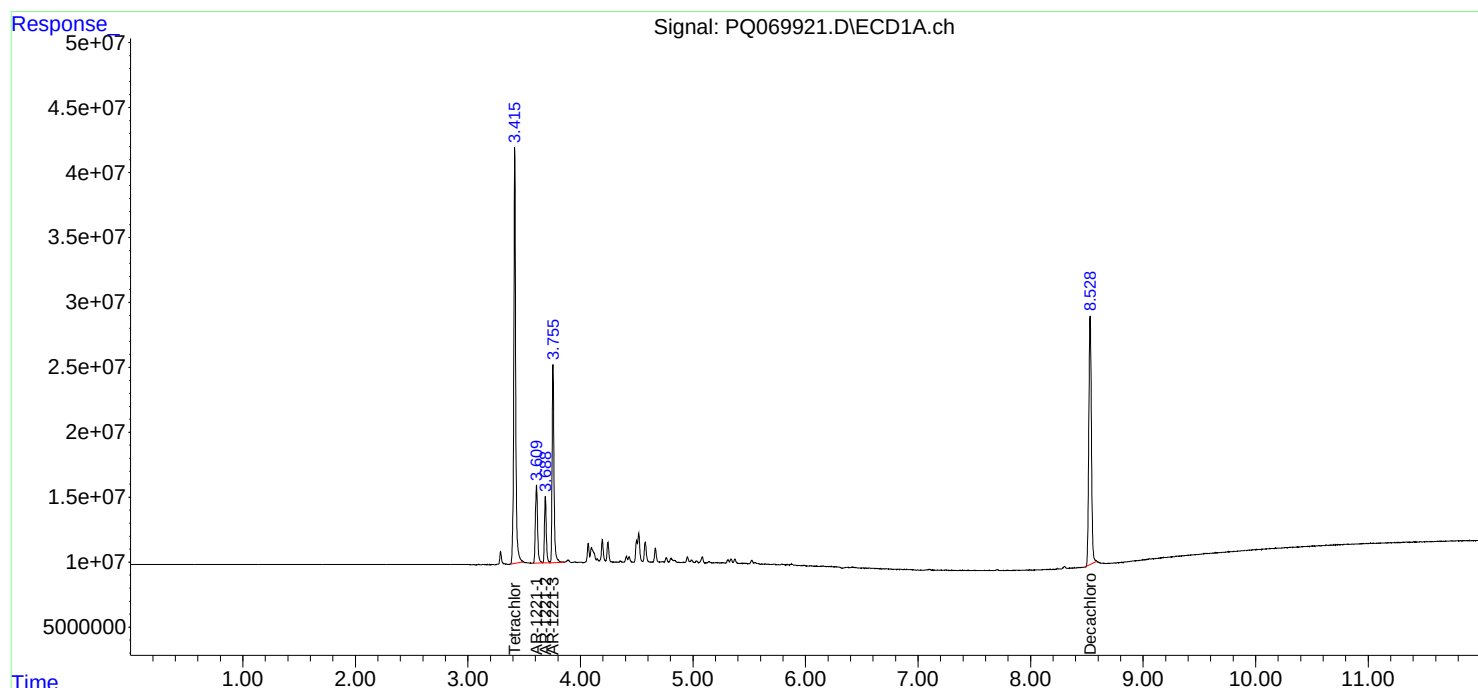
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069921.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:03
Operator : YP\AJ
Sample : AR1221ICC800
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12214024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:26:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069922.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 18:18
 Operator : YP\AJ
 Sample : AR1221ICC1600
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12215025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:26:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:24:04 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	676.6E6	548.4E6	69.135	70.059
2) SA Decachlor...	8.526	7.559	565.8E6	849.0E6	139.796	137.419
Target Compounds						
8) L2 AR-1221-1	3.609	2.986	145.9E6	128.9E6	1332.432	1295.863
9) L2 AR-1221-2	3.687	3.062	100.4E6	91377715	1315.387	1317.445
10) L2 AR-1221-3	3.755	3.131	311.7E6	281.1E6	1285.209	1291.715

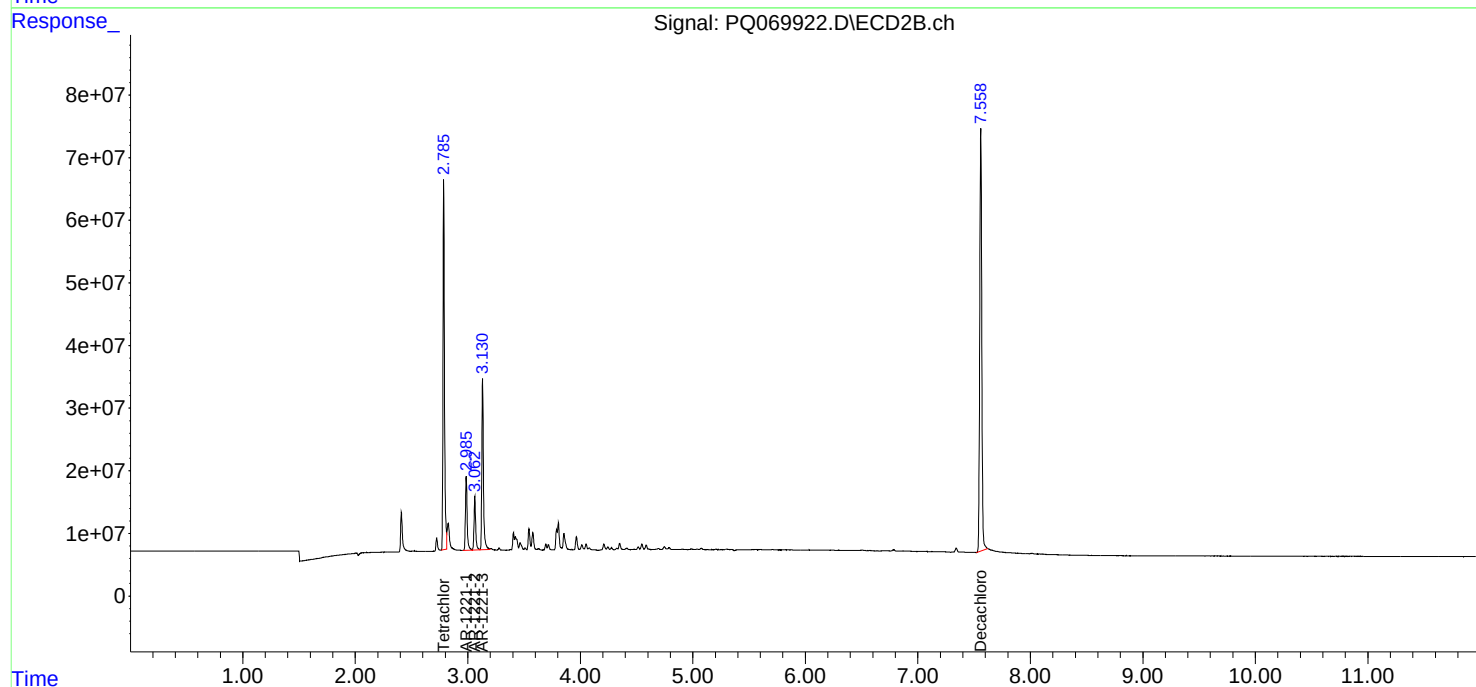
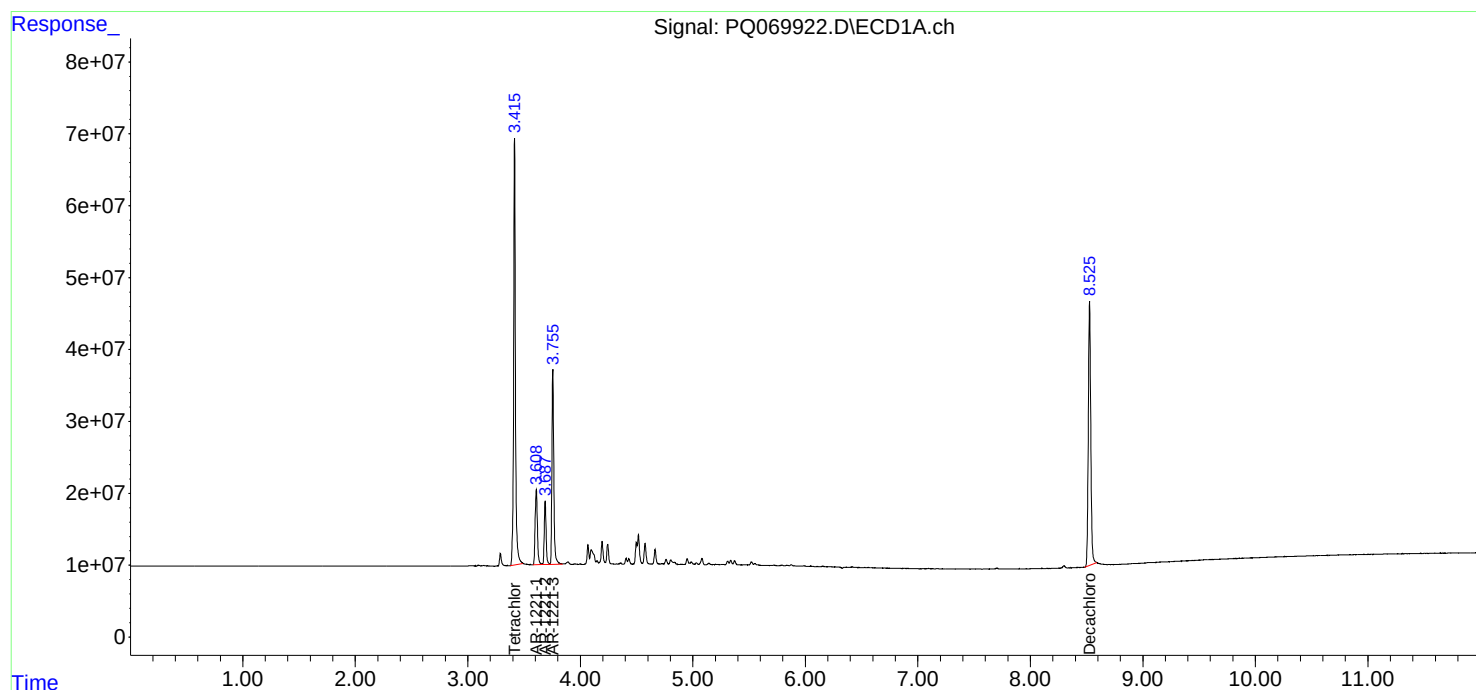
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069922.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:18
Operator : YP\AJ
Sample : AR1221ICC1600
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12215025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:26:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:24:04 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069923.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 18:34
 Operator : YP\AJ
 Sample : AR1232ICC100
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12321026

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:40:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:38:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	56788078	44613621	5.655	5.513
2) SA Decachlor...	8.527	7.560	45885727	73045341	10.921	11.724
Target Compounds						
11) L3 AR-1232-1	3.755	3.131	22388660	20981265	112.108	117.720
12) L3 AR-1232-2	4.243	3.805	12740412	20978019	113.402	116.361
13) L3 AR-1232-3	4.516	3.965	23532216	11442118	112.204	117.535
14) L3 AR-1232-4	4.664	4.051	11651675	9801921	108.667	114.892
15) L3 AR-1232-5	4.762	4.210	7693455	10985908	108.834	111.259

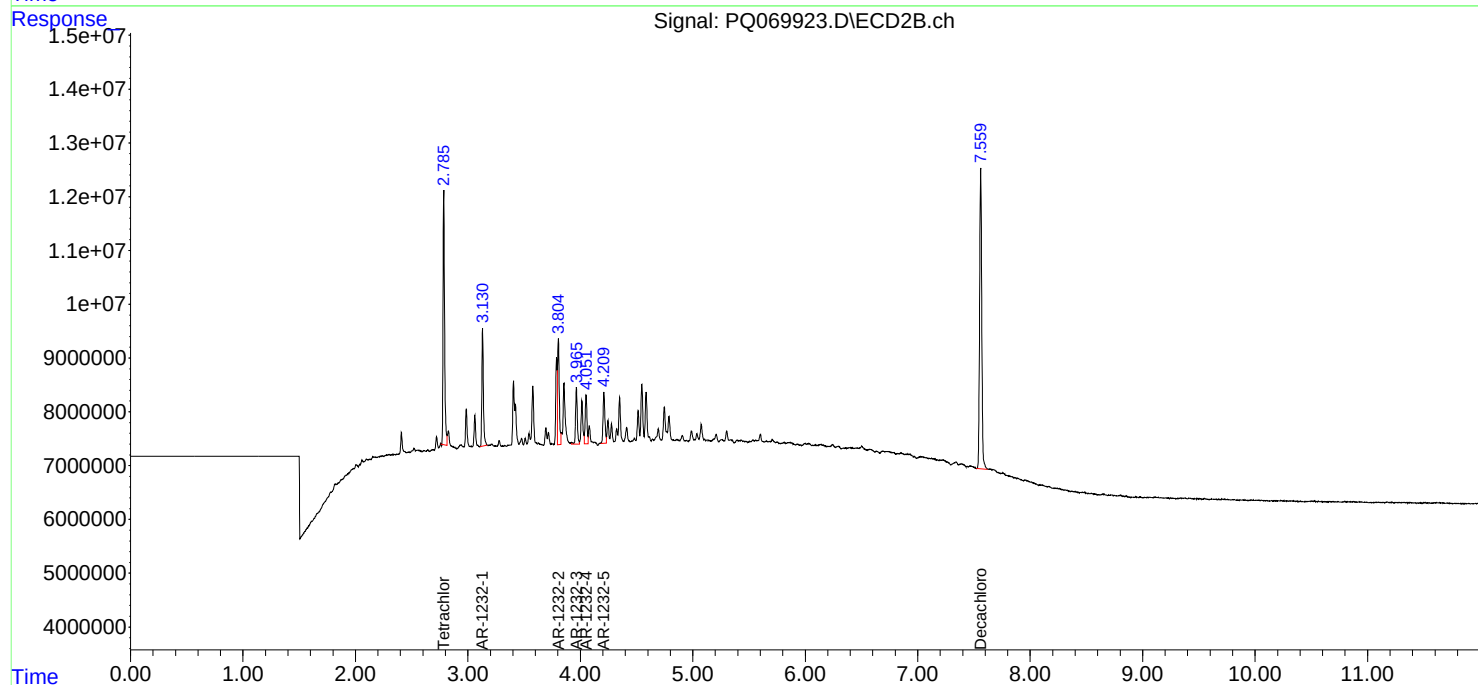
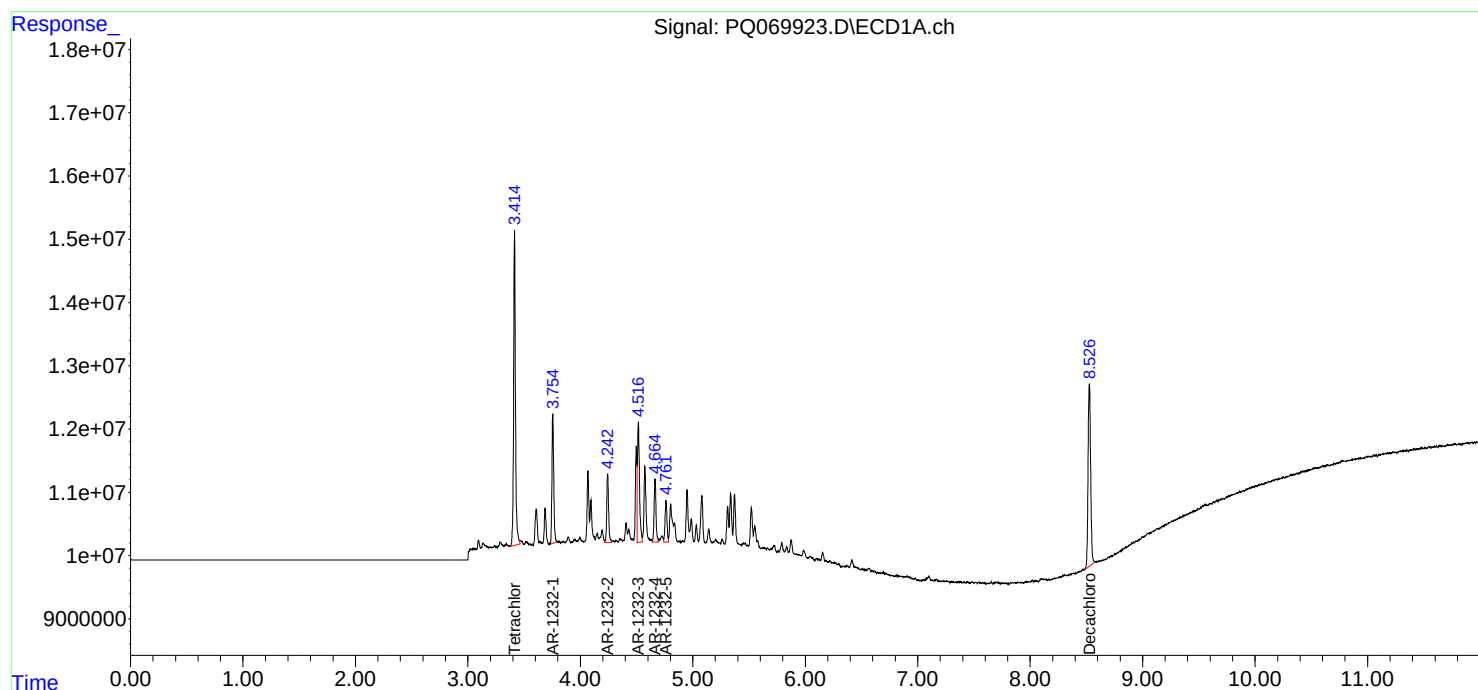
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069923.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:34
Operator : YP\AJ
Sample : AR1232ICC100
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12321026

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:40:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:38:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069924.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 18:49
 Operator : YP\AJ
 Sample : AR1232ICC200
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12322027

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:41:03 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:38:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	106.0E6	85091433	10.561	10.515
2) SA Decachlor...	8.526	7.559	86976094	133.4E6	20.701	21.415
Target Compounds						
11) L3 AR-1232-1	3.756	3.130	42178781	38426060	211.204	215.598
12) L3 AR-1232-2	4.244	3.805	23509980	38032214	209.262	210.958
13) L3 AR-1232-3	4.517	3.965	44034626	20547325	209.962	211.066
14) L3 AR-1232-4	4.665	4.051	22020629	17570205	205.372	205.946
15) L3 AR-1232-5	4.762	4.210	14748623	21640127	208.638	219.158

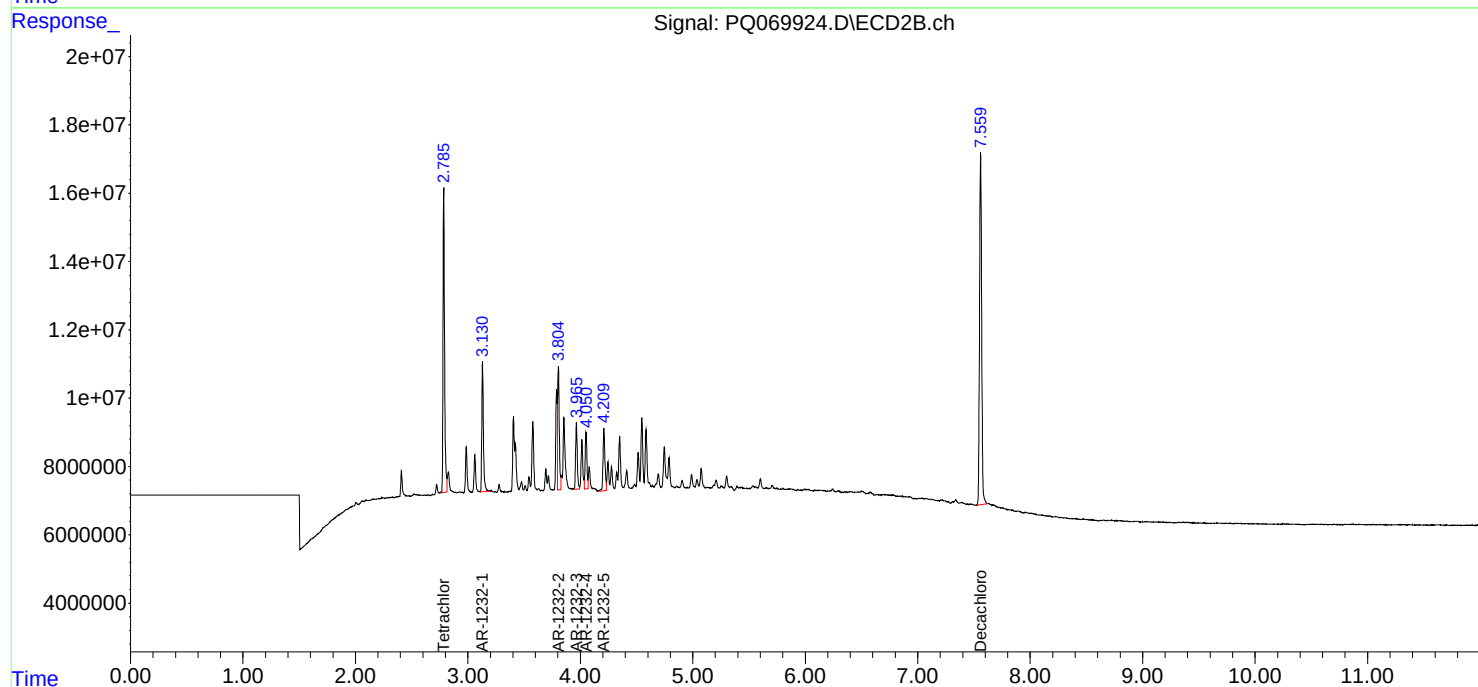
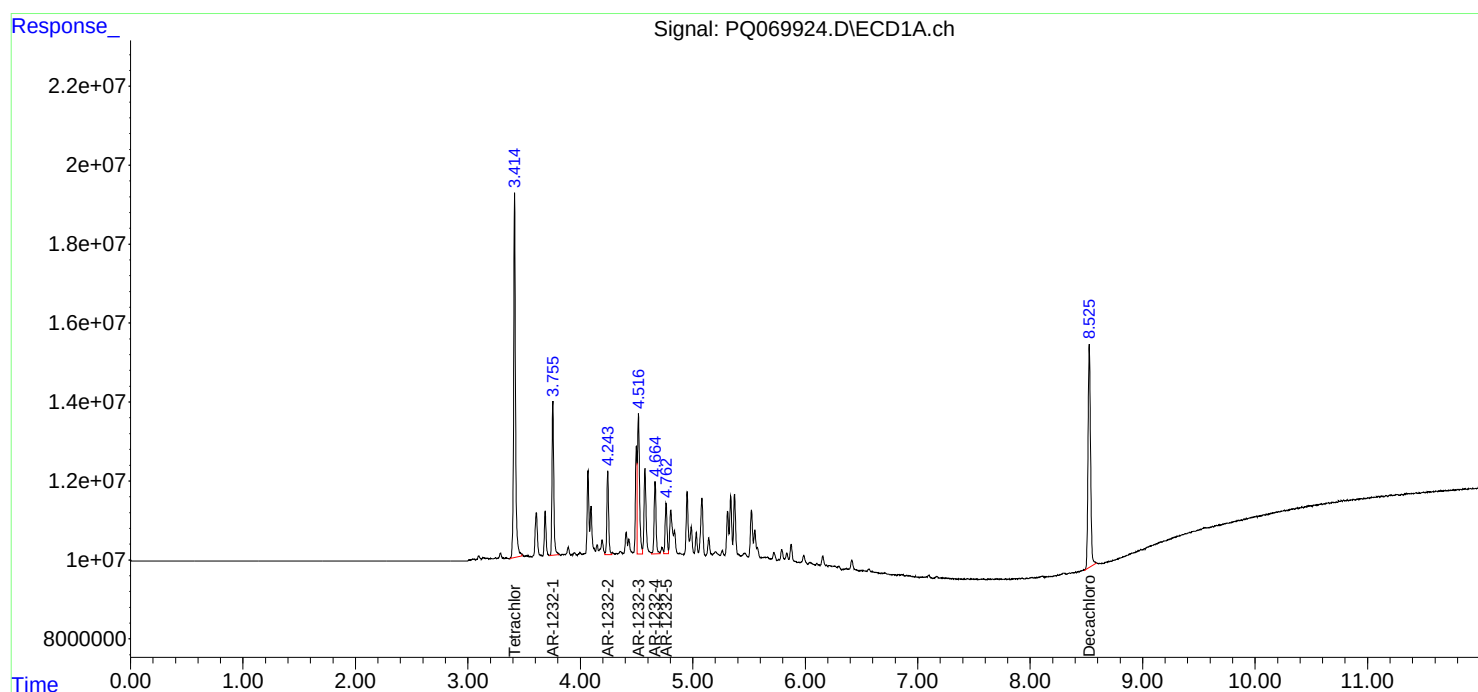
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069924.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 18:49
Operator : YP\AJ
Sample : AR1232ICC200
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12322027

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:41:03 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:38:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069925.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 19:05
 Operator : YP\AJ
 Sample : AR1232ICC400
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12323028

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:38:55 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:38:25 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	200.8E6	161.8E6	20.000	20.000
2) SA Decachlor...	8.526	7.560	168.1E6	249.2E6	40.000	40.000
Target Compounds						
11) L3 AR-1232-1	3.755	3.131	79882646	71291952	400.000	400.000
12) L3 AR-1232-2	4.244	3.805	44938801	72113274	400.000	400.000
13) L3 AR-1232-3	4.517	3.966	83890736	38940168	400.000	400.000
14) L3 AR-1232-4	4.665	4.052	42889287	34125829	400.000	400.000
15) L3 AR-1232-5	4.763	4.210	28275972	39496831	400.000	400.000

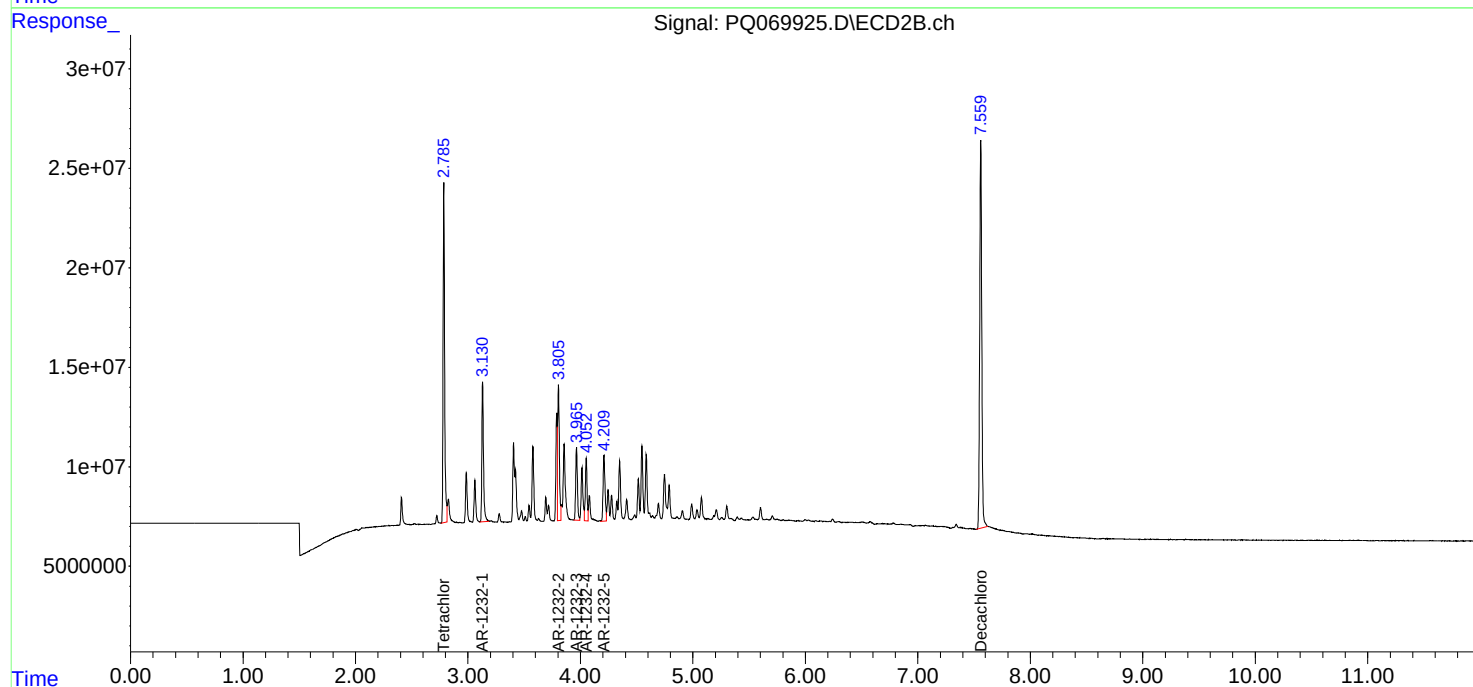
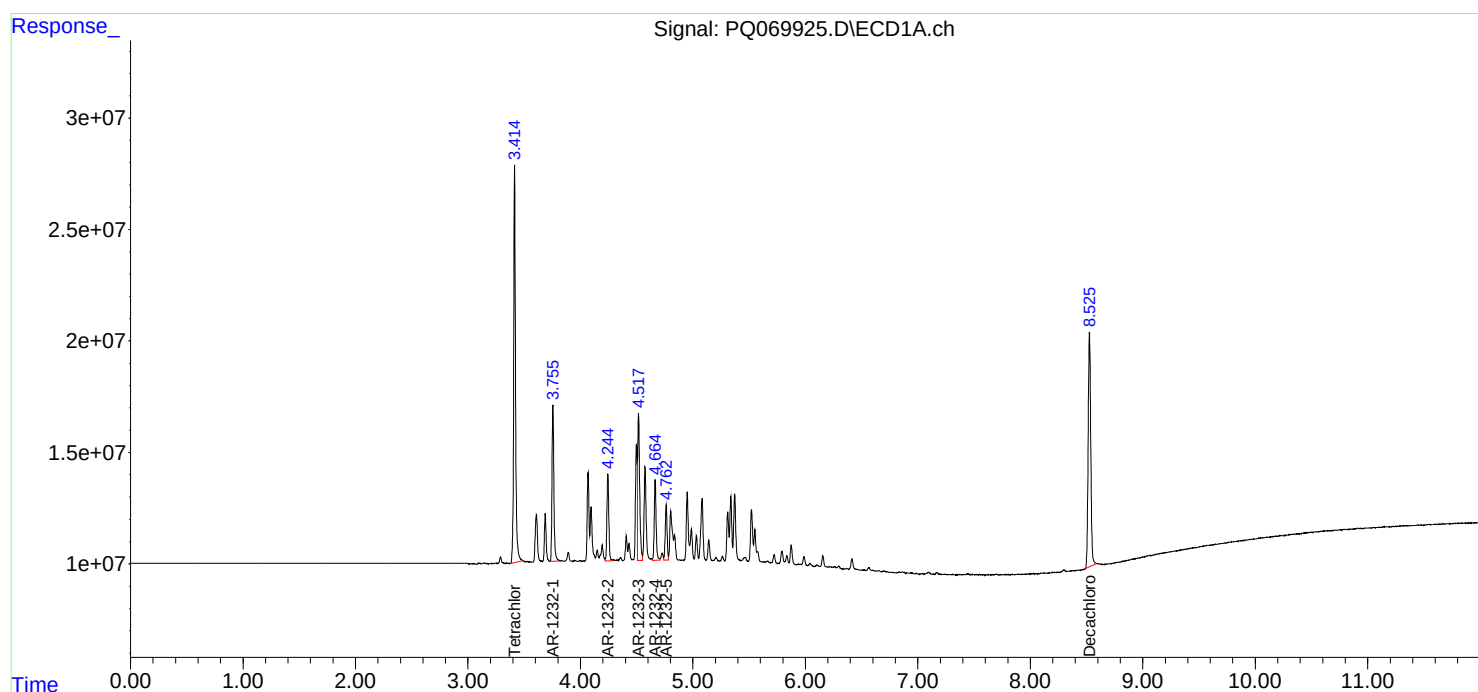
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069925.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:05
Operator : YP\AJ
Sample : AR1232ICC400
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12323028

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:38:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:38:25 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 19:20
 Operator : YP\AJ
 Sample : AR1232ICC800
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12324029

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:41:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:38:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	374.3E6	300.3E6	37.272	37.113
2) SA Decachlor...	8.528	7.559	314.9E6	468.3E6	74.942	75.159
Target Compounds						
11) L3 AR-1232-1	3.756	3.131	144.6E6	127.9E6	724.119	717.548
12) L3 AR-1232-2	4.245	3.805	82026754	132.3E6	730.120	733.656
13) L3 AR-1232-3	4.518	3.966	152.3E6	72528570	726.300	745.026
14) L3 AR-1232-4	4.666	4.051	78737381	61969493	734.331	726.365
15) L3 AR-1232-5	4.763	4.209	52833275	69245701	747.395	701.279

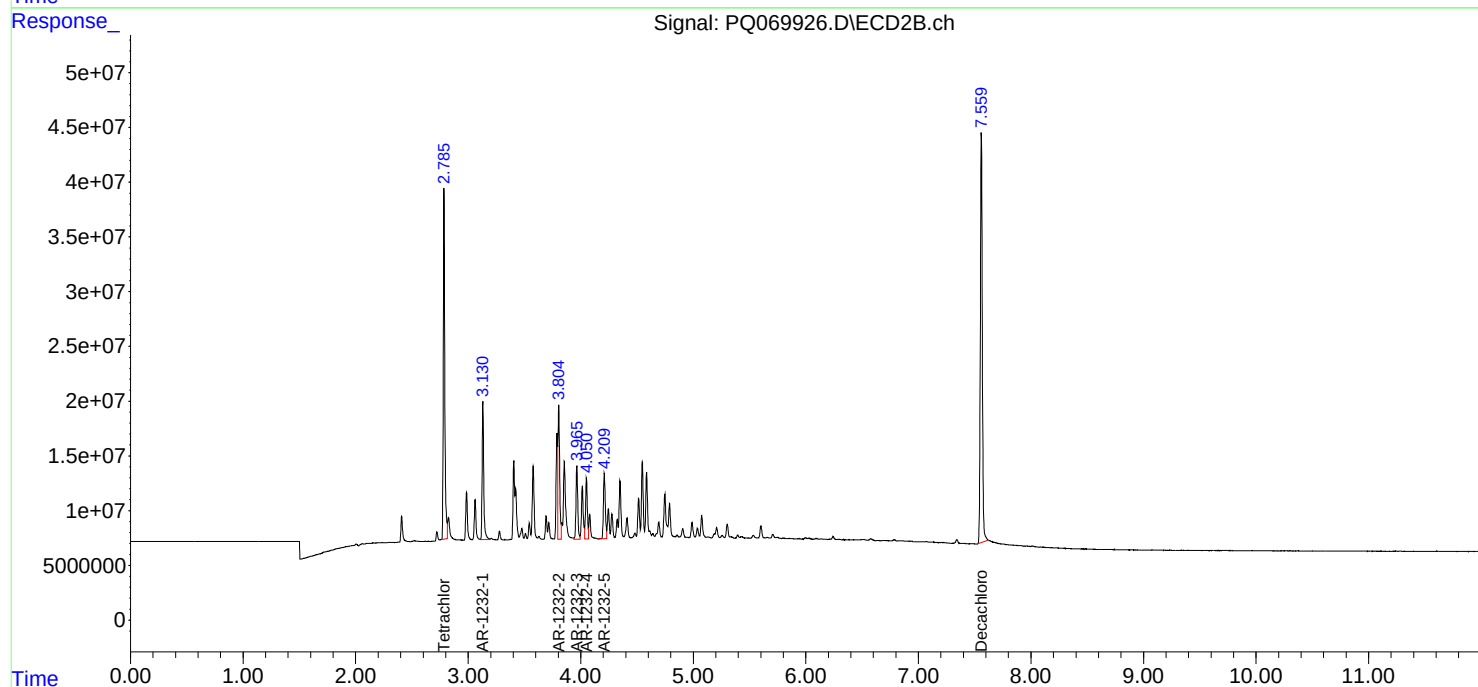
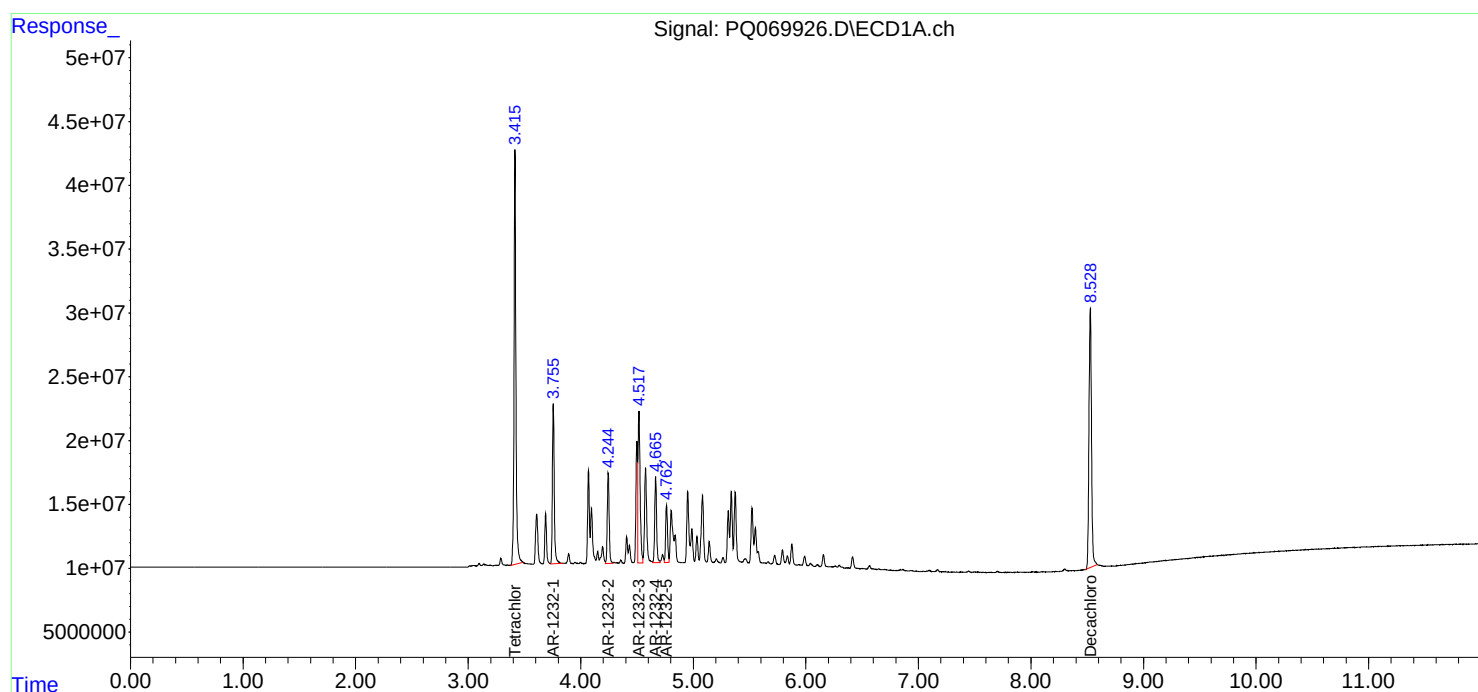
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069926.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:20
Operator : YP\AJ
Sample : AR1232ICC800
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12324029

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:41:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:38:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069927.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 19:36
 Operator : YP\AJ
 Sample : AR1232ICC1600
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12325030

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 08:41:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 08:38:32 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	685.9E6	556.3E6	68.302	68.746
2) SA Decachlor...	8.527	7.560	582.7E6	864.6E6	138.681	138.771
Target Compounds						
11) L3 AR-1232-1	3.756	3.131	256.0E6	225.9E6	1281.792	1267.567
12) L3 AR-1232-2	4.245	3.805	146.8E6	238.7E6	1306.579	1324.059
13) L3 AR-1232-3	4.517	3.965	275.1E6	131.2E6	1311.900	1347.211
14) L3 AR-1232-4	4.665	4.051	141.5E6	110.3E6	1319.518	1293.060
15) L3 AR-1232-5	4.763	4.210	94850196	124.3E6	1341.778	1259.302

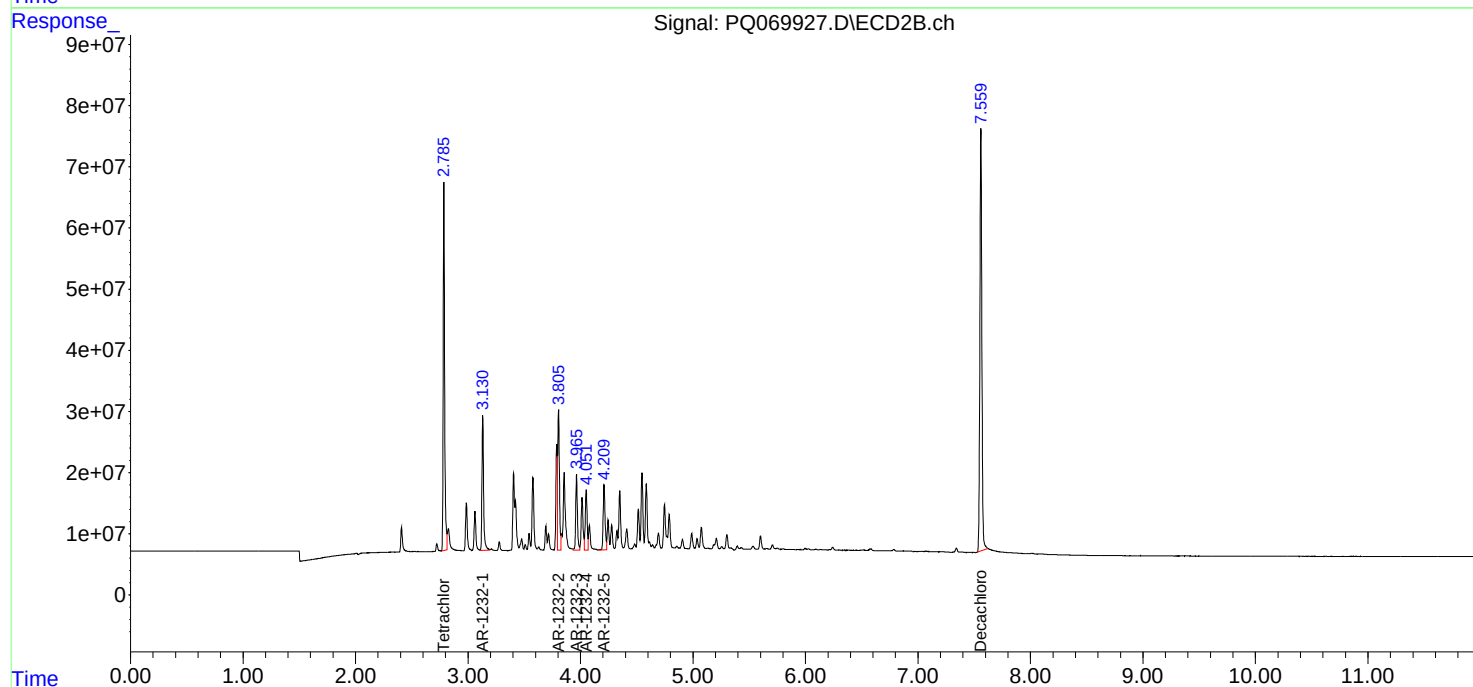
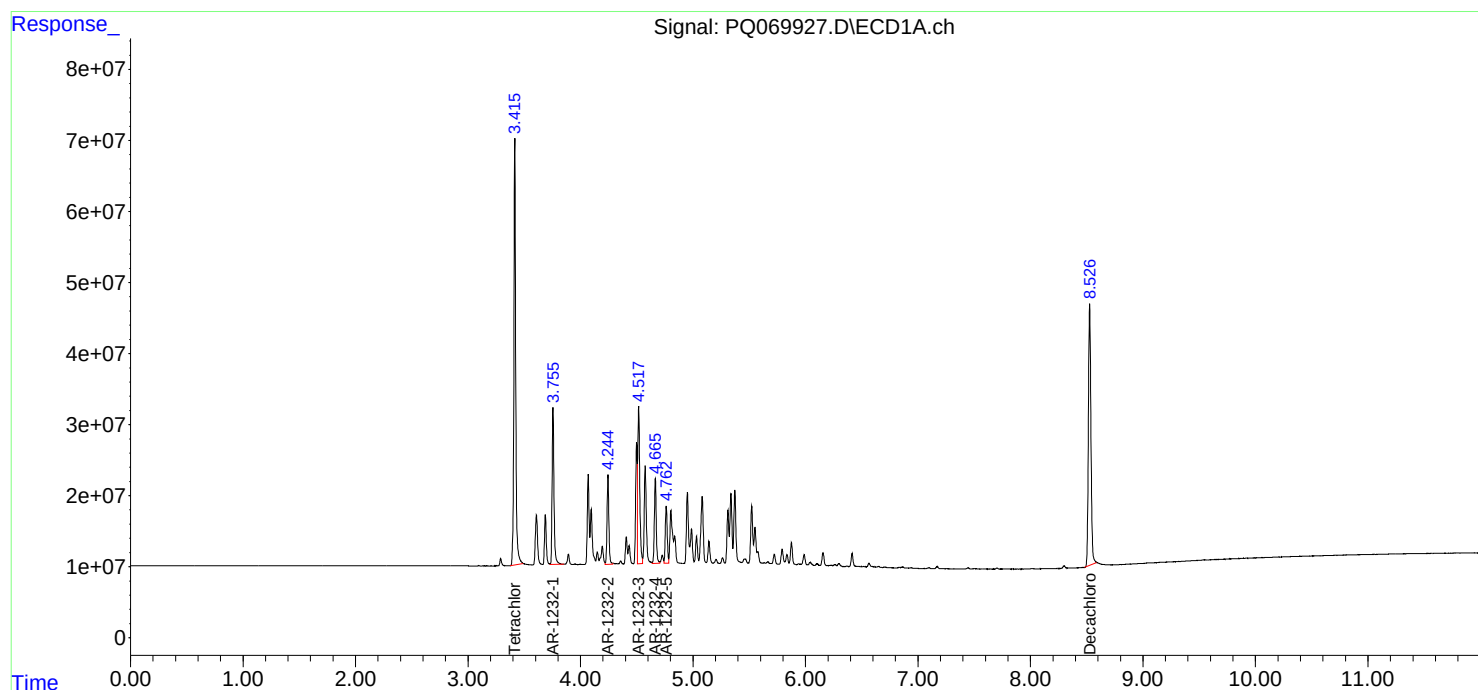
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069927.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:36
Operator : YP\AJ
Sample : AR1232ICC1600
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12325030

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 08:41:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 08:38:32 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069928.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 19:52
 Operator : YP\AJ
 Sample : AR1242ICC100
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12421031

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:13:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:03:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	58948073	46062712	5.813	5.689
2) SA Decachlor...	8.527	7.561	47830677	73926446	11.271	11.662
Target Compounds						
16) L4 AR-1242-1	4.499	3.789	28178832	25067258	118.609	119.605
17) L4 AR-1242-2	4.518	3.804	44374451	37012930	117.677	117.063
18) L4 AR-1242-3	4.576	3.965	27949946	20528731	116.575	116.098
19) L4 AR-1242-4	4.665	4.051	22840787	19502745	116.576	117.553
20) L4 AR-1242-5	5.372	4.547	22460422	24920634	113.183	118.625

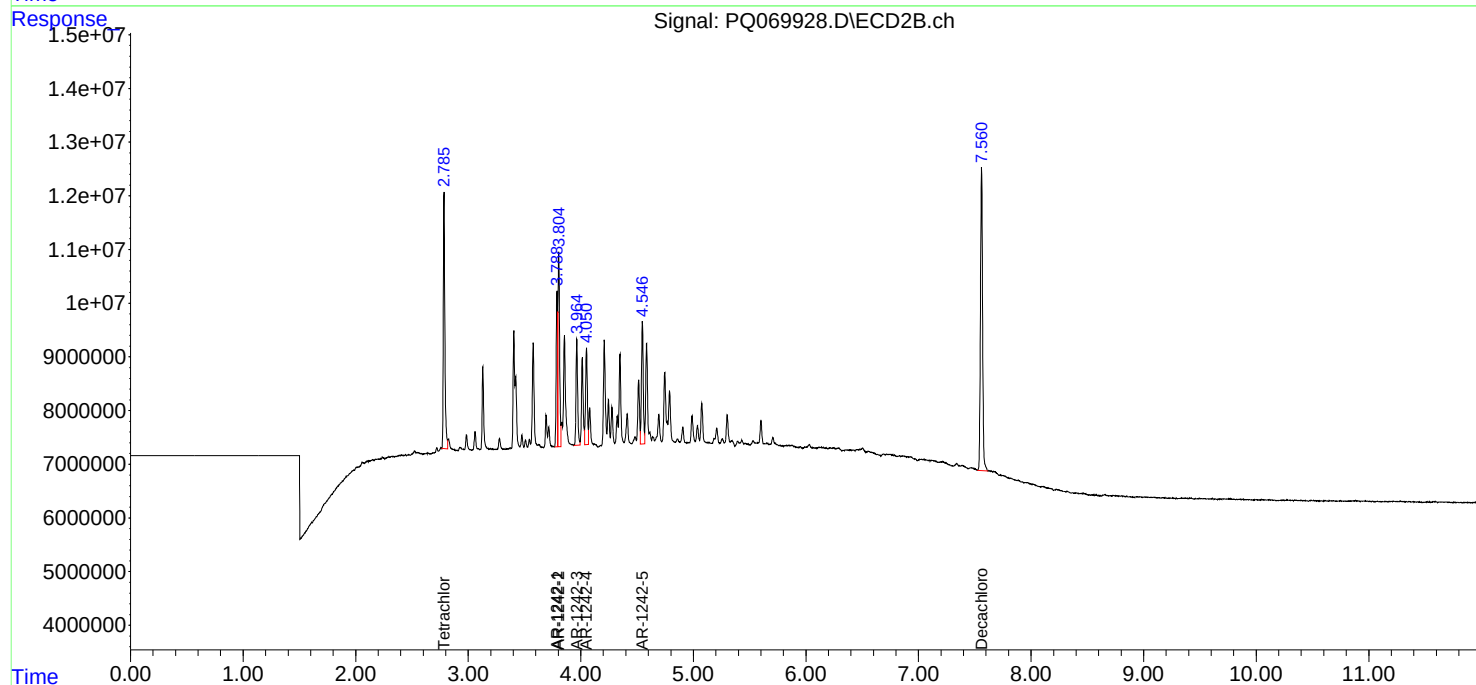
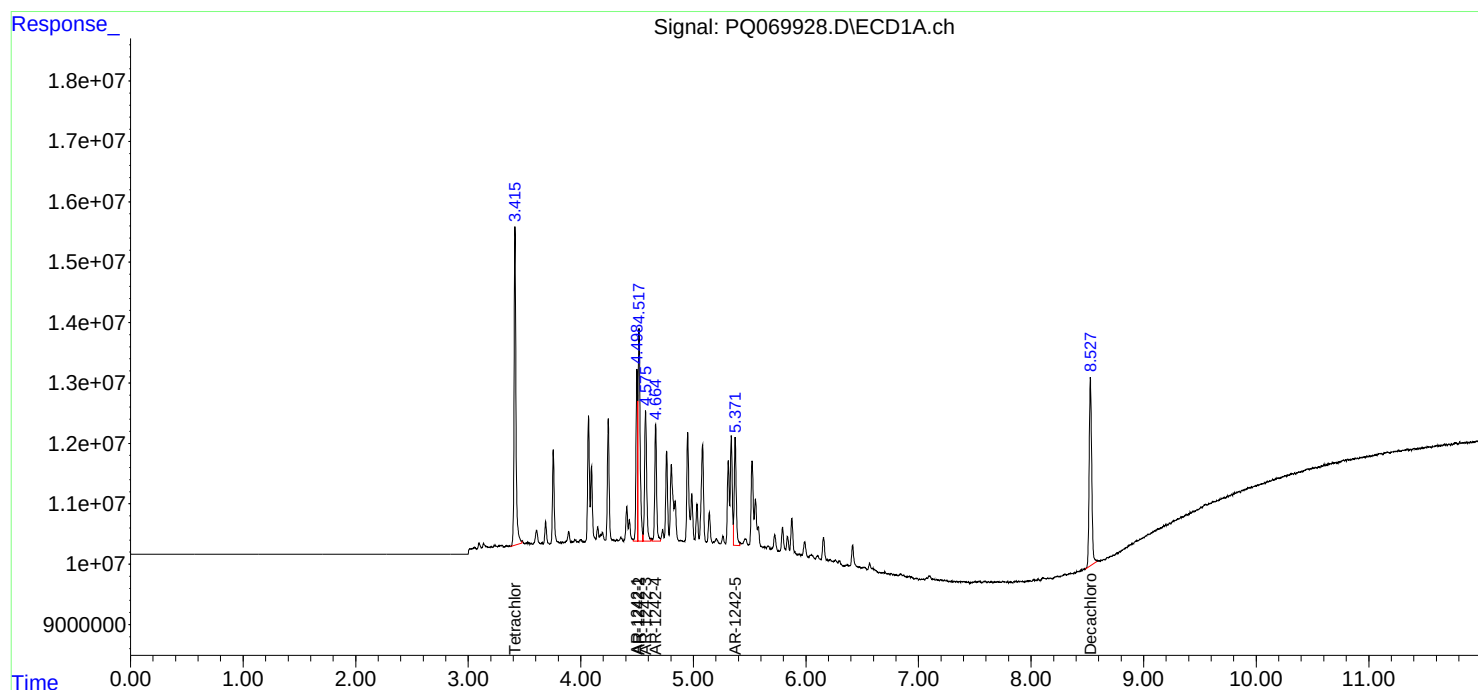
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069928.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 19:52
Operator : YP\AJ
Sample : AR1242ICC100
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12421031

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:13:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:03:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069929.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 20:07
 Operator : YP\AJ
 Sample : AR1242ICC200
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12422032

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:11:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:03:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	108.4E6	85716642	11.145	10.963
2) SA Decachlor...	8.527	7.559	90594240	137.7E6	22.047	22.661
Target Compounds						
16) L4 AR-1242-1	4.498	3.789	51850362	45261884	228.896	227.092
17) L4 AR-1242-2	4.517	3.805	82166321	67461269	227.972	222.871
18) L4 AR-1242-3	4.575	3.965	51998478	37341793	226.252	220.039
19) L4 AR-1242-4	4.665	4.051	42542130	35182995	226.515	221.799
20) L4 AR-1242-5	5.372	4.547	42862979	45378748	223.358	226.557

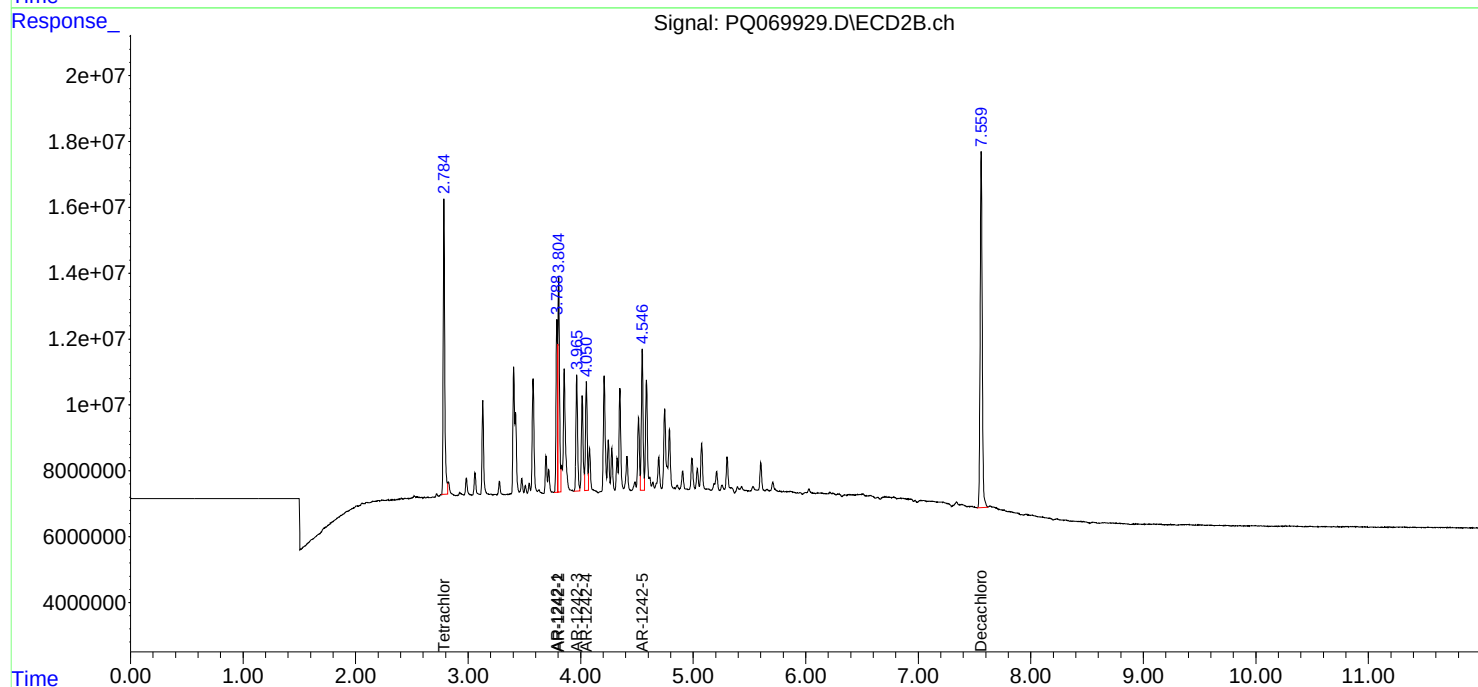
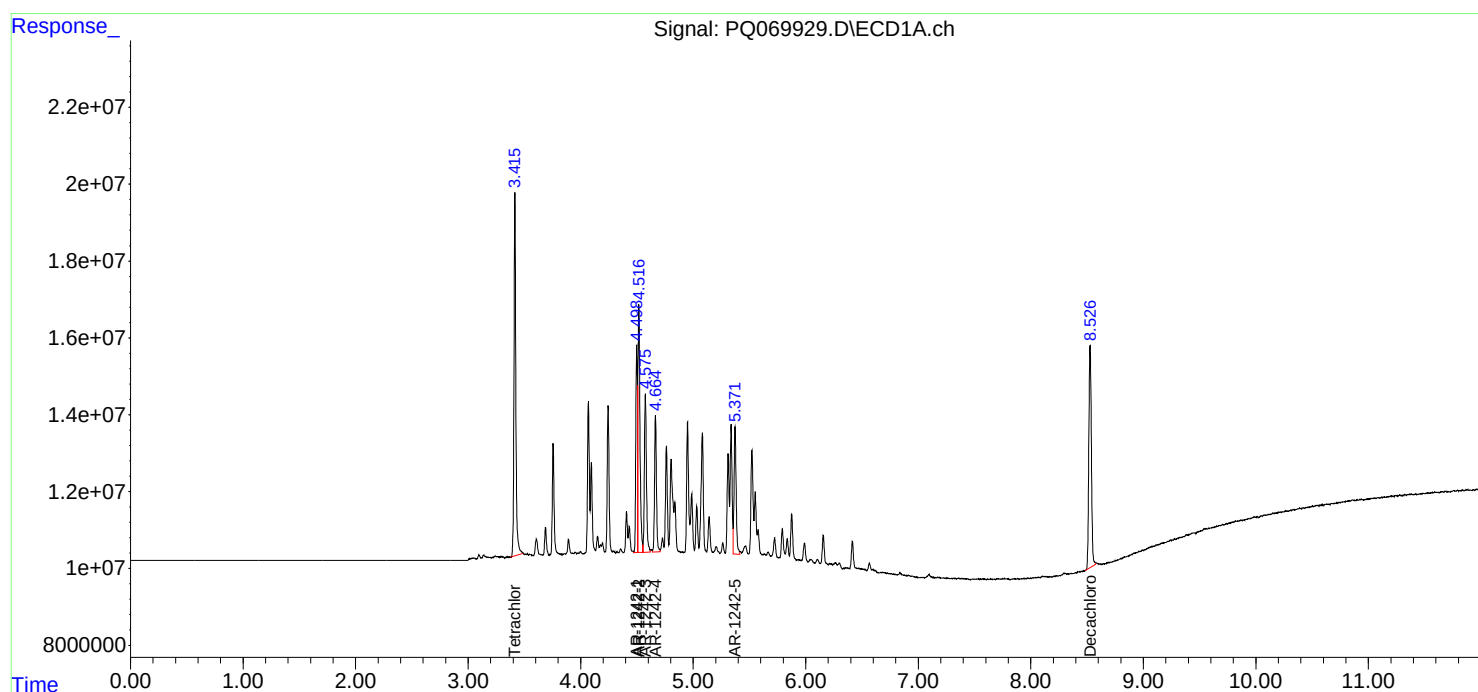
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069929.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:07
Operator : YP\AJ
Sample : AR1242ICC200
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12422032

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:11:28 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:03:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069930.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 20:23
 Operator : YP\AJ
 Sample : AR1242ICC400
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12423033

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:03:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:03:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	202.7E6	163.1E6	20.000	20.000
2) SA Decachlor...	8.527	7.559	171.2E6	251.7E6	40.000	40.000
Target Compounds						
16) L4 AR-1242-1	4.498	3.789	95772736	84194608	400.000	400.000
17) L4 AR-1242-2	4.517	3.805	149.7E6	128.4E6	400.000	400.000
18) L4 AR-1242-3	4.575	3.966	96858949	73055955	400.000	400.000
19) L4 AR-1242-4	4.665	4.051	78930344	68847692	400.000	400.000
20) L4 AR-1242-5	5.372	4.547	80044488	84936723	400.000	400.000

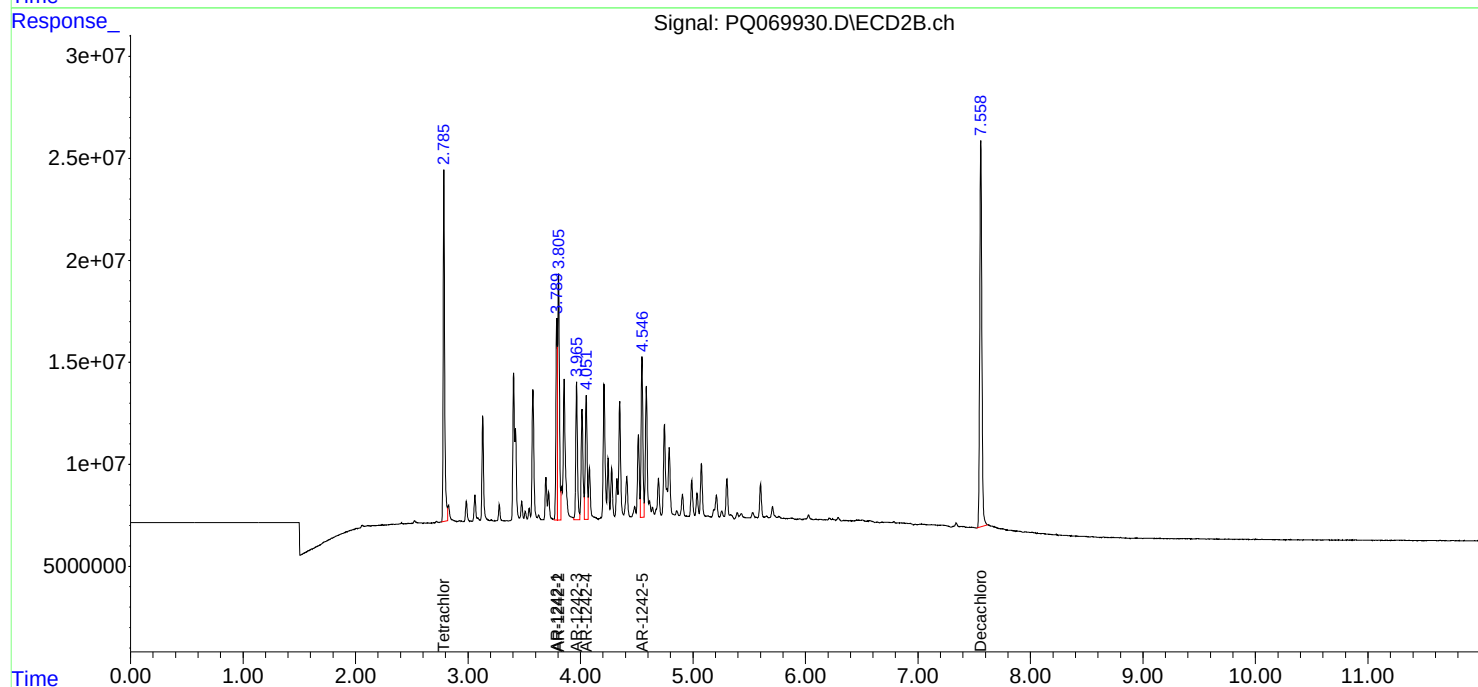
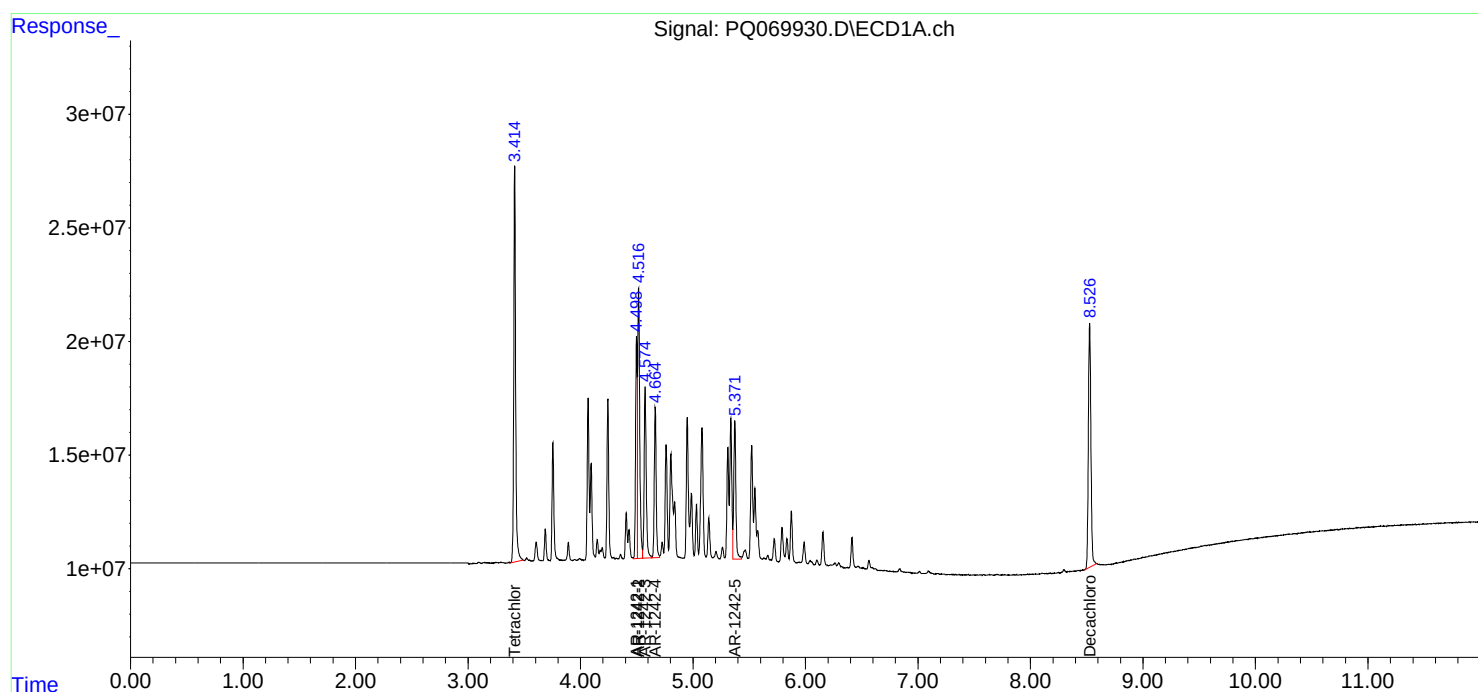
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069930.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:23
Operator : YP\AJ
Sample : AR1242ICC400
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12423033

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:03:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:03:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069931.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 20:39
 Operator : YP\AJ
 Sample : AR1242ICC800
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12424034

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:09:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:03:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	374.7E6	303.1E6	40.046	40.058
2) SA Decachlor...	8.527	7.559	317.4E6	465.8E6	79.974	80.231
Target Compounds						
16) L4 AR-1242-1	4.499	3.789	170.8E6	151.4E6	792.222	795.742
17) L4 AR-1242-2	4.518	3.805	276.5E6	231.5E6	804.723	795.129
18) L4 AR-1242-3	4.576	3.966	176.3E6	130.9E6	802.331	797.788
19) L4 AR-1242-4	4.665	4.051	143.8E6	121.4E6	801.037	794.302
20) L4 AR-1242-5	5.372	4.548	148.6E6	152.7E6	805.742	797.619

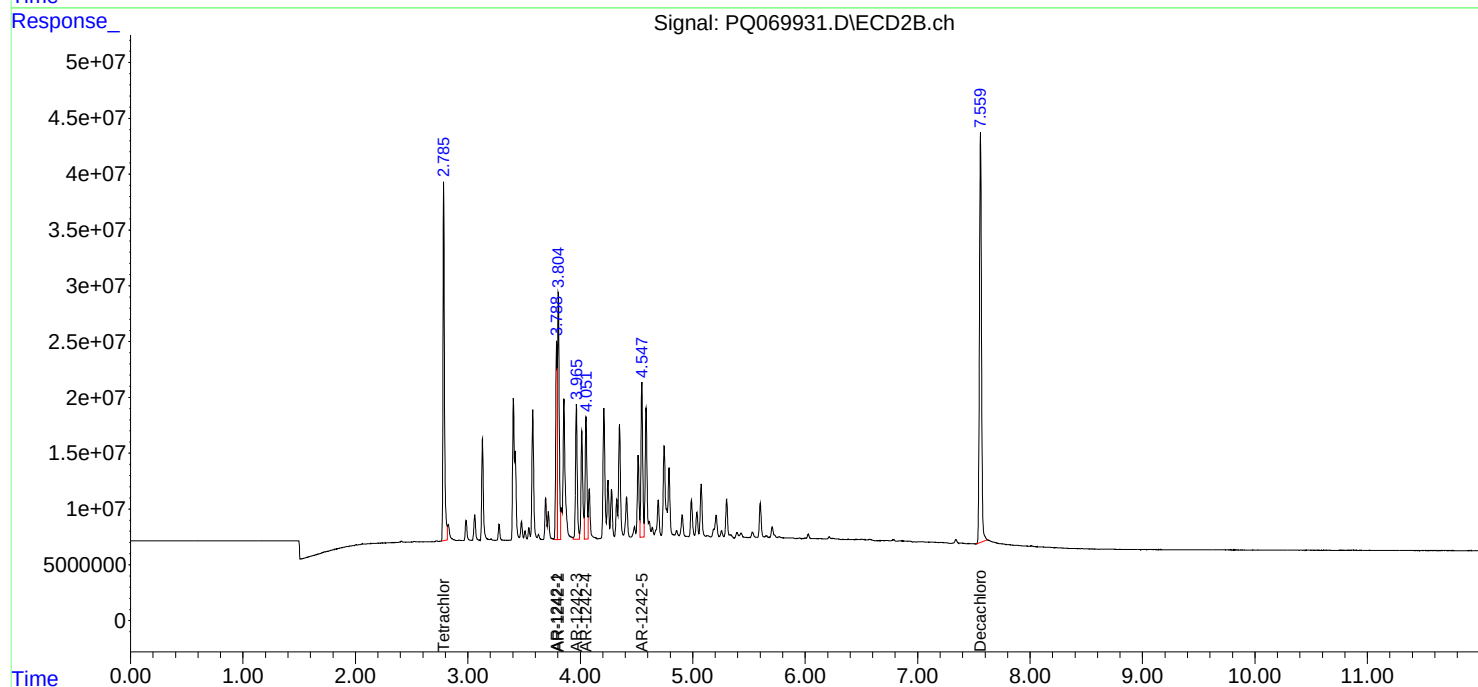
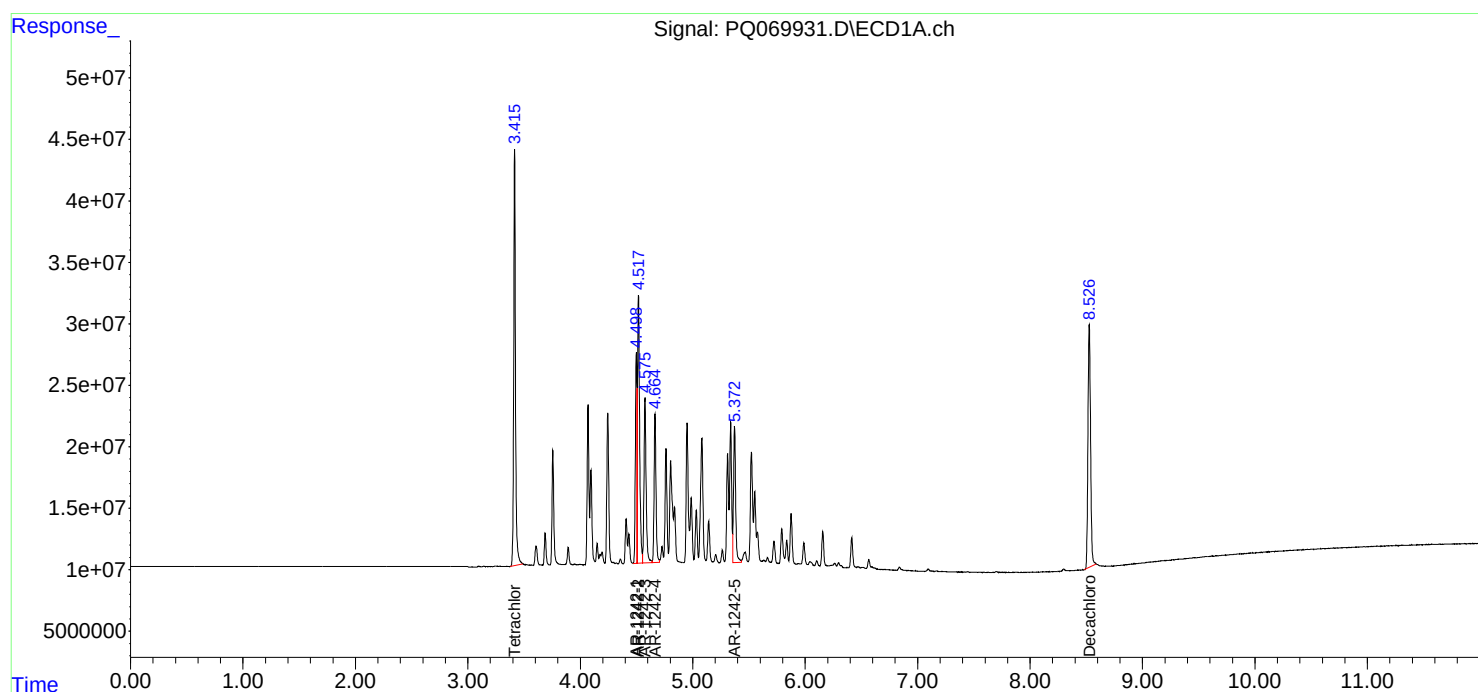
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:39
Operator : YP\AJ
Sample : AR1242ICC800
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12424034

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:09:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:03:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069932.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 20:54
 Operator : YP\AJ
 Sample : AR1242ICC1600
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12425035

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:06:00 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:03:15 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	685.3E6	557.5E6	73.283	73.725
2) SA Decachlor...	8.527	7.559	585.4E6	848.6E6	147.478	146.371
Target Compounds						
16) L4 AR-1242-1	4.499	3.789	310.2E6	273.8E6	1431.854	1435.078
17) L4 AR-1242-2	4.517	3.805	497.7E6	421.0E6	1452.571	1441.482
18) L4 AR-1242-3	4.575	3.966	314.8E6	233.4E6	1434.507	1421.015
19) L4 AR-1242-4	4.665	4.051	258.3E6	215.5E6	1440.078	1404.835
20) L4 AR-1242-5	5.372	4.547	267.9E6	273.7E6	1457.719	1427.864

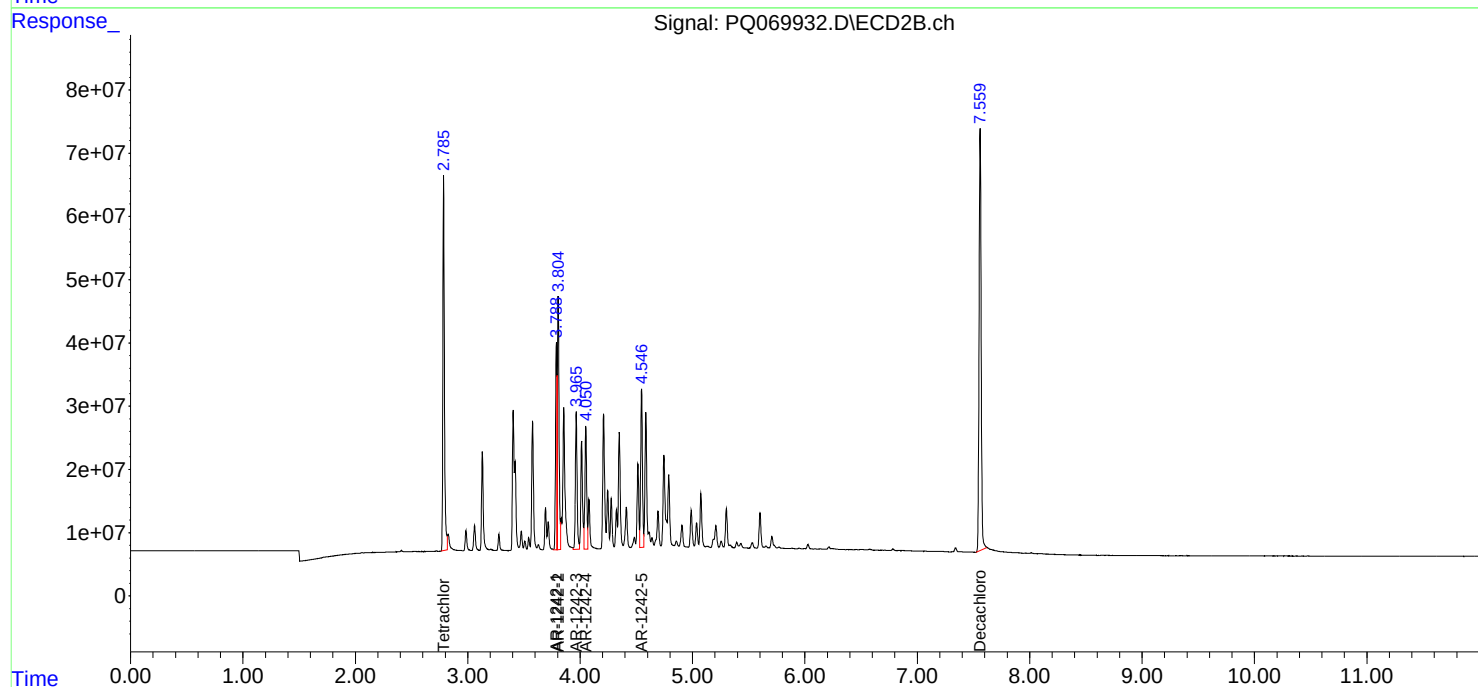
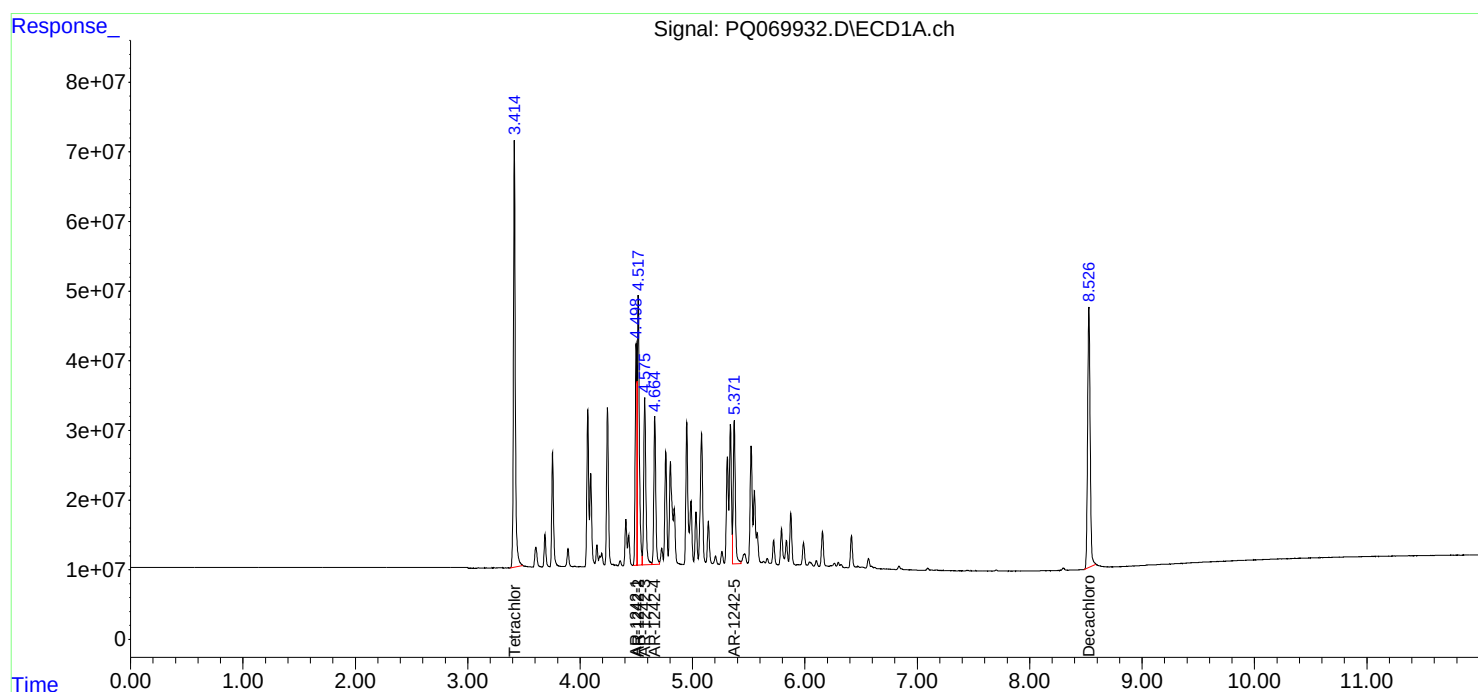
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069932.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 20:54
Operator : YP\AJ
Sample : AR1242ICC1600
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12425035

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:06:00 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:03:15 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069933.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 21:10
 Operator : YP\AJ
 Sample : AR1248ICC100
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12481036

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:55:51 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:46:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	57919564	46335736	5.787	5.589
2) SA Decachlor...	8.527	7.560	46716303	73252010	10.901	11.532
Target Compounds						
21) L5 AR-1248-1	4.499	3.788	21410473	19025940	116.761	118.271
22) L5 AR-1248-2	4.763	4.014	30004793	29900382	116.490	120.104
23) L5 AR-1248-3	4.950	4.051	35999298	28840013	115.791	119.516
24) L5 AR-1248-4	5.337	4.209	37541192	35304024	114.347	119.653
25) L5 AR-1248-5	5.373	4.585	38716062	32726343	115.063	116.275

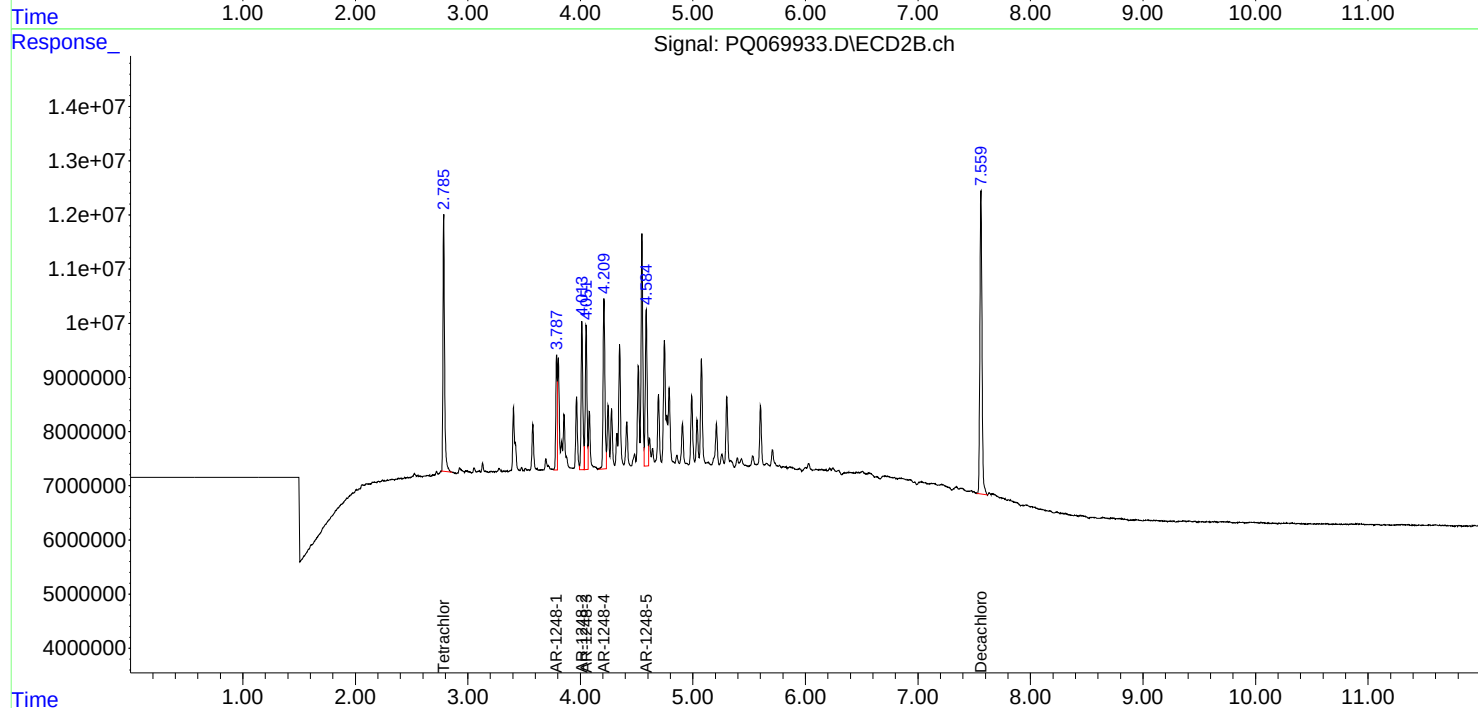
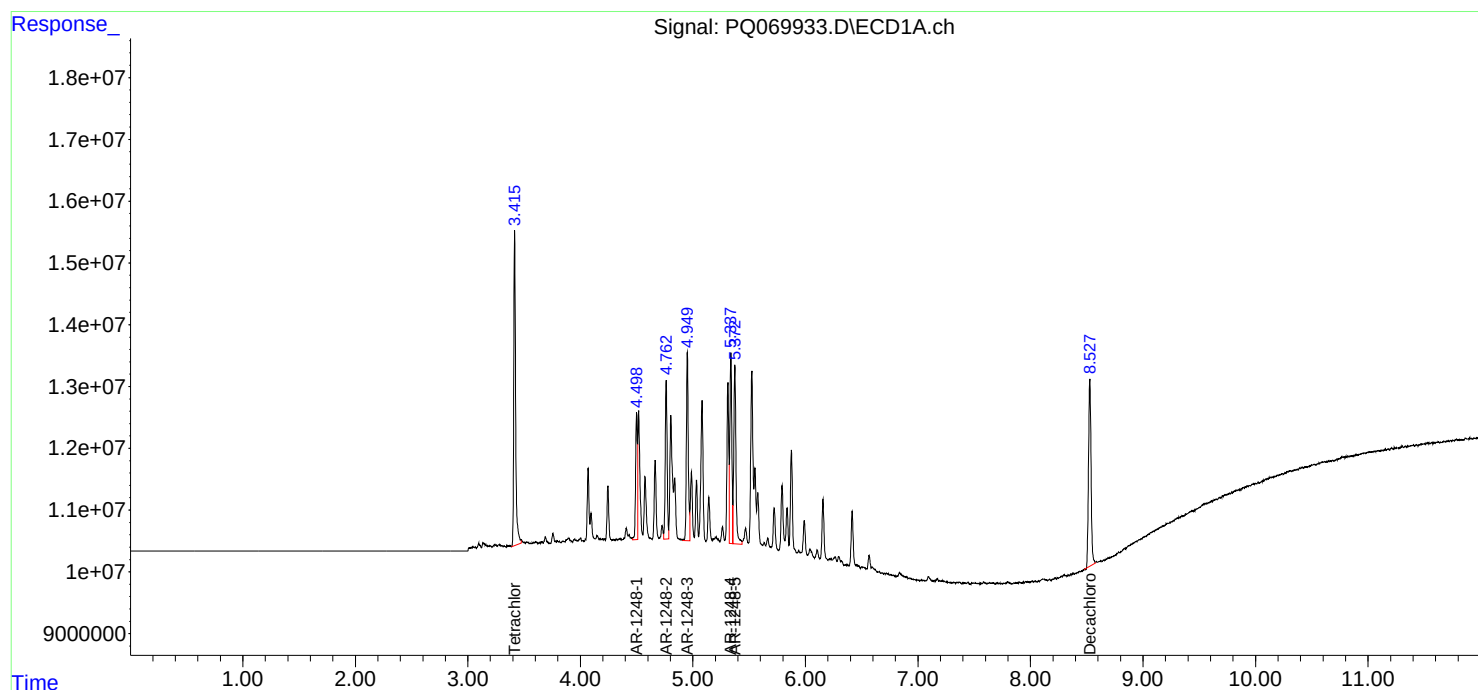
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069933.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:10
Operator : YP\AJ
Sample : AR1248ICC100
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12481036

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:55:51 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:46:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069934.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 21:25
 Operator : YP\AJ
 Sample : AR1248ICC200
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12482037

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:53:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:46:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	105.5E6	87833675	10.977	10.917
2) SA Decachlor...	8.526	7.558	90081130	136.1E6	21.504	22.283
Target Compounds						
21) L5 AR-1248-1	4.498	3.789	39431639	34512204	224.444	224.806
22) L5 AR-1248-2	4.762	4.014	55656490	54420565	225.371	230.164
23) L5 AR-1248-3	4.949	4.051	66635822	52745075	223.142	229.793
24) L5 AR-1248-4	5.338	4.209	69628115	64042252	219.971	228.269
25) L5 AR-1248-5	5.372	4.585	70849151	60572316	218.802	224.338

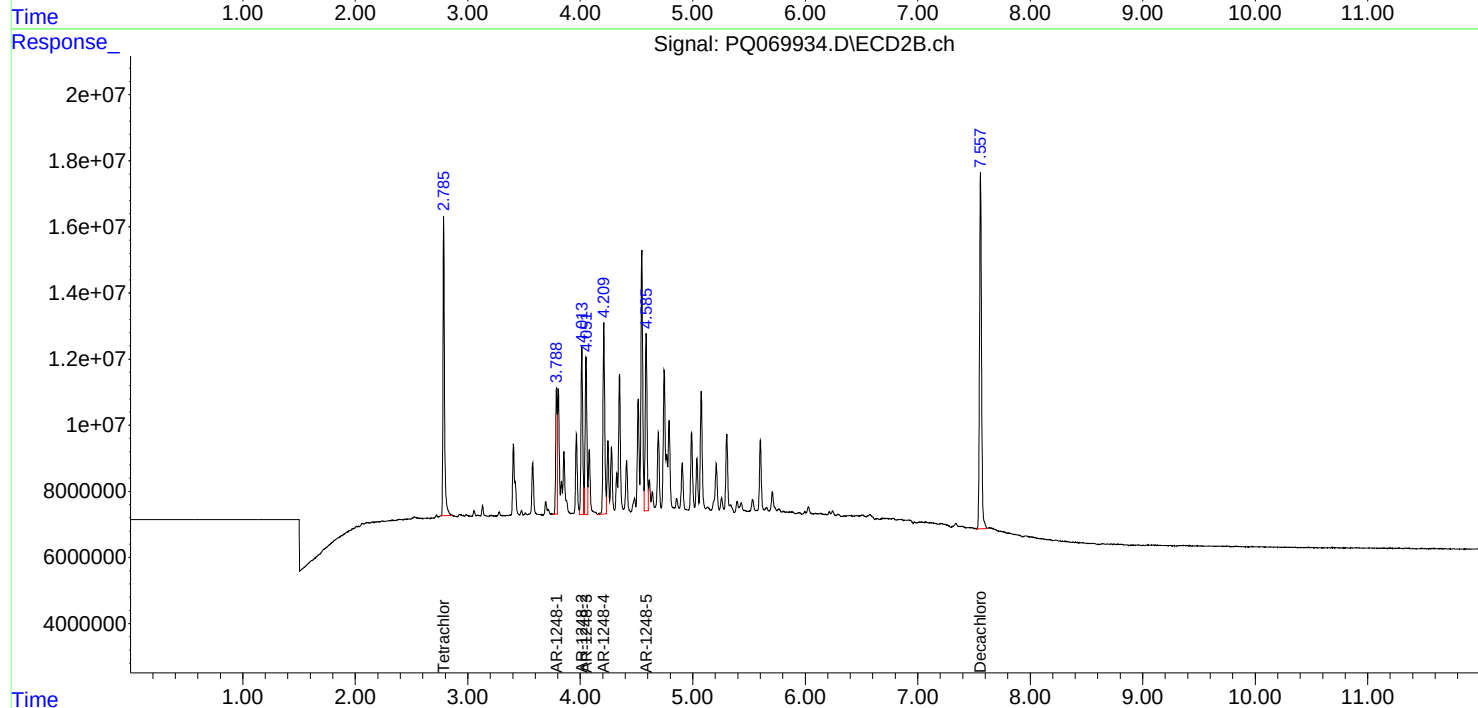
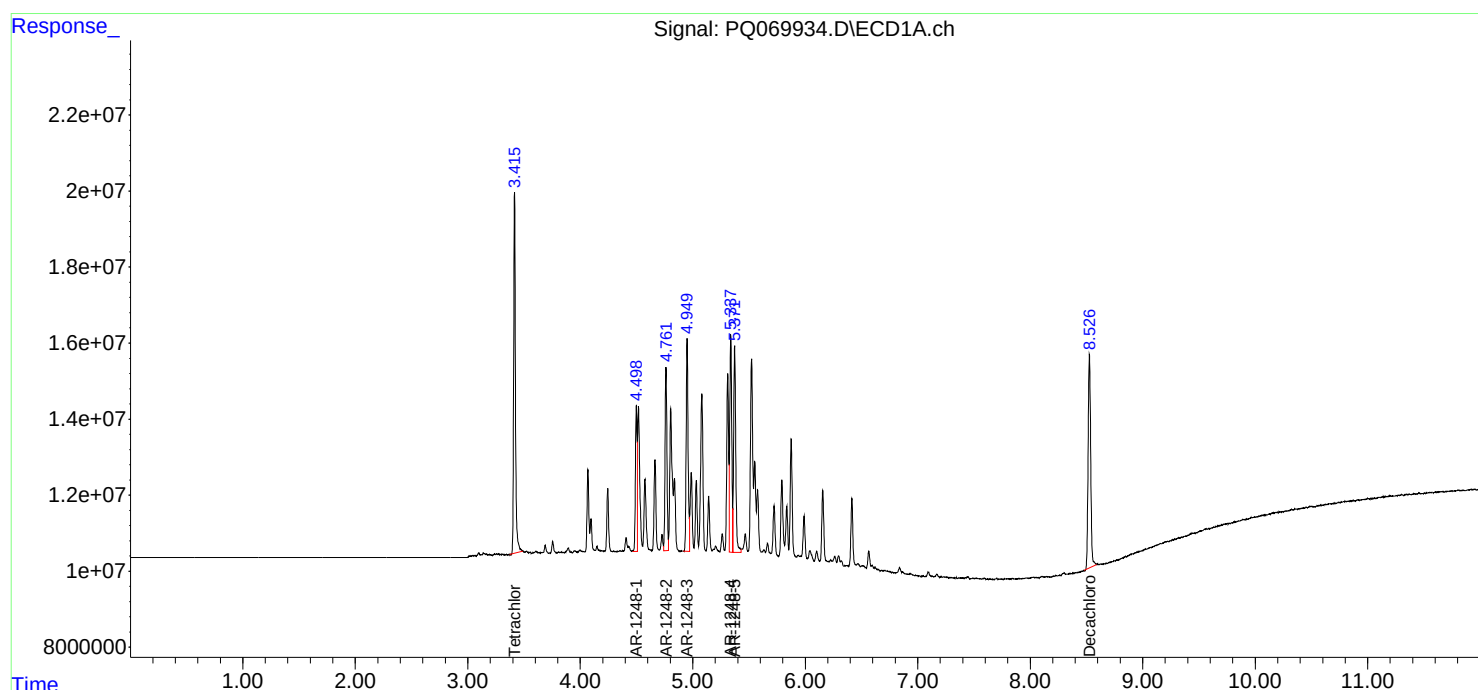
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069934.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:25
Operator : YP\AJ
Sample : AR1248ICC200
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12482037

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:53:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:46:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069935.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 21:41
 Operator : YP\AJ
 Sample : AR1248ICC400
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12483038

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:46:52 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:46:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.785	199.9E6	167.0E6	20.000	20.000
2) SA Decachlor...	8.525	7.558	175.3E6	253.1E6	40.000	40.000
Target Compounds						
21) L5 AR-1248-1	4.497	3.788	73681820	65046944	400.000	400.000
22) L5 AR-1248-2	4.761	4.013	104.4E6	99551399	400.000	400.000
23) L5 AR-1248-3	4.948	4.051	126.1E6	96570359	400.000	400.000
24) L5 AR-1248-4	5.336	4.209	133.5E6	117.5E6	400.000	400.000
25) L5 AR-1248-5	5.371	4.584	136.0E6	112.5E6	400.000	400.000

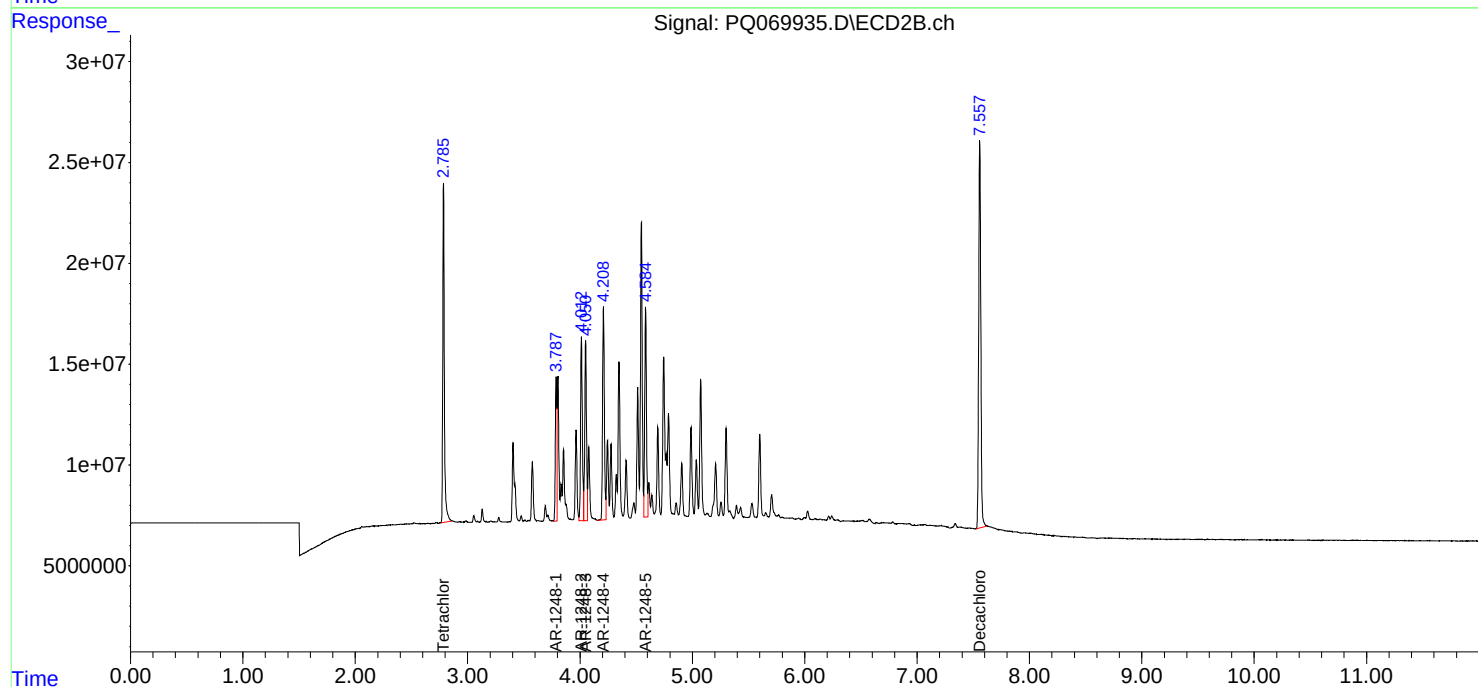
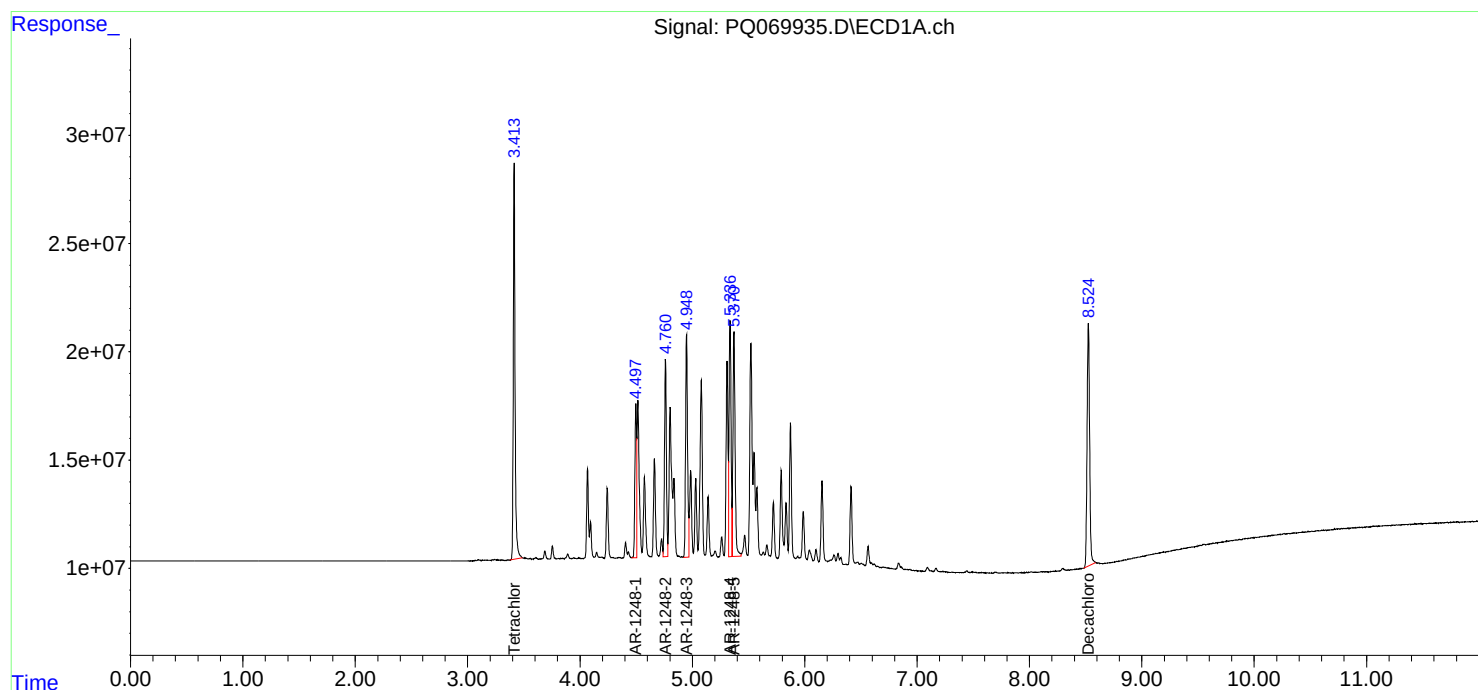
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069935.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:41
Operator : YP\AJ
Sample : AR1248ICC400
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12483038

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:46:52 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:46:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069936.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 21:56
 Operator : YP\AJ
 Sample : AR1248ICC800
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12484039

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:51:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:46:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.786	374.6E6	314.2E6	40.268	40.281
2) SA Decachlor...	8.524	7.558	329.2E6	470.6E6	80.605	80.088
Target Compounds						
21) L5 AR-1248-1	4.497	3.789	135.7E6	117.4E6	805.320	797.659
22) L5 AR-1248-2	4.761	4.014	189.7E6	179.2E6	802.009	797.937
23) L5 AR-1248-3	4.948	4.051	230.9E6	173.9E6	804.104	797.087
24) L5 AR-1248-4	5.337	4.209	245.6E6	213.4E6	802.631	798.145
25) L5 AR-1248-5	5.371	4.585	253.1E6	207.2E6	806.992	799.819

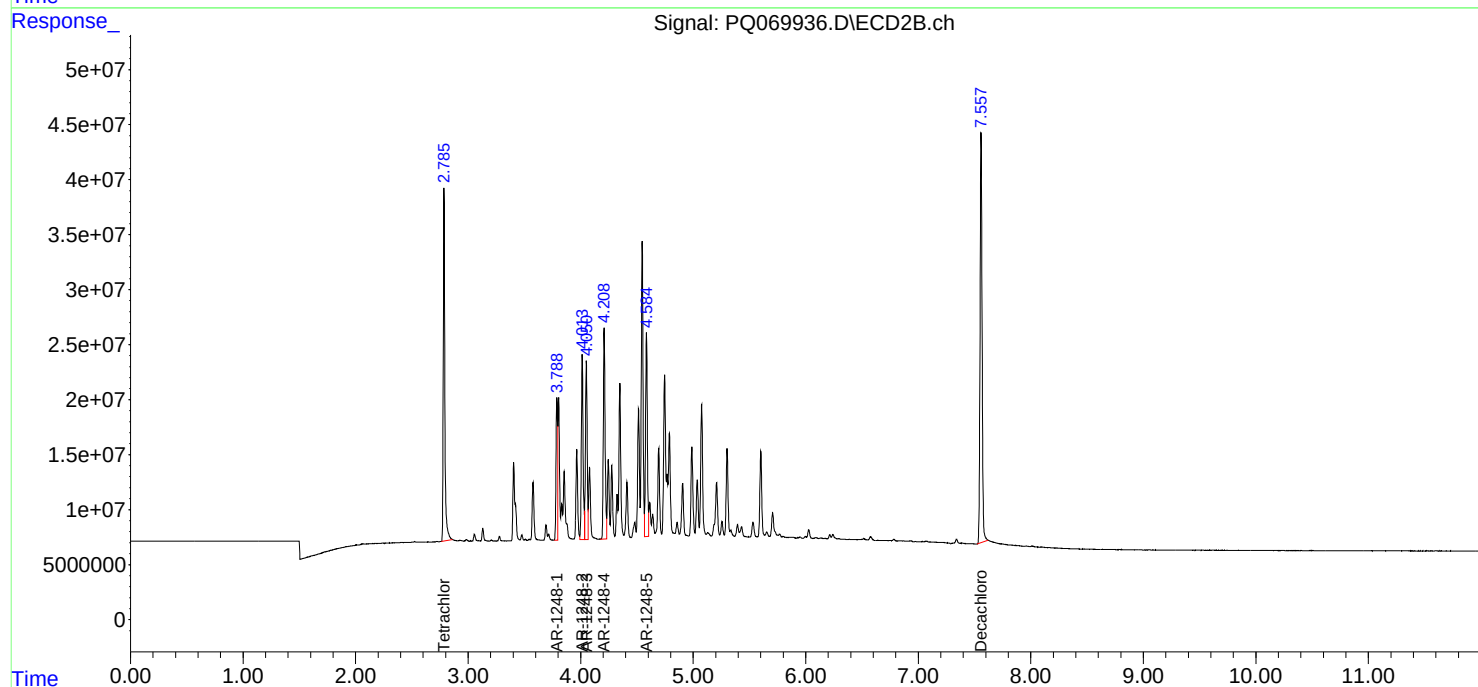
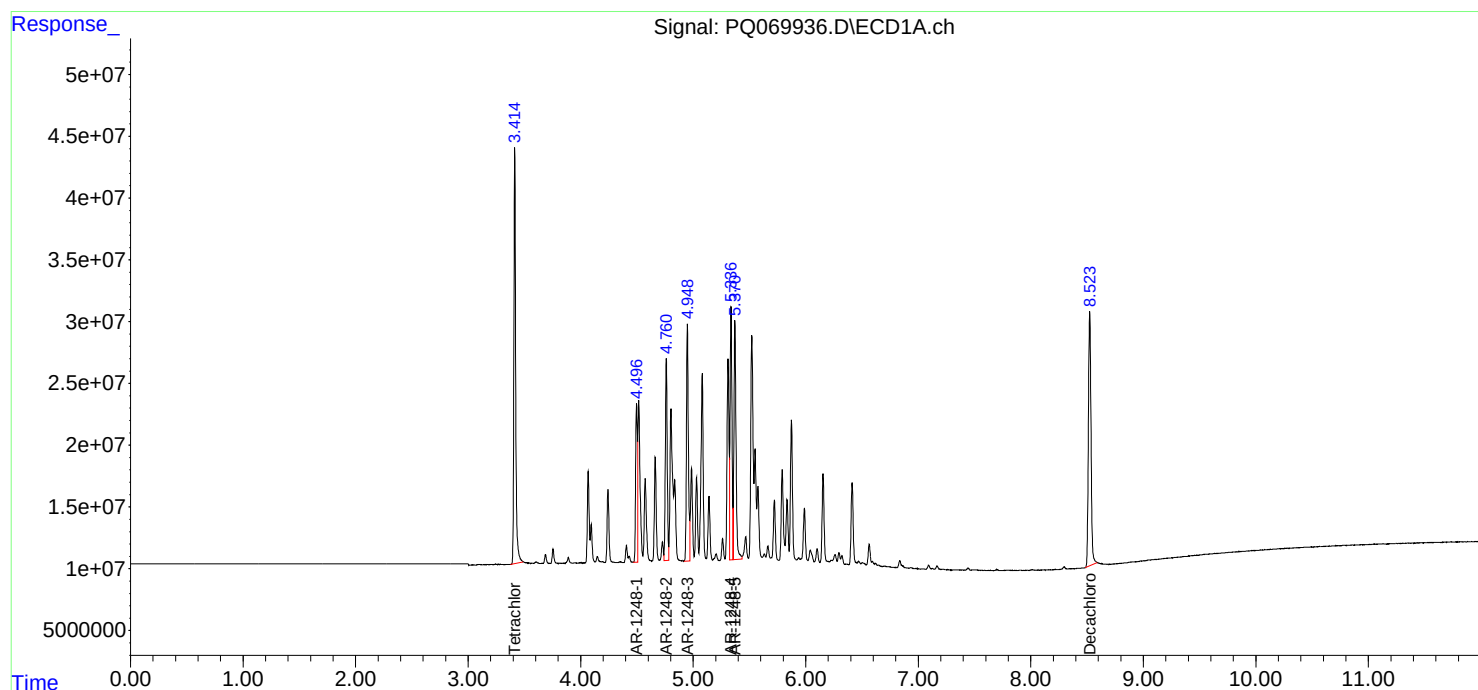
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069936.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 21:56
Operator : YP\AJ
Sample : AR1248ICC800
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12484039

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:51:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:46:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069937.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 22:11
 Operator : YP\AJ
 Sample : AR1248ICC1600
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12485040

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 12:49:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 12:46:34 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	683.9E6	575.6E6	73.765	74.060
2) SA Decachlor...	8.525	7.559	600.9E6	866.8E6	147.681	147.590
Target Compounds						
21) L5 AR-1248-1	4.497	3.788	242.8E6	211.5E6	1445.332	1434.680
22) L5 AR-1248-2	4.762	4.013	338.3E6	321.3E6	1432.338	1428.981
23) L5 AR-1248-3	4.949	4.051	412.1E6	313.0E6	1439.062	1432.382
24) L5 AR-1248-4	5.336	4.209	443.6E6	386.3E6	1452.235	1443.444
25) L5 AR-1248-5	5.371	4.585	455.4E6	379.0E6	1458.200	1462.993

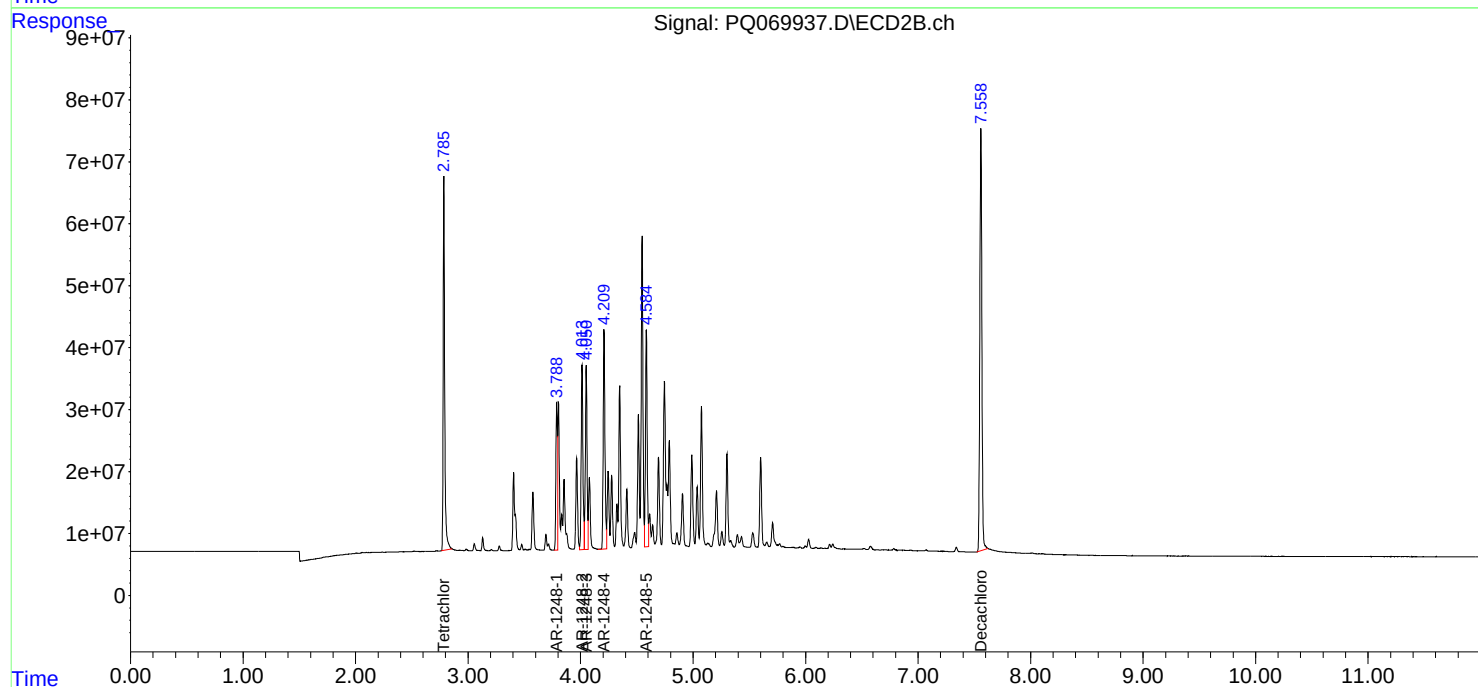
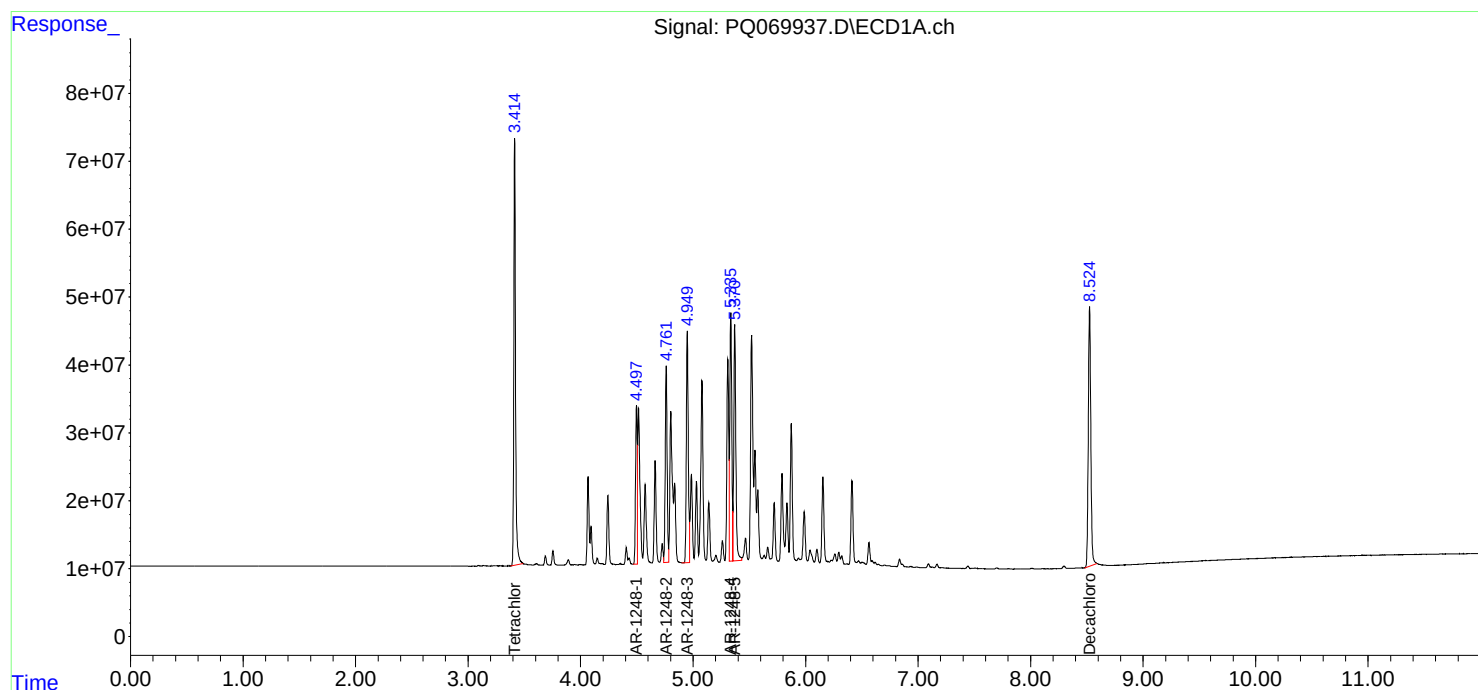
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069937.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:11
Operator : YP\AJ
Sample : AR1248ICC1600
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12485040

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 12:49:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 12:46:34 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069938.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 22:27
 Operator : YP\AJ
 Sample : AR1254ICC100
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12541041

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 13:11:21 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:00:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.786	58219089	47628730	5.738	5.702
2) SA Decachlor...	8.525	7.558	47823213	74326347	11.034	11.622
Target Compounds						
26) L6 AR-1254-1	5.312	4.547	42254075	51993048	118.833	118.405
27) L6 AR-1254-2	5.526	4.693	63036867	46390531	117.523	119.668
28) L6 AR-1254-3	5.875	5.075	64061532	71249369	115.200	115.625
29) L6 AR-1254-4	6.155	5.301	42091746	42002920	114.236	115.430
30) L6 AR-1254-5	6.564	5.707	47630094	60475717	114.361	110.338

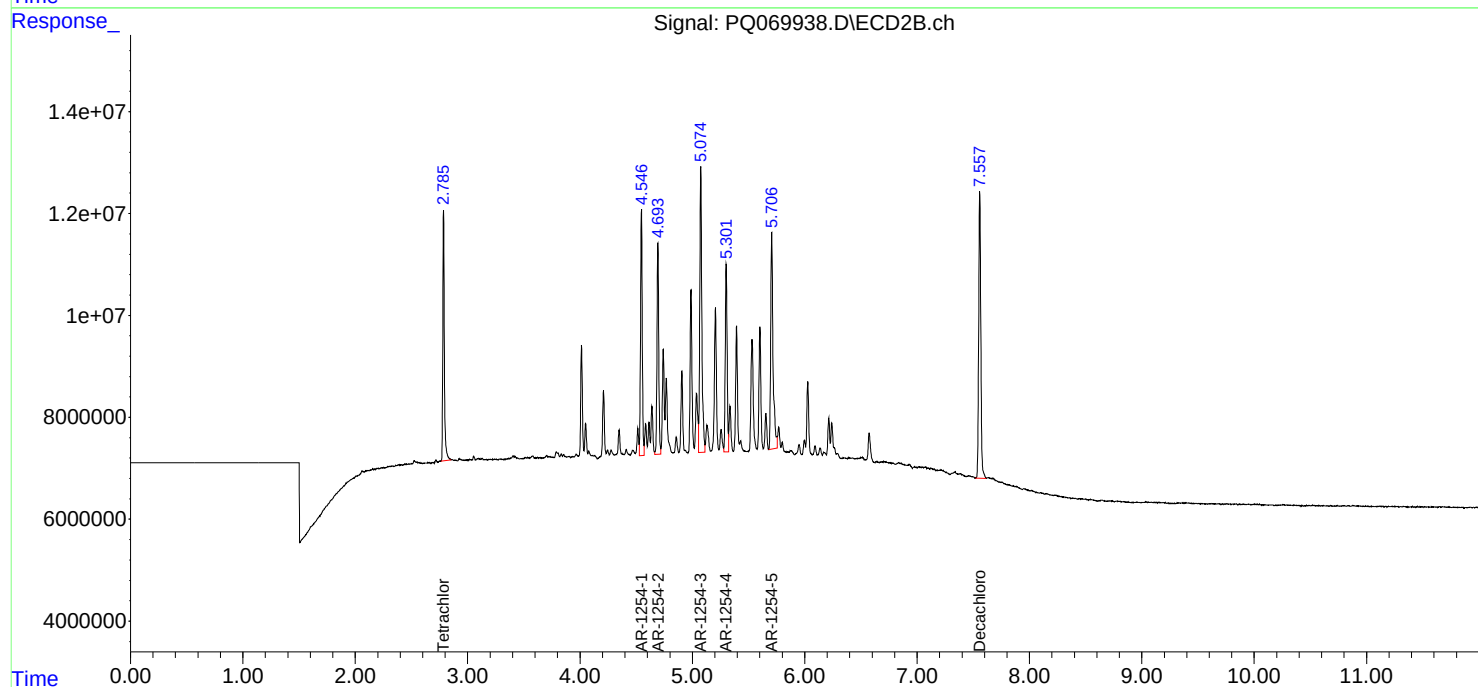
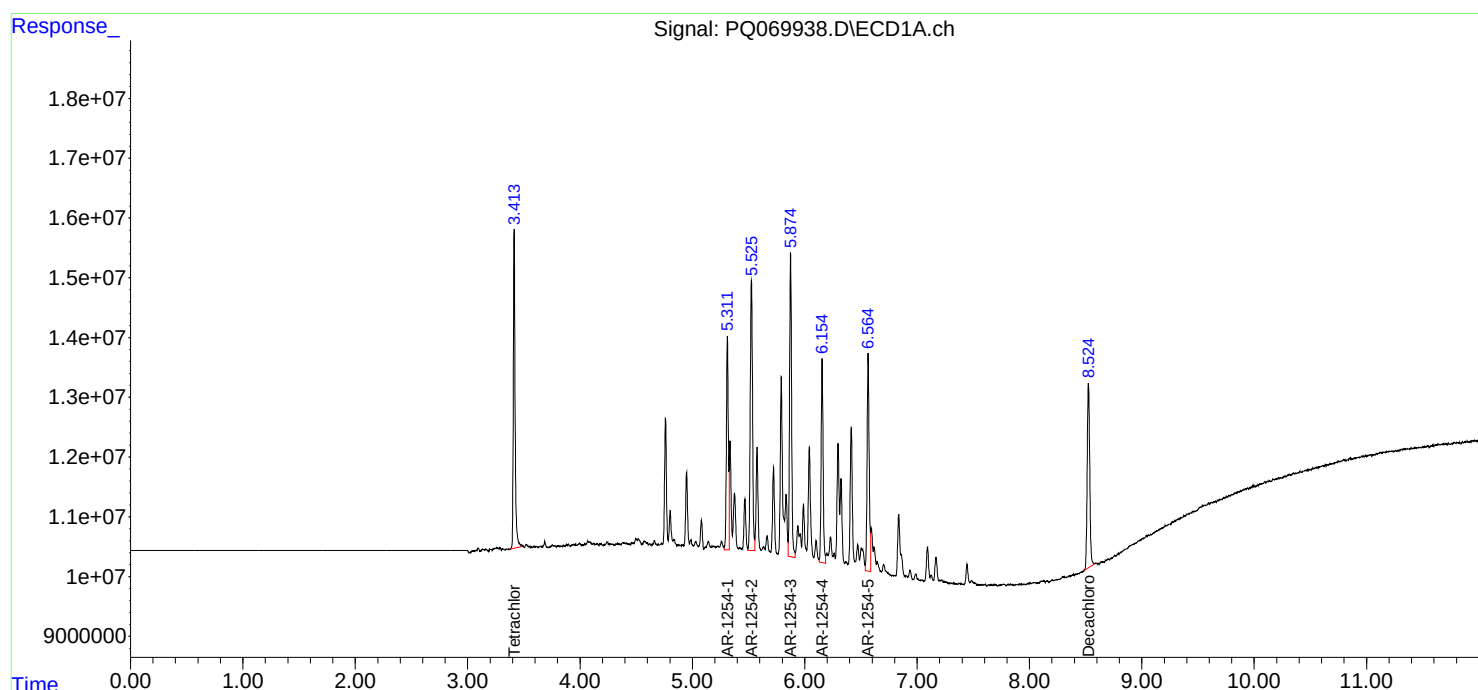
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:27
Operator : YP\AJ
Sample : AR1254ICC100
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12541041

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:11:21 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:00:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069939.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 22:42
 Operator : YP\AJ
 Sample : AR1254ICC200
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12542042

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 13:08:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:00:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	110.3E6	89205233	11.283	11.067
2) SA Decachlor...	8.525	7.558	93054072	137.4E6	22.039	22.384
Target Compounds						
26) L6 AR-1254-1	5.313	4.546	78478836	95449596	231.616	227.855
27) L6 AR-1254-2	5.527	4.693	116.4E6	84599969	226.893	229.518
28) L6 AR-1254-3	5.875	5.075	119.5E6	133.3E6	223.342	225.158
29) L6 AR-1254-4	6.156	5.301	78323501	79201784	220.414	226.391
30) L6 AR-1254-5	6.565	5.707	87659486	119.2E6	218.311	223.178

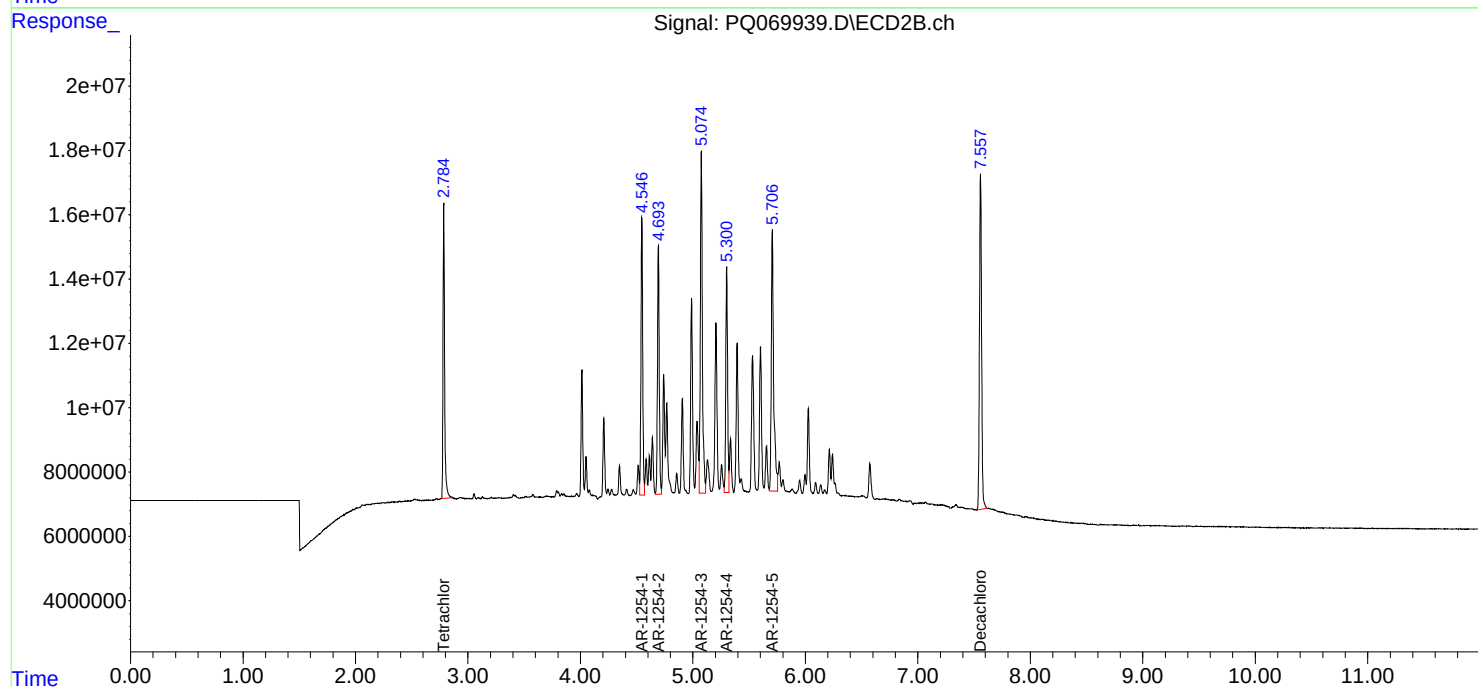
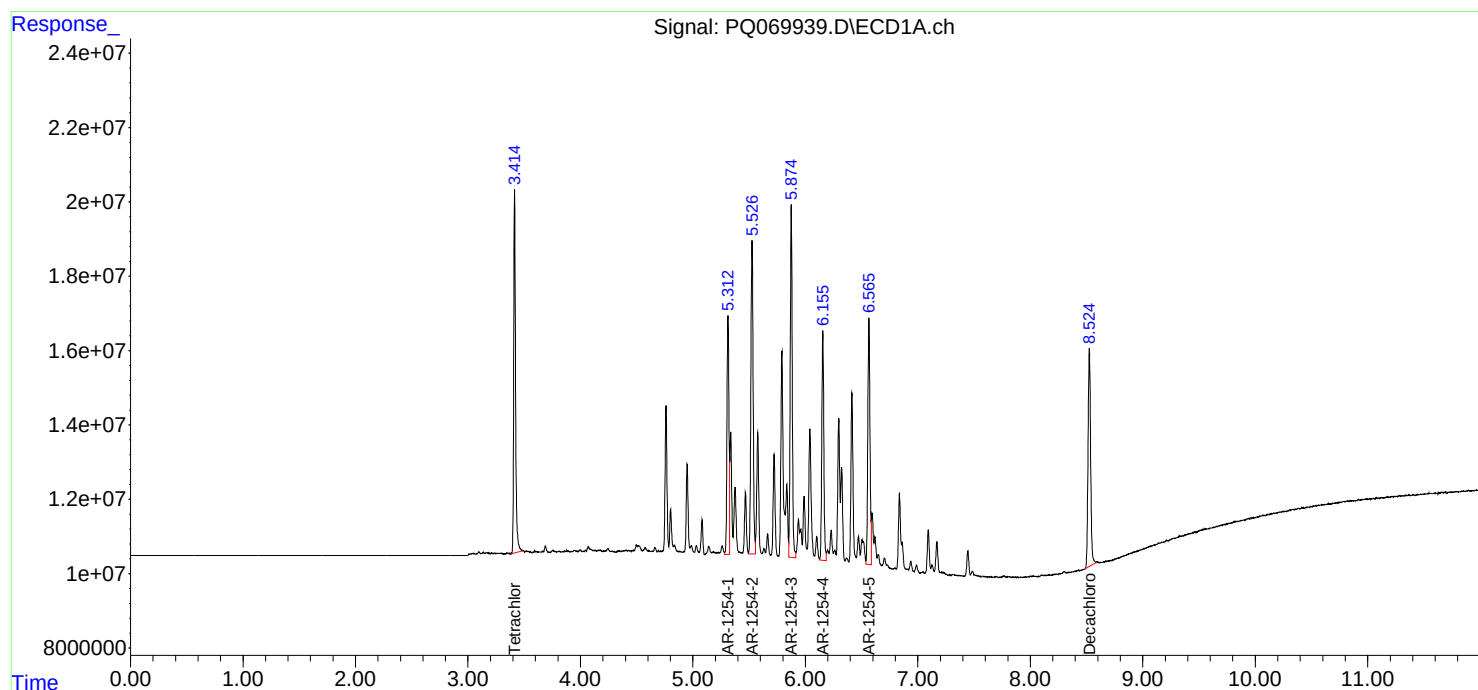
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069939.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:42
Operator : YP\AJ
Sample : AR1254ICC200
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12542042

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:08:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:00:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069940.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 22:58
 Operator : YP\AJ
 Sample : AR1254ICC400
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12543043

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 13:00:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:00:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.785	202.0E6	167.6E6	20.000	20.000
2) SA Decachlor...	8.525	7.558	174.6E6	253.8E6	40.000	40.000
Target Compounds						
26) L6 AR-1254-1	5.311	4.546	140.7E6	174.5E6	400.000	400.000
27) L6 AR-1254-2	5.526	4.693	214.0E6	153.7E6	400.000	400.000
28) L6 AR-1254-3	5.874	5.075	222.0E6	245.2E6	400.000	400.000
29) L6 AR-1254-4	6.155	5.301	148.7E6	145.5E6	400.000	400.000
30) L6 AR-1254-5	6.564	5.707	167.4E6	223.3E6	400.000	400.000

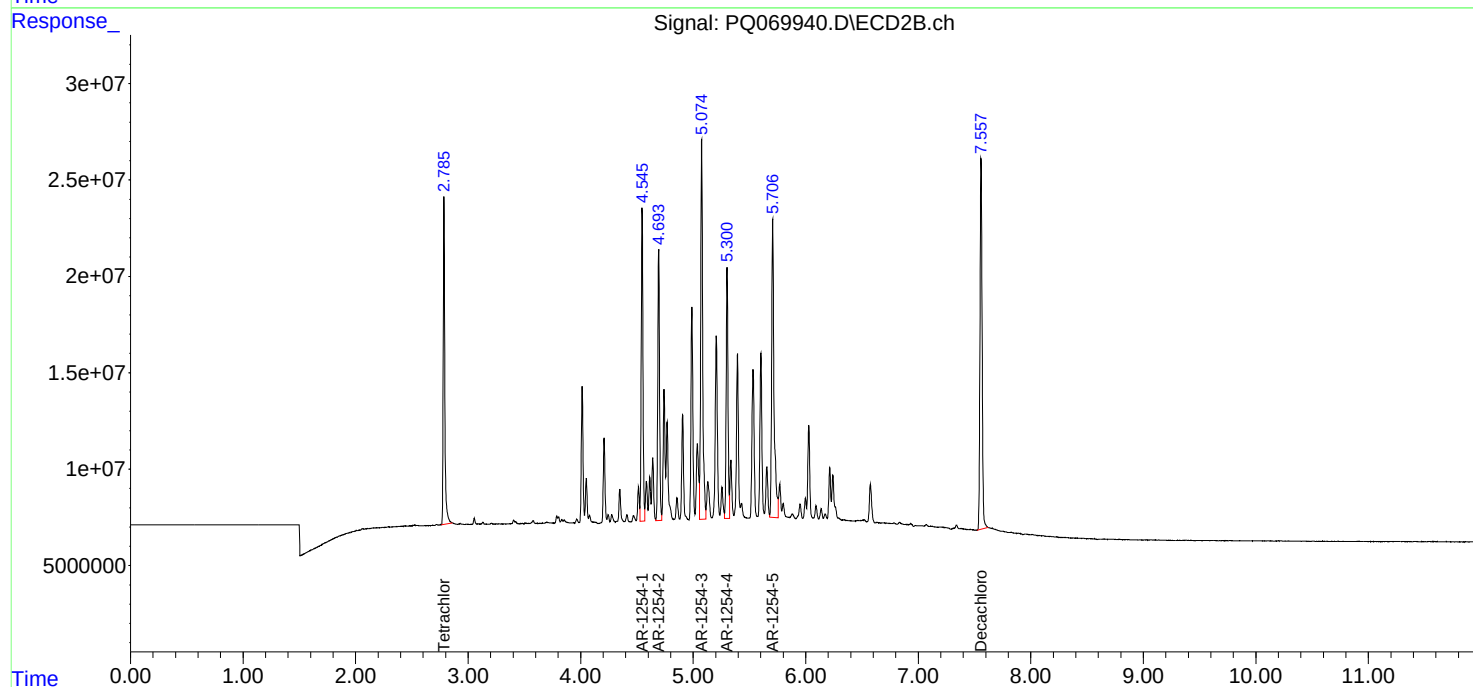
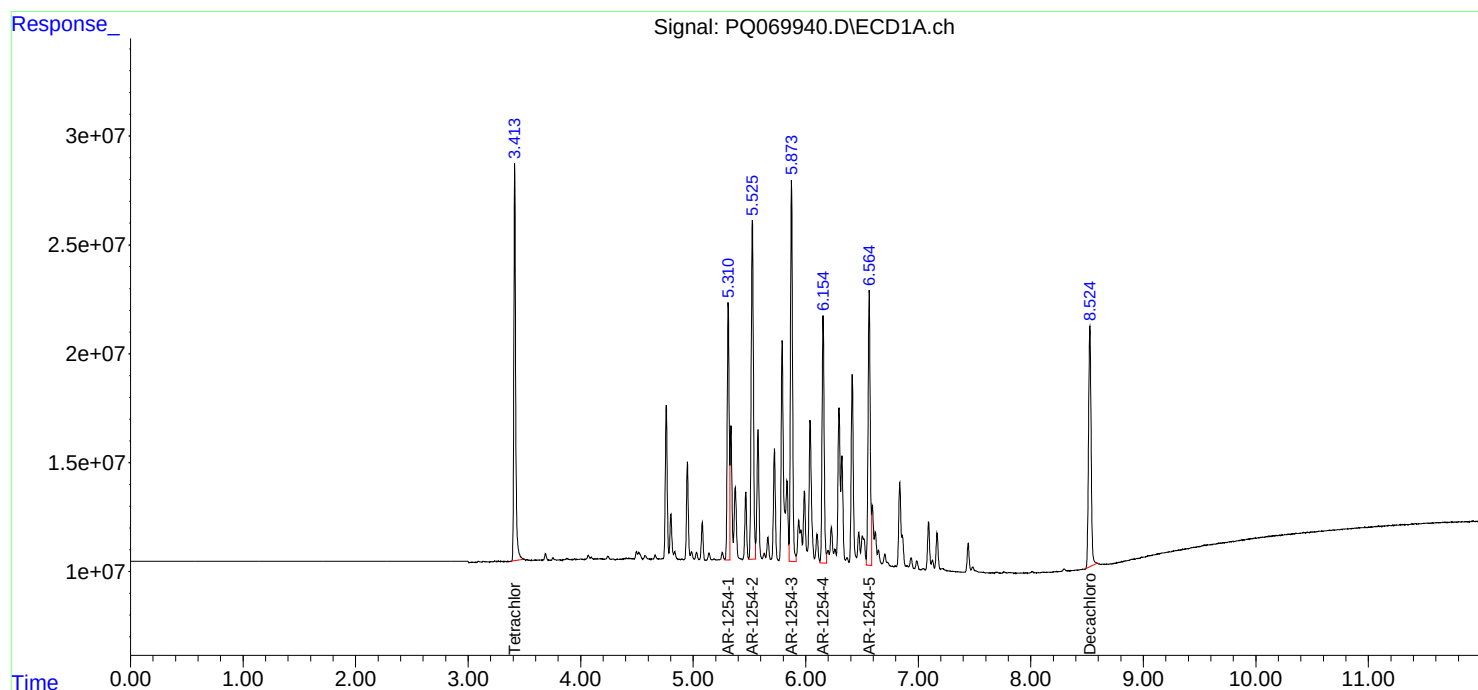
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069940.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 22:58
Operator : YP\AJ
Sample : AR1254ICC400
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12543043

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:00:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:00:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069941.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 23:13
 Operator : YP\AJ
 Sample : AR1254ICC800
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12544044

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 13:05:58 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:00:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	376.0E6	312.1E6	40.195	40.149
2) SA Decachlor...	8.524	7.559	328.2E6	473.0E6	80.467	80.271
Target Compounds						
26) L6 AR-1254-1	5.312	4.546	257.8E6	320.7E6	803.131	802.757
27) L6 AR-1254-2	5.526	4.693	393.8E6	281.3E6	803.898	802.567
28) L6 AR-1254-3	5.875	5.075	413.5E6	456.6E6	804.239	804.894
29) L6 AR-1254-4	6.155	5.301	274.7E6	266.7E6	800.406	797.521
30) L6 AR-1254-5	6.564	5.707	312.5E6	410.2E6	802.888	799.189

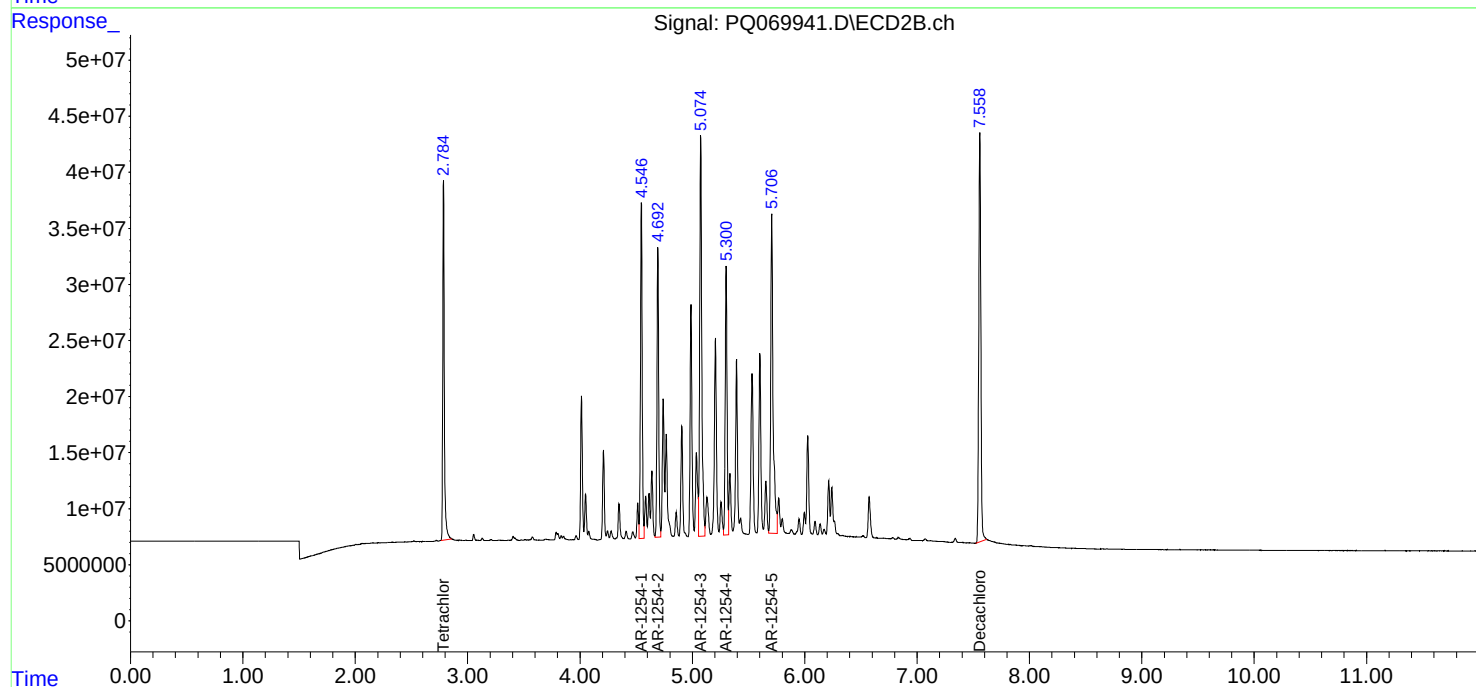
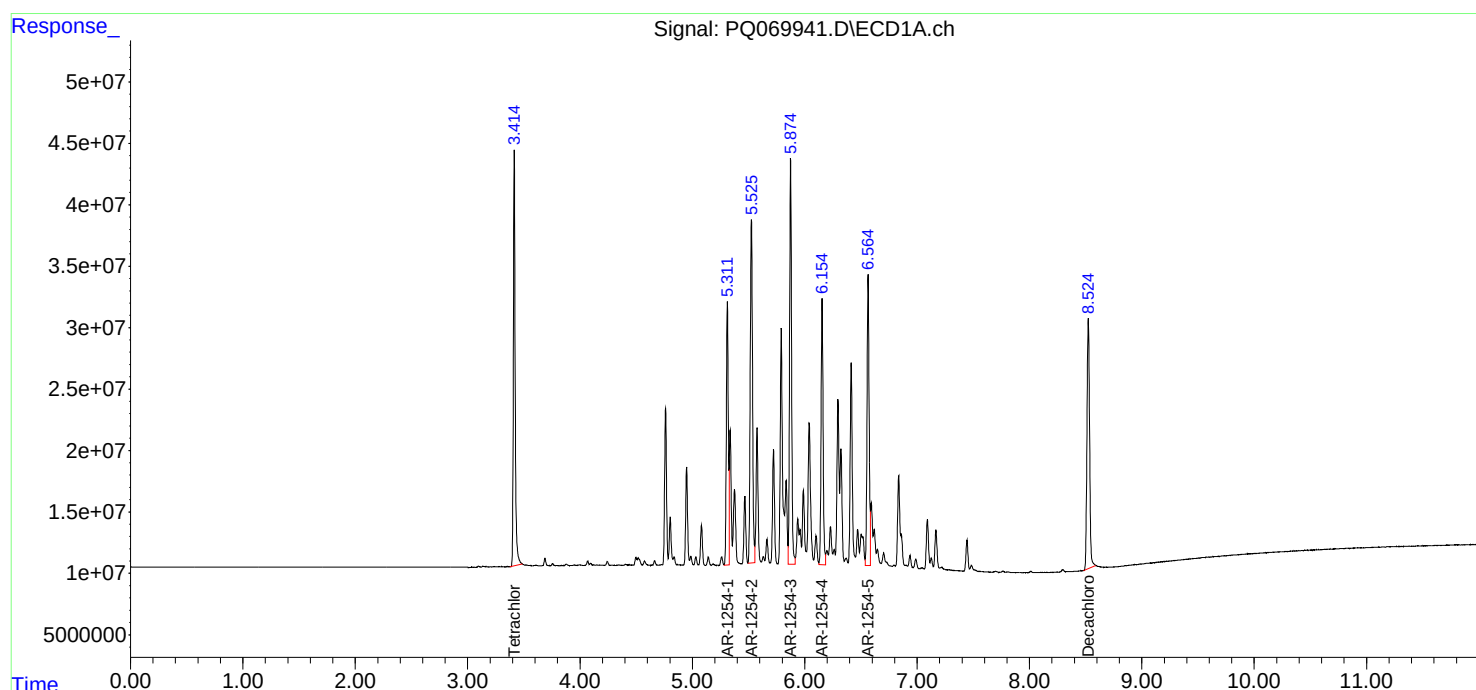
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069941.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:13
Operator : YP\AJ
Sample : AR1254ICC800
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12544044

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:05:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:00:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069942.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 23:29
 Operator : YP\AJ
 Sample : AR1254ICC1600
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12545045

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 13:03:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:00:31 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	684.8E6	571.2E6	73.388	73.617
2) SA Decachlor...	8.525	7.558	603.1E6	867.2E6	148.288	147.414
Target Compounds						
26) L6 AR-1254-1	5.312	4.547	462.4E6	578.0E6	1443.272	1449.491
27) L6 AR-1254-2	5.527	4.693	708.0E6	505.0E6	1448.671	1443.294
28) L6 AR-1254-3	5.875	5.075	752.9E6	829.2E6	1468.228	1466.076
29) L6 AR-1254-4	6.155	5.302	503.2E6	489.8E6	1466.436	1462.162
30) L6 AR-1254-5	6.565	5.707	573.9E6	750.0E6	1476.948	1460.432

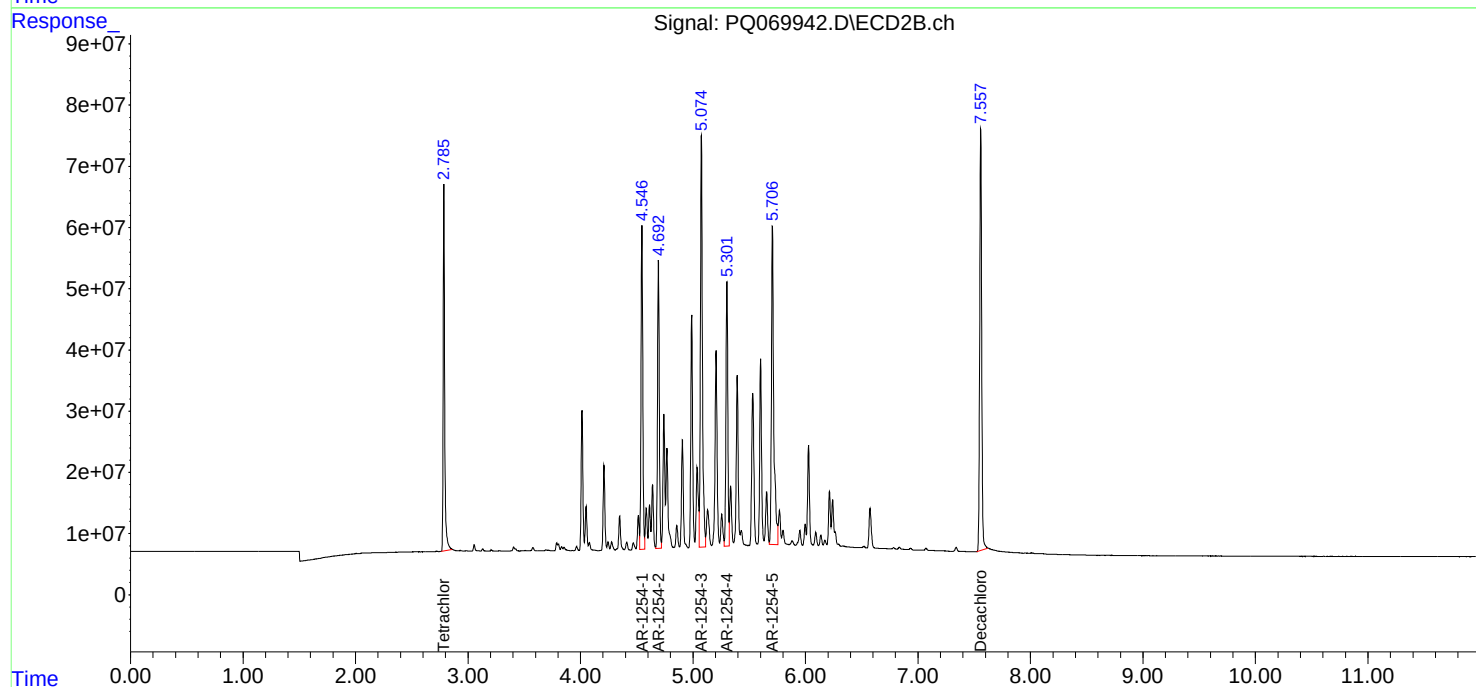
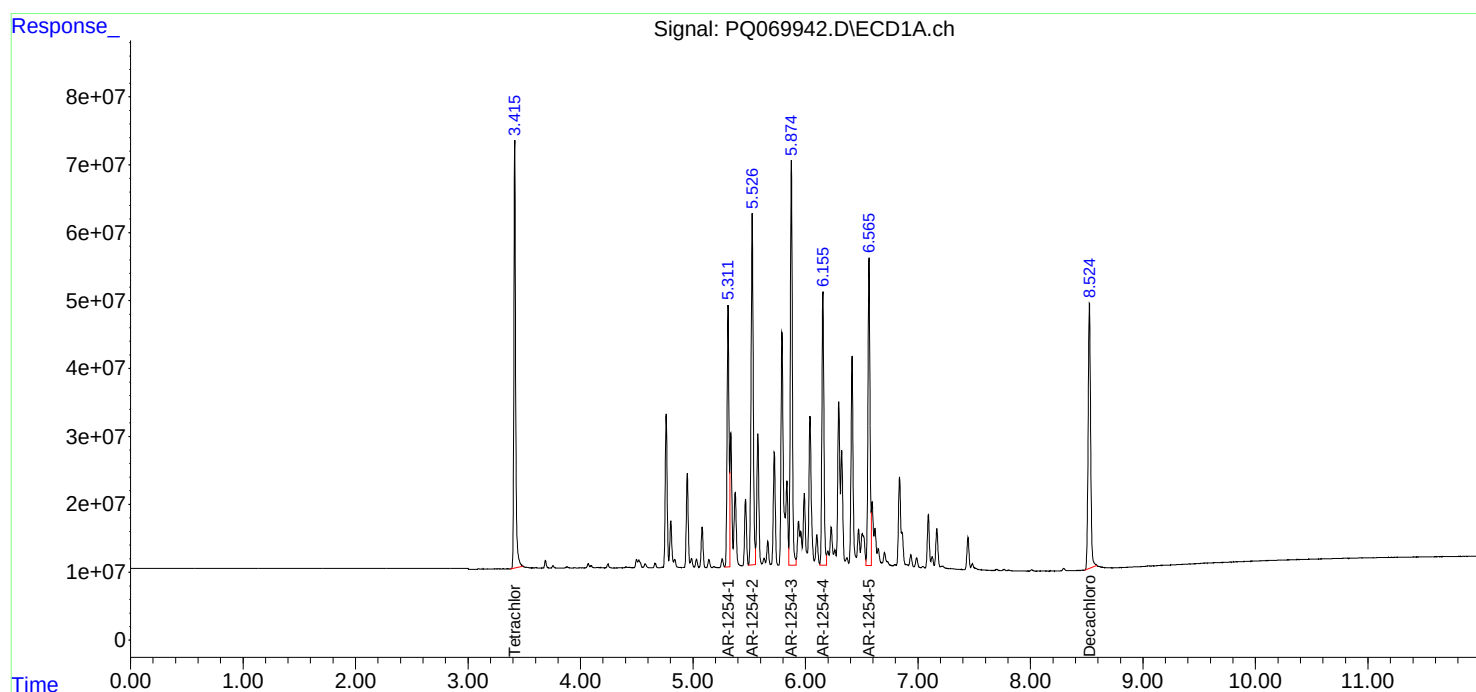
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069942.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:29
Operator : YP\AJ
Sample : AR1254ICC1600
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12545045

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:03:23 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:00:31 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069943.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 23:44
 Operator : YP\AJ
 Sample : AR1262ICC100
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12621046

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:25:45 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.413	2.785	59608987	48090364	5.806	5.854
2) SA Decachlor...	8.522	7.557	49980173	75192480	11.185	11.843
Target Compounds						
36) L8 AR-1262-1	6.860	5.749	55757489	67994618	114.626	118.273
37) L8 AR-1262-2	7.166	5.997	93409443	63775823	115.027	119.311
38) L8 AR-1262-3	7.439	6.520	61955649	50071484	116.230	119.309
39) L8 AR-1262-4	7.513	6.580	49380661	89629028	110.874	116.581
40) L8 AR-1262-5	8.009	7.071	27271356	40549009	110.520	116.048

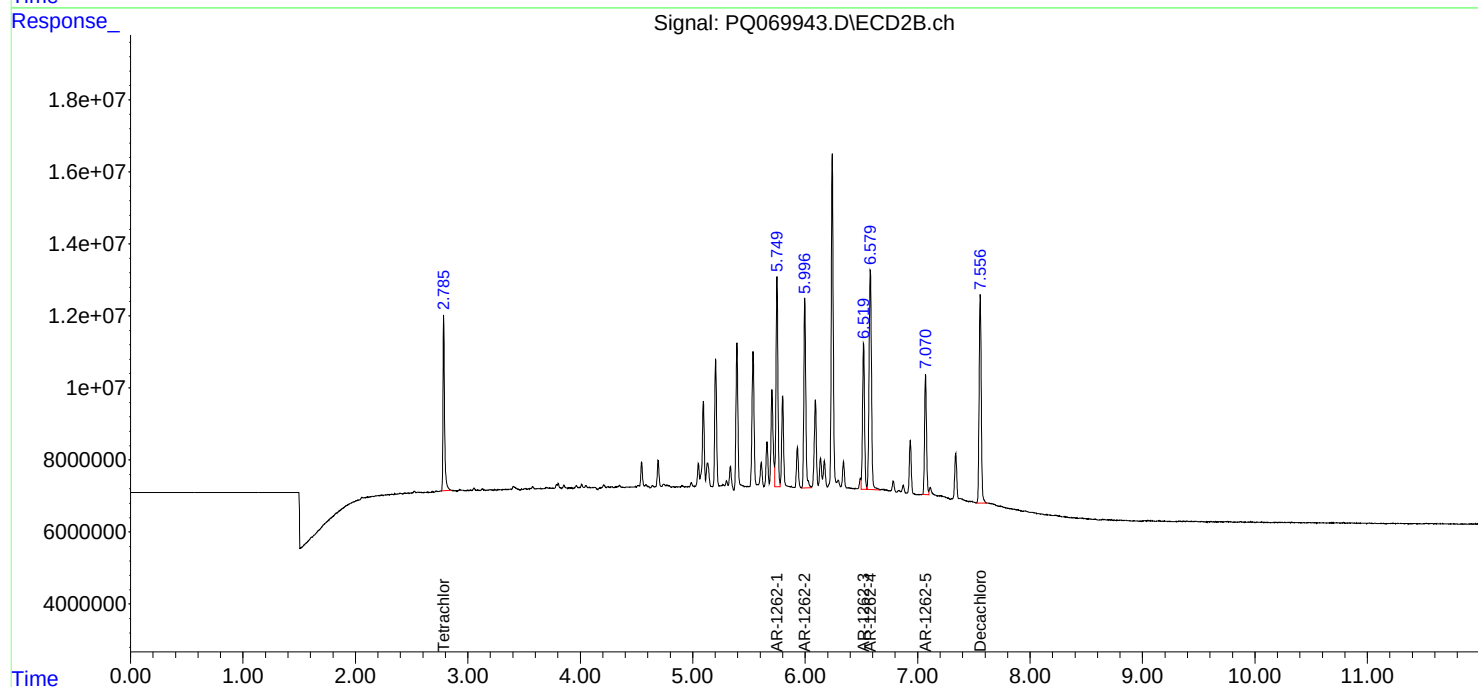
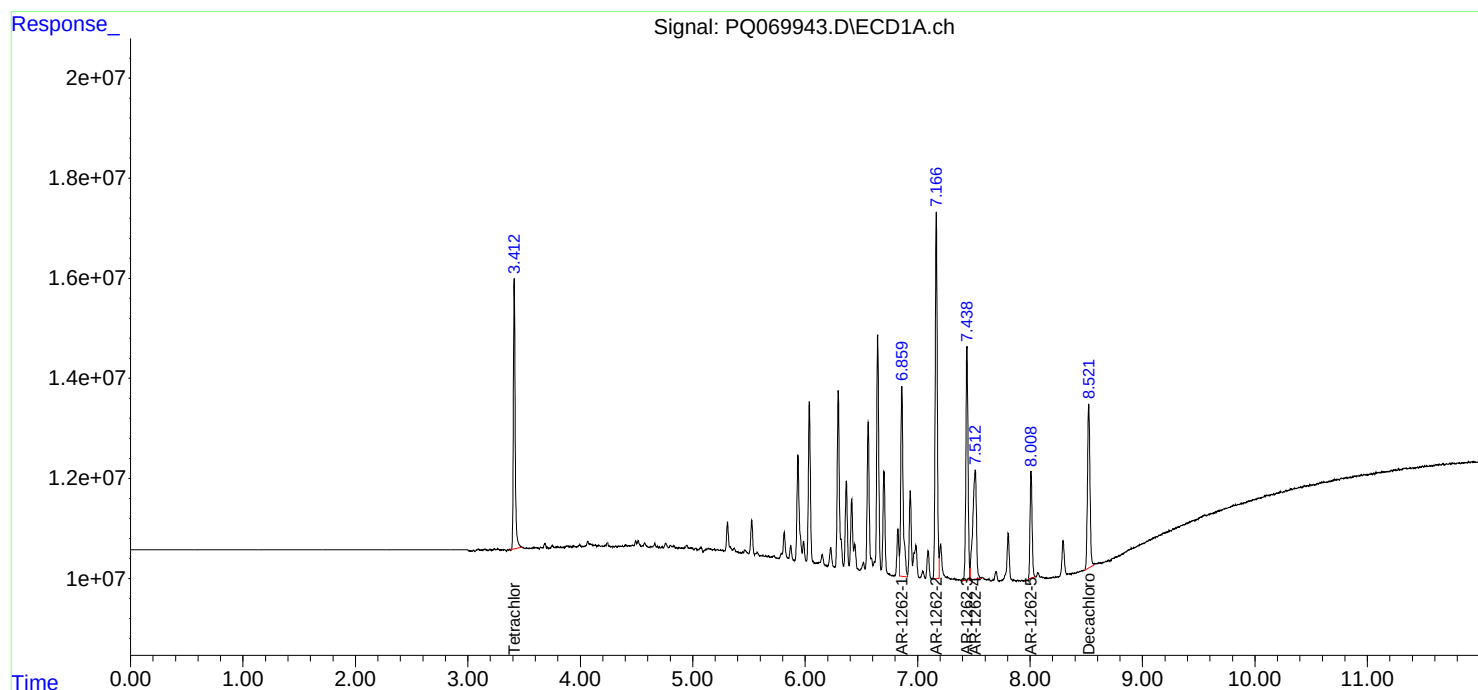
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069943.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:44
Operator : YP\AJ
Sample : AR1262ICC100
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12621046

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:25:45 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069944.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Feb 2025 23:59
 Operator : YP\AJ
 Sample : AR1262ICC200
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12622047

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.785	109.9E6	87755539	10.702	10.682
2) SA Decachlor...	8.523	7.557	96455955	137.5E6	21.586	21.651
Target Compounds						
36) L8 AR-1262-1	6.862	5.750	105.4E6	126.0E6	216.605	219.128
37) L8 AR-1262-2	7.169	5.997	173.6E6	117.0E6	213.776	218.902
38) L8 AR-1262-3	7.442	6.520	116.1E6	89679613	217.887	213.687
39) L8 AR-1262-4	7.515	6.581	95788988	161.9E6	215.074	210.643
40) L8 AR-1262-5	8.013	7.071	52728608	74121215	213.687	212.129

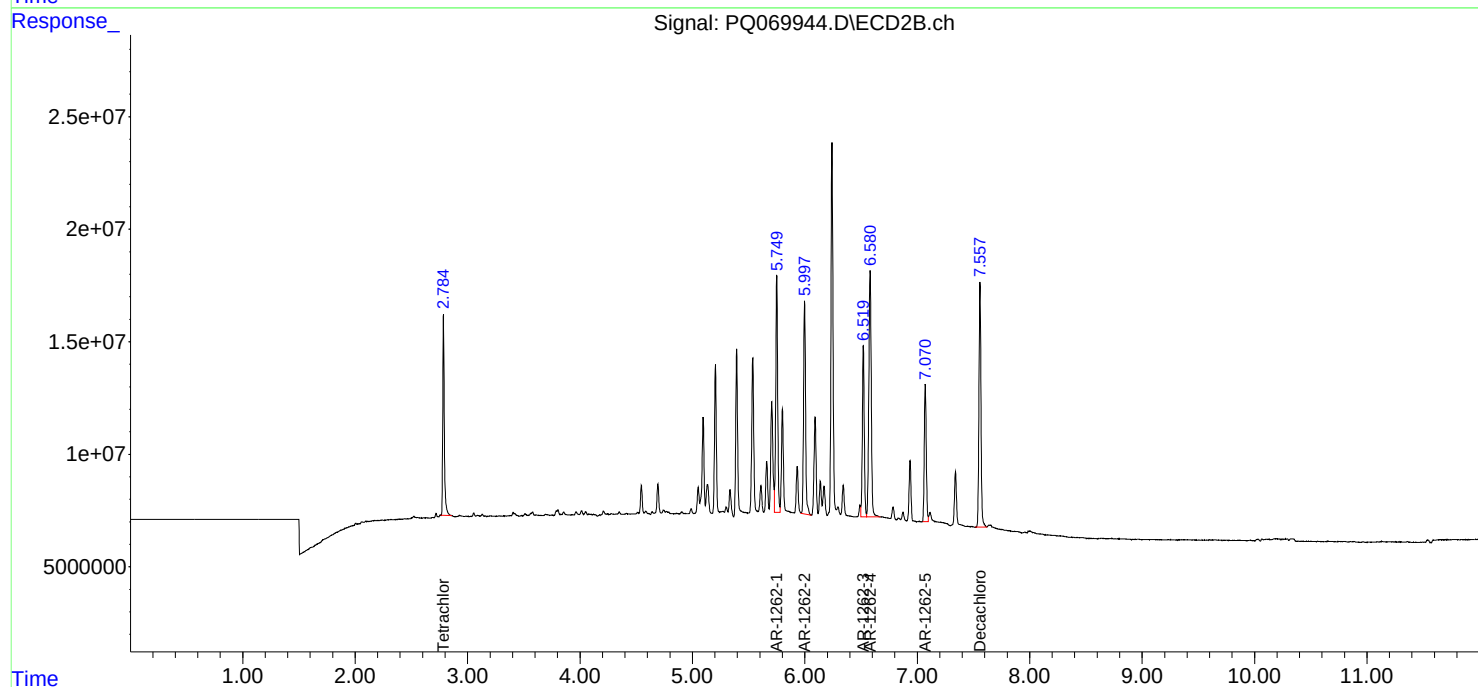
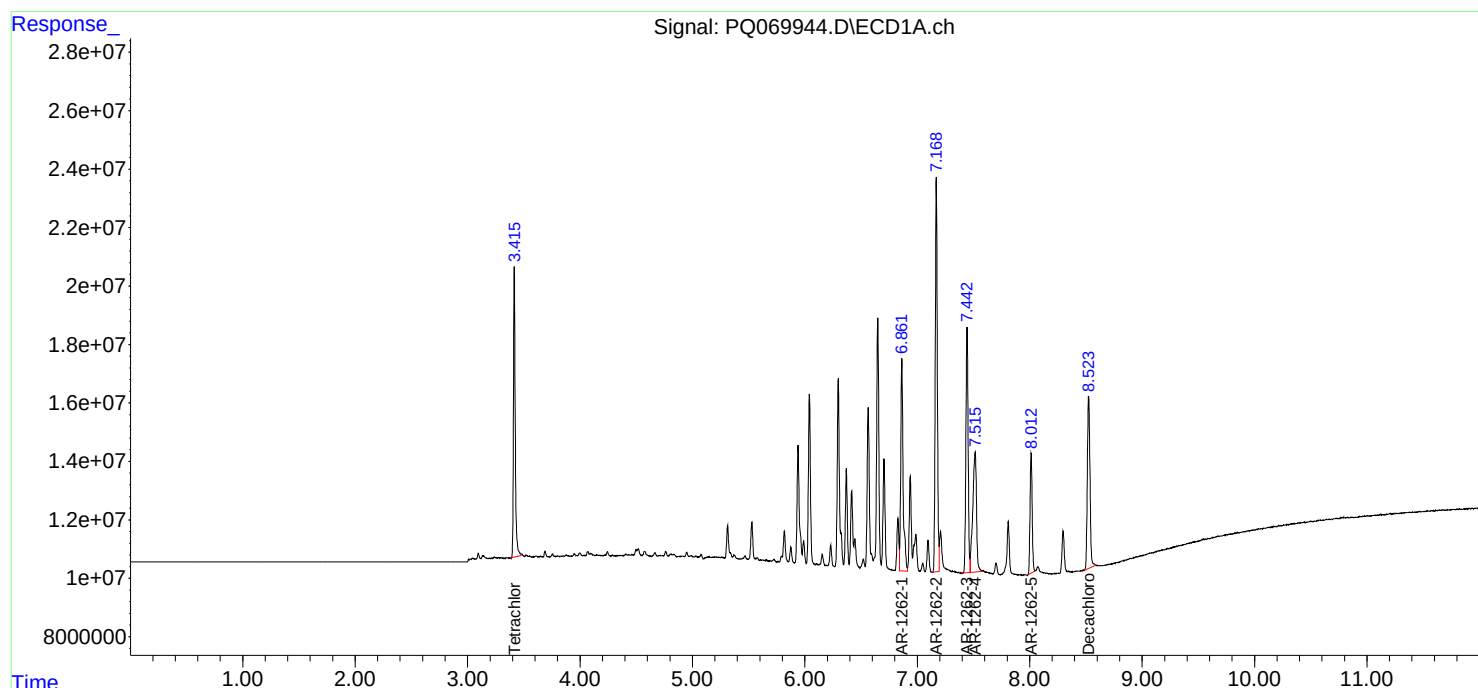
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069944.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 23:59
Operator : YP\AJ
Sample : AR1262ICC200
Misc :
ALS Vial : 34 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12622047

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069945.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 00:15
 Operator : YP\AJ
 Sample : AR1262ICC400
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12623048

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	205.3E6	164.3E6	20.000	20.000
2) SA Decachlor...	8.524	7.558	178.7E6	254.0E6	40.000	40.000
Target Compounds						
36) L8 AR-1262-1	6.862	5.750	194.6E6	230.0E6	400.000	400.000
37) L8 AR-1262-2	7.168	5.997	324.8E6	213.8E6	400.000	400.000
38) L8 AR-1262-3	7.441	6.520	216.5E6	167.9E6	406.122m	400.000
39) L8 AR-1262-4	7.515	6.581	178.2E6	307.5E6	400.000	400.000
40) L8 AR-1262-5	8.012	7.072	98702330	139.8E6	400.000	400.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:15
Operator : YP\AJ
Sample : AR1262ICC400
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12623048

Manual Integrations

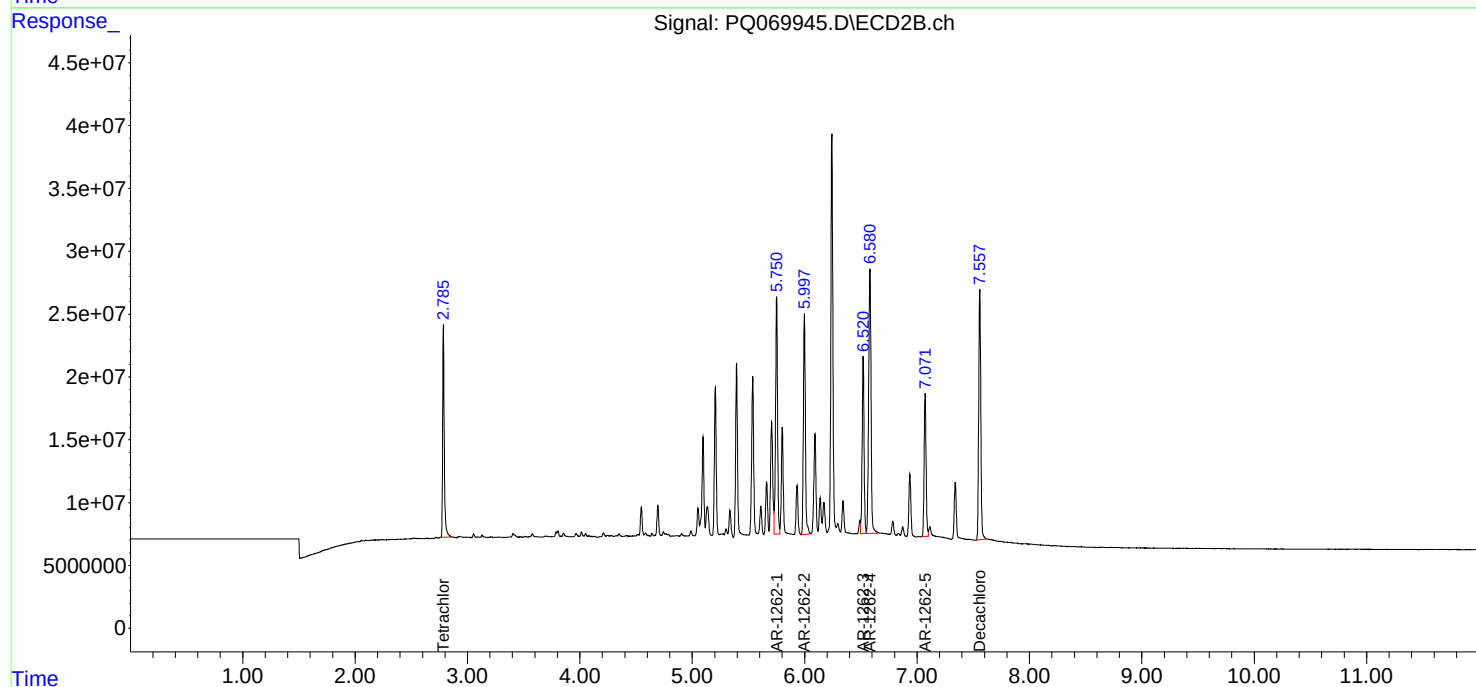
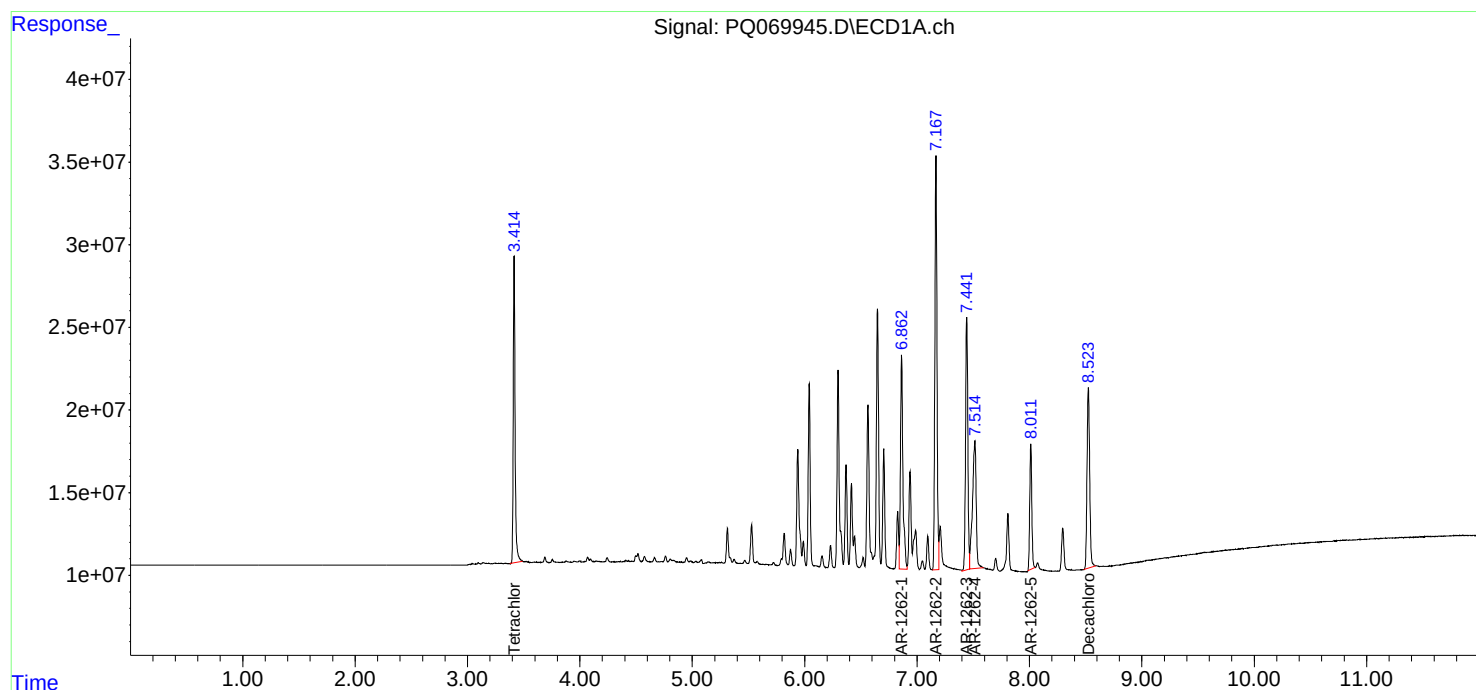
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069945.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:15
Operator : YP\AJ
Sample : AR1262ICC400
Misc :
ALS Vial : 35 Sample Multiplier: 1

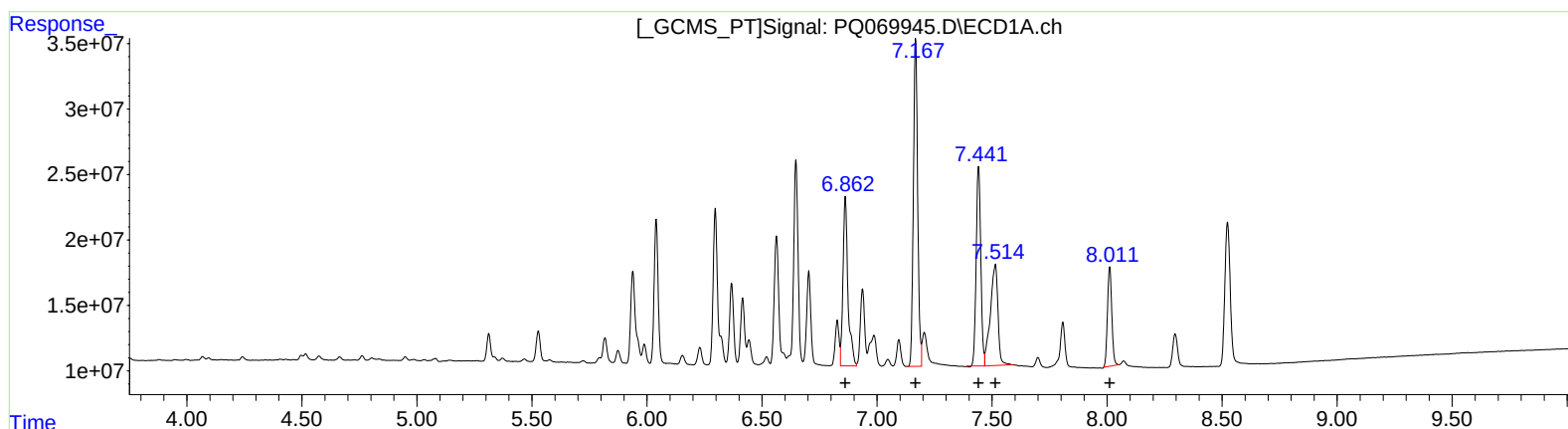
Instrument :
ECD_Q
LabSampleId :
AR1262ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:16 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



QEdit

(36) AR-1262-1 (L8)
R.T. Response Conc
6.86 194571205 400.00
7.17 324826522 400.00
7.44 214561065 402.52
7.51 178150613 400.00
8.01 98702330 400.00

(36) AR-1262-1 #2 (L8)
R.T. Response Conc
5.75 229957833 400.00
6.00 213813111 400.00
6.52 167871005 400.00
6.58 307524035 400.00
7.07 139766066 400.00

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069945.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 00:15
 Operator : YP\AJ
 Sample : AR1262ICC400
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

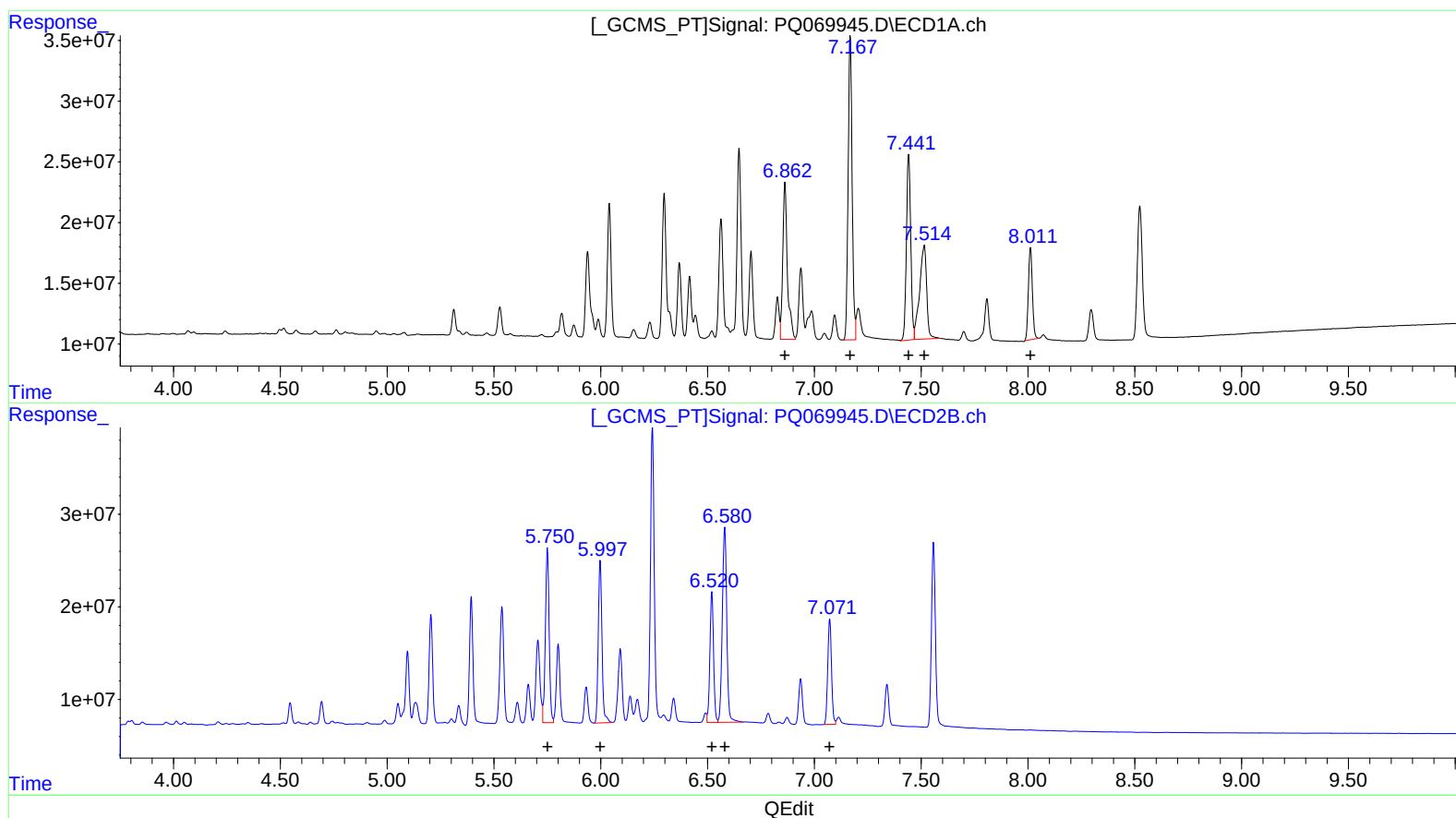
Instrument :
 ECD_Q
 LabSampleId :
 AR1262ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(36) AR-1262-1 (L8)
 R.T. Response Conc
 6.86 194571205 400.00
 7.17 324826522 400.00
 7.44 216480560 406.12
 7.51 178150613 400.00
 8.01 98702330 400.00

(36) AR-1262-1 #2 (L8)
 R.T. Response Conc
 5.75 229957833 400.00
 6.00 213813111 400.00
 6.52 167871005 400.00
 6.58 307524035 400.00
 7.07 139766066 400.00

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069946.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 00:30
 Operator : YP\AJ
 Sample : AR1262ICC800
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12624049

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.785	376.6E6	309.1E6	36.682	37.628
2) SA Decachlor...	8.523	7.557	329.3E6	467.6E6	73.688	73.654
Target Compounds						
36) L8 AR-1262-1	6.862	5.749	360.0E6	425.1E6	740.058	739.430
37) L8 AR-1262-2	7.168	5.997	606.1E6	396.0E6	746.323	740.826
38) L8 AR-1262-3	7.441	6.520	404.9E6	308.1E6	759.528m	734.054
39) L8 AR-1262-4	7.514	6.580	329.5E6	568.5E6	739.918	739.464
40) L8 AR-1262-5	8.011	7.071	181.8E6	256.6E6	736.655	734.498

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069946.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:30
Operator : YP\AJ
Sample : AR1262ICC800
Misc :
ALS Vial : 36 Sample Multiplier: 1

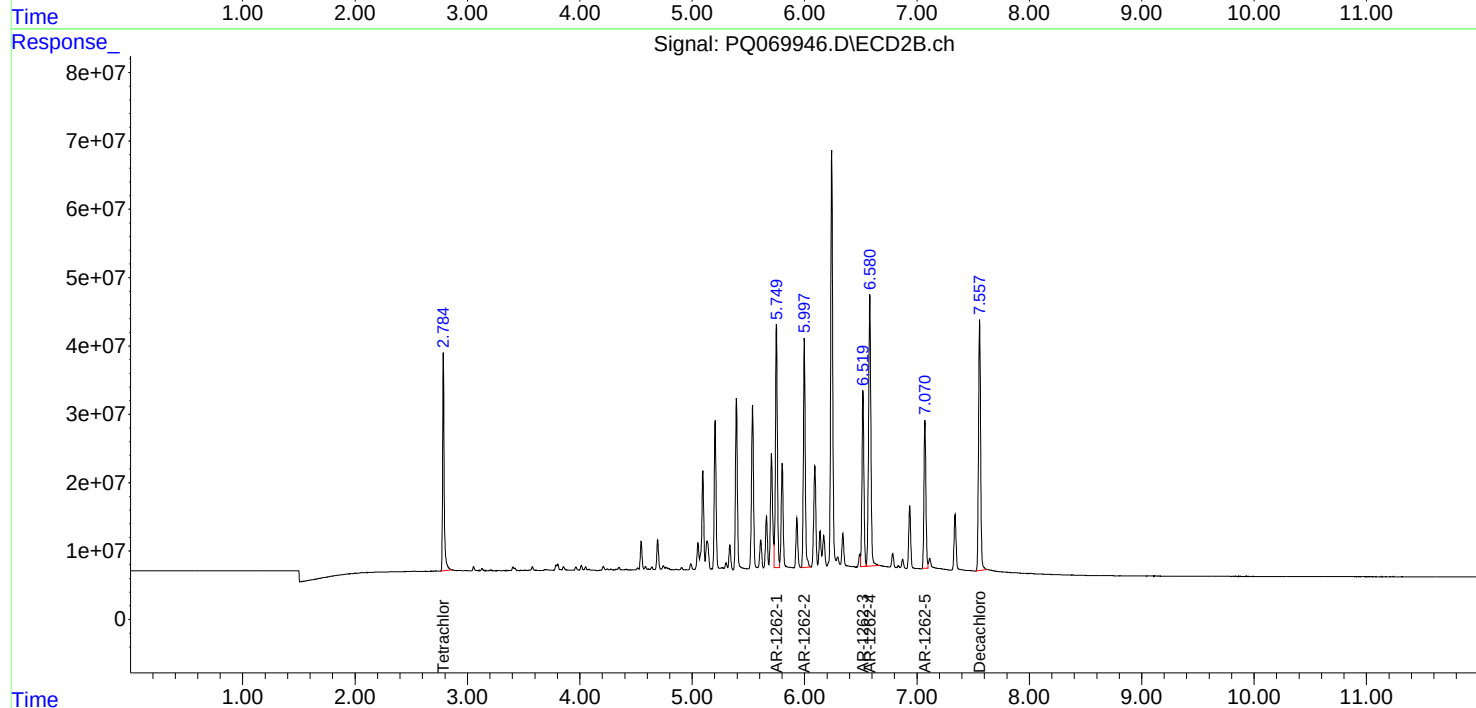
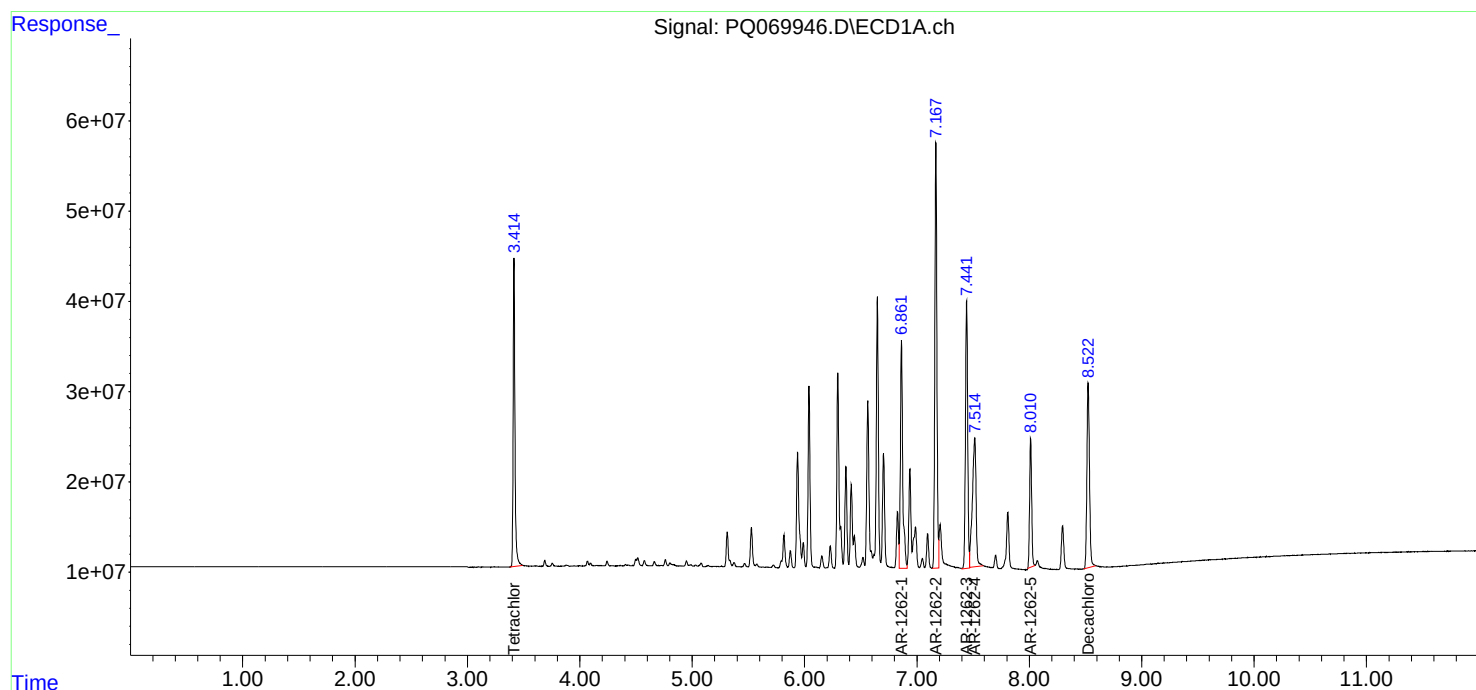
Instrument :
ECD_Q
ClientSampleId :
AR12624049

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069946.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 00:30
 Operator : YP\AJ
 Sample : AR1262ICC800
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

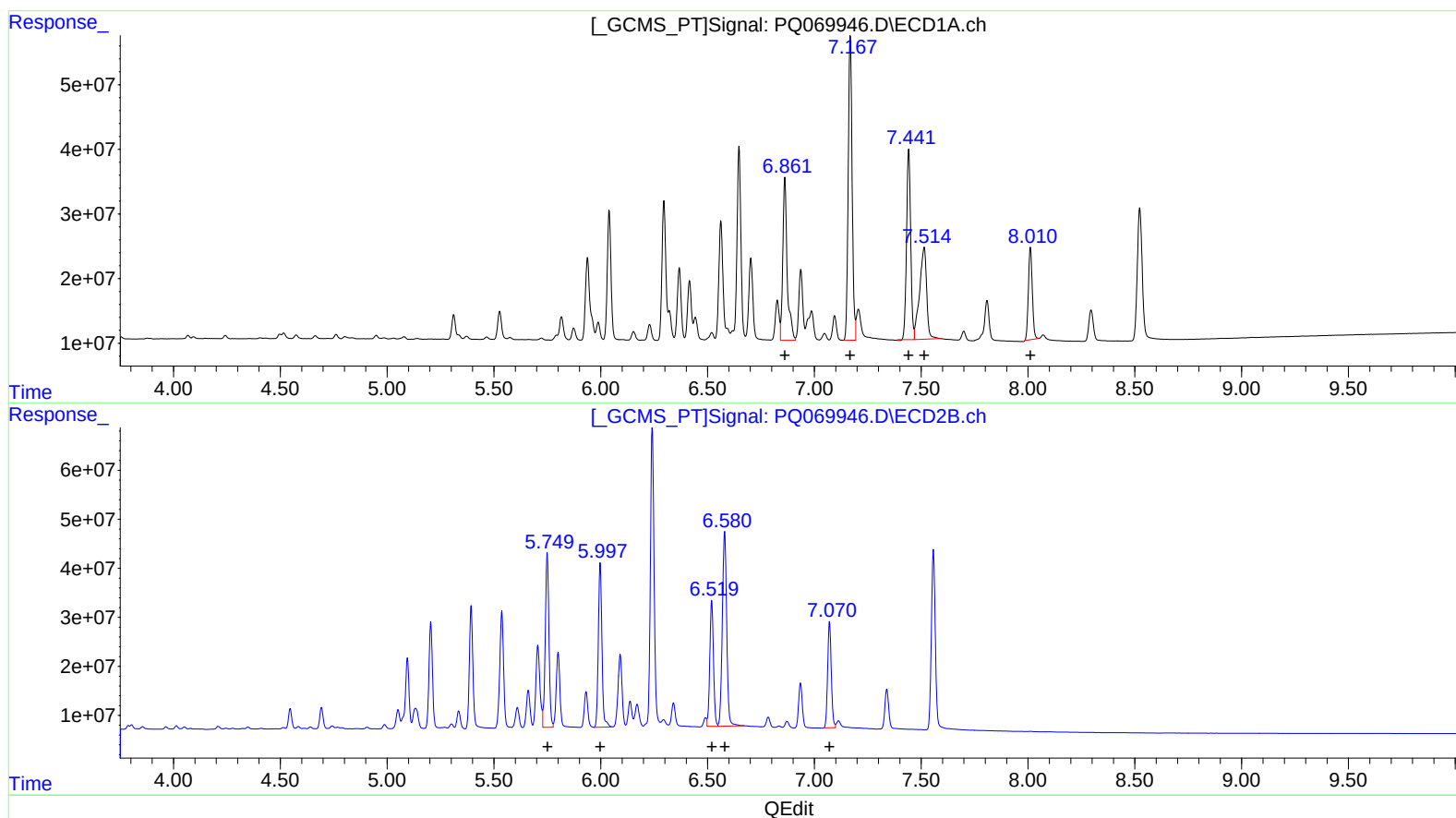
Instrument :
 ECD_Q
 LabSampleId :
 AR1262ICC800

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(36) AR-1262-1 (L8)
 R.T. Response Conc
 6.86 359984704 740.06
 7.17 606063859 746.32
 7.44 400265667 750.91
 7.51 329542300 739.92
 8.01 181774012 736.66

(36) AR-1262-1 #2 (L8)
 R.T. Response Conc
 5.75 425094173 739.43
 6.00 395995806 740.83
 6.52 308066071 734.05
 6.58 568507015 739.46
 7.07 256644887 734.50

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069947.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 00:45
 Operator : YP\AJ
 Sample : AR1262ICC1600
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12625050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:26:48 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:25:10 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.413	2.786	662.9E6	547.0E6	64.568	66.590
2) SA Decachlor...	8.522	7.557	584.9E6	829.3E6	130.898	130.620
Target Compounds						
36) L8 AR-1262-1	6.861	5.750	636.1E6	747.7E6	1307.649	1300.519
37) L8 AR-1262-2	7.167	5.997	1097.7E6	692.5E6	1351.708	1295.503
38) L8 AR-1262-3	7.440	6.520	715.4E6	550.5E6	1342.198m	1311.809
39) L8 AR-1262-4	7.515	6.580	582.5E6	1024.4E6	1307.836	1332.460
40) L8 AR-1262-5	8.010	7.071	323.8E6	462.6E6	1312.045	1323.976

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:45
Operator : YP\AJ
Sample : AR1262ICC1600
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12625050

Manual Integrations

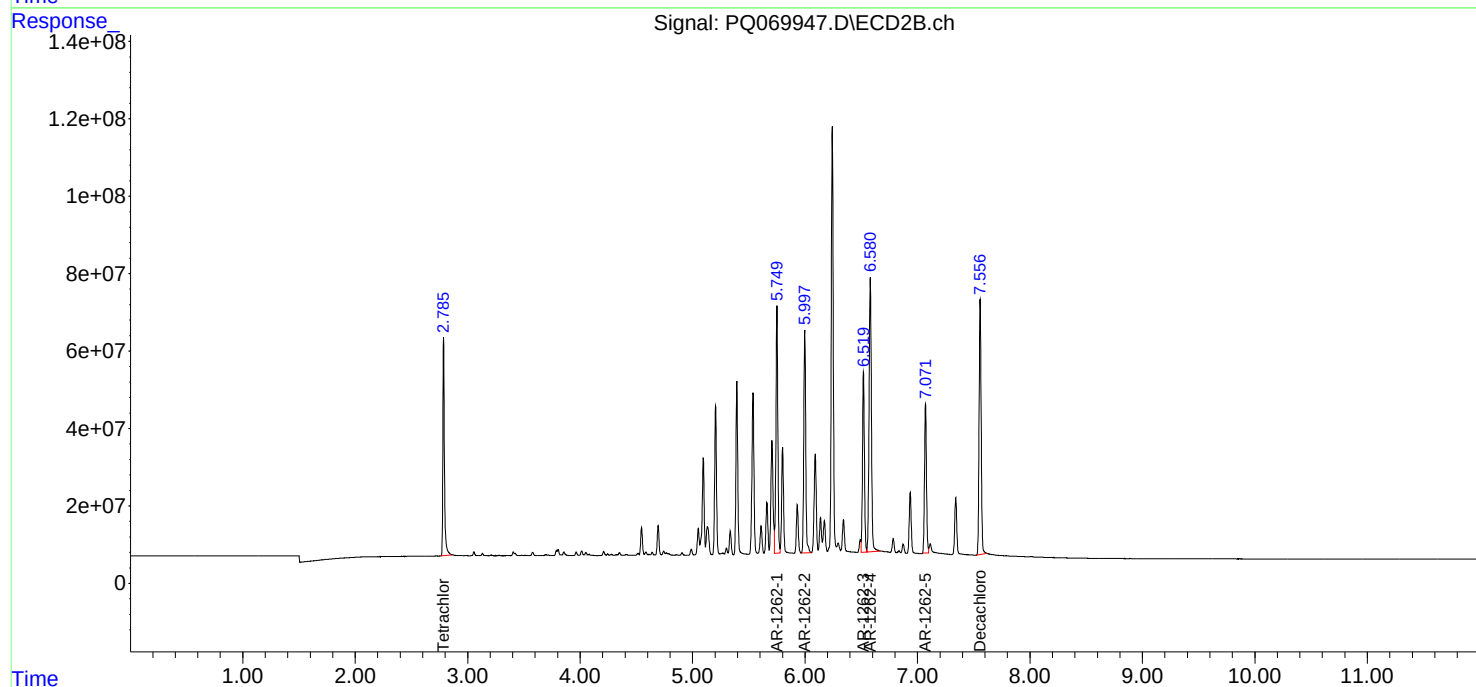
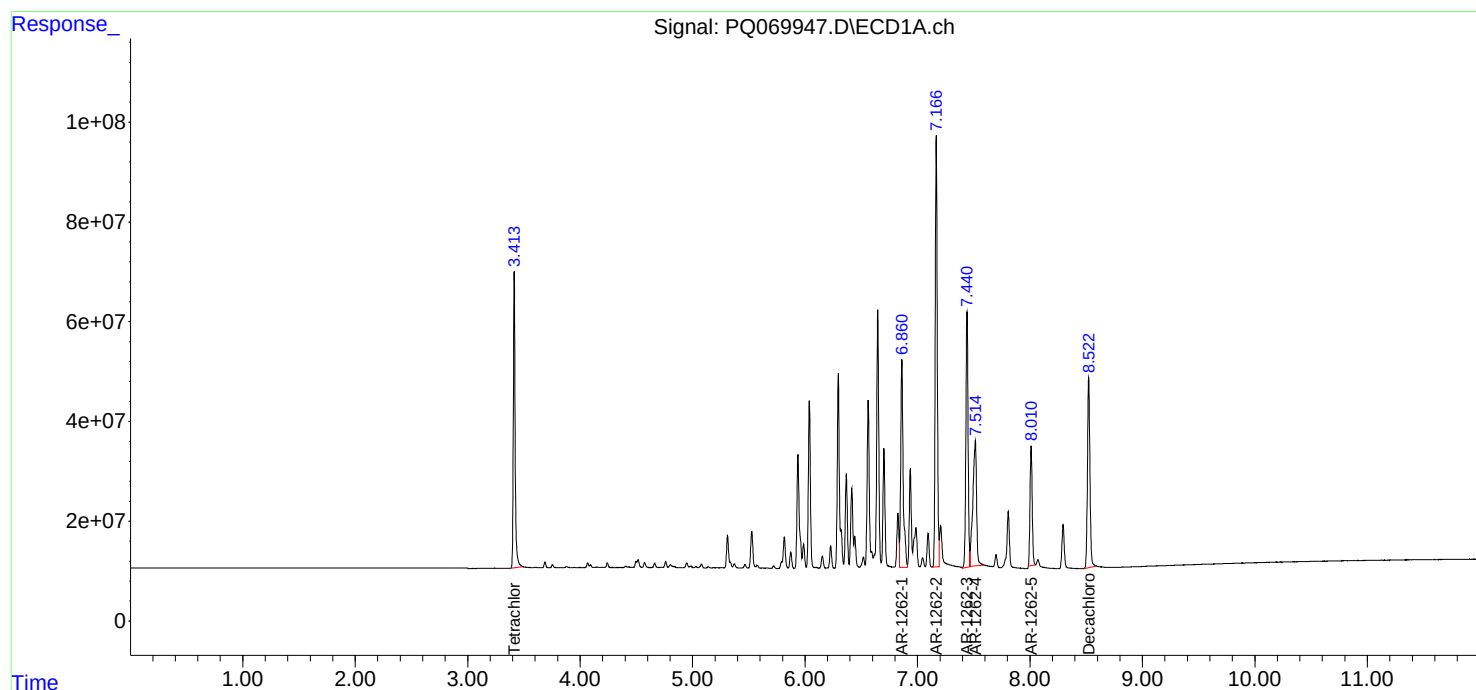
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:45
Operator : YP\AJ
Sample : AR1262ICC1600
Misc :
ALS Vial : 37 Sample Multiplier: 1

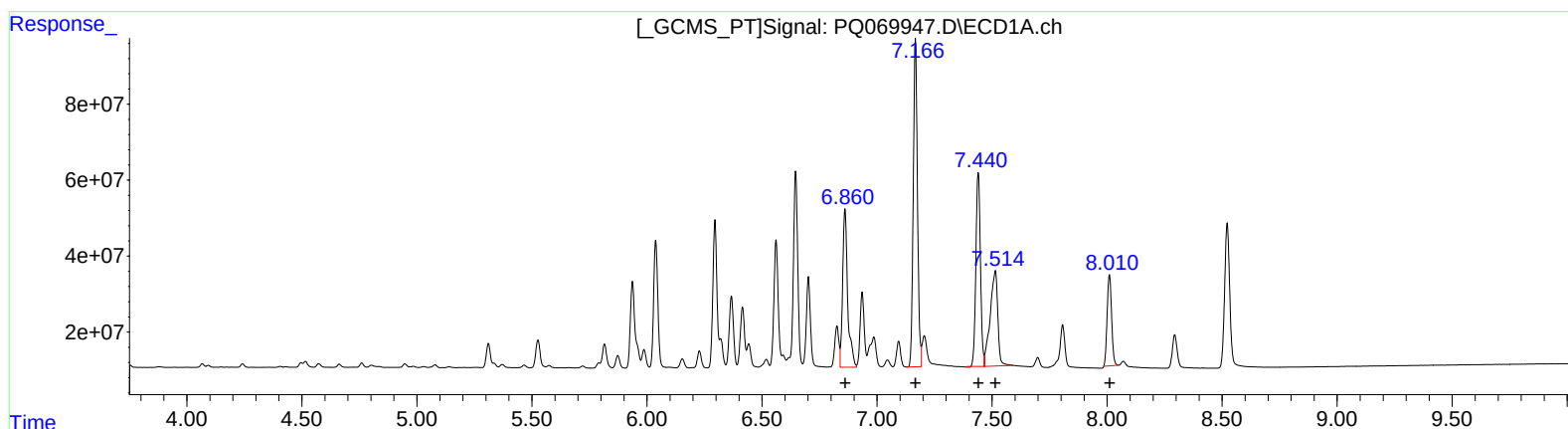
Instrument :
ECD_Q
LabSampleId :
AR1262ICC1600

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(36) AR-1262-1 (L8)
R.T. Response Conc
6.86 636077277 1307.65
7.17 1097676919 1351.71
7.44 713379510 1338.31
7.51 582479290 1307.84
8.01 323754685 1312.04

(36) AR-1262-1 #2 (L8)
R.T. Response Conc
5.75 747661152 1300.52
6.00 692488654 1295.50
6.52 550536721 1311.81
6.58 1024408806 1332.46
7.07 462617255 1323.98

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069947.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 00:45
Operator : YP\AJ
Sample : AR1262ICC1600
Misc :
ALS Vial : 37 Sample Multiplier: 1

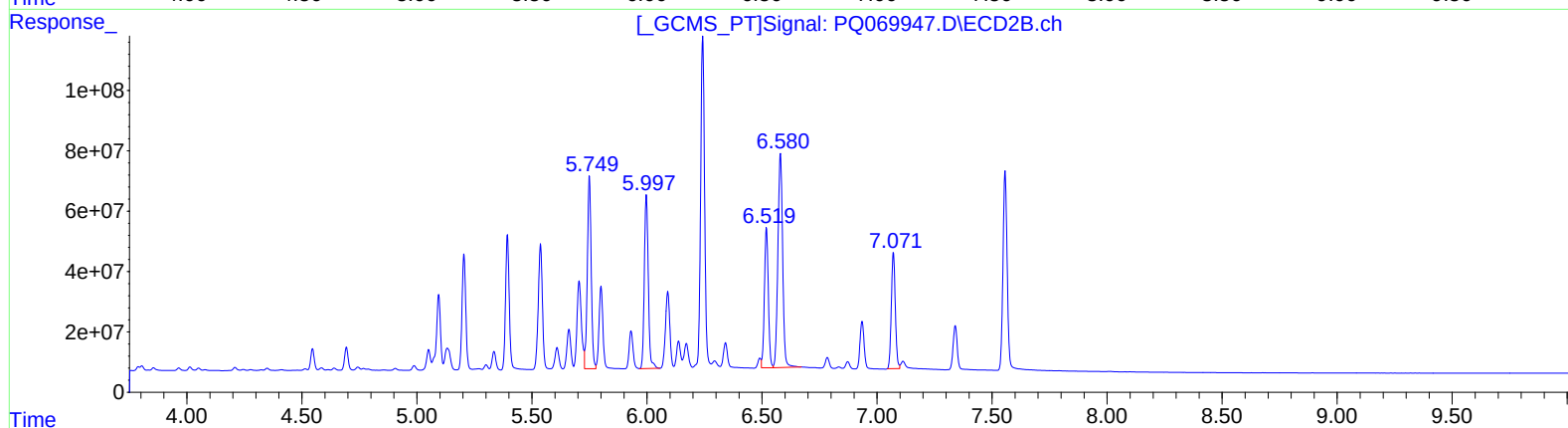
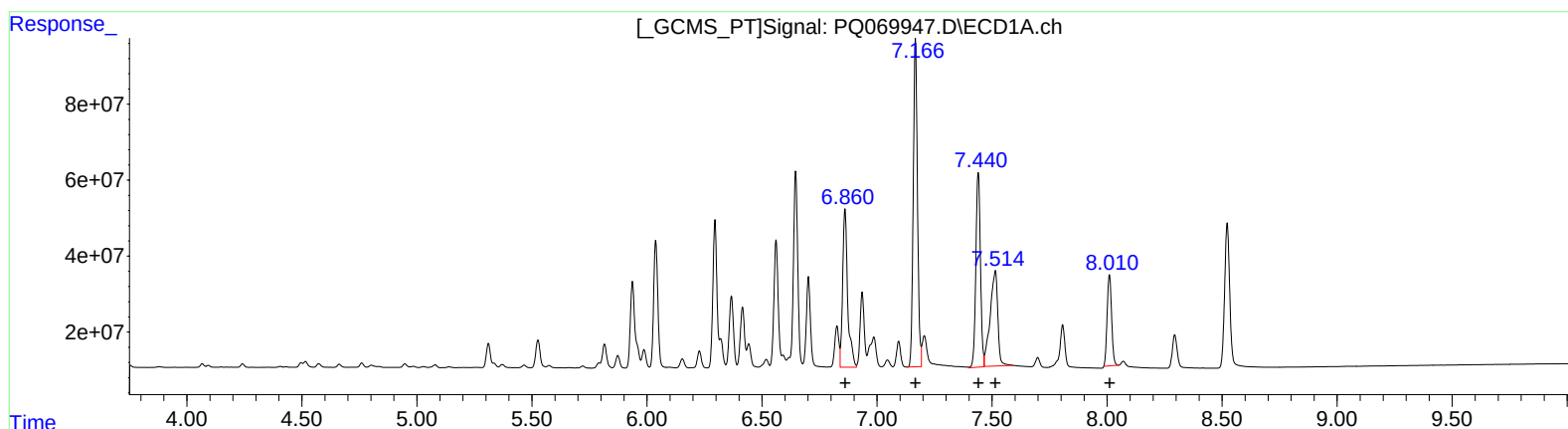
Instrument :
ECD_Q
LabSampleId :
AR1262ICC1600

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:26:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:25:10 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



QEdit

(36) AR-1262-1 (L8)
R.T. Response Conc
6.86 636077277 1307.65
7.17 1097676919 1351.71
7.44 715449240 1342.20
7.51 582479290 1307.84
8.01 323754685 1312.04

(36) AR-1262-1 #2 (L8)
R.T. Response Conc
5.75 747661152 1300.52
6.00 692488654 1295.50
6.52 550536721 1311.81
6.58 1024408806 1332.46
7.07 462617255 1323.98

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069948.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 01:01
 Operator : YP\AJ
 Sample : AR1268ICC100
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12681001

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:45:53 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	60141804	47593170	5.838	5.836
2) SA Decachlor...	8.525	7.557	92301315	133.6E6	11.147	11.455
Target Compounds						
41) L9 AR-1268-1	7.441	6.520	105.7E6	134.8E6	112.646	115.843
42) L9 AR-1268-2	7.517	6.582	96737473	125.2E6	111.027	115.228
43) L9 AR-1268-3	7.701	6.784	80404626	107.3E6	110.578	114.476
44) L9 AR-1268-4	8.012	7.071	29107493	44193274	107.261	112.534
45) L9 AR-1268-5	8.297	7.340	209.2E6	290.1E6	107.638	108.080

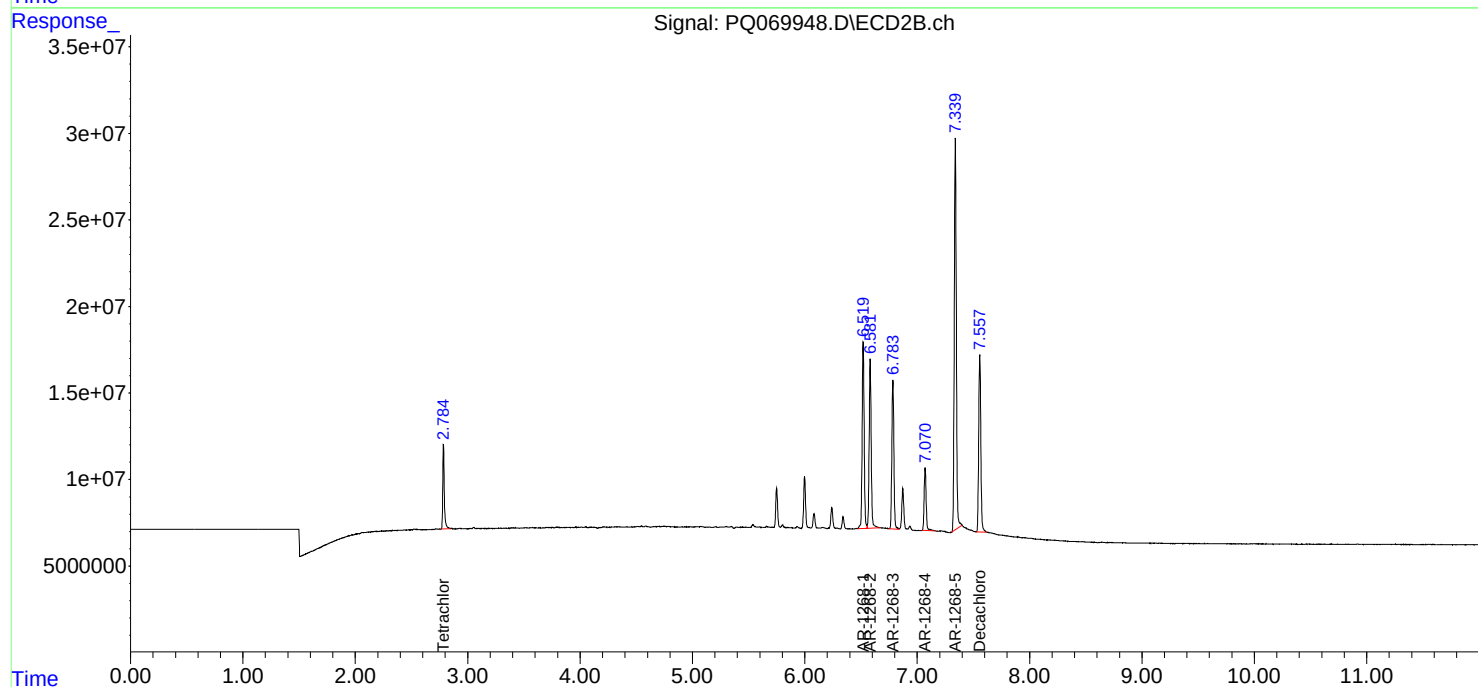
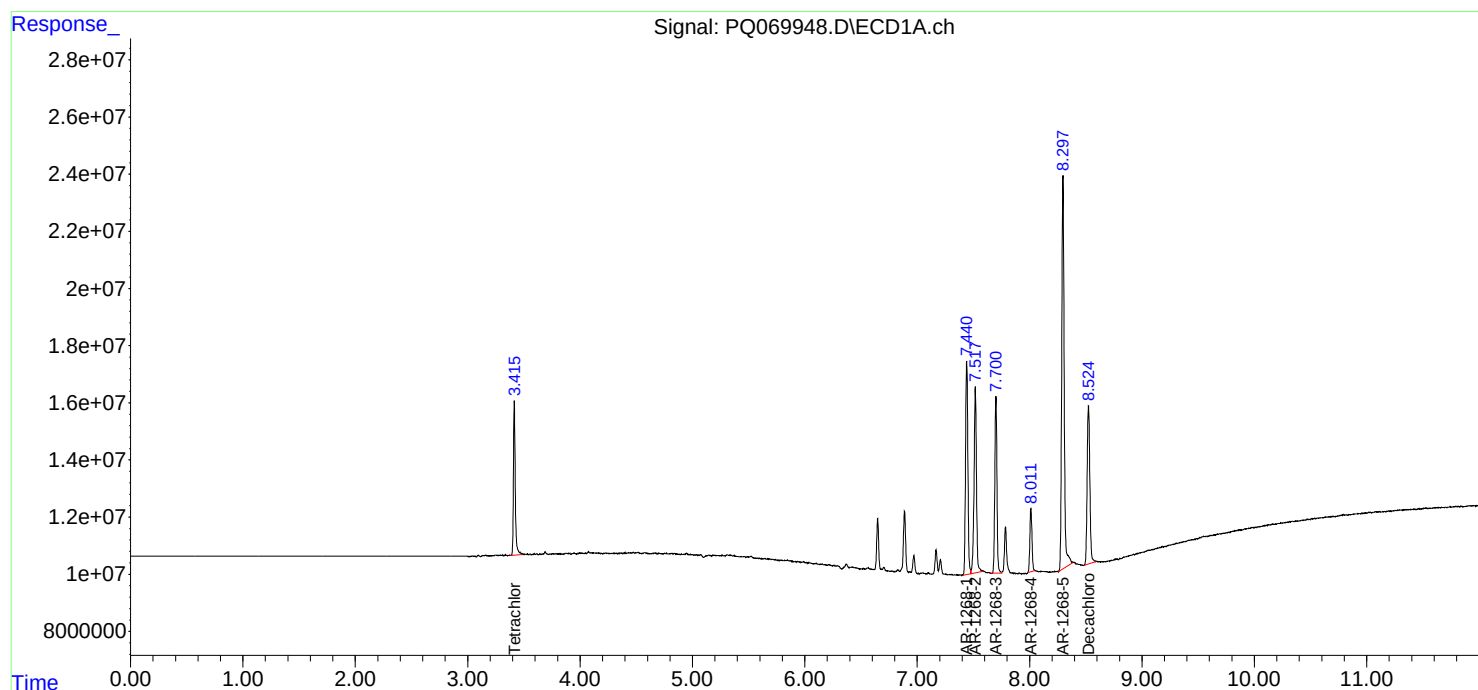
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069948.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:01
Operator : YP\AJ
Sample : AR1268ICC100
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12681001

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:45:53 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069949.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 01:16
 Operator : YP\AJ
 Sample : AR1268ICC200
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12682002

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:46:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	110.7E6	87751679	10.746	10.760
2) SA Decachlor...	8.524	7.558	174.7E6	247.8E6	21.102	21.242
Target Compounds						
41) L9 AR-1268-1	7.440	6.520	197.7E6	250.2E6	210.701m	214.994
42) L9 AR-1268-2	7.518	6.583	183.4E6	233.4E6	210.500	214.786
43) L9 AR-1268-3	7.699	6.784	154.1E6	201.0E6	211.886	214.550
44) L9 AR-1268-4	8.012	7.072	57557176	84022778	212.098	213.955
45) L9 AR-1268-5	8.296	7.340	405.6E6	555.4E6	208.722	206.903

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:16
Operator : YP\AJ
Sample : AR1268ICC200
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12682002

Manual Integrations

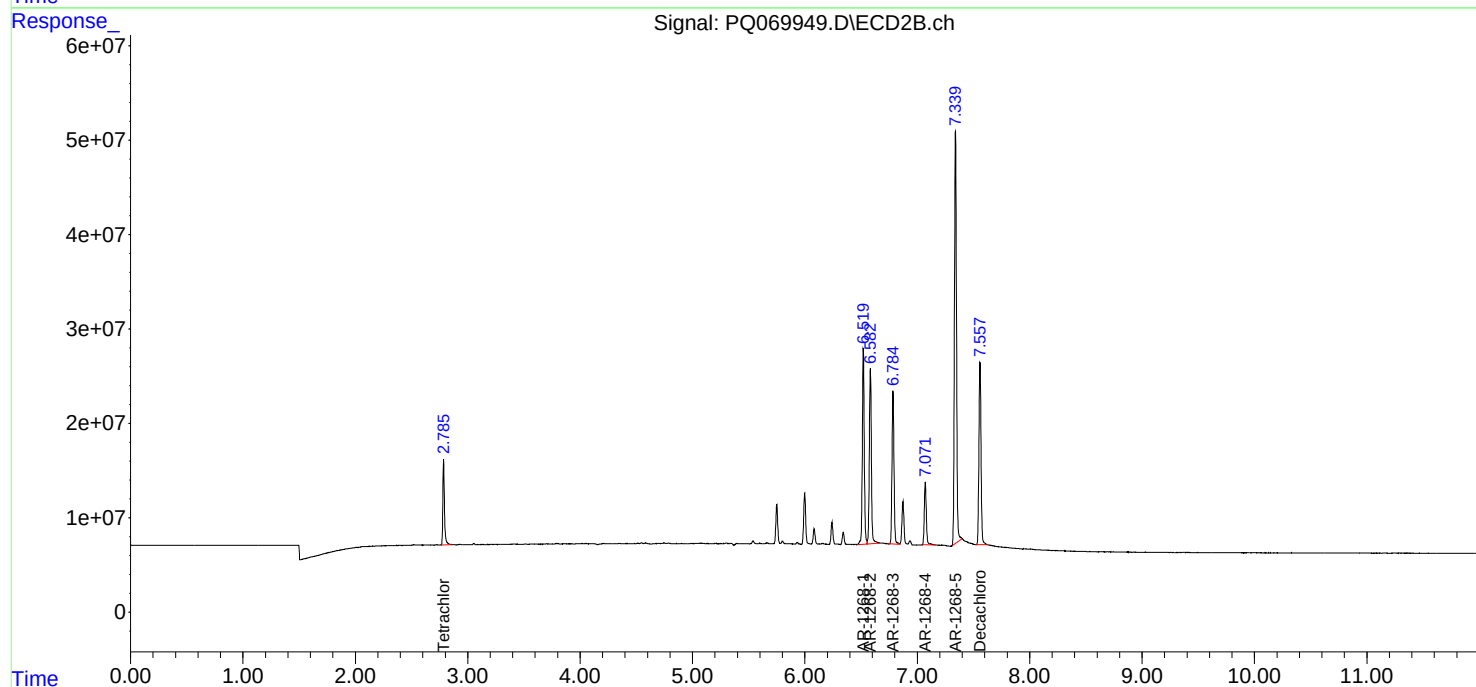
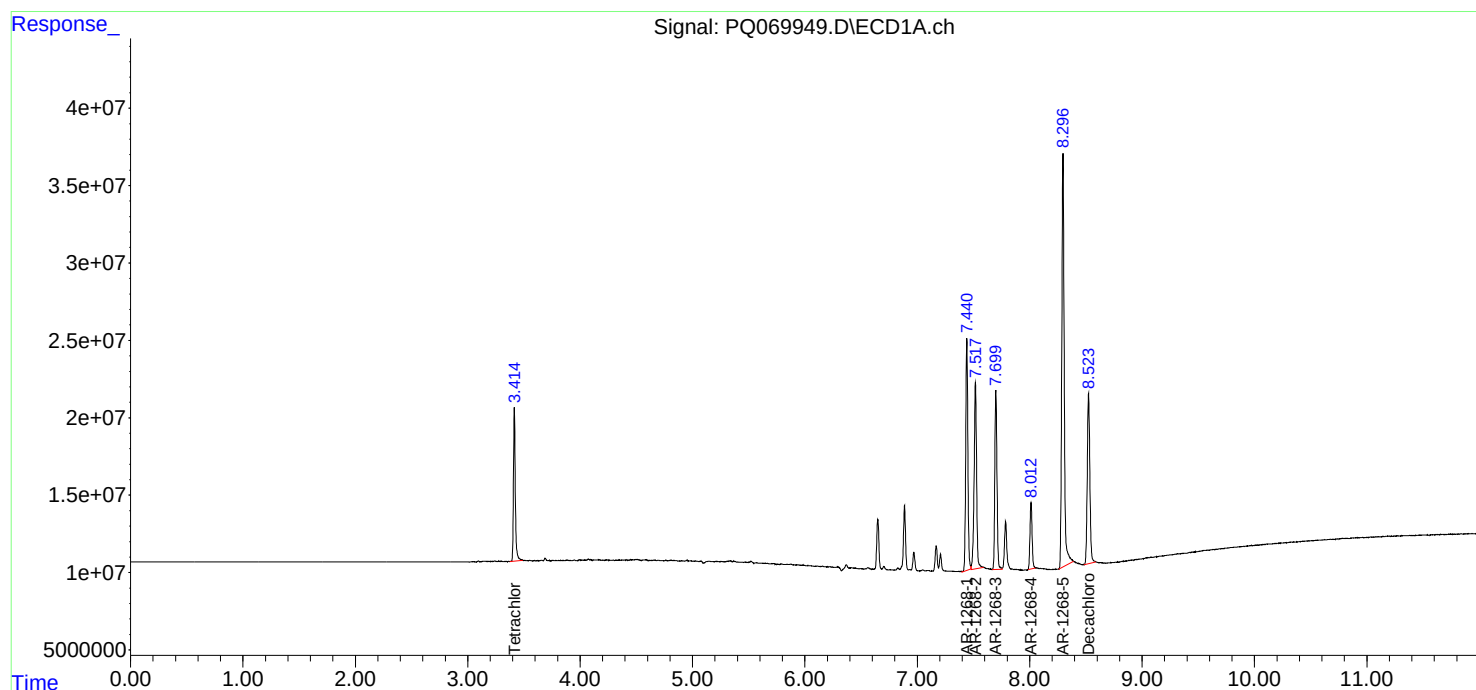
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:16
Operator : YP\AJ
Sample : AR1268ICC200
Misc :
ALS Vial : 39 Sample Multiplier: 1

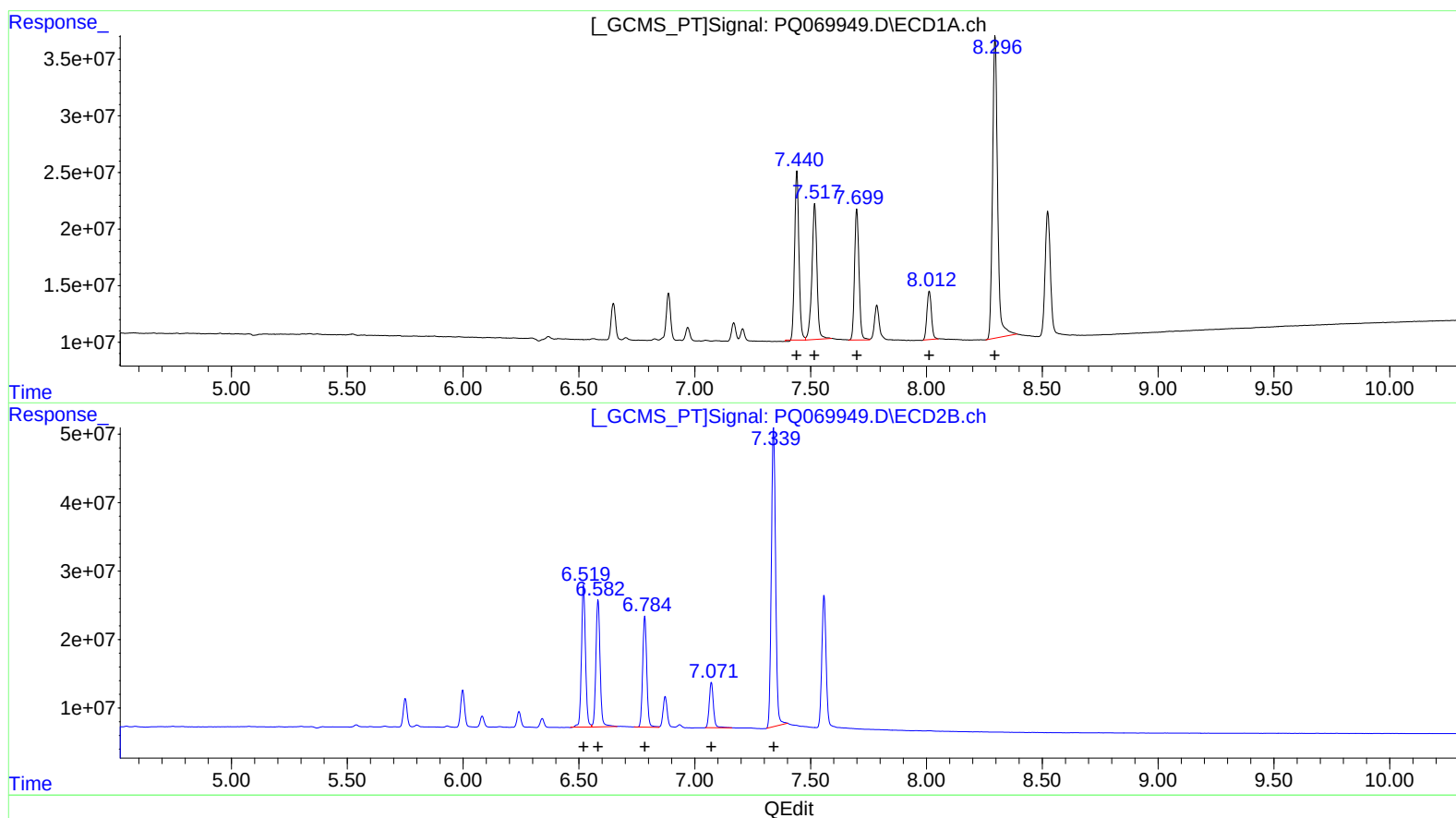
Instrument :
ECD_Q
LabSampleId :
AR1268ICC200

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(41) AR-1268-1 (L9)
R.T. Response Conc
7.44 197293261 210.28
7.52 183407493 210.50
7.70 154068895 211.89
8.01 57557176 212.10
8.30 405578240 208.72

(41) AR-1268-1 #2 (L9)
R.T. Response Conc
6.52 250237979 214.99
6.58 233421498 214.79
6.78 201041755 214.55
7.07 84022778 213.96
7.34 555433516 206.90

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069949.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:16
Operator : YP\AJ
Sample : AR1268ICC200
Misc :
ALS Vial : 39 Sample Multiplier: 1

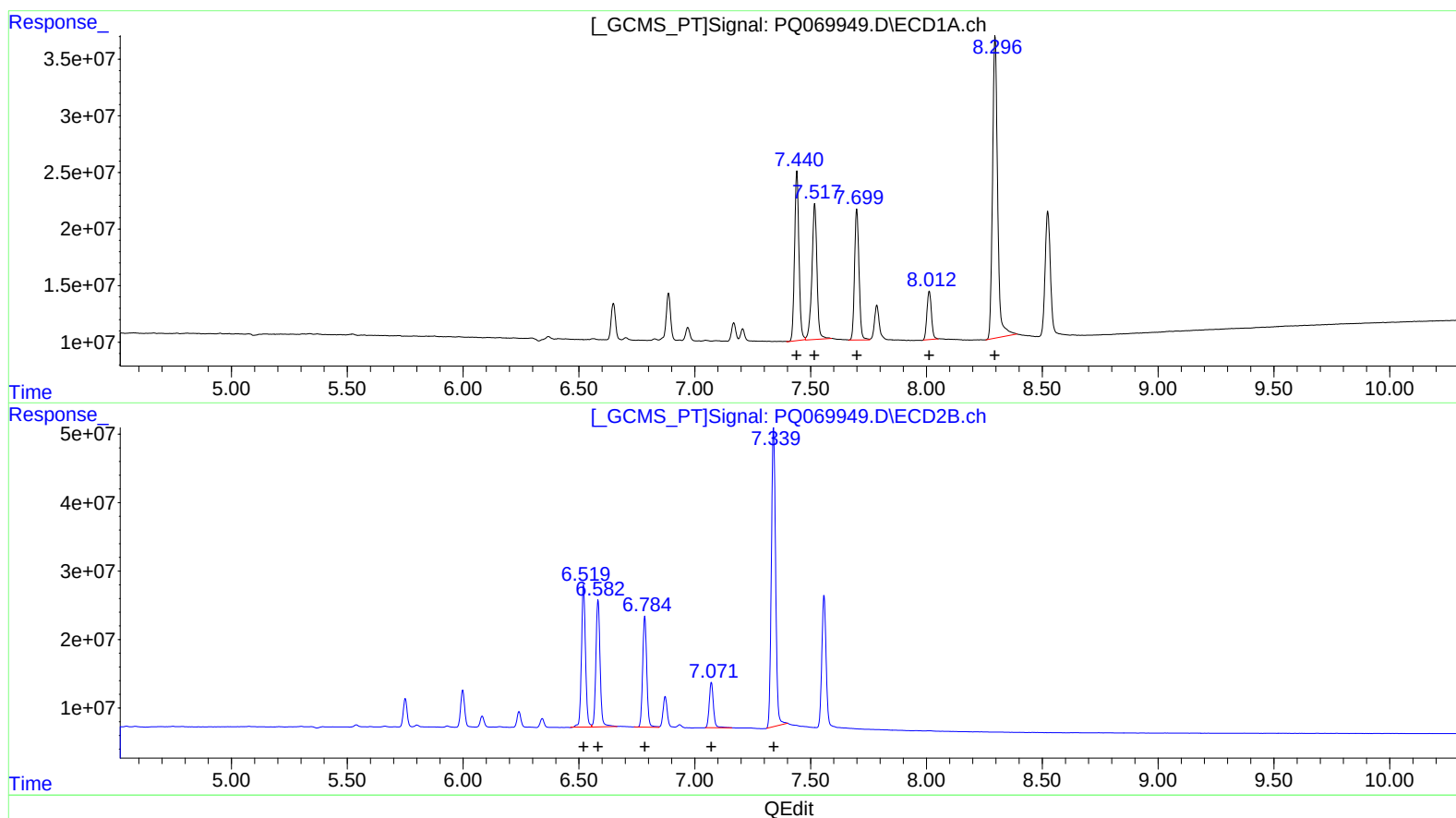
Instrument :
ECD_Q
LabSampleId :
AR1268ICC200

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:10 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(41) AR-1268-1 (L9)
R.T. Response Conc
7.44 197685093 210.70
7.52 183407493 210.50
7.70 154068895 211.89
8.01 57557176 212.10
8.30 405578240 208.72

(41) AR-1268-1 #2 (L9)
R.T. Response Conc
6.52 250237979 214.99
6.58 233421498 214.79
6.78 201041755 214.55
7.07 84022778 213.96
7.34 555433516 206.90

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069950.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 01:32
 Operator : YP\AJ
 Sample : AR1268ICC400
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12683003

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/04/2025
 Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:46:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	206.0E6	163.1E6	20.000	20.000
2) SA Decachlor...	8.522	7.557	331.2E6	466.7E6	40.000	40.000
Target Compounds						
41) L9 AR-1268-1	7.439	6.520	375.5E6	465.6E6	400.204m	400.000
42) L9 AR-1268-2	7.517	6.583	348.5E6	434.7E6	400.000	400.000
43) L9 AR-1268-3	7.700	6.784	290.9E6	374.8E6	400.000	400.000
44) L9 AR-1268-4	8.011	7.071	108.5E6	157.1E6	400.000	400.000
45) L9 AR-1268-5	8.294	7.340	777.3E6	1073.8E6	400.000	400.000

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:32
Operator : YP\AJ
Sample : AR1268ICC400
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12683003

Manual Integrations

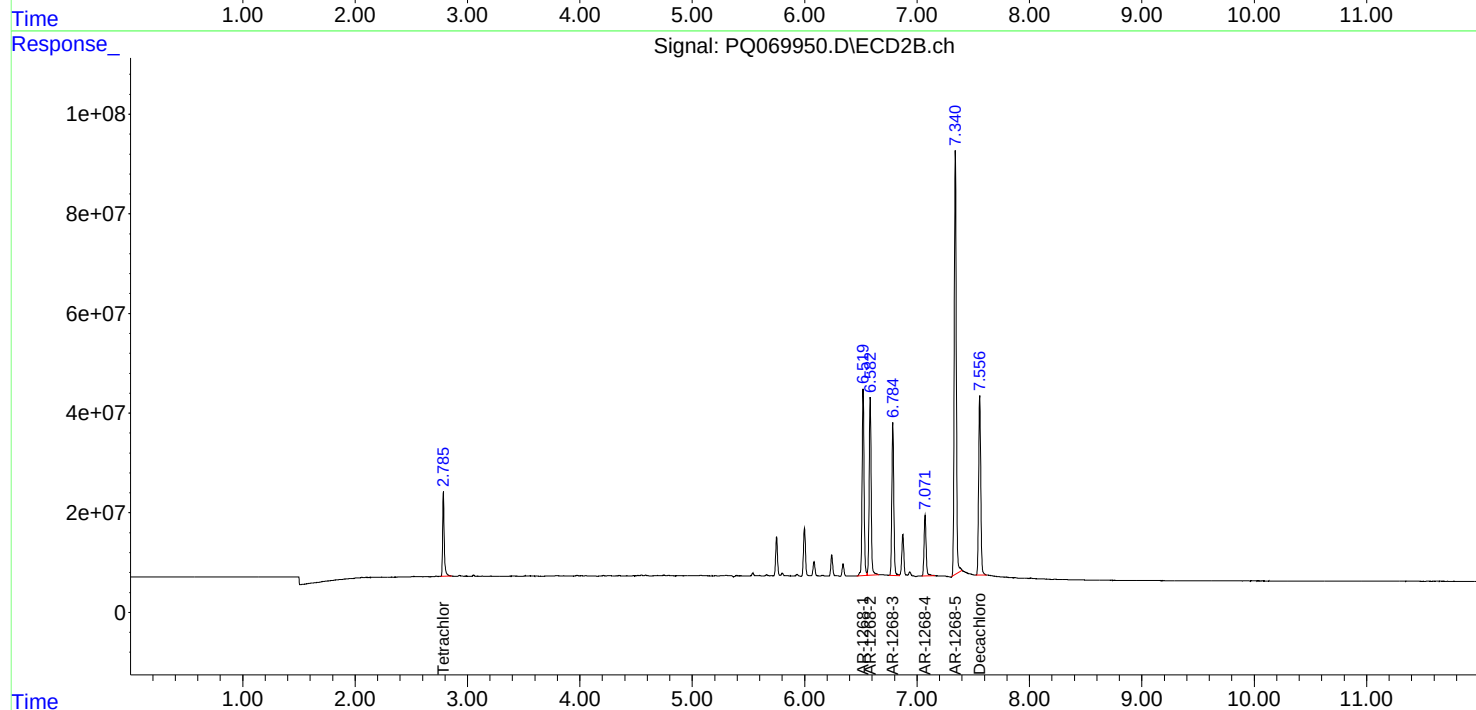
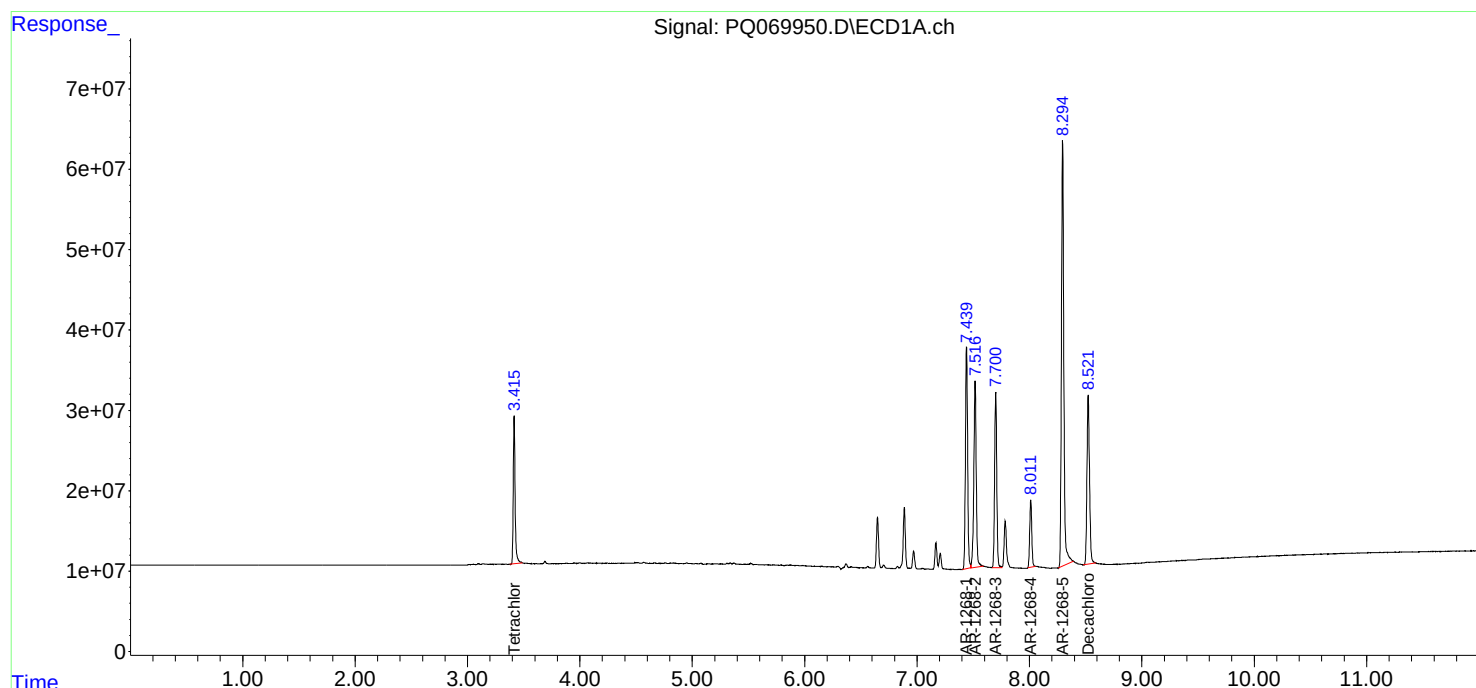
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:32
Operator : YP\AJ
Sample : AR1268ICC400
Misc :
ALS Vial : 40 Sample Multiplier: 1

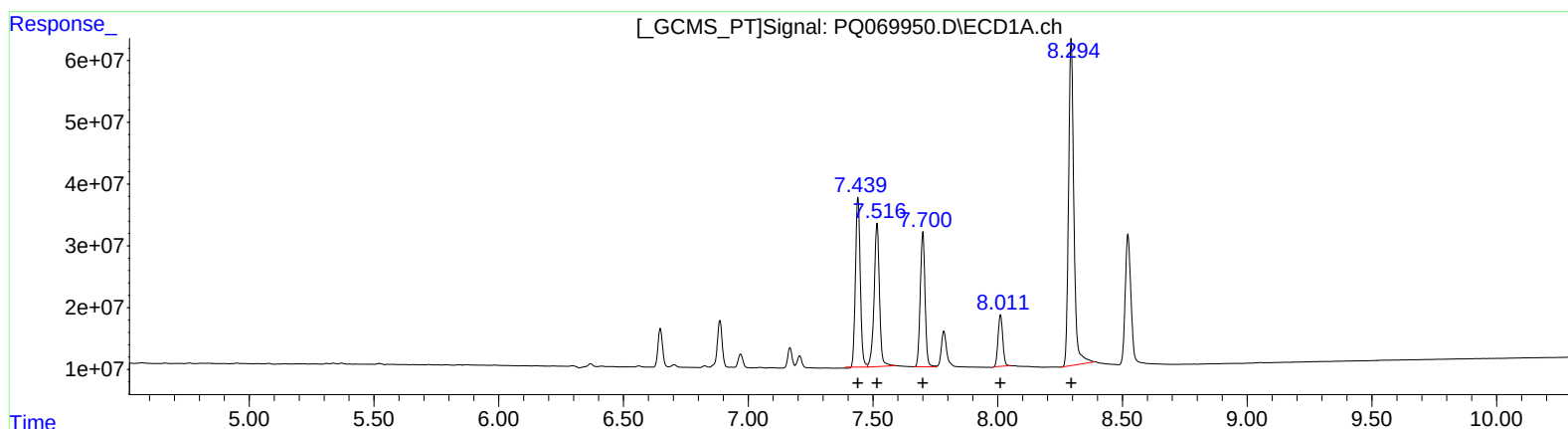
Instrument :
ECD_Q
LabSampleId :
AR1268ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



QEdit

(41) AR-1268-1 (L9)
R.T. Response Conc
7.44 375289674 400.00
7.52 348517508 400.00
7.70 290852088 400.00
8.01 108548401 400.00
8.29 777258526 400.00
(41) AR-1268-1 #2 (L9)
R.T. Response Conc
6.52 465571897 400.00
6.58 434705122 400.00
6.78 374816157 400.00
7.07 157084756 400.00
7.34 1073803278 400.00

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069950.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:32
Operator : YP\AJ
Sample : AR1268ICC400
Misc :
ALS Vial : 40 Sample Multiplier: 1

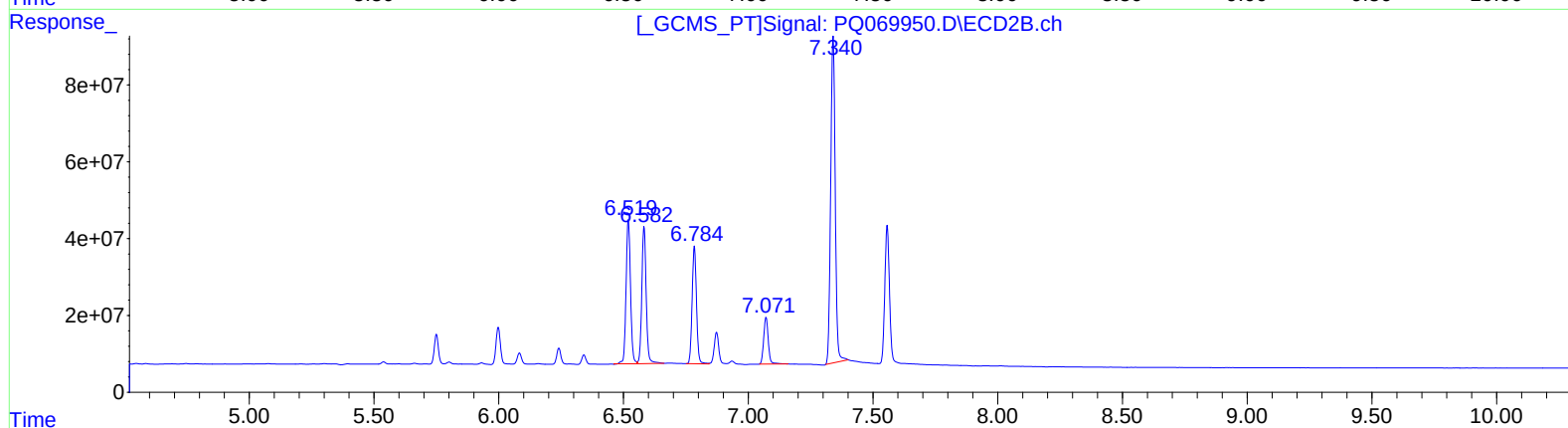
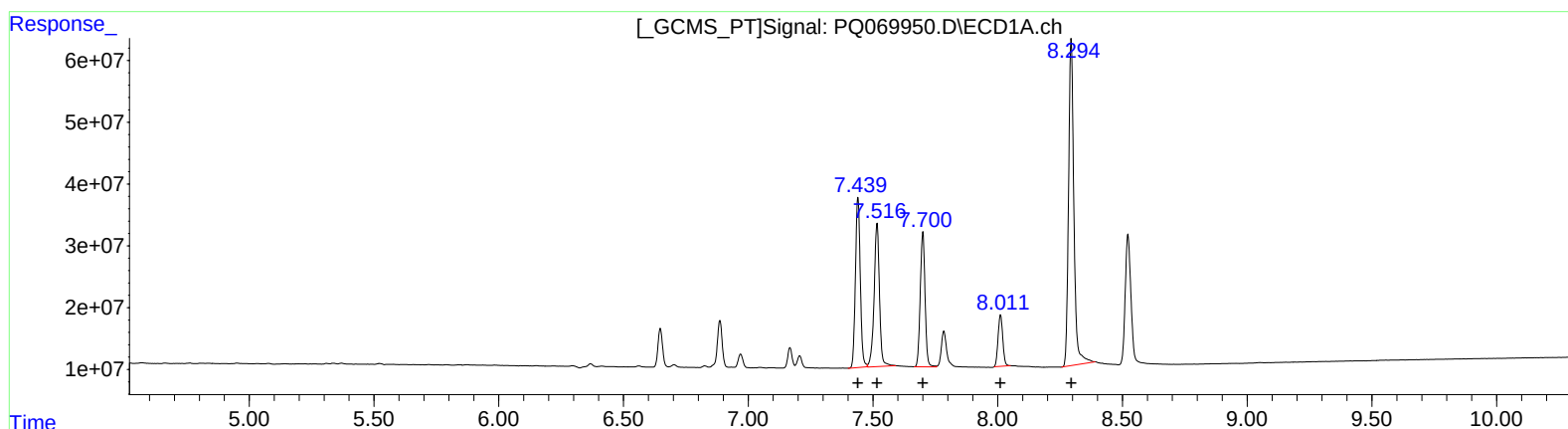
Instrument :
ECD_Q
LabSampleId :
AR1268ICC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(41) AR-1268-1 (L9)			
R.T.	Response	Conc	
7.44	375481473	400.20	
7.52	348517508	400.00	
7.70	290852088	400.00	
8.01	108548401	400.00	
8.29	777258526	400.00	
(41) AR-1268-1 #2 (L9)			
R.T.	Response	Conc	
6.52	465571897	400.00	
6.58	434705122	400.00	
6.78	374816157	400.00	
7.07	157084756	400.00	
7.34	1073803278	400.00	

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069951.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 01:47
 Operator : YP\AJ
 Sample : AR1268ICC800
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR12684004

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:46:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.785	388.1E6	312.9E6	37.672	38.366
2) SA Decachlor...	8.523	7.557	642.2E6	893.9E6	77.558	76.619
Target Compounds						
41) L9 AR-1268-1	7.441	6.520	727.7E6	898.5E6	775.564	771.977
42) L9 AR-1268-2	7.517	6.582	676.9E6	841.4E6	776.863	774.206
43) L9 AR-1268-3	7.700	6.784	565.6E6	723.6E6	777.882	772.171
44) L9 AR-1268-4	8.011	7.071	209.8E6	300.4E6	773.285	764.965
45) L9 AR-1268-5	8.295	7.339	1539.3E6	2118.4E6	792.151	789.114

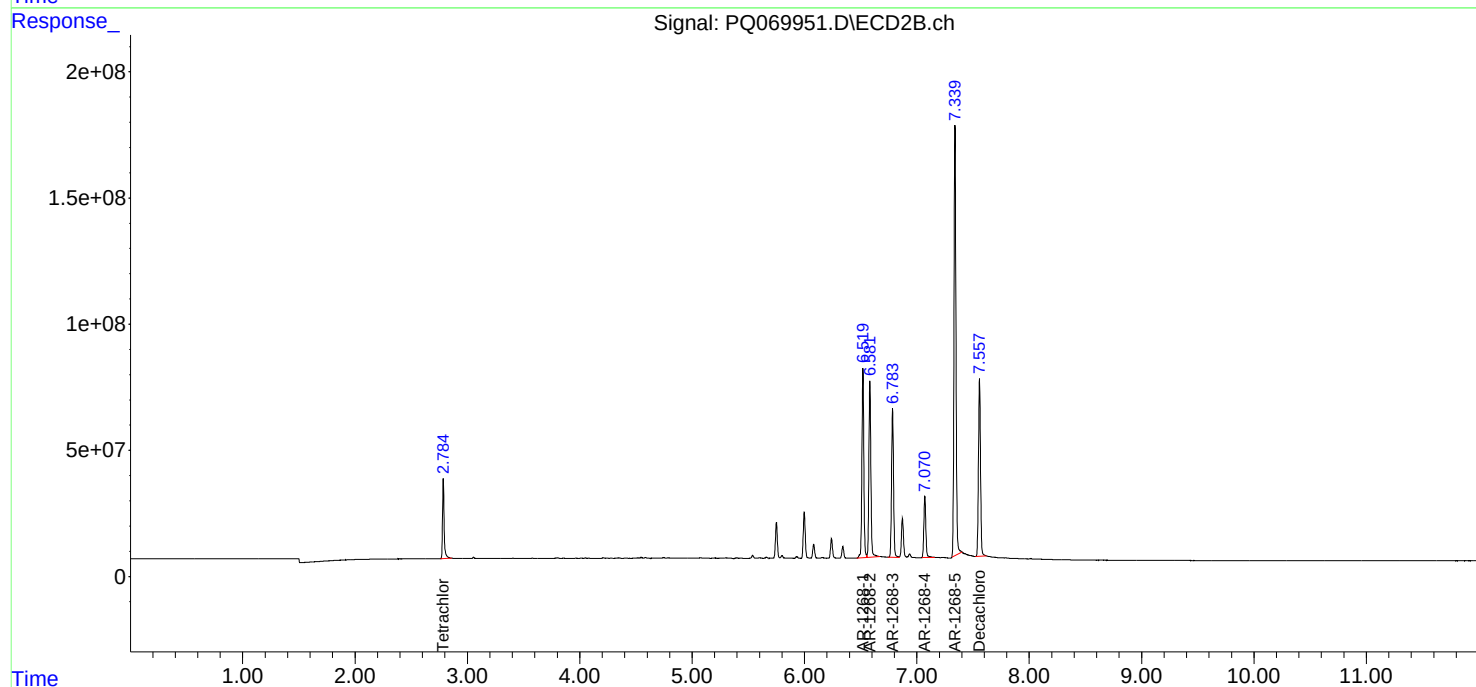
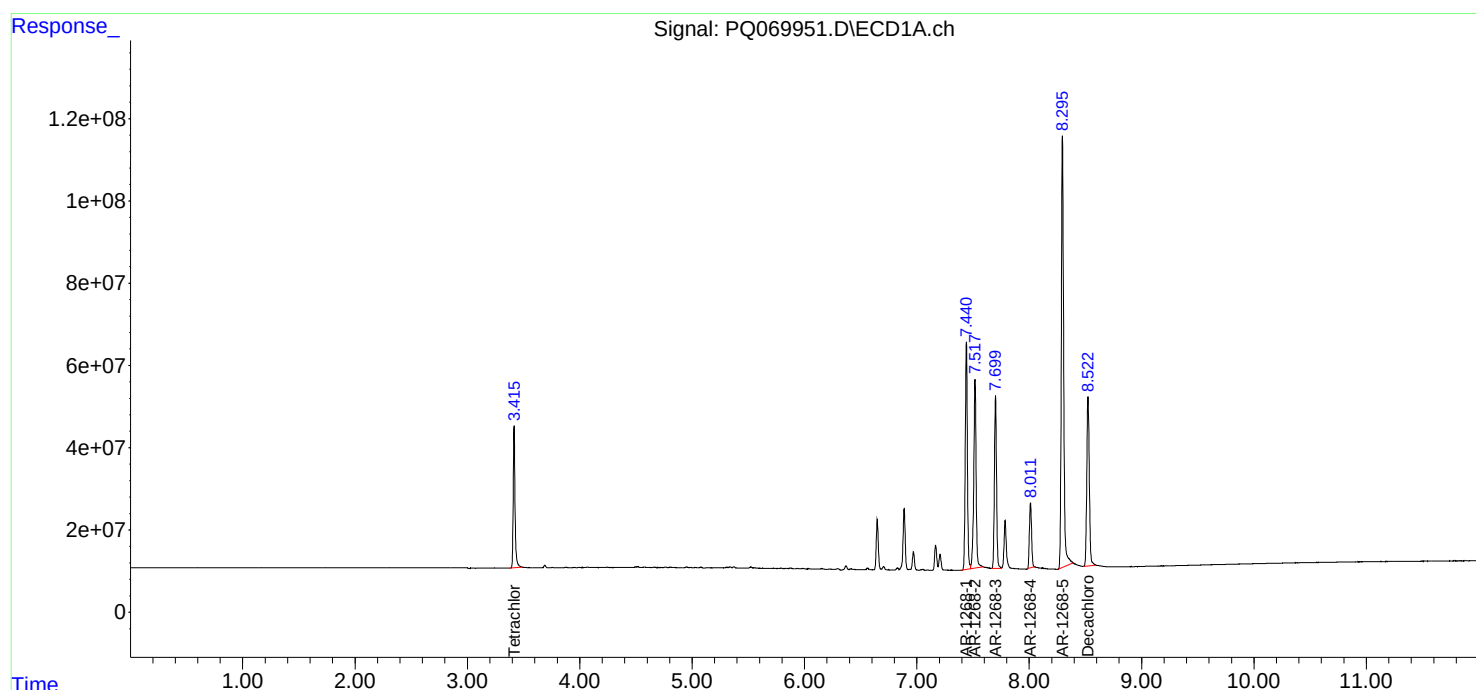
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069951.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 01:47
Operator : YP\AJ
Sample : AR1268ICC800
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR12684004

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:38 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
 Data File : PQ069952.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Feb 2025 02:03
 Operator : YP\AJ
 Sample : AR1268ICC1600
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12685005

Manual Integrations**APPROVED**

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 04 10:46:54 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 10:45:12 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.785	704.0E6	570.4E6	68.340	69.946
2) SA Decachlor...	8.524	7.557	1182.1E6	1680.4E6	142.752	144.033
Target Compounds						
41) L9 AR-1268-1	7.440	6.520	1355.8E6	1680.7E6	1445.121m	1444.010
42) L9 AR-1268-2	7.517	6.582	1249.2E6	1576.3E6	1433.766	1450.473
43) L9 AR-1268-3	7.699	6.784	1038.4E6	1354.2E6	1428.082	1445.194
44) L9 AR-1268-4	8.011	7.071	390.3E6	561.7E6	1438.212	1430.184
45) L9 AR-1268-5	8.296	7.340	2915.2E6	4085.0E6	1500.268	1521.700

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:03
Operator : YP\AJ
Sample : AR1268ICC1600
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR12685005

Manual Integrations

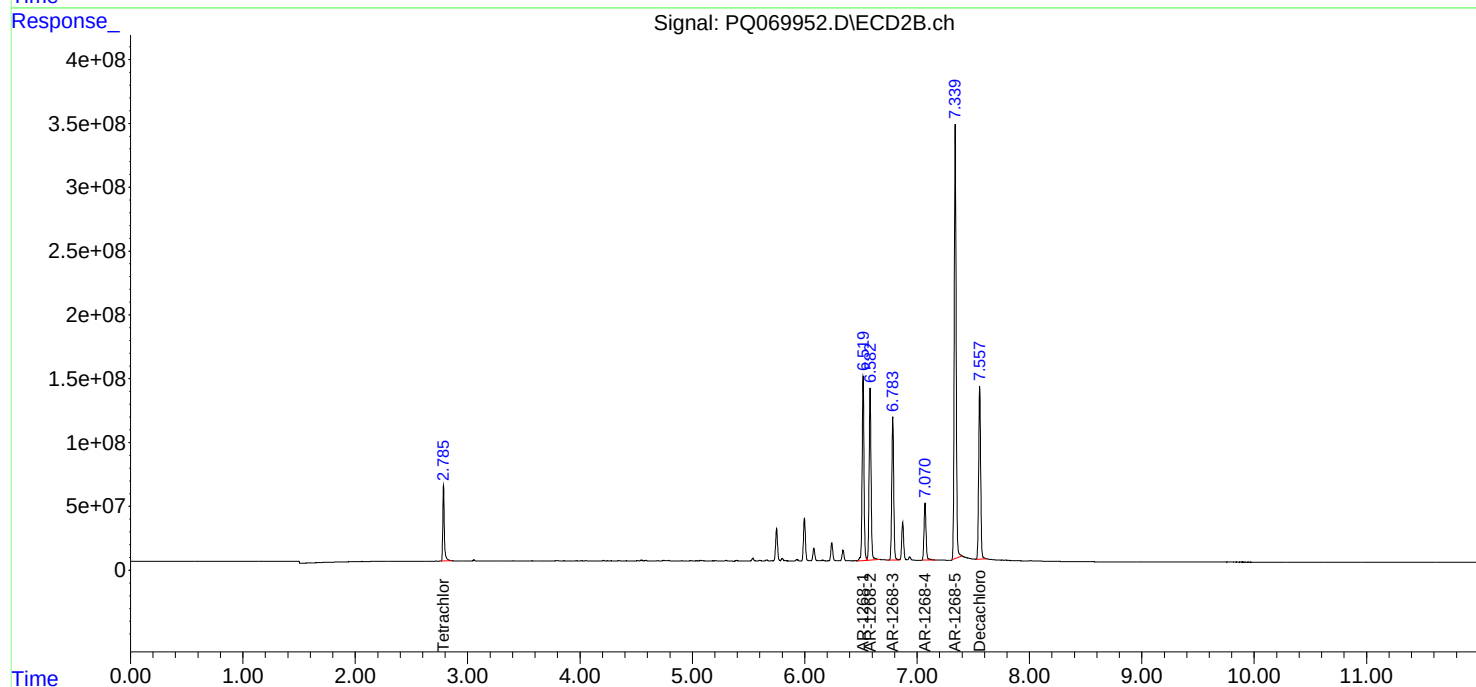
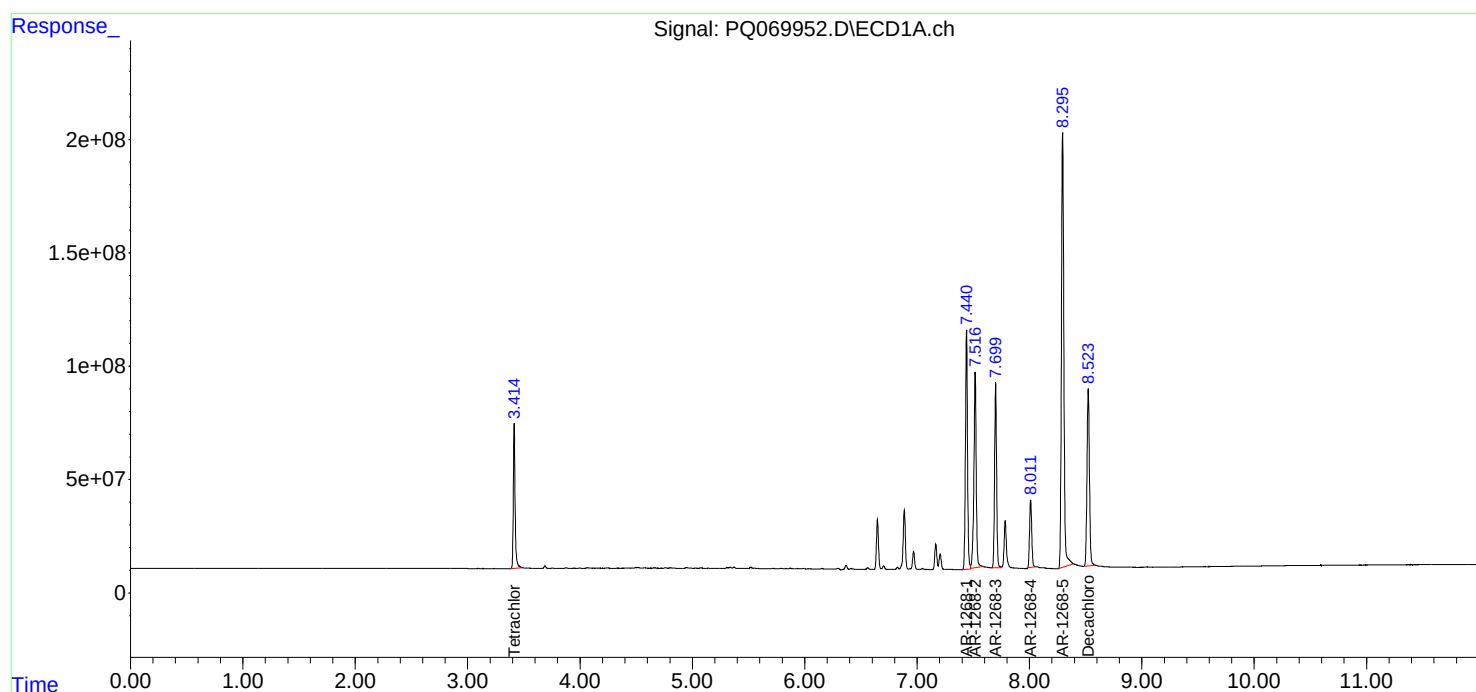
APPROVED

Reviewed By :Yogesh Patel 02/04/2025

Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:03
Operator : YP\AJ
Sample : AR1268ICC1600
Misc :
ALS Vial : 42 Sample Multiplier: 1

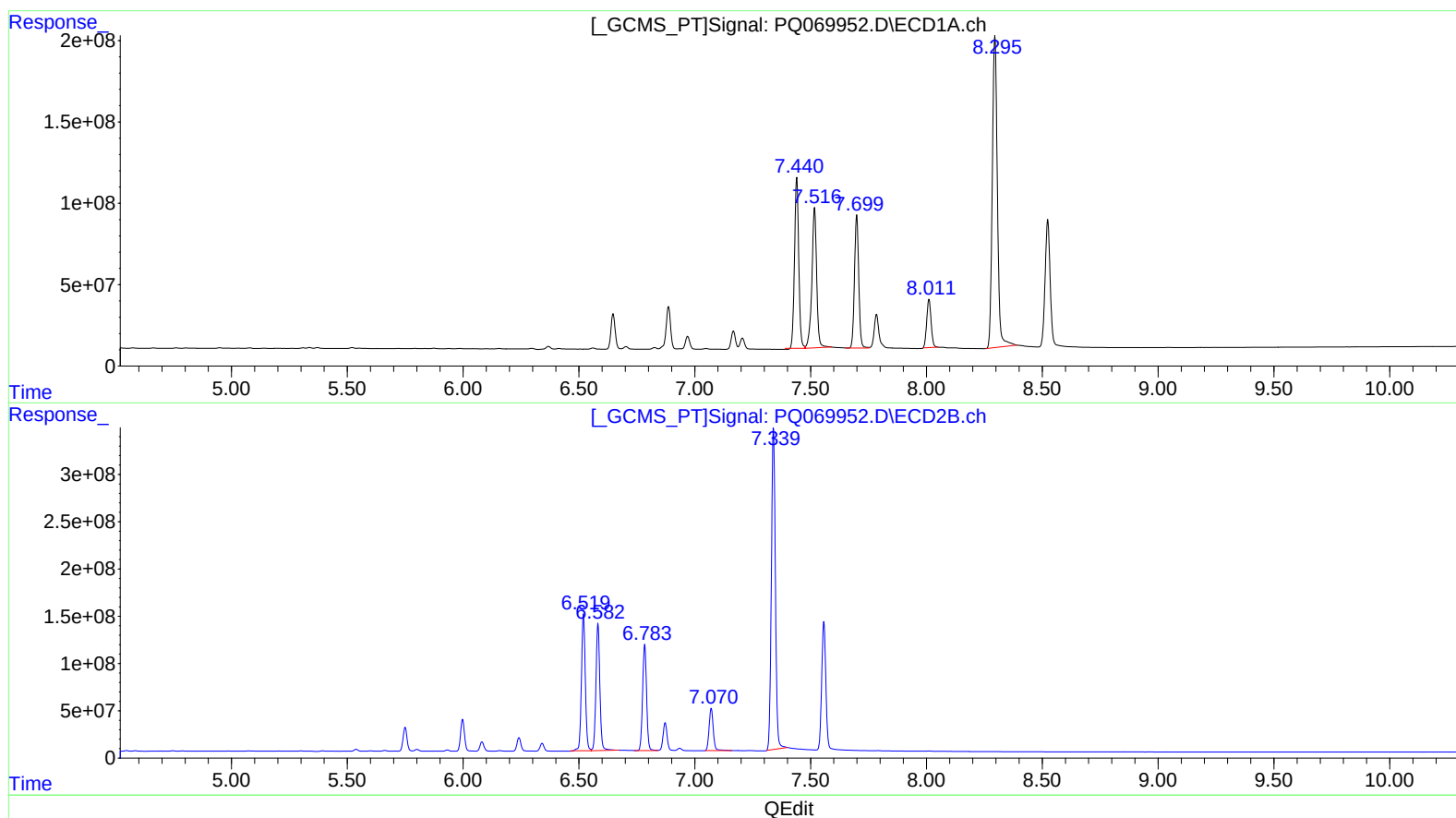
Instrument :
ECD_Q
LabSampleId :
AR1268ICC1600

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(41) AR-1268-1 (L9)
R.T. Response Conc
7.44 1349198908 1438.03
7.52 1249231189 1433.77
7.70 1038401504 1428.08
8.01 390288987 1438.21
8.30 2915241065 1500.27

(41) AR-1268-1 #2 (L9)
R.T. Response Conc
6.52 1680726281 1444.01
6.58 1576320612 1450.47
6.78 1354205109 1445.19
7.07 561650104 1430.18
7.34 4085014968 1521.70

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069952.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Feb 2025 02:03
Operator : YP\AJ
Sample : AR1268ICC1600
Misc :
ALS Vial : 42 Sample Multiplier: 1

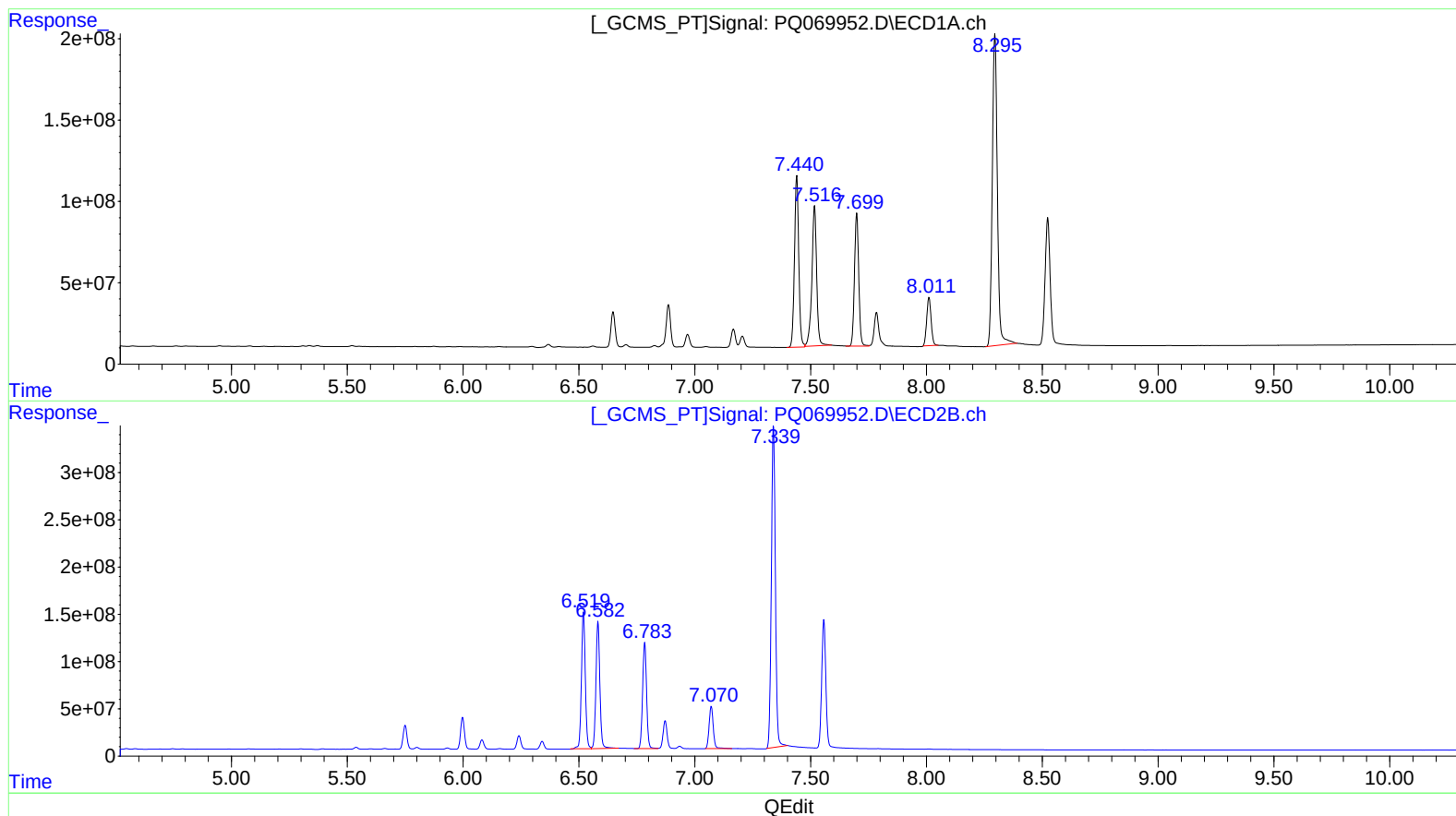
Instrument :
ECD_Q
LabSampleId :
AR1268ICC1600

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/04/2025
Supervised By :Ankita Jodhani 02/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 10:46:54 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 10:45:12 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



(41) AR-1268-1 (L9)
R.T. Response Conc
7.44 1355847064 1445.12
7.52 1249231189 1433.77
7.70 1038401504 1428.08
8.01 390288987 1438.21
8.30 2915241065 1500.27

(41) AR-1268-1 #2 (L9)
R.T. Response Conc
6.52 1680726281 1444.01
6.58 1576320612 1450.47
6.78 1354205109 1445.19
7.07 561650104 1430.18
7.34 4085014968 1521.70



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Continuing Calib Date: 02/11/2025 Initial Calibration Date(s): 02/03/2025 02/04/2025

Continuing Calib Time: 17:19 Initial Calibration Time(s): 15:58 02:03

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.50	4.50	4.43	4.57	0.00
Aroclor-1016-2	(2)	4.52	4.52	4.45	4.59	0.00
Aroclor-1016-3	(3)	4.58	4.58	4.51	4.65	0.00
Aroclor-1016-4	(4)	4.67	4.67	4.60	4.74	0.00
Aroclor-1016-5	(5)	4.95	4.95	4.88	5.02	0.00
Aroclor-1260-1	(1)	6.04	6.04	5.97	6.11	0.00
Aroclor-1260-2	(2)	6.30	6.30	6.23	6.37	0.00
Aroclor-1260-3	(3)	6.65	6.65	6.58	6.72	0.00
Aroclor-1260-4	(4)	6.86	6.86	6.79	6.93	0.00
Aroclor-1260-5	(5)	7.17	7.17	7.10	7.24	0.00
TCX		3.42	3.42	3.37	3.47	0.00
DCB		8.53	8.53	8.43	8.63	0.00



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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Continuing Calib Date: 02/11/2025 Initial Calibration Date(s): 02/03/2025 02/04/2025

Continuing Calib Time: 17:19 Initial Calibration Time(s): 15:58 02:03

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	3.79	3.79	3.72	3.86	0.00
Aroclor-1016-2	(2)	3.81	3.81	3.74	3.88	0.00
Aroclor-1016-3	(3)	3.97	3.97	3.90	4.04	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.94	4.08	0.00
Aroclor-1016-5	(5)	4.21	4.21	4.14	4.28	0.00
Aroclor-1260-1	(1)	5.21	5.21	5.14	5.28	0.01
Aroclor-1260-2	(2)	5.39	5.39	5.32	5.46	0.00
Aroclor-1260-3	(3)	5.54	5.54	5.47	5.61	0.00
Aroclor-1260-4	(4)	6.00	6.00	5.93	6.07	0.00
Aroclor-1260-5	(5)	6.24	6.24	6.17	6.31	0.00
TCX		2.79	2.79	2.74	2.84	0.00
DCB		7.56	7.56	7.46	7.66	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/03/2025 02/03/2025

Client Sample No.: CCAL01 Date Analyzed: 02/11/2025

Lab Sample No.: AR1660CCC400 Data File : PQ069975.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.499	4.400	4.600	246428000.000	230460000.000	-6.5
Aroclor-1016-2	4.518	4.418	4.618	401073200.000	377784000.000	-5.8
Aroclor-1016-3	4.576	4.476	4.676	254289000.000	243932000.000	-4.1
Aroclor-1016-4	4.666	4.565	4.765	205550800.000	196814000.000	-4.3
Aroclor-1016-5	4.951	4.850	5.050	202136200.000	194915000.000	-3.6
Aroclor-1260-1	6.042	5.942	6.142	346327400.000	331040000.000	-4.4
Aroclor-1260-2	6.298	6.198	6.398	394244700.000	362855000.000	-8.0
Aroclor-1260-3	6.650	6.549	6.749	307979900.000	287401000.000	-6.7
Aroclor-1260-4	6.864	6.764	6.964	334749900.000	312932000.000	-6.5
Aroclor-1260-5	7.170	7.071	7.271	624266900.000	565993000.000	-9.3
DCB	8.527	8.427	8.627	3793119000.000	3548280000.000	-6.5
TCX	3.416	3.316	3.516	8953265000.000	8492160000.000	-5.2



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/03/2025 02/03/2025

Client Sample No.: CCAL01 Date Analyzed: 02/11/2025

Lab Sample No.: AR1660CCC400 Data File : PQ069975.D Time Analyzed: 17:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.789	3.689	3.889	241461400.000	219367000.000	-9.2
Aroclor-1016-2	3.805	3.705	3.905	372292200.000	345706000.000	-7.1
Aroclor-1016-3	3.966	3.866	4.066	209142600.000	195612000.000	-6.5
Aroclor-1016-4	4.014	3.914	4.114	183680500.000	173829000.000	-5.4
Aroclor-1016-5	4.210	4.110	4.310	220642100.000	207234000.000	-6.1
Aroclor-1260-1	5.205	5.106	5.306	400982800.000	371887000.000	-7.3
Aroclor-1260-2	5.394	5.294	5.494	475736000.000	437324000.000	-8.1
Aroclor-1260-3	5.536	5.436	5.636	445931200.000	408870000.000	-8.3
Aroclor-1260-4	5.998	5.898	6.098	389237200.000	364279000.000	-6.4
Aroclor-1260-5	6.243	6.143	6.343	865239900.000	798723000.000	-7.7
DCB	7.559	7.459	7.659	6072876000.000	5623070000.000	-7.4
TCX	2.786	2.685	2.885	7930420000.000	7396960000.000	-6.8

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
 Data File : PQ069975.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2025 17:19
 Operator : YP\AJ
 Sample : AR1660CCC400
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16603132

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 08:41:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:27:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	169.8E6	147.9E6	18.970	18.655
2) SA Decachlor...	8.527	7.559	141.9E6	224.9E6	37.418	37.037
Target Compounds						
3) L1 AR-1016-1	4.499	3.789	92183908	87746996	374.080	363.400
4) L1 AR-1016-2	4.518	3.805	151.1E6	138.3E6	376.773	371.435
5) L1 AR-1016-3	4.576	3.966	97572656	78244747	383.708	374.122
6) L1 AR-1016-4	4.666	4.014	78725622	69531756	382.998	378.547
7) L1 AR-1016-5	4.951	4.210	77966199	82893651	385.711	375.693
31) L7 AR-1260-1	6.042	5.205	132.4E6	148.8E6	382.344	370.976
32) L7 AR-1260-2	6.298	5.394	145.1E6	174.9E6	368.152	367.703
33) L7 AR-1260-3	6.650	5.536	115.0E6	163.5E6	373.272	366.756
34) L7 AR-1260-4	6.864	5.998	125.2E6	145.7E6	373.930	374.352
35) L7 AR-1260-5	7.170	6.243	226.4E6	319.5E6	362.661	369.249

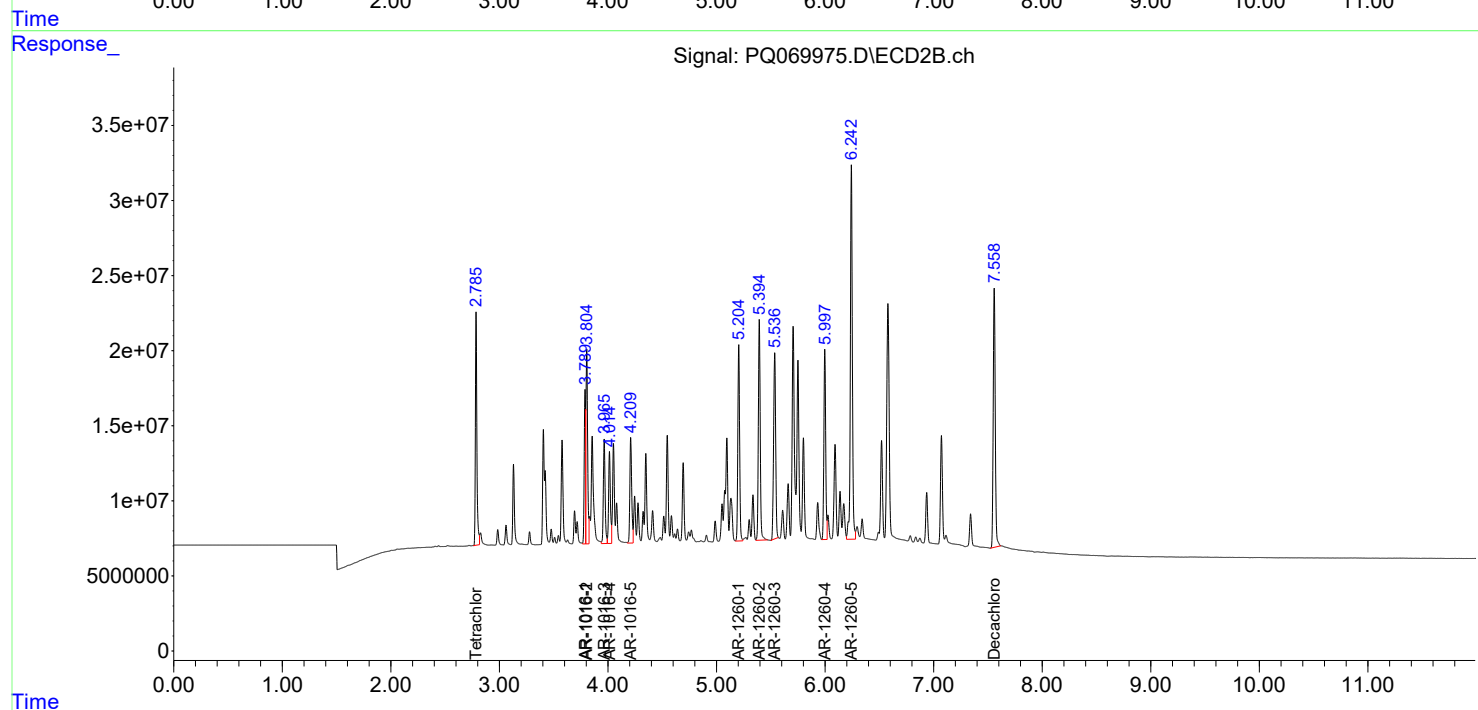
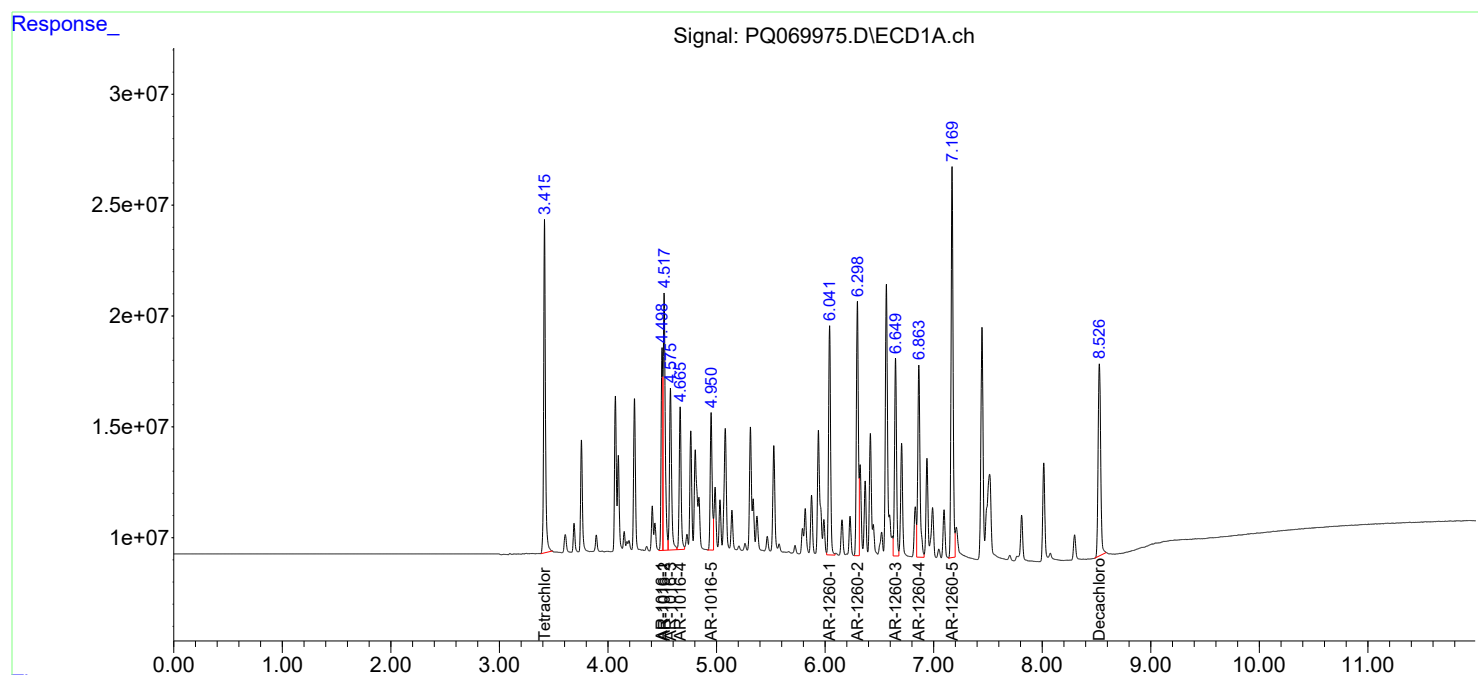
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069975.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 17:19
Operator : YP\AJ
Sample : AR1660CCC400
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR16603132

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:41:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm





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Fax : 908 789 8922

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Continuing Calib Date: 02/11/2025 Initial Calibration Date(s): 02/03/2025 02/04/2025

Continuing Calib Time: 20:40 Initial Calibration Time(s): 15:58 02:03

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.50	4.50	4.43	4.57	0.00
Aroclor-1016-2	(2)	4.52	4.52	4.45	4.59	0.00
Aroclor-1016-3	(3)	4.57	4.58	4.51	4.65	0.01
Aroclor-1016-4	(4)	4.66	4.67	4.60	4.74	0.01
Aroclor-1016-5	(5)	4.95	4.95	4.88	5.02	0.00
Aroclor-1260-1	(1)	6.04	6.04	5.97	6.11	0.00
Aroclor-1260-2	(2)	6.30	6.30	6.23	6.37	0.00
Aroclor-1260-3	(3)	6.65	6.65	6.58	6.72	0.00
Aroclor-1260-4	(4)	6.86	6.86	6.79	6.93	0.00
Aroclor-1260-5	(5)	7.17	7.17	7.10	7.24	0.00
TCX		3.41	3.42	3.37	3.47	0.01
DCB		8.52	8.53	8.43	8.63	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Continuing Calib Date: 02/11/2025 Initial Calibration Date(s): 02/03/2025 02/04/2025

Continuing Calib Time: 20:40 Initial Calibration Time(s): 15:58 02:03

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	3.79	3.79	3.72	3.86	0.00
Aroclor-1016-2	(2)	3.80	3.81	3.74	3.88	0.01
Aroclor-1016-3	(3)	3.97	3.97	3.90	4.04	0.00
Aroclor-1016-4	(4)	4.01	4.01	3.94	4.08	0.00
Aroclor-1016-5	(5)	4.21	4.21	4.14	4.28	0.00
Aroclor-1260-1	(1)	5.21	5.21	5.14	5.28	0.01
Aroclor-1260-2	(2)	5.39	5.39	5.32	5.46	0.00
Aroclor-1260-3	(3)	5.54	5.54	5.47	5.61	0.00
Aroclor-1260-4	(4)	6.00	6.00	5.93	6.07	0.00
Aroclor-1260-5	(5)	6.24	6.24	6.17	6.31	0.00
TCX		2.79	2.79	2.74	2.84	0.00
DCB		7.56	7.56	7.46	7.66	0.00



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CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 02/03/2025 02/03/2025

Client Sample No.: CCAL02 Date Analyzed: 02/11/2025

Lab Sample No.: AR1660CCC400 Data File : PQ069988.D Time Analyzed: 20:40

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.497	4.400	4.600	246428000.000	230093000.000	-6.6
Aroclor-1016-2	4.516	4.418	4.618	401073200.000	366001000.000	-8.7
Aroclor-1016-3	4.574	4.476	4.676	254289000.000	233721000.000	-8.1
Aroclor-1016-4	4.664	4.565	4.765	205550800.000	190204000.000	-7.5
Aroclor-1016-5	4.948	4.850	5.050	202136200.000	187533000.000	-7.2
Aroclor-1260-1	6.039	5.942	6.142	346327400.000	322307000.000	-6.9
Aroclor-1260-2	6.296	6.198	6.398	394244700.000	363108000.000	-7.9
Aroclor-1260-3	6.647	6.549	6.749	307979900.000	283006000.000	-8.1
Aroclor-1260-4	6.862	6.764	6.964	334749900.000	307837000.000	-8.0
Aroclor-1260-5	7.168	7.071	7.271	624266900.000	570161000.000	-8.7
DCB	8.524	8.427	8.627	3793119000.000	3535120000.000	-6.8
TCX	3.414	3.316	3.516	8953265000.000	8177130000.000	-8.7



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

CALIBRATION VERIFICATION SUMMARY

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 02/03/2025 02/03/2025

Client Sample No.: CCAL02 Date Analyzed: 02/11/2025

Lab Sample No.: AR1660CCC400 Data File : PQ069988.D Time Analyzed: 20:40

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.789	3.689	3.889	241461400.000	203752000.000	-15.6
Aroclor-1016-2	3.804	3.705	3.905	372292200.000	313346000.000	-15.8
Aroclor-1016-3	3.966	3.866	4.066	209142600.000	188702000.000	-9.8
Aroclor-1016-4	4.014	3.914	4.114	183680500.000	164838000.000	-10.3
Aroclor-1016-5	4.210	4.110	4.310	220642100.000	201757000.000	-8.6
Aroclor-1260-1	5.205	5.106	5.306	400982800.000	357391000.000	-10.9
Aroclor-1260-2	5.394	5.294	5.494	475736000.000	425759000.000	-10.5
Aroclor-1260-3	5.536	5.436	5.636	445931200.000	398851000.000	-10.6
Aroclor-1260-4	5.997	5.898	6.098	389237200.000	351964000.000	-9.6
Aroclor-1260-5	6.242	6.143	6.343	865239900.000	784847000.000	-9.3
DCB	7.558	7.459	7.659	6072876000.000	5418900000.000	-10.8
TCX	2.786	2.685	2.885	7930420000.000	7051410000.000	-11.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
 Data File : PQ069988.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2025 20:40
 Operator : YP\AJ
 Sample : AR1660CCC400
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR16603133

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/12/2025
 Supervised By :Ankita Jodhani 02/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 08:43:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:27:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.414	2.786	163.5E6	141.0E6	18.266	17.783
2) SA Decachlor...	8.524	7.558	141.4E6	216.8E6	37.279	35.693
Target Compounds						
3) L1 AR-1016-1	4.497	3.789	92037067	81500934	373.485	337.532m
4) L1 AR-1016-2	4.516	3.804	146.4E6	125.3E6	365.021	336.667m
5) L1 AR-1016-3	4.574	3.966	93488221	75480620	367.646	360.905
6) L1 AR-1016-4	4.664	4.014	76081553	65935065	370.135	358.966
7) L1 AR-1016-5	4.948	4.210	75013025	80702874	371.101	365.764
31) L7 AR-1260-1	6.039	5.205	128.9E6	143.0E6	372.257	356.515
32) L7 AR-1260-2	6.296	5.394	145.2E6	170.3E6	368.409	357.979
33) L7 AR-1260-3	6.647	5.536	113.2E6	159.5E6	367.564	357.769
34) L7 AR-1260-4	6.862	5.997	123.1E6	140.8E6	367.841	361.696
35) L7 AR-1260-5	7.168	6.242	228.1E6	313.9E6	365.331	362.834

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1660CCC400
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

AR16603133

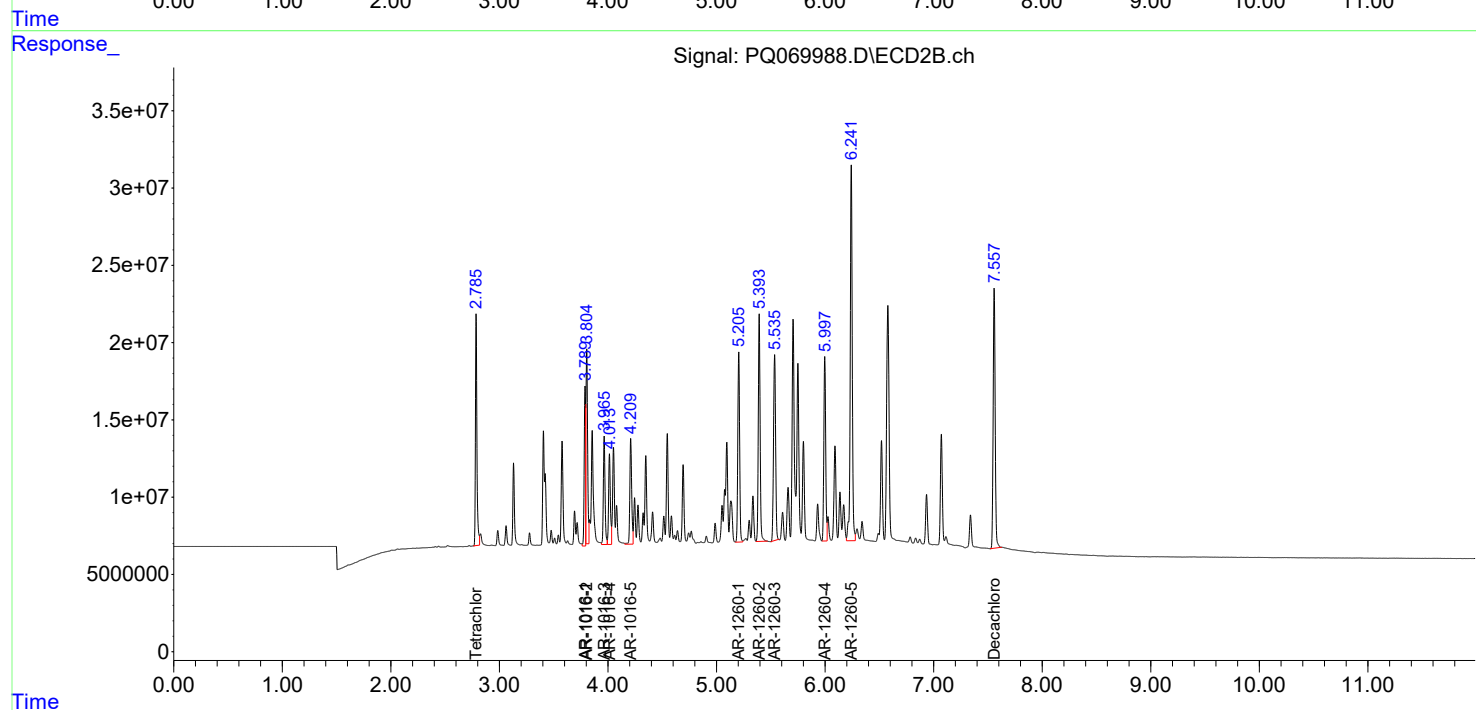
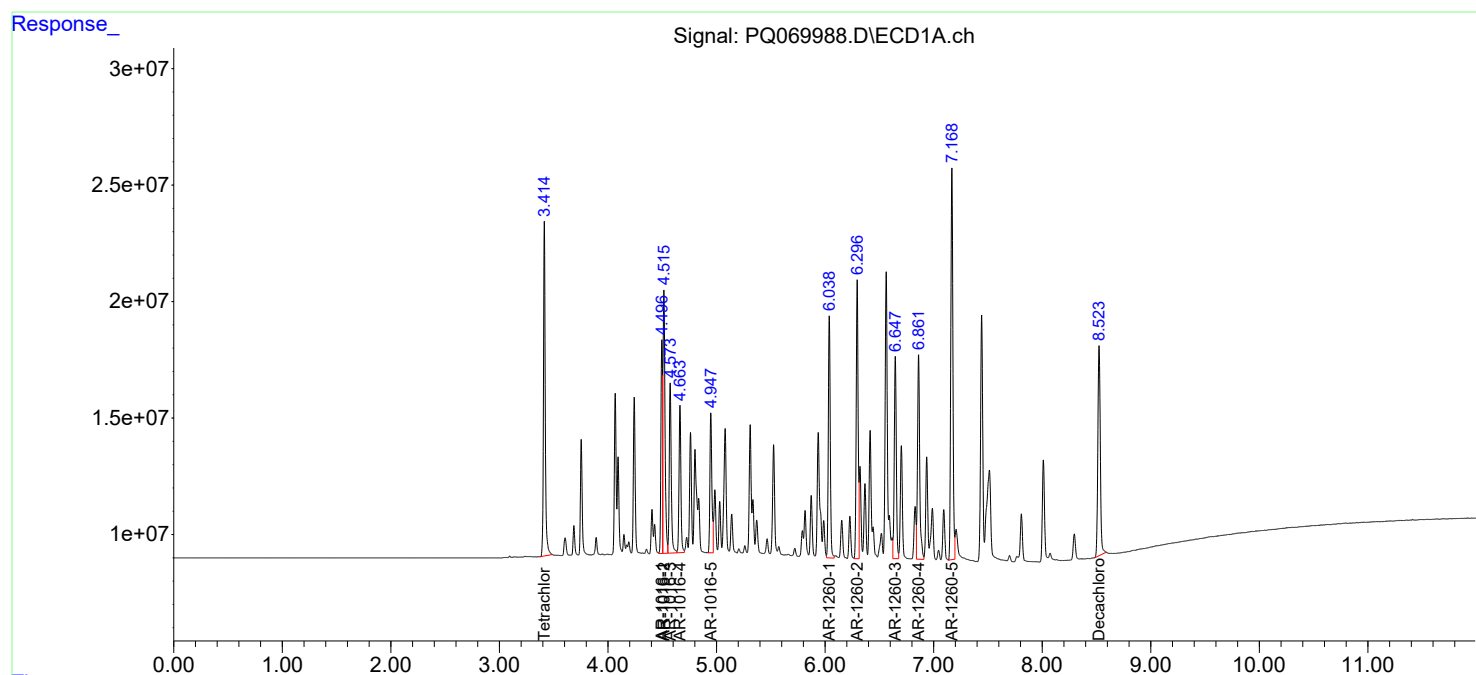
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1660CCC400
Misc :
ALS Vial : 3 Sample Multiplier: 1

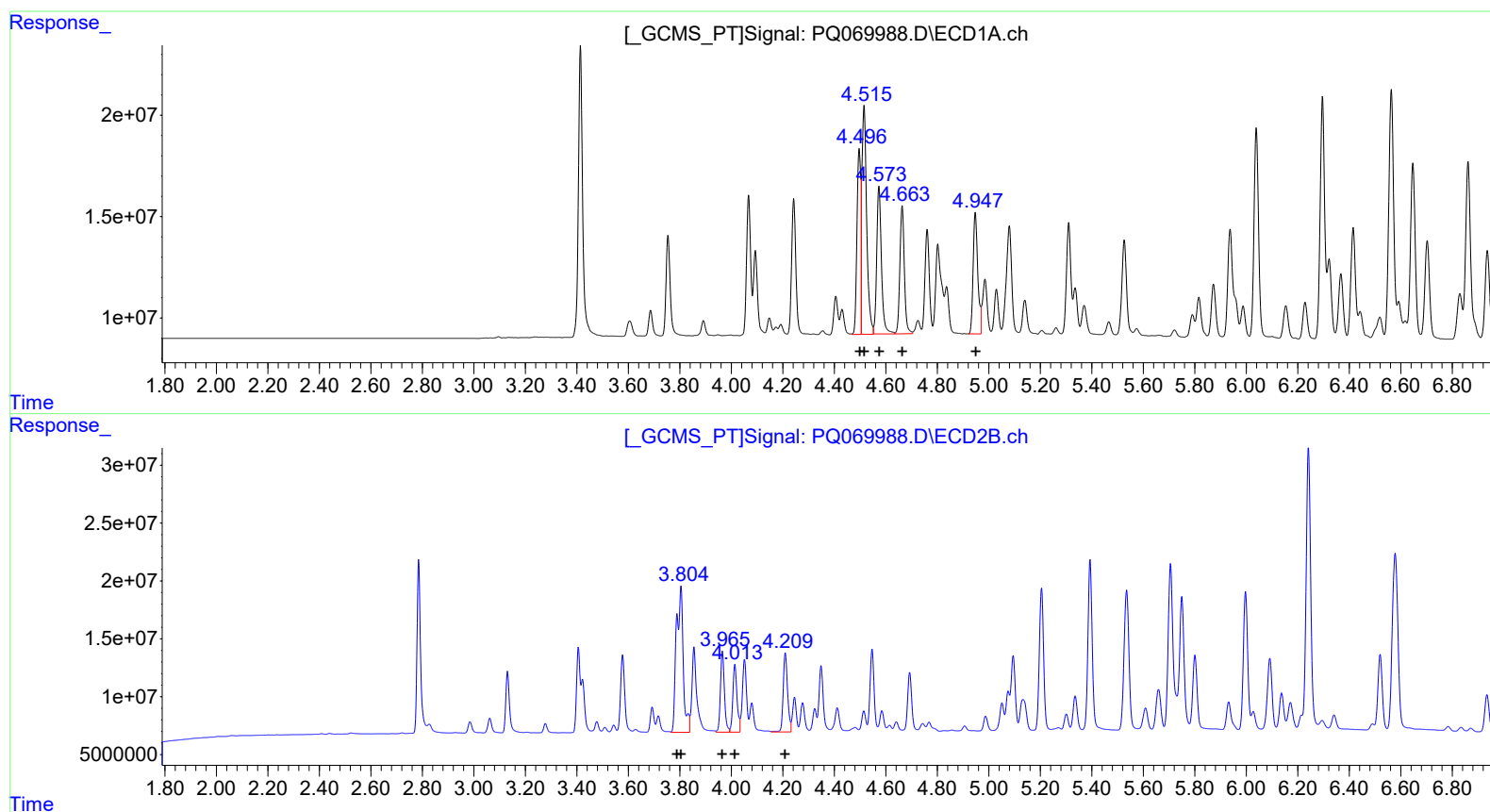
Instrument :
ECD_Q
LabSampleId :
AR1660CCC400

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/12/2025
Supervised By :Ankita Jodhani 02/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



QEdit

(3) AR-1016-1 (L1)
R.T. Response Conc
4.50 92037067 373.48
4.52 146400231 365.02
4.57 93488221 367.65
4.66 76081553 370.13
4.95 75013025 371.10
(3) AR-1016-1 #2 (L1)
R.T. Response Conc
3.80 232501847 962.89
3.80 232501847 624.51
3.97 75480620 360.91
4.01 65935065 358.97
4.21 80702874 365.76

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069988.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 20:40
Operator : YP\AJ
Sample : AR1660CCC400
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :

ECD_Q

LabSampleId :

AR1660CCC400

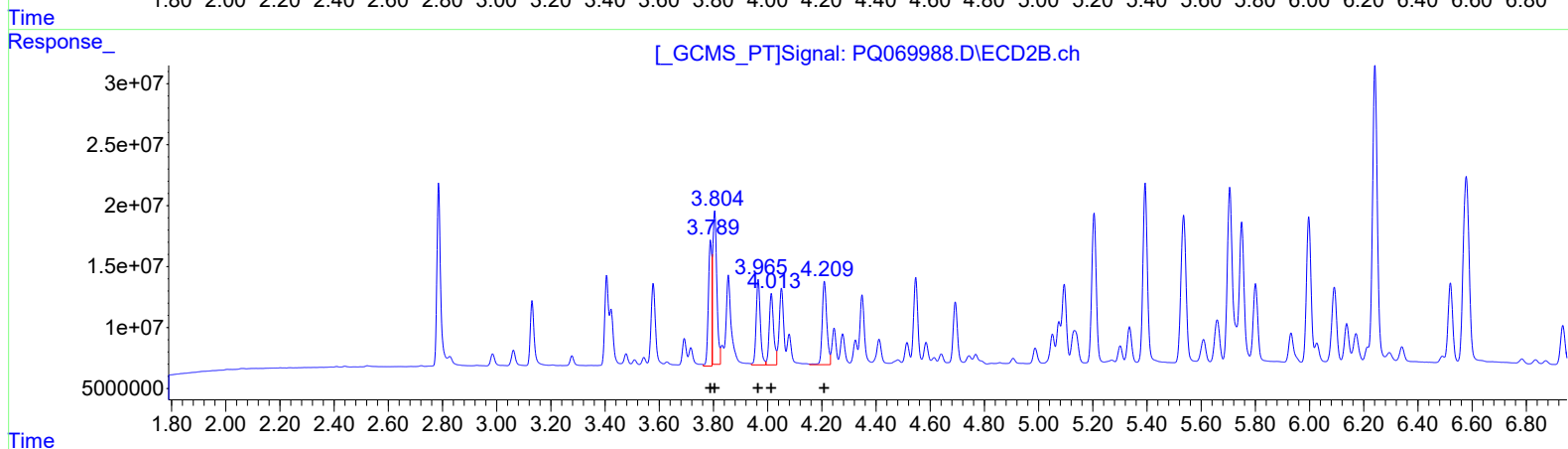
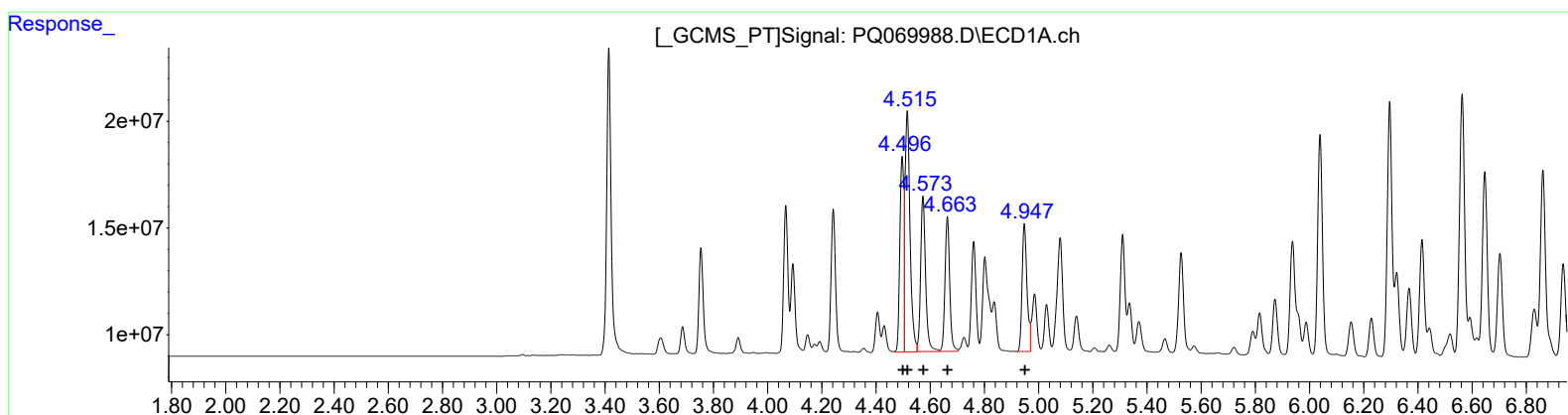
Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 02/12/2025

Supervised By :Ankita Jodhani 02/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:47 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



QEdit

(3) AR-1016-1 (L1)

R.T.	Response	Conc
4.50	92037067	373.48
4.52	146400231	365.02
4.57	93488221	367.65
4.66	76081553	370.13
4.95	75013025	371.10

(3) AR-1016-1 #2 (L1)

R.T.	Response	Conc
3.79	81500934	337.53
3.80	125338590	336.67
3.97	75480620	360.91
4.01	65935065	358.97
4.21	80702874	365.76

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: Q1328

Project: Weekly Storage Blanks

Instrument ID: ECD_Q

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/03/2025 02/03/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
AIBLK313	AIBLK059	02/03/2025	15:43	PQ069912.D	8.53	3.42
AR16601016	AR1660ICC100	02/03/2025	15:58	PQ069913.D	8.53	3.42
AR16602017	AR1660ICC200	02/03/2025	16:14	PQ069914.D	8.53	3.42
AR16603018	AR1660ICC400	02/03/2025	16:30	PQ069915.D	8.53	3.42
AR16604019	AR1660ICC800	02/03/2025	16:45	PQ069916.D	8.53	3.42
AR16605020	AR1660ICC1600	02/03/2025	17:01	PQ069917.D	8.53	3.42
AR12211021	AR1221ICC100	02/03/2025	17:16	PQ069918.D	8.53	3.42
AR12212022	AR1221ICC200	02/03/2025	17:32	PQ069919.D	8.53	3.42
AR12213023	AR1221ICC400	02/03/2025	17:47	PQ069920.D	8.52	3.41
AR12214024	AR1221ICC800	02/03/2025	18:03	PQ069921.D	8.53	3.42
AR12215025	AR1221ICC1600	02/03/2025	18:18	PQ069922.D	8.53	3.42
AR12321026	AR1232ICC100	02/03/2025	18:34	PQ069923.D	8.53	3.42
AR12322027	AR1232ICC200	02/03/2025	18:49	PQ069924.D	8.53	3.42
AR12323028	AR1232ICC400	02/03/2025	19:05	PQ069925.D	8.53	3.42
AR12324029	AR1232ICC800	02/03/2025	19:20	PQ069926.D	8.53	3.42
AR12325030	AR1232ICC1600	02/03/2025	19:36	PQ069927.D	8.53	3.42
AR12421031	AR1242ICC100	02/03/2025	19:52	PQ069928.D	8.53	3.42
AR12422032	AR1242ICC200	02/03/2025	20:07	PQ069929.D	8.53	3.42
AR12423033	AR1242ICC400	02/03/2025	20:23	PQ069930.D	8.53	3.42
AR12424034	AR1242ICC800	02/03/2025	20:39	PQ069931.D	8.53	3.42
AR12425035	AR1242ICC1600	02/03/2025	20:54	PQ069932.D	8.53	3.42
AR12481036	AR1248ICC100	02/03/2025	21:10	PQ069933.D	8.53	3.42
AR12482037	AR1248ICC200	02/03/2025	21:25	PQ069934.D	8.53	3.42
AR12483038	AR1248ICC400	02/03/2025	21:41	PQ069935.D	8.53	3.41
AR12484039	AR1248ICC800	02/03/2025	21:56	PQ069936.D	8.52	3.41
AR12485040	AR1248ICC1600	02/03/2025	22:11	PQ069937.D	8.53	3.42
AR12541041	AR1254ICC100	02/03/2025	22:27	PQ069938.D	8.53	3.41
AR12542042	AR1254ICC200	02/03/2025	22:42	PQ069939.D	8.53	3.42
AR12543043	AR1254ICC400	02/03/2025	22:58	PQ069940.D	8.53	3.41
AR12544044	AR1254ICC800	02/03/2025	23:13	PQ069941.D	8.52	3.42
AR12545045	AR1254ICC1600	02/03/2025	23:29	PQ069942.D	8.53	3.42
AR12621046	AR1262ICC100	02/03/2025	23:44	PQ069943.D	8.52	3.41
AR12622047	AR1262ICC200	02/03/2025	23:59	PQ069944.D	8.52	3.42
AR12623048	AR1262ICC400	02/04/2025	00:15	PQ069945.D	8.52	3.42
AR12624049	AR1262ICC800	02/04/2025	00:30	PQ069946.D	8.52	3.41
AR12625050	AR1262ICC1600	02/04/2025	00:45	PQ069947.D	8.52	3.41
AR12681001	AR1268ICC100	02/04/2025	01:01	PQ069948.D	8.53	3.42
AR12682002	AR1268ICC200	02/04/2025	01:16	PQ069949.D	8.52	3.42
AR12683003	AR1268ICC400	02/04/2025	01:32	PQ069950.D	8.52	3.42
AR12684004	AR1268ICC800	02/04/2025	01:47	PQ069951.D	8.52	3.42
AR12685005	AR1268ICC1600	02/04/2025	02:03	PQ069952.D	8.52	3.41
AIBLK317	AIBLK005	02/11/2025	17:04	PQ069974.D	8.53	3.42

Analytical Sequence

AR16603132	AR1660CCC400	02/11/2025	17:19	PQ069975.D	8.53	3.42
PCB-GPC2-BLANK	Q1328-13	02/11/2025	19:54	PQ069985.D	0.00	0.00
PCB-GPC2-BLANK-SPIKE	Q1328-14	02/11/2025	20:09	PQ069986.D	0.00	0.00
AIBLK318	AIBLK006	02/11/2025	20:25	PQ069987.D	8.52	3.42
AR16603133	AR1660CCC400	02/11/2025	20:40	PQ069988.D	8.52	3.41

Analytical Sequence

Client: Chemtech Consulting Group

SDG No.: Q1328

Project: Weekly Storage Blanks

Instrument ID: ECD_Q

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 02/03/2025

02/03/2025

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
AIBLK313	AIBLK059	02/03/2025	15:43	PQ069912.D	7.56	2.79
AR16601016	AR1660ICC100	02/03/2025	15:58	PQ069913.D	7.56	2.79
AR16602017	AR1660ICC200	02/03/2025	16:14	PQ069914.D	7.56	2.79
AR16603018	AR1660ICC400	02/03/2025	16:30	PQ069915.D	7.56	2.79
AR16604019	AR1660ICC800	02/03/2025	16:45	PQ069916.D	7.56	2.79
AR16605020	AR1660ICC1600	02/03/2025	17:01	PQ069917.D	7.56	2.79
AR12211021	AR1221ICC100	02/03/2025	17:16	PQ069918.D	7.56	2.79
AR12212022	AR1221ICC200	02/03/2025	17:32	PQ069919.D	7.56	2.79
AR12213023	AR1221ICC400	02/03/2025	17:47	PQ069920.D	7.56	2.79
AR12214024	AR1221ICC800	02/03/2025	18:03	PQ069921.D	7.56	2.79
AR12215025	AR1221ICC1600	02/03/2025	18:18	PQ069922.D	7.56	2.79
AR12321026	AR1232ICC100	02/03/2025	18:34	PQ069923.D	7.56	2.79
AR12322027	AR1232ICC200	02/03/2025	18:49	PQ069924.D	7.56	2.79
AR12323028	AR1232ICC400	02/03/2025	19:05	PQ069925.D	7.56	2.79
AR12324029	AR1232ICC800	02/03/2025	19:20	PQ069926.D	7.56	2.79
AR12325030	AR1232ICC1600	02/03/2025	19:36	PQ069927.D	7.56	2.79
AR12421031	AR1242ICC100	02/03/2025	19:52	PQ069928.D	7.56	2.79
AR12422032	AR1242ICC200	02/03/2025	20:07	PQ069929.D	7.56	2.79
AR12423033	AR1242ICC400	02/03/2025	20:23	PQ069930.D	7.56	2.79
AR12424034	AR1242ICC800	02/03/2025	20:39	PQ069931.D	7.56	2.79
AR12425035	AR1242ICC1600	02/03/2025	20:54	PQ069932.D	7.56	2.79
AR12481036	AR1248ICC100	02/03/2025	21:10	PQ069933.D	7.56	2.79
AR12482037	AR1248ICC200	02/03/2025	21:25	PQ069934.D	7.56	2.79
AR12483038	AR1248ICC400	02/03/2025	21:41	PQ069935.D	7.56	2.79
AR12484039	AR1248ICC800	02/03/2025	21:56	PQ069936.D	7.56	2.79
AR12485040	AR1248ICC1600	02/03/2025	22:11	PQ069937.D	7.56	2.79
AR12541041	AR1254ICC100	02/03/2025	22:27	PQ069938.D	7.56	2.79
AR12542042	AR1254ICC200	02/03/2025	22:42	PQ069939.D	7.56	2.79
AR12543043	AR1254ICC400	02/03/2025	22:58	PQ069940.D	7.56	2.79
AR12544044	AR1254ICC800	02/03/2025	23:13	PQ069941.D	7.56	2.79
AR12545045	AR1254ICC1600	02/03/2025	23:29	PQ069942.D	7.56	2.79
AR12621046	AR1262ICC100	02/03/2025	23:44	PQ069943.D	7.56	2.79
AR12622047	AR1262ICC200	02/03/2025	23:59	PQ069944.D	7.56	2.79
AR12623048	AR1262ICC400	02/04/2025	00:15	PQ069945.D	7.56	2.79
AR12624049	AR1262ICC800	02/04/2025	00:30	PQ069946.D	7.56	2.79
AR12625050	AR1262ICC1600	02/04/2025	00:45	PQ069947.D	7.56	2.79
AR12681001	AR1268ICC100	02/04/2025	01:01	PQ069948.D	7.56	2.79
AR12682002	AR1268ICC200	02/04/2025	01:16	PQ069949.D	7.56	2.79
AR12683003	AR1268ICC400	02/04/2025	01:32	PQ069950.D	7.56	2.79
AR12684004	AR1268ICC800	02/04/2025	01:47	PQ069951.D	7.56	2.79
AR12685005	AR1268ICC1600	02/04/2025	02:03	PQ069952.D	7.56	2.79
AIBLK317	AIBLK005	02/11/2025	17:04	PQ069974.D	7.56	2.79

Analytical Sequence

AR16603132	AR1660CCC400	02/11/2025	17:19	PQ069975.D	7.56	2.79
PCB-GPC2-BLANK	Q1328-13	02/11/2025	19:54	PQ069985.D	0.00	0.00
PCB-GPC2-BLANK-SPIKE	Q1328-14	02/11/2025	20:09	PQ069986.D	0.00	0.00
AIBLK318	AIBLK006	02/11/2025	20:25	PQ069987.D	7.56	2.79
AR16603133	AR1660CCC400	02/11/2025	20:40	PQ069988.D	7.56	2.79

COMPOUND DETECTION SUMMARY

CLIENT SAMPLE NO.

--

Contract: CHEM02

Lab Code: CHEM **Case No.:** Q1328 **SAS No.:** Q1328 **SDG NO.:** Q1328

Lab Sample ID: _____ **Date(s) Analyzed:** _____

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

GC Column: (1): _____ **ID:** _____ **(mm)** **GC Column:(2):** _____ **ID:** _____ **(mm)**

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
	1					
	2					



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PCB-GPC2-BLANK-SPIK

Contract: CHEM02

Lab Code: CHEM Case No.: Q1328 SAS No.: Q1328 SDG NO.: Q1328

Lab Sample ID: Q1328-14 Date(s) Analyzed: 02/11/2025 02/11/2025

Instrument ID (1): ECD_Q Instrument ID (2): ECD_Q

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

Data file PQ069986.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.498	4.448	4.548	171	167	4.1
COLUMN 1	2	4.517	4.467	4.567	175		
	3	4.575	4.525	4.625	167		
	4	4.665	4.615	4.715	162		
	5	4.95	4.9	5	158		
	1	3.79	3.74	3.84	179		
COLUMN 2	2	3.806	3.756	3.856	183	173	
	3	3.966	3.916	4.016	172		
	4	4.015	3.965	4.065	165		
	5	4.21	4.16	4.26	169		
Aroclor-1260	1	6.04	5.99	6.09	197	181	6.4
COLUMN 1	2	6.297	6.247	6.347	193		
	3	6.648	6.598	6.698	168		
	4	6.862	6.812	6.912	173		
	5	7.168	7.118	7.218	173		
	1	5.204	5.154	5.254	207	193	
COLUMN 2	2	5.394	5.344	5.444	199		
	3	5.536	5.486	5.586	196		
	4	5.997	5.947	6.047	171		
	5	6.242	6.192	6.292	191		



QC SAMPLE DATA

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/03/25
Project:	Weekly Storage Blanks	Date Received:	02/03/25
Client Sample ID:	PIBLK-PQ069912.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PQ069912.D	Matrix:	WATER
Analytical Method:	SFAM_PCB	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ069912.D	1		02/03/25	PQ020325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.057	U	0.057	1.00	ug/L
11104-28-2	Aroclor-1221	0.057	U	0.057	1.00	ug/L
11141-16-5	Aroclor-1232	0.057	U	0.057	1.00	ug/L
53469-21-9	Aroclor-1242	0.057	U	0.057	1.00	ug/L
12672-29-6	Aroclor-1248	0.057	U	0.057	1.00	ug/L
11097-69-1	Aroclor-1254	0.057	U	0.057	1.00	ug/L
11096-82-5	Aroclor-1260	0.057	U	0.057	1.00	ug/L
37324-23-5	Aroclor-1262	0.057	U	0.057	1.00	ug/L
11100-14-4	Aroclor-1268	0.057	U	0.057	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0.19		30 - 150	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	0.41		30 - 150	102%	SPK: 40

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_Q\Data\PQ020325\
Data File : PQ069912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:43
Operator : YP\AJ
Sample : AIBLK001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AIBLK313

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	172.8E6	163.4E6	19.303	20.599
2) SA Decachlor...	8.527	7.559	155.2E6	247.4E6	40.905	40.741

Target Compounds

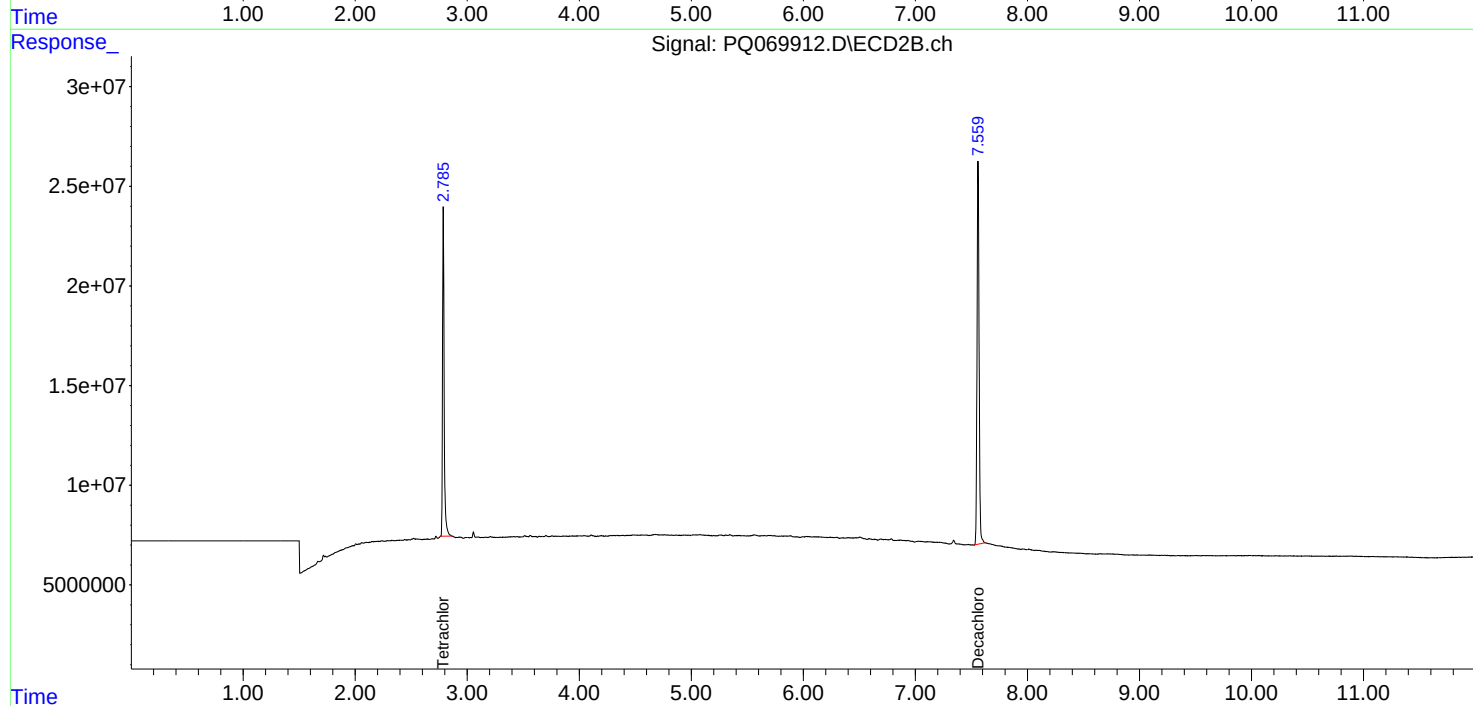
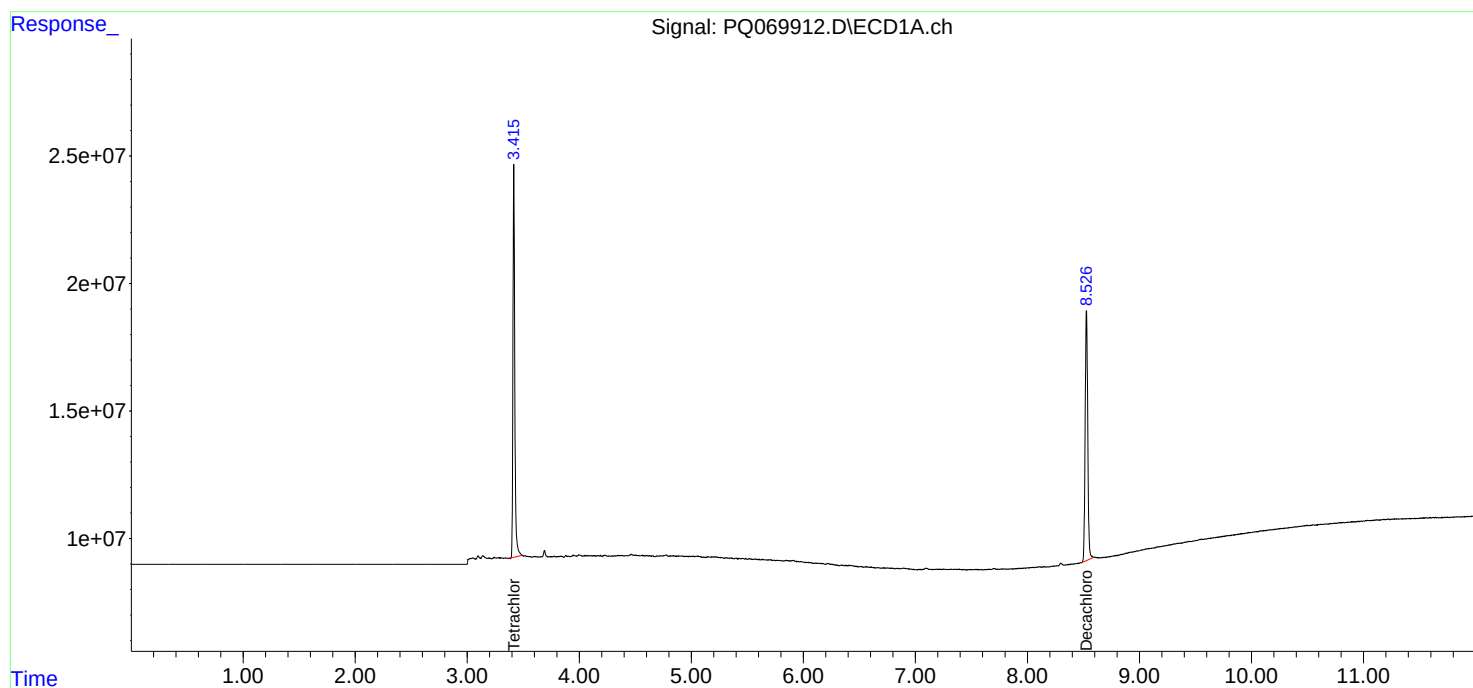
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ020325\
Data File : PQ069912.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Feb 2025 15:43
Operator : YP\AJ
Sample : AIBLK001
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AIBLK313

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 04 13:28:42 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/11/25
Project:	Weekly Storage Blanks	Date Received:	02/11/25
Client Sample ID:	PIBLK-PQ069974.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PQ069974.D	Matrix:	WATER
Analytical Method:	SFAM_PCB	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
PH :			
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ069974.D	1		02/11/25	PQ021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.057	U	0.057	1.00	ug/L
11104-28-2	Aroclor-1221	0.057	U	0.057	1.00	ug/L
11141-16-5	Aroclor-1232	0.057	U	0.057	1.00	ug/L
53469-21-9	Aroclor-1242	0.057	U	0.057	1.00	ug/L
12672-29-6	Aroclor-1248	0.057	U	0.057	1.00	ug/L
11097-69-1	Aroclor-1254	0.057	U	0.057	1.00	ug/L
11096-82-5	Aroclor-1260	0.057	U	0.057	1.00	ug/L
37324-23-5	Aroclor-1262	0.057	U	0.057	1.00	ug/L
11100-14-4	Aroclor-1268	0.057	U	0.057	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0.20		30 - 150	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	0.40		30 - 150	101%	SPK: 40

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_Q\Data\PQ021125\
 Data File : PQ069974.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2025 17:04
 Operator : YP\AJ
 Sample : AIBLK005
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AIBLK317

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 08:41:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:27:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.416	2.786	180.3E6	162.9E6	20.142	20.540
2) SA Decachlor...	8.529	7.559	157.8E6	244.5E6	41.608	40.258

Target Compounds

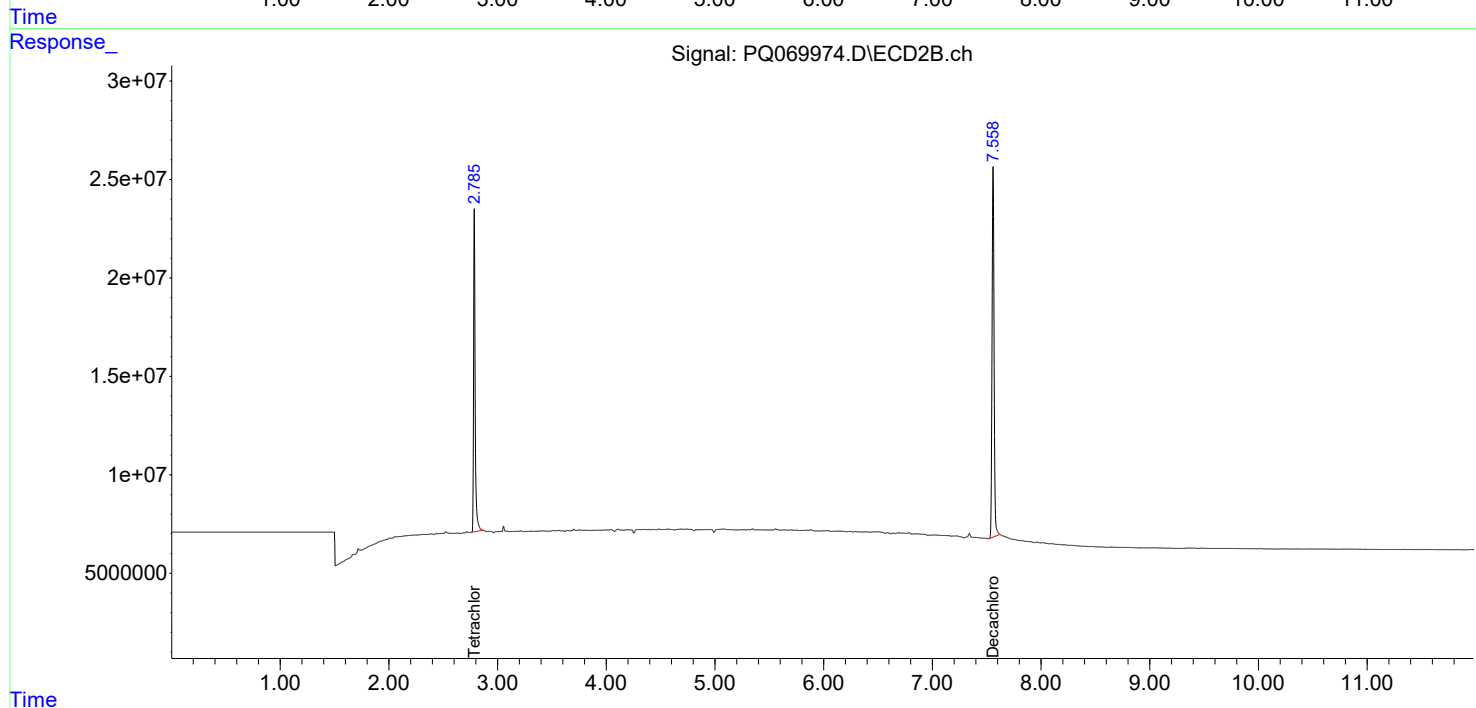
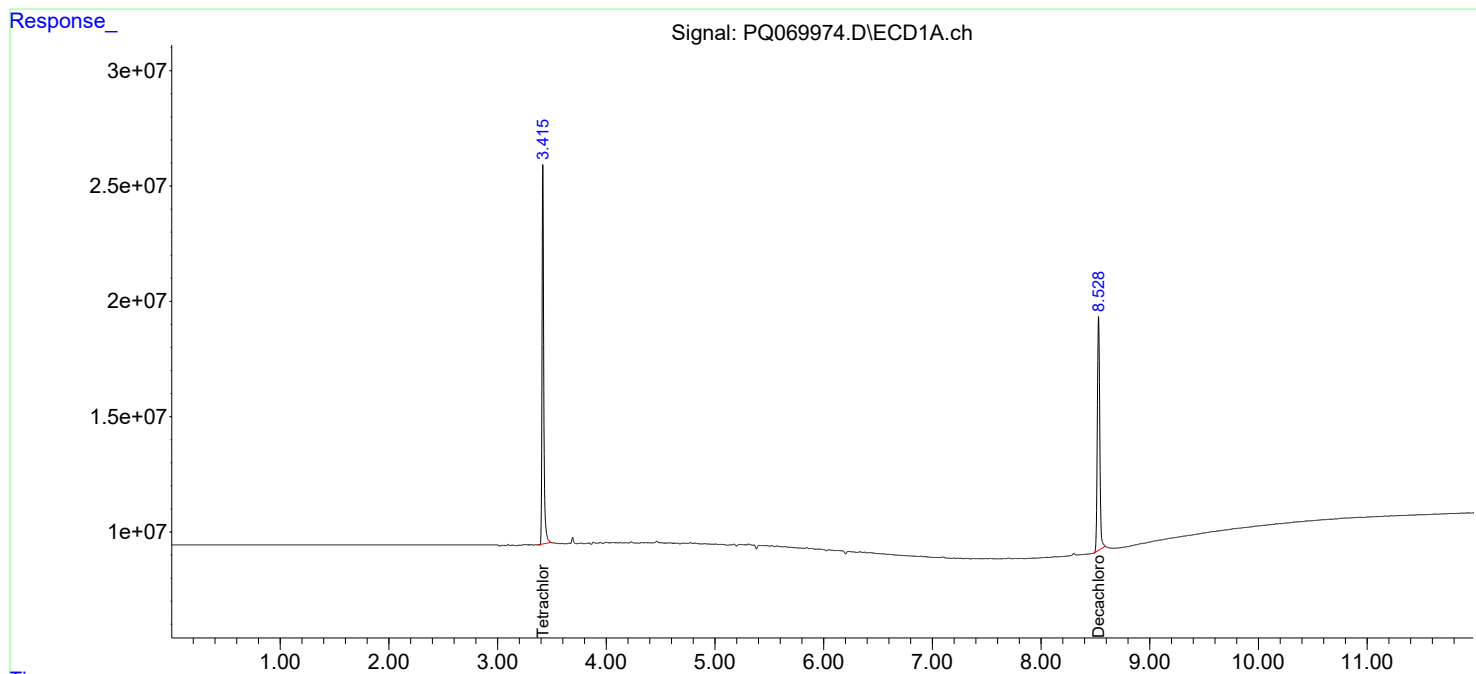
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069974.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 17:04
Operator : YP\AJ
Sample : AIBLK005
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AIBLK317

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:41:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	02/11/25
Project:	Weekly Storage Blanks	Date Received:	02/11/25
Client Sample ID:	PIBLK-PQ069987.D	SDG No.:	Q1328
Lab Sample ID:	I.BLK-PQ069987.D	Matrix:	WATER
Analytical Method:	SFAM_PCB	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Decanted:	
Soil Aliquot Vol:	uL	Final Vol:	10000 uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ069987.D	1		02/11/25	PQ021125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.057	U	0.057	1.00	ug/L
11104-28-2	Aroclor-1221	0.057	U	0.057	1.00	ug/L
11141-16-5	Aroclor-1232	0.057	U	0.057	1.00	ug/L
53469-21-9	Aroclor-1242	0.057	U	0.057	1.00	ug/L
12672-29-6	Aroclor-1248	0.057	U	0.057	1.00	ug/L
11097-69-1	Aroclor-1254	0.057	U	0.057	1.00	ug/L
11096-82-5	Aroclor-1260	0.057	U	0.057	1.00	ug/L
37324-23-5	Aroclor-1262	0.057	U	0.057	1.00	ug/L
11100-14-4	Aroclor-1268	0.057	U	0.057	1.00	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	0.19		30 - 150	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	0.39		30 - 150	97%	SPK: 40

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_Q\Data\PQ021125\
 Data File : PQ069987.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Feb 2025 20:25
 Operator : YP\AJ
 Sample : AIBLK006
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AIBLK318

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Feb 12 08:43:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Feb 04 13:27:59 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
 Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.415	2.786	170.8E6	156.8E6	19.072	19.774
2) SA Decachlor...	8.523	7.558	153.6E6	236.5E6	40.493	38.950

Target Compounds

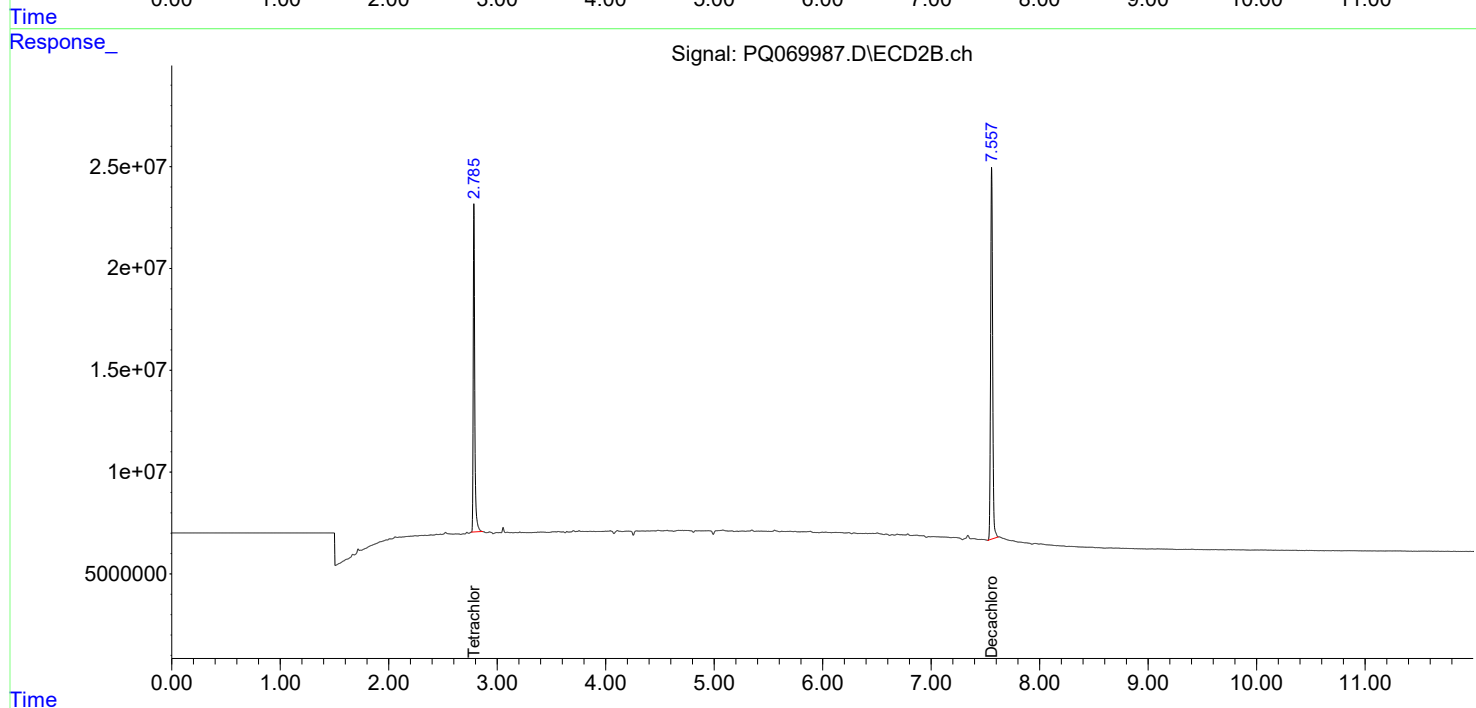
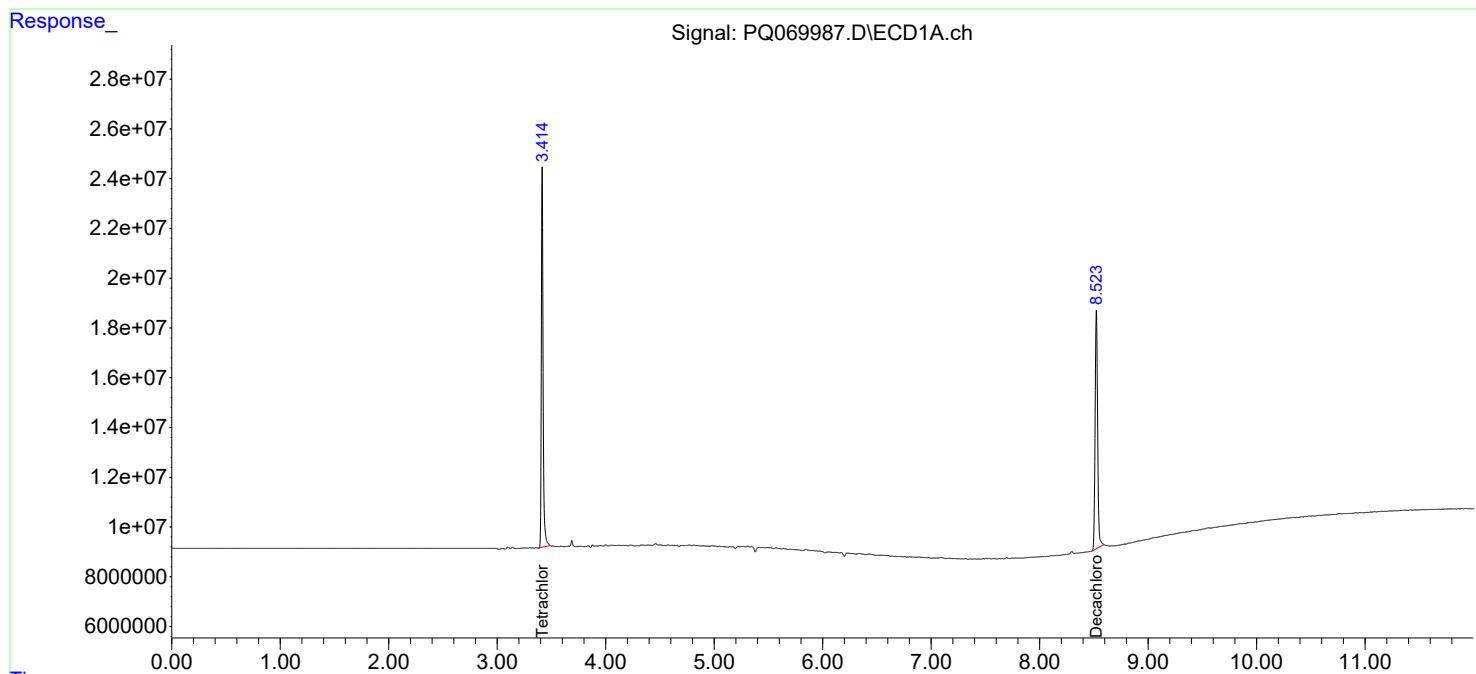
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ021125\
Data File : PQ069987.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Feb 2025 20:25
Operator : YP\AJ
Sample : AIBLK006
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AIBLK318

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 12 08:43:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ020325CLP.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Feb 04 13:27:59 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB MR1 Signal #2 Phase: ZB MR2
Signal #1 Info : 30Mx0.32mmx 0.5µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Manual Integration Report

Sequence:

PQ020325

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC400	PQ069915.D	AR-1260-4 #2	yogesh	2/4/2025 3:02:33 PM	Ankita	2/5/2025 8:51:35	Peak Integrated by Software
AR1660ICC400	PQ069915.D	AR-1260-5 #2	yogesh	2/4/2025 3:02:33 PM	Ankita	2/5/2025 8:51:35	Peak Integrated by Software
AR1262ICC400	PQ069945.D	AR-1262-3	yogesh	2/4/2025 1:32:38 PM	Ankita	2/5/2025 8:51:37	Peak Integrated by Software
AR1262ICC800	PQ069946.D	AR-1262-3	yogesh	2/4/2025 1:32:40 PM	Ankita	2/5/2025 8:51:38	Peak Integrated by Software
AR1262ICC1600	PQ069947.D	AR-1262-3	yogesh	2/4/2025 1:32:40 PM	Ankita	2/5/2025 8:51:40	Peak Integrated by Software
AR1268ICC200	PQ069949.D	AR-1268-1	yogesh	2/4/2025 1:32:42 PM	Ankita	2/5/2025 8:51:41	Peak Integrated by Software
AR1268ICC400	PQ069950.D	AR-1268-1	yogesh	2/4/2025 1:32:43 PM	Ankita	2/5/2025 8:51:43	Peak Integrated by Software
AR1268ICC1600	PQ069952.D	AR-1268-1	yogesh	2/4/2025 1:32:45 PM	Ankita	2/5/2025 8:51:45	Peak Integrated by Software



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Manual Integration Report

Sequence:

PQ021125

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660CCC400	PQ069988.D	AR-1016-2 #2	yogesh	2/12/2025 10:16:46 AM	Ankita	2/12/2025 10:47:40	Peak Integrated by Software

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ020325

Review By	yogesh	Review On	2/4/2025 1:32:58 PM
Supervise By	Ankita	Supervise On	2/5/2025 8:51:56 AM
SubDirectory	PQ020325	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051		
CCC	PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ069911.D	03 Feb 2025 15:27	YP\AJ	Ok
2	AIBLK059	PQ069912.D	03 Feb 2025 15:43	YP\AJ	Ok
3	AR1660ICC100	PQ069913.D	03 Feb 2025 15:58	YP\AJ	Ok
4	AR1660ICC200	PQ069914.D	03 Feb 2025 16:14	YP\AJ	Ok
5	AR1660ICC400	PQ069915.D	03 Feb 2025 16:30	YP\AJ	Ok,M
6	AR1660ICC800	PQ069916.D	03 Feb 2025 16:45	YP\AJ	Ok
7	AR1660ICC1600	PQ069917.D	03 Feb 2025 17:01	YP\AJ	Ok
8	AR1221ICC100	PQ069918.D	03 Feb 2025 17:16	YP\AJ	Ok
9	AR1221ICC200	PQ069919.D	03 Feb 2025 17:32	YP\AJ	Ok
10	AR1221ICC400	PQ069920.D	03 Feb 2025 17:47	YP\AJ	Ok
11	AR1221ICC800	PQ069921.D	03 Feb 2025 18:03	YP\AJ	Ok
12	AR1221ICC1600	PQ069922.D	03 Feb 2025 18:18	YP\AJ	Ok
13	AR1232ICC100	PQ069923.D	03 Feb 2025 18:34	YP\AJ	Ok
14	AR1232ICC200	PQ069924.D	03 Feb 2025 18:49	YP\AJ	Ok
15	AR1232ICC400	PQ069925.D	03 Feb 2025 19:05	YP\AJ	Ok
16	AR1232ICC800	PQ069926.D	03 Feb 2025 19:20	YP\AJ	Ok
17	AR1232ICC1600	PQ069927.D	03 Feb 2025 19:36	YP\AJ	Ok
18	AR1242ICC100	PQ069928.D	03 Feb 2025 19:52	YP\AJ	Ok
19	AR1242ICC200	PQ069929.D	03 Feb 2025 20:07	YP\AJ	Ok
20	AR1242ICC400	PQ069930.D	03 Feb 2025 20:23	YP\AJ	Ok
21	AR1242ICC800	PQ069931.D	03 Feb 2025 20:39	YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ020325

Review By	yogesh	Review On	2/4/2025 1:32:58 PM
Supervise By	Ankita	Supervise On	2/5/2025 8:51:56 AM
SubDirectory	PQ020325	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051		
CCC	PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1242ICC1600	PQ069932.D	03 Feb 2025 20:54	YPIAJ	Ok
23	AR1248ICC100	PQ069933.D	03 Feb 2025 21:10	YPIAJ	Ok
24	AR1248ICC200	PQ069934.D	03 Feb 2025 21:25	YPIAJ	Ok
25	AR1248ICC400	PQ069935.D	03 Feb 2025 21:41	YPIAJ	Ok
26	AR1248ICC800	PQ069936.D	03 Feb 2025 21:56	YPIAJ	Ok
27	AR1248ICC1600	PQ069937.D	03 Feb 2025 22:11	YPIAJ	Ok
28	AR1254ICC100	PQ069938.D	03 Feb 2025 22:27	YPIAJ	Ok
29	AR1254ICC200	PQ069939.D	03 Feb 2025 22:42	YPIAJ	Ok
30	AR1254ICC400	PQ069940.D	03 Feb 2025 22:58	YPIAJ	Ok
31	AR1254ICC800	PQ069941.D	03 Feb 2025 23:13	YPIAJ	Ok
32	AR1254ICC1600	PQ069942.D	03 Feb 2025 23:29	YPIAJ	Ok
33	AR1262ICC100	PQ069943.D	03 Feb 2025 23:44	YPIAJ	Ok
34	AR1262ICC200	PQ069944.D	03 Feb 2025 23:59	YPIAJ	Ok
35	AR1262ICC400	PQ069945.D	04 Feb 2025 00:15	YPIAJ	Ok,M
36	AR1262ICC800	PQ069946.D	04 Feb 2025 00:30	YPIAJ	Ok,M
37	AR1262ICC1600	PQ069947.D	04 Feb 2025 00:45	YPIAJ	Ok,M
38	AR1268ICC100	PQ069948.D	04 Feb 2025 01:01	YPIAJ	Ok
39	AR1268ICC200	PQ069949.D	04 Feb 2025 01:16	YPIAJ	Ok,M
40	AR1268ICC400	PQ069950.D	04 Feb 2025 01:32	YPIAJ	Ok,M
41	AR1268ICC800	PQ069951.D	04 Feb 2025 01:47	YPIAJ	Ok
42	AR1268ICC1600	PQ069952.D	04 Feb 2025 02:03	YPIAJ	Ok,M
43	AIBLK060	PQ069953.D	04 Feb 2025 02:18	YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ021125

Review By	yogesh	Review On	2/12/2025 11:06:01 AM
Supervise By	Ankita	Supervise On	2/12/2025 2:06:30 PM
SubDirectory	PQ021125	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard	PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ069973.D	11 Feb 2025 16:48	YP\AJ	Ok
2	AIBLK005	PQ069974.D	11 Feb 2025 17:04	YP\AJ	Ok
3	AR1660CCC400	PQ069975.D	11 Feb 2025 17:19	YP\AJ	Ok
4	PB166682BL	PQ069976.D	11 Feb 2025 17:34	YP\AJ	Not Ok
5	PB166682BS	PQ069977.D	11 Feb 2025 17:50	YP\AJ	Ok
6	Q1336-01	PQ069978.D	11 Feb 2025 18:05	YP\AJ	Ok
7	Q1336-02	PQ069979.D	11 Feb 2025 18:21	YP\AJ	Ok
8	Q1336-03	PQ069980.D	11 Feb 2025 18:36	YP\AJ	Ok
9	Q1336-04	PQ069981.D	11 Feb 2025 18:52	YP\AJ	Ok
10	Q1336-05	PQ069982.D	11 Feb 2025 19:07	YP\AJ	Ok
11	Q1336-06	PQ069983.D	11 Feb 2025 19:23	YP\AJ	Not Ok
12	Q1336-07	PQ069984.D	11 Feb 2025 19:38	YP\AJ	Ok
13	Q1328-13	PQ069985.D	11 Feb 2025 19:54	YP\AJ	Ok
14	Q1328-14	PQ069986.D	11 Feb 2025 20:09	YP\AJ	Ok
15	AIBLK006	PQ069987.D	11 Feb 2025 20:25	YP\AJ	Ok
16	AR1660CCC400	PQ069988.D	11 Feb 2025 20:40	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ020325

Review By	yogesh	Review On	2/4/2025 1:32:58 PM
Supervise By	Ankita	Supervise On	2/5/2025 8:51:56 AM
SubDirectory	PQ020325	HP Acquire Method	HP Processing Method PQ020325

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051 PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ069911.D	03 Feb 2025 15:27		YPIAJ	Ok
2	AIBLK059	AIBLK313	PQ069912.D	03 Feb 2025 15:43		YPIAJ	Ok
3	AR1660ICC100	AR16601016	PQ069913.D	03 Feb 2025 15:58		YPIAJ	Ok
4	AR1660ICC200	AR16602017	PQ069914.D	03 Feb 2025 16:14		YPIAJ	Ok
5	AR1660ICC400	AR16603018	PQ069915.D	03 Feb 2025 16:30		YPIAJ	Ok,M
6	AR1660ICC800	AR16604019	PQ069916.D	03 Feb 2025 16:45		YPIAJ	Ok
7	AR1660ICC1600	AR16605020	PQ069917.D	03 Feb 2025 17:01		YPIAJ	Ok
8	AR1221ICC100	AR12211021	PQ069918.D	03 Feb 2025 17:16		YPIAJ	Ok
9	AR1221ICC200	AR12212022	PQ069919.D	03 Feb 2025 17:32		YPIAJ	Ok
10	AR1221ICC400	AR12213023	PQ069920.D	03 Feb 2025 17:47		YPIAJ	Ok
11	AR1221ICC800	AR12214024	PQ069921.D	03 Feb 2025 18:03		YPIAJ	Ok
12	AR1221ICC1600	AR12215025	PQ069922.D	03 Feb 2025 18:18		YPIAJ	Ok
13	AR1232ICC100	AR12321026	PQ069923.D	03 Feb 2025 18:34		YPIAJ	Ok
14	AR1232ICC200	AR12322027	PQ069924.D	03 Feb 2025 18:49		YPIAJ	Ok
15	AR1232ICC400	AR12323028	PQ069925.D	03 Feb 2025 19:05		YPIAJ	Ok
16	AR1232ICC800	AR12324029	PQ069926.D	03 Feb 2025 19:20		YPIAJ	Ok
17	AR1232ICC1600	AR12325030	PQ069927.D	03 Feb 2025 19:36		YPIAJ	Ok
18	AR1242ICC100	AR12421031	PQ069928.D	03 Feb 2025 19:52		YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ020325

Review By	yogesh	Review On	2/4/2025 1:32:58 PM
Supervise By	Ankita	Supervise On	2/5/2025 8:51:56 AM
SubDirectory	PQ020325	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051 PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		

19	AR1242ICC200	AR12422032	PQ069929.D	03 Feb 2025 20:07		YPIAJ	Ok
20	AR1242ICC400	AR12423033	PQ069930.D	03 Feb 2025 20:23		YPIAJ	Ok
21	AR1242ICC800	AR12424034	PQ069931.D	03 Feb 2025 20:39		YPIAJ	Ok
22	AR1242ICC1600	AR12425035	PQ069932.D	03 Feb 2025 20:54		YPIAJ	Ok
23	AR1248ICC100	AR12481036	PQ069933.D	03 Feb 2025 21:10		YPIAJ	Ok
24	AR1248ICC200	AR12482037	PQ069934.D	03 Feb 2025 21:25		YPIAJ	Ok
25	AR1248ICC400	AR12483038	PQ069935.D	03 Feb 2025 21:41		YPIAJ	Ok
26	AR1248ICC800	AR12484039	PQ069936.D	03 Feb 2025 21:56		YPIAJ	Ok
27	AR1248ICC1600	AR12485040	PQ069937.D	03 Feb 2025 22:11		YPIAJ	Ok
28	AR1254ICC100	AR12541041	PQ069938.D	03 Feb 2025 22:27		YPIAJ	Ok
29	AR1254ICC200	AR12542042	PQ069939.D	03 Feb 2025 22:42		YPIAJ	Ok
30	AR1254ICC400	AR12543043	PQ069940.D	03 Feb 2025 22:58		YPIAJ	Ok
31	AR1254ICC800	AR12544044	PQ069941.D	03 Feb 2025 23:13		YPIAJ	Ok
32	AR1254ICC1600	AR12545045	PQ069942.D	03 Feb 2025 23:29		YPIAJ	Ok
33	AR1262ICC100	AR12621046	PQ069943.D	03 Feb 2025 23:44		YPIAJ	Ok
34	AR1262ICC200	AR12622047	PQ069944.D	03 Feb 2025 23:59		YPIAJ	Ok
35	AR1262ICC400	AR12623048	PQ069945.D	04 Feb 2025 00:15		YPIAJ	Ok,M
36	AR1262ICC800	AR12624049	PQ069946.D	04 Feb 2025 00:30		YPIAJ	Ok,M
37	AR1262ICC1600	AR12625050	PQ069947.D	04 Feb 2025 00:45		YPIAJ	Ok,M

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ020325

Review By	yogesh	Review On	2/4/2025 1:32:58 PM
Supervise By	Ankita	Supervise On	2/5/2025 8:51:56 AM
SubDirectory	PQ020325	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,P P24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP 24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051 PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	AR1268ICC100	AR12681001	PQ069948.D	04 Feb 2025 01:01		YPIAJ	Ok
39	AR1268ICC200	AR12682002	PQ069949.D	04 Feb 2025 01:16		YPIAJ	Ok,M
40	AR1268ICC400	AR12683003	PQ069950.D	04 Feb 2025 01:32		YPIAJ	Ok,M
41	AR1268ICC800	AR12684004	PQ069951.D	04 Feb 2025 01:47		YPIAJ	Ok
42	AR1268ICC1600	AR12685005	PQ069952.D	04 Feb 2025 02:03		YPIAJ	Ok,M
43	AIBLK060	AIBLK314	PQ069953.D	04 Feb 2025 02:18		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ021125

Review By	yogesh	Review On	2/12/2025 11:06:01 AM
Supervise By	Ankita	Supervise On	2/12/2025 2:06:30 PM
SubDirectory	PQ021125	HP Acquire Method	HP Processing Method PQ020325
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP24020,PP24019,PP24018,PP24017,PP24016,PP24025,PP24024,PP24023,PP24022,PP24021,PP24030,PP24029,PP24028,PP24027,PP24026,PP24035,PP24034,PP24033,PP24032,PP24031,PP24040,PP24039,PP24038,PP24037,PP24036,PP24045,PP24044,PP24043,PP24042,PP24041,PP24050,PP24049,PP24048,PP24047,PP24046,PP24055,PP24054,PP24053,PP24052,PP24051		
CCC	PP24018,PP24023,PP24028,PP24033,PP24038,PP24043,PP24048,PP24053		
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ069973.D	11 Feb 2025 16:48		YP\AJ	Ok
2	AIBLK005	AIBLK317	PQ069974.D	11 Feb 2025 17:04		YP\AJ	Ok
3	AR1660CCC400	AR16603132	PQ069975.D	11 Feb 2025 17:19		YP\AJ	Ok
4	PB166682BL	ABLK682	PQ069976.D	11 Feb 2025 17:34	will be reanalyzed with clean up	YP\AJ	Not Ok
5	PB166682BS	ALCS682	PQ069977.D	11 Feb 2025 17:50		YP\AJ	Ok
6	Q1336-01	E29C5	PQ069978.D	11 Feb 2025 18:05		YP\AJ	Ok
7	Q1336-02	E29C7	PQ069979.D	11 Feb 2025 18:21		YP\AJ	Ok
8	Q1336-03	E29C6	PQ069980.D	11 Feb 2025 18:36		YP\AJ	Ok
9	Q1336-04	E29C9	PQ069981.D	11 Feb 2025 18:52		YP\AJ	Ok
10	Q1336-05	E29D1	PQ069982.D	11 Feb 2025 19:07		YP\AJ	Ok
11	Q1336-06	E29D2	PQ069983.D	11 Feb 2025 19:23	need clean up	YP\AJ	Not Ok
12	Q1336-07	E29D4	PQ069984.D	11 Feb 2025 19:38		YP\AJ	Ok
13	Q1328-13	PCB-GPC2-BLANK	PQ069985.D	11 Feb 2025 19:54		YP\AJ	Ok
14	Q1328-14	PCB-GPC2-BLANK-SP	PQ069986.D	11 Feb 2025 20:09		YP\AJ	Ok
15	AIBLK006	AIBLK318	PQ069987.D	11 Feb 2025 20:25		YP\AJ	Ok
16	AR1660CCC400	AR16603133	PQ069988.D	11 Feb 2025 20:40		YP\AJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q1328-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q1328-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q1328-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q1328-08	PCB-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1328-09	PCB-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1328-10	SVOC-GPC2-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1328-11	PEST-GPC2-BLANK	7	1.00	1.00	2.00	2.00	100.0	
Q1328-12	PEST-GPC2-BLANK-SPIKE	8	1.00	1.00	2.00	2.00	100.0	
Q1328-13	PCB-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1328-14	PCB-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1340-01	RV-SOIL	11	1.15	8.45	9.6	8.11	82.4	
Q1340-02	RV-SOIL-E2	12	1.15	8.67	9.82	8.28	82.2	
Q1341-01	HAR-ROLLOFFS	13	1.14	8.72	9.86	9.16	92.0	
Q1341-02	HAR-ROLLOFFS-E2	14	1.19	8.60	9.79	8.98	90.6	
Q1343-01	WC-9	15	1.15	8.81	9.96	8.57	84.2	
Q1343-02	WC-9-EPH	16	1.16	8.70	9.86	8.49	84.3	
Q1343-03	WC-9-VOC	17	1.14	8.69	9.83	8.73	87.3	
Q1343-05	WC-10	18	1.18	8.41	9.59	8.41	86.0	
Q1343-06	WC-10-EPH	19	1.14	8.56	9.7	7.97	79.8	
Q1343-07	WC-10-VOC	20	1.13	8.85	9.98	8.88	87.6	
Q1343-09	WC-7	21	1.18	8.55	9.73	8.75	88.5	
Q1343-10	WC-7-EPH	22	1.13	8.77	9.9	8.65	85.7	
Q1343-11	WC-7-VOC	23	1.13	8.80	9.93	8.62	85.1	
Q1343-12	WC-7	24	1.18	8.55	9.73	8.75	88.5	
Q1343-13	WC-13	25	1.15	8.78	9.93	8.91	88.4	
Q1343-14	WC-13-EPH	26	1.11	8.85	9.96	8.6	84.6	
Q1343-15	WC-13-VOC	27	1.14	8.40	9.54	8.27	84.9	
Q1343-17	WC-14	28	1.18	8.81	9.99	8.68	85.1	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 2/10/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 02/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 02/08/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134629

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q1343-18	WC-14-EPH	29	1.14	8.83	9.97	8.85	87.3	
Q1343-19	WC-14-VOC	30	1.15	8.80	9.95	8.94	88.5	

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

WORKLIST(Hardcopy Internal Chain)

919462d

WorkList Name : %1-020725 WorkList ID : 187555 Department : Wet-Chemistry Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1328-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1328-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	D11	02/07/2025	Chemtech -SO
Q1340-01	RV-SOIL	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1340-02	RV-SOIL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-01	HAR-ROLLOFFS	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1341-02	HAR-ROLLOFFS-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	N41	02/07/2025	Chemtech -SO
Q1343-01	WC-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-02	WC-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-03	WC-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-05	WC-10	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-06	WC-10-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-07	WC-10-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-09	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30
 Raw Sample Received by: 886094
 Raw Sample Relinquished by: R3 c644 (ab)
 Date/Time 02/07/25 17:10
 Raw Sample Received by: R3 c644 (ab)
 Raw Sample Relinquished by: 886094

WORKLIST(Hardcopy Internal Chain)

27 134629

WorkList Name : %1-020725 WorkList ID : 187555 Department : Wet-Chemistry Date : 02-07-2025 07:58:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1343-10	WC-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-11	WC-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-12	WC-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-13	WC-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-14	WC-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-15	WC-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-17	WC-14	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-18	WC-14-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO
Q1343-19	WC-14-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	N51	02/07/2025	Chemtech -SO

Date/Time 02/07/25 15:30

Raw Sample Received by: JPL WOC

Raw Sample Relinquished by: RJ CEXT-1260

Date/Time 02/07/25 17:10

Raw Sample Received by: RJ CEXT-1260

Raw Sample Relinquished by: SP Cext-1

SOP ID: M3640A-GPC cleanup-6, M3665A-Sulfuric Acid Cleanup-7

Clean Up SOP #: GPC Cleanup, Acid Cleanup

Matrix : Solid

Weigh By: N/A **Extraction By:** N/A

Balance check: N/A **Filter By:** N/A

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: N/A **Hood ID:** 6,7

Extraction Start Date : 02/10/2025

Extraction Start Time : 10:30

Extraction End Date : 02/11/2025

Extraction End Time : 09:55

Concentration By: RS

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
GPC Pcb Spike	10.0ML	400 PPB	PP24124
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

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2582
Baked Na2SO4	N/A	EP2585
Hexane	N/A	E3872
H2SO4 1:1	N/A	EP2565
Methylene Chloride	N/A	E3874
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:

No Extraction only GPC Check prepared.

KD Bath ID: Water bath -01 **Envap ID:** NEVAP-02

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

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
02/11/25	RP (Sent to Lab)	R. Test/PEB Lab
10:00	Preparation Group	Analysis Group

Analytical Method: M3640A-GPC cleanup-6, M3665A-Sulfuric Acid Cleanup-7

Concentration Date: 02/11/2025

Sample ID	Client Sample ID	Test	g / (mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
Q1328-13	PCB-GPC2-BLANK	PCB	10.0	N/A	RUPESH	rajesh	5			
Q1328-14	PCB-GPC2-BLANK-SPIKE	PCB	10.0	N/A	RUPESH	rajesh	5			

* Extracts relinquished on the same date as received.

2
2/11/25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1328

Worklist ID : 187607

Department : Extraction

Date : 02-10-2025 10:26:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1328-10	SVOC-GPC2-BLANK	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_SVOC
Q1328-11	PEST-GPC2-BLANK	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PEST
Q1328-12	PEST-GPC2-BLANK-SPIKE	Solid	Pesticide-TCL	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PEST
Q1328-13	PCB-GPC2-BLANK	Solid	PCB	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PCB
Q1328-14	PCB-GPC2-BLANK-SPIKE	Solid	PCB	Cool 4 deg C	CHEM02	D11	02/07/2025	SFAM_PCB

Date/Time

02/10/25

Raw Sample Received by:

RS (Sept 14)

Raw Sample Relinquished by:

OSM

Date/Time

02/10/25

Raw Sample Received by:

OSM

Raw Sample Relinquished by:

RS (Sept 14)

Prep Standard - Chemical Standard Summary

Order ID : Q1328

Test : PCB

Prepbatch ID : PB166654,

Sequence ID/Qc Batch ID: PQ021125,

Standard ID :

EP2565,EP2582,EP2585,PP23776,PP24014,PP24016,PP24017,PP24018,PP24019,PP24020,PP24021,PP24022,PP24023,PP24024,PP24025,PP24026,PP24027,PP24028,PP24029,PP24030,PP24031,PP24032,PP24033,PP24034,PP24035,PP24036,PP24037,PP24038,PP24039,PP24040,PP24041,PP24042,PP24043,PP24044,PP24045,PP24046,PP24047,PP24048,PP24049,PP24050,PP24051,PP24052,PP24053,PP24054,PP24055,PP24124,

Chemical ID :

E3551,E3804,E3826,E3830,E3871,E3872,E3873,E3874,M5173,P10662,P11582,P12930,P12935,P12947,P13370,P13376,P13378,P13380,P13704,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2582	02/04/2025	07/29/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 02/04/2025

FROM 8000.00000ml of E3873 + 8000.00000ml of E3874 = Final Quantity: 16000.000 ml



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2585	02/07/2025	07/01/2025	Rajesh Parikh	Extraction_SC ALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 02/07/2025
<u>FROM</u> 4000.00000gram of E3551 = Final Quantity: 4000.000 gram								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
404	AR1660 100 PPM Stock Solution 2nd Source	PP23776	10/03/2024	04/01/2025	Ankita Jodhani	None	None	Yogesh Patel 10/03/2024
<u>FROM</u> 1.00000ml of P12947 + 9.00000ml of E3804 = Final Quantity: 10.000 ml								

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
70	10/20 PPM Pest/PCB SOM01.2 Surg Stock	PP24014	11/21/2024	05/18/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 1.00000ml of P10662 + 9.00000ml of E3830 = Final Quantity: 10.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
704	Aroclor 1016/1260 CS5 (1600 ng/ml)	PP24016	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P13370 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
705	Aroclor 1016/1260 CS4 (800 ng/ml)	PP24017	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24016 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
706	Aroclor 1016/1260 CS3 (400 ng/ml)	PP24018	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24016 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
707	Aroclor 1016/1260 CS2 (200 ng/ml)	PP24019	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24017 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
708	Aroclor 1016/1260 CS1 (100 ng/ml)	PP24020	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24018 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
696	Aroclor 1221 CS5 (1600\80\160 ng/ml)	PP24021	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P11582 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1857	Aroclor 1221 CS4 (800 ng/ml)	PP24022	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24021 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
689	Aroclor 1221 CS3 (400 ng/ml)	PP24023	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24021 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1858	Aroclor 1221 CS2 (200 ng/ml)	PP24024	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24023 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1859	Aroclor 1221 CS1 (100 ng/ml)	PP24025	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24024 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
697	Aroclor 1232 CS5 (1600\80\160 ng/ml)	PP24026	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P13376 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1860	Aroclor 1232 CS4 (800 ng/ml)	PP24027	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24026 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
690	Aroclor 1232 CS3 (400 ng/ml)	PP24028	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24026 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1861	Aroclor 1232 CS2 (200 ng/ml)	PP24029	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24028 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1862	Aroclor 1232 CS1 (100 ng/ml)	PP24030	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24029 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
698	Aroclor 1242 CS5 (1600\80\160 ng/ml)	PP24031	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P12930 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1432	Aroclor 1242 CS4 (800 ng/ml)	PP24032	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24031 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
691	Aroclor 1242 CS3 (400 ng/ml)	PP24033	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24031 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1433	Aroclor 1242 CS2 (200 ng/ml)	PP24034	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24033 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1434	Aroclor 1242 CS1 (100 ng/ml)	PP24035	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24034 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
699	Aroclor 1248 CS5 (1600\80\160 ng/ml)	PP24036	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P12935 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1255	Aroclor 1248 CS4 (800 ng/ml)	PP24037	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24036 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
692	Aroclor 1248 CS3 (400 ng/ml)	PP24038	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24036 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1256	Aroclor 1248 CS2 (200 ng/ml)	PP24039	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24038 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1257	Aroclor 1248 CS1 (100 ng/ml)	PP24040	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24039 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
700	Aroclor 1254 CS5 (1600\80\160 ng/ml)	PP24041	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P13704 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1863	Aroclor 1254 CS4 (800 ng/ml)	PP24042	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24041 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
693	Aroclor 1254 CS3 (400 ng/ml)	PP24043	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24041 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1864	Aroclor 1254 CS2 (200 ng/ml)	PP24044	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24043 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1865	Aroclor 1254 CS1 (100 ng/ml)	PP24045	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24044 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
701	Aroclor 1262 CS5 (1600\80\160 ng/ml)	PP24046	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P13378 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1866	Aroclor 1262 CS4 (800 ng/ml)	PP24047	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24046 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
694	Aroclor 1262 CS3 (400 ng/ml)	PP24048	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24046 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1867	Aroclor 1262 CS2 (200 ng/ml)	PP24049	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24048 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1868	Aroclor 1262 CS1 (100 ng/ml)	PP24050	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24049 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
702	Aroclor 1268 CS5 (1600\80\160 ng/ml)	PP24051	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.16000ml of P13380 + 99.04000ml of E3826 + 0.80000ml of PP24014 = Final Quantity: 100.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1869	Aroclor 1268 CS4 (800 ng/ml)	PP24052	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24051 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
703	Aroclor 1268 CS3 (400 ng/ml)	PP24053	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.75000ml of E3826 + 0.25000ml of PP24051 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1870	Aroclor 1268 CS2 (200 ng/ml)	PP24054	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24053 = Final Quantity: 1.000 ml

Pest/Pcb STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1871	Aroclor 1268 CS1 (100 ng/ml)	PP24055	11/21/2024	05/09/2025	Ankita Jodhani	None	None	Yogesh Patel
								11/22/2024

FROM 0.50000ml of E3826 + 0.50000ml of PP24054 = Final Quantity: 1.000 ml

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3798	400 PPB PCB GPC SPIKE	PP24124	01/24/2025	04/01/2025	Abdul Mirza	None	None	Ankita Jodhani
								01/27/2025

FROM 99.60000ml of E3871 + 0.40000ml of PP23776 = Final Quantity: 100.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	24E0761004	11/05/2025	10/01/2024 / Rajesh	09/25/2024 / Rajesh	E3804

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	05/09/2025	11/09/2024 / Rajesh	11/07/2024 / Rajesh	E3826

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	05/18/2025	11/18/2024 / Rajesh	11/15/2024 / Rajesh	E3830

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)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9262-03 / Hexane, Ultra-Resi (cs/4x4L)	24G1962003	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3872

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	07/29/2025	01/29/2025 / Rajesh	01/29/2025 / Rajesh	E3873

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32453 / Pesticide Stock Standard, Pesticide Surrogate Mix, 1mL, 100-200ug/mL, acetone	A0170323	05/21/2025	11/21/2024 / Ankita	05/24/2021 / Abdul	P10662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32007 / PCB Mix, Aroclor 1221, 1000ug/mL, Hexane, 1mL/ampul	A0175456	05/21/2025	11/21/2024 / Ankita	03/18/2022 / Abdul	P11582

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32009 / PCB Mix, Aroclor 1242, 1000ug/mL, Hexane, 1mL/ampul	a0203672	05/21/2025	11/21/2024 / Ankita	12/07/2023 / Ankita	P12930

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32010 / PCB Mix, Aroclor 1248, 1000ug/mL, Hexane, 1mL/ampul	a0202803	05/21/2025	11/21/2024 / Ankita	12/07/2023 / Ankita	P12935

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	022023	04/03/2025	10/03/2024 / Ankita	12/20/2023 / Yogesh	P12947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32039 / PCB Mix, Aroclor 1016/1260, 1000ug/mL, hexane, 1mL/ampul	A0203315	05/21/2025	11/21/2024 / Ankita	05/03/2024 / Abdul	P13370

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32008 / PCB Mix, Aroclor 1232, 1000ug/mL, Hexane, 1mL/ampul	A0206618	05/21/2025	11/21/2024 / Ankita	05/03/2024 / Abdul	P13376

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32409 / PCB Stock Solution, Aroclor 1262 Std, 1mL, Hexane	A0208576	05/21/2025	11/21/2024 / Ankita	05/03/2024 / Abdul	P13378

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32410 / PCB Stock Solution, Aroclor 1268 Std, 1mL, Hexane	A0207475	05/21/2025	11/21/2024 / Ankita	05/03/2024 / Abdul	P13380

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32011 / PCB Mix, Aroclor 1254, 1000ug/mL, Hexane, 1mL/ampul	A0212239	08/31/2030	11/21/2024 /	10/17/2024 / yogesh	P13704

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / lwona	07/03/2024 / lwona	W3112



**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO ₄)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO ₄)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreign matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3

Material No.: 9005-05
Batch No.: 24E0761004
Manufactured Date: 2024-05-02
Retest Date: 2029-05-01
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.8 %
Color (APHA)	≤ 10	< 5
Residue after Evaporation	≤ 5 ppm	< 1 ppm
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.5	0.1
Water (H ₂ O)	≤ 0.5 %	0.1 %
Solubility in H ₂ O	Passes Test	Passes Test
Chloride (Cl)	≤ 0.2 ppm	< 0.2 ppm
Phosphate (PO ₄)	≤ 0.05 ppm	< 0.05 ppm
Trace Impurities – Aluminum (Al)	≤ 50.0 ppb	< 5.0 ppb
Arsenic and Antimony (as As)	≤ 5.0 ppb	< 5.0 ppb
Trace Impurities – Barium (Ba)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Beryllium (Be)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Bismuth (Bi)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Calcium (Ca)	≤ 25.0 ppb	3.6 ppb
Trace Impurities – Chromium (Cr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Cobalt (Co)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Copper (Cu)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Gallium (Ga)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Germanium (Ge)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Gold (Au)	≤ 20 ppb	< 5 ppb
Trace Impurities – Iron (Fe)	≤ 20.0 ppb	< 1.0 ppb
Trace Impurities – Lead (Pb)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Lithium (Li)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Magnesium (Mg)	≤ 20 ppb	< 1 ppb
Trace Impurities – Manganese (Mn)	≤ 10.0 ppb	< 1.0 ppb

Recd by RP on 9/25/24

E 3804

>>> Continued on page 2 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
Trace Impurities – Molybdenum (Mo)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Nickel (Ni)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Niobium (Nb)	≤ 50.0 ppb	< 1.0 ppb
Trace Impurities – Potassium (K)	≤ 10.0 ppb	< 10.0 ppb
Trace Impurities – Silicon (Si)	≤ 50 ppb	< 10 ppb
Trace Impurities – Silver (Ag)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Sodium (Na)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Strontium (Sr)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Tantalum (Ta)	≤ 50.0 ppb	< 5.0 ppb
Trace Impurities – Thallium (Tl)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Tin (Sn)	≤ 20.0 ppb	< 10.0 ppb
Trace Impurities – Titanium (Ti)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Vanadium (V)	≤ 10.0 ppb	< 1.0 ppb
Trace Impurities – Zinc (Zn)	≤ 20.0 ppb	7.9 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	8 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	2 par/ml

>>> Continued on page 3 >>>

Acetone
CMOS

 **avantor™**



Material No.: 9005-05
Batch No.: 24E0761004

Test	Specification	Result
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For Microelectronic Use

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



Michelle Bales
Sr. Manager, Quality Assurance

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	$\geq 99.5 \%$	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	$\geq 95 \%$	98 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Substances Darkened by H ₂ SO ₄	Passes Test	Passes Test
Water (by KF, coulometric)	$\leq 0.05 \%$	< 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 3826

Rec'd by RP on 11/7/24

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
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: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 11/15/24

E 3830

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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

12/27/24

 **avantors**



Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date: 2026-01-07
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	100.0%
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	0.0
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	0.01%

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871



Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

n-Hexane 95%
ULTRA RESI-ANALYZED
For Organic Residue Analysis

Avantor™



Material No.: 9262-03
Batch No.: 24G1962003
Manufactured Date: 2024-05-23
Expiration Date: 2025-08-22
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	3
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	1
Assay (Total Saturated C ₈ 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 ₂ SO 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 1/29/25

E 3872

Jamie Croak
Director Quality Operations, Bioscience Production

Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

avantor™



Material No.: 9254-03

Batch No.: 24H2762008

Manufactured Date: 2024-04-18

Expiration Date: 2027-04-18

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
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: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 1/29/25

E 3873

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

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



Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date: 2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	≤ 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8\%$	99.9%
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

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

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Hydrochloric Acid, 36.5–38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis



Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS – Assay (as HCl) (by acid–base titrn)	36.5 – 38.0 %	37.6
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	1
ACS – Specific Gravity at 60°/60°F	1.185 – 1.192	1.189
ACS – Bromide (Br)	<= 0.005 %	< 0.005
ACS – Extractable Organic Substances	<= 5 ppm	< 1
ACS – Free Chlorine (as Cl ₂)	<= 0.5 ppm	< 0.5
Phosphate (PO ₄)	<= 0.05 ppm	< 0.03
Sulfate (SO ₄)	<= 0.5 ppm	< 0.3
Sulfite (SO ₃)	<= 0.8 ppm	0.3
Ammonium (NH ₄)	<= 3 ppm	< 1
Trace Impurities – Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities – Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities – Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities – Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities – Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities – Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities – Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities – Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities – Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities – Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities – Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities – Gallium (Ga)	<= 1.0 ppb	< 0.2

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

Test	Specification	Result
Trace Impurities – Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities – Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities – Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities – Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities – Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities – Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities – Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities – Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities – Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities – Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities – Selenium (Se), For Information Only	ppb	1.0
Trace Impurities – Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities – Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities – Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities – Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities – Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities – Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities – Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities – Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities – Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities – Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities – Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use

Product Information (not specifications):

Appearance (clear, fuming liquid)

Meets ACS Specifications

Country of Origin: US

Packaging Site: Phillipsburg Mfg Ctr & DC


Jamie Ethier
Vice President Global Quality



CERTIFIED REFERENCE MATERIAL

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

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Certificate of Analysis



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. : 32453 **Lot No.:** A0170323

Description : SOM01.1 Pesticide Surrogate Standard
Pesticide Surrogate Mix 100-200µg/mL, Acetone, 1mL/ampul

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

Expiration Date : June 30, 2027 **Storage:** 0°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%	100.0 µg/mL	+/- 0.7088 µg/mL Gravimetric +/- 3.1930 µg/mL Unstressed +/- 4.1577 µg/mL Stressed
2	Decachlorobiphenyl (BZ# 209) CAS # 2051-24-3 (Lot ER071509-01) Purity 99%	200.0 µg/mL	+/- 1.4182 µg/mL Gravimetric +/- 6.3886 µg/mL Unstressed +/- 8.3187 µg/mL Stressed

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

P 10653
↓
P 10662
AR
05.26.2021

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:

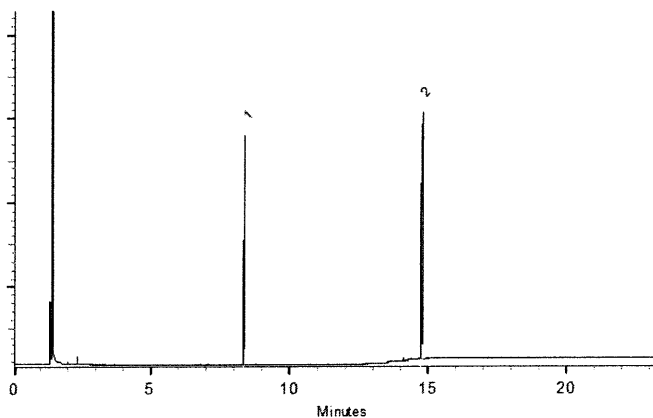
250°C

Det. Temp:

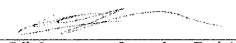
330°C

Det. Type:

FID

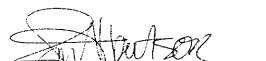


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Erik Strommer - Operations Tech I

Date Mixed: 18-Mar-2021

Balance: B251644995


Justine Albertson - Operations Tech-ARM QC

Date Passed: 22-Mar-2021

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



CERTIFIED REFERENCE MATERIAL

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

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Certificate of Analysis



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. : 32007 Lot No.: A0175456
Description : Aroclor® 1221 Standard
Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : November 30, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1221	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric
	CAS # 11104-28-2 (Lot 10210500)		+/- 31.7706 µg/mL Unstressed
	Purity ----%		+/- 41.4958 µg/mL Stressed

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

P 11578
↓
P 11582 / (S)

AR
04/30/22

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

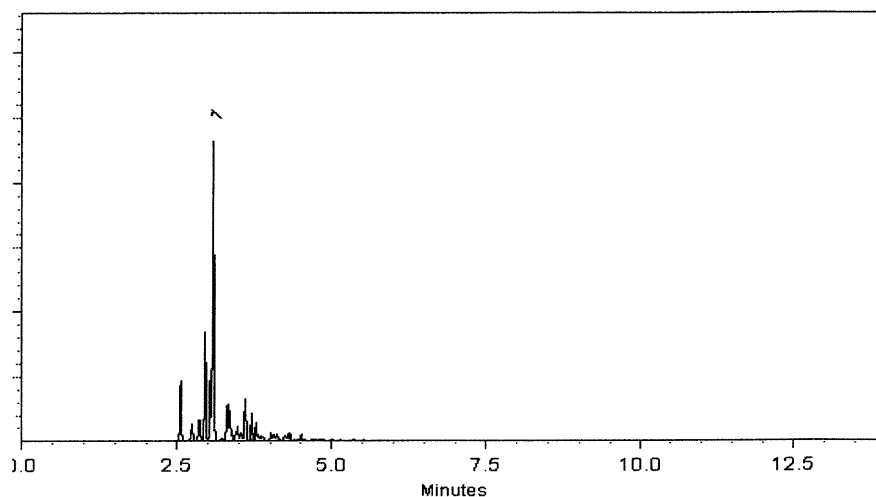
Carrier Gas:
helium-constant pressure 20 psi.

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.

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 16-Aug-2021 **Balance:** B442140311

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 18-Aug-2021

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

P11578
↓
P11582 / (S)

AR
04/30/22



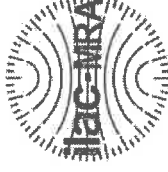
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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No.: 32009 **Lot No.:** A0203672

Description: Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

p12928

→

p12932

AJ

12/27/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty* (95% C.L.; K=2)
1	Aroclor 1242	53469-21-9	01141	—%	1,004.7 µg/mL	+/- 55.7515

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

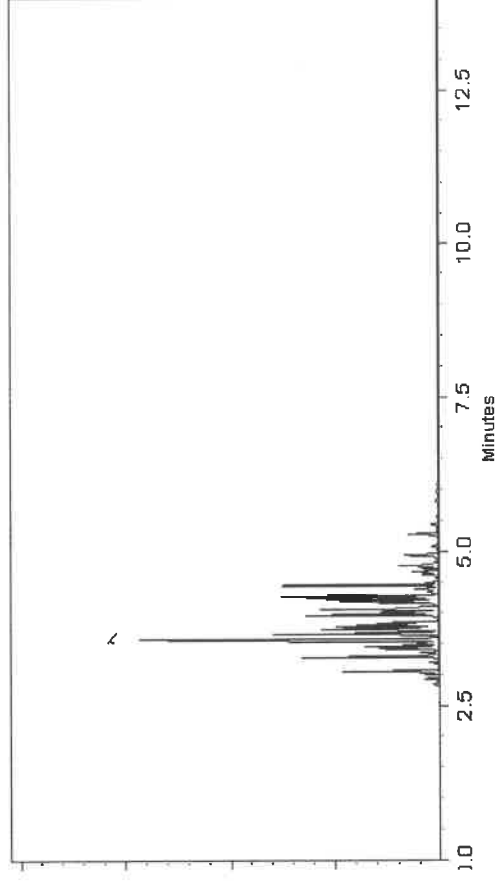
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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.

Russ Boothamer

Russ Boothamer - Operations Technician I

Date Mixed: 26-Oct-2023

Balance Serial #

B442140311

Jennifer Polino

Jennifer Polino - Operations Tech III - ARM QC

Date Passed: 06-Nov-2023

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



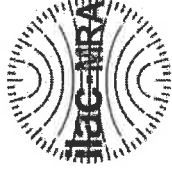
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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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.: 32010 **Lot No.:** A0202803

Description: Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

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

Expiration Date: January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P1219697
P1219697
A1
12104123

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1248	12672-29-6	13897600	---%	1,001.7 µg/mL	+/- 55.5850

Solvent: Hexane

CAS # 110-54-3

Purity 99%

* Expanded Uncertainty displayed in same units as Grav. Conc.

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

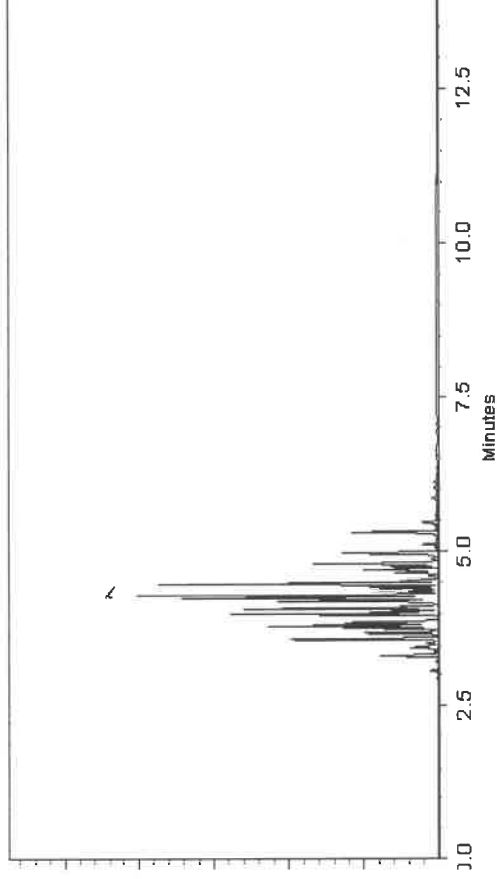
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2ul



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

Laith Clemente
Laith Clemente - Operations Technician I

Date Mixed: 03-Oct-2023

Balance Serial # 1128360905

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 09-Oct-2023

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



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

20064

022023

CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

022033

Ambient (20 °C)

1000

6UTB

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

Weight(s) shown below were combined and diluted to (mL):

200.0

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

Weight(s) shown below were combined and diluted to (mL):

200.0

Part Number:
20064

Lot Number:
022023

Description:
CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260

Expiration Date:
022033

Recommended Storage:
Ambient (20 °C)

Nominal Concentration (µg/mL):
1000

NIST Test ID#:
6UTB

Formulated By: Benson Chan

Reviewed By: Pedro L. Rentas

DATE: 022023

DATE: 022023

5E-05 Balance Uncertainty

0.010 Flask Uncertainty

200.0

200.0

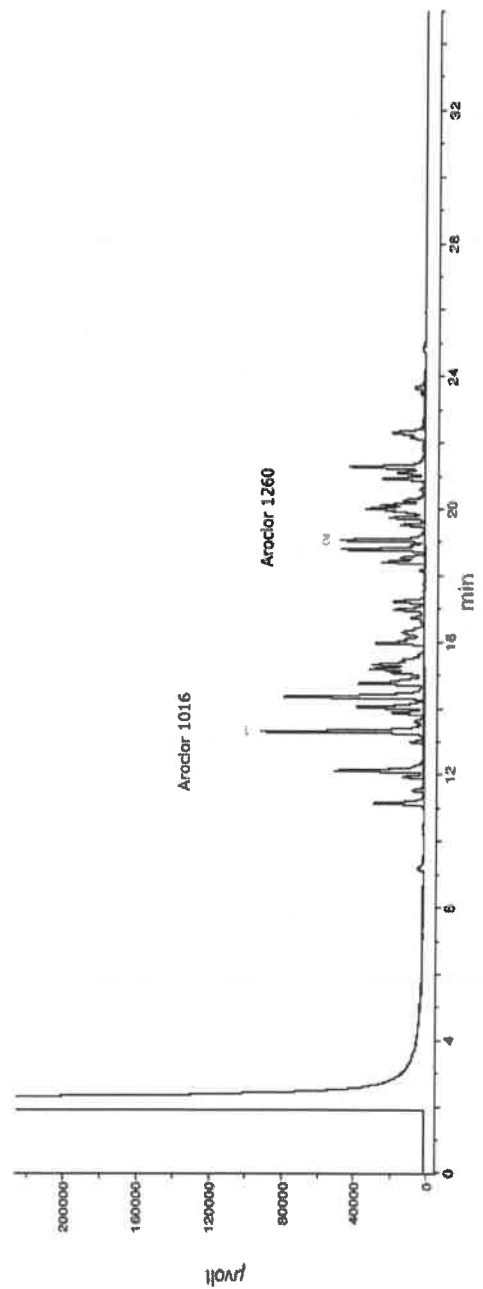
Weight(s) shown below were combined and diluted to (mL):

200.0

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	CAS#	(Solvent Safety Info. On Attached pg.)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20004	0.20060	1002.8	4.0	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20004	0.20081	1003.9	4.0	11086-82-5	0.5mg/m3	orl-rat 1315mg/kg

* 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).
* 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).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X5µm film thickness
Flow rates: Helium (carrier) = 5mL/min, Helium (make-up) = 25mL/min
Hydrogen (make-up) = 30mL/min, Air (make-up) = 350mL/min
Oven Profile: Temp 1 = 150°C (Time 1 = 4 min), Temp 2 = 280°C (Time 2 = 13.5 min)
Rate = 8°C/min, Total run time = 35 min
Injector temp. = 200°C, FID Temp. = 300°C, FID Signal = Etdaq Channel 1
Standard Injection = 1.5µL, Range=3





110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32039 **Lot No.:** A0203315

Description : Aroclor® 1016/1260 Mix
Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : January 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	4	----%	1,009.5 µg/mL	+/- 56.0077
2	Aroclor 1260	11096-82-5	1396281	----%	1,009.0 µg/mL	+/- 55.9800

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P 13370
↓
P 13371 } ②

[Signature]
05/06/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

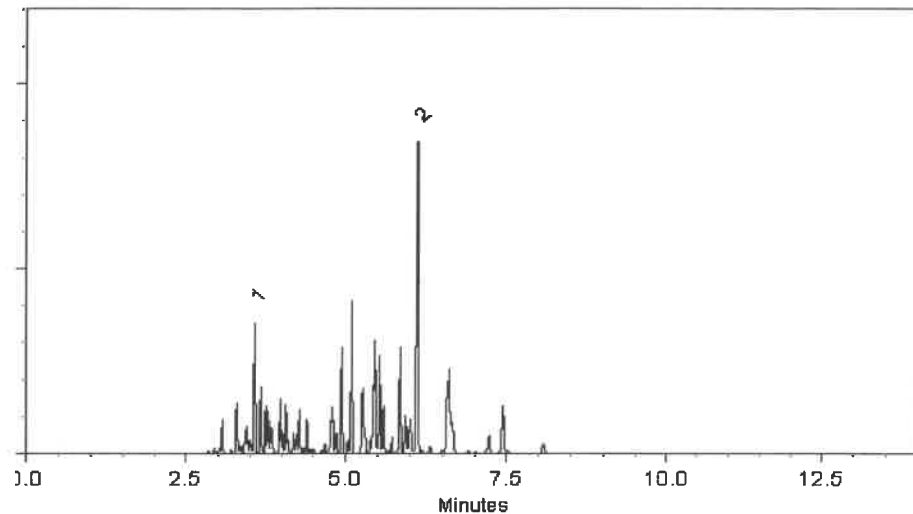
ECD

Split Vent:

10 ml/min.

Inj. Vol

0.2µl



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


Dakota Parson - Operations Technician I

Date Mixed: 18-Oct-2023

Balance Serial # B442140311


Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 23-Oct-2023

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

P13370 } ②
↓
P13371


05/06/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



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. : 32008 **Lot No.:** A0206618
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2030 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.6 µg/mL	+/- 55.9143

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P 13376
↓
P 13377

05/6/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

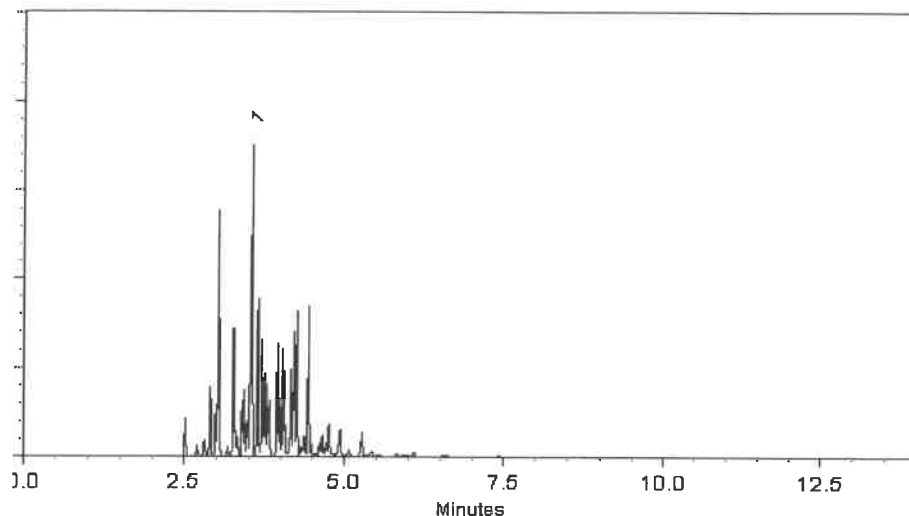
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 16-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

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

P13376
↓
P13377
②

Stacey
05/01/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32008 **Lot No.:** A0206618
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : April 30, 2030 **Storage:** 25°C nominal
Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1232	11141-16-5	15665-01	---%	1,007.6 µg/mL	+/- 55.9143

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P 13376
↓
P 13377

05/6/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

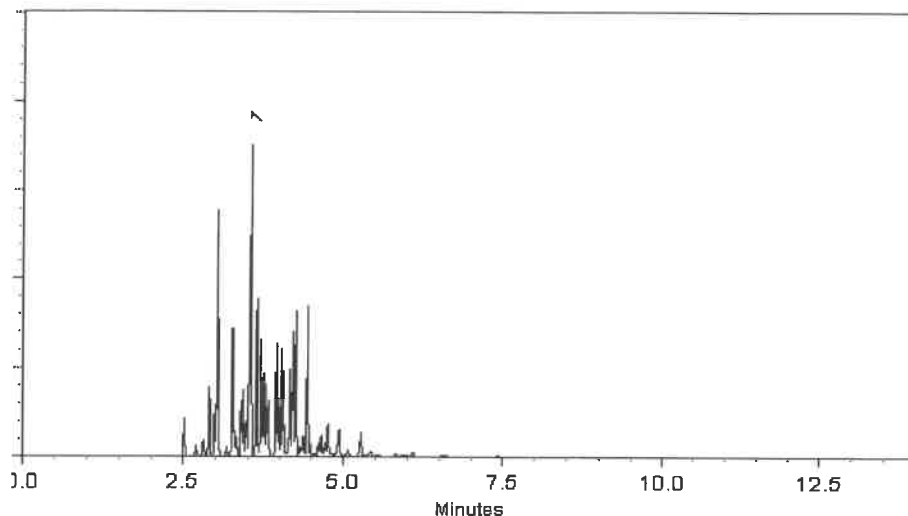
ECD

Split Vent:

10 ml/min.

Inj. Vol

1µl



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

Stacey Wanner - Operations Technician I

Date Mixed: 16-Jan-2024

Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

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

P13376
↓
P13377
②

Stacey
05/01/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32410 **Lot No.:** A0207475

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

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

Expiration Date : May 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1268	11100-14-4	10947000	---%	1,000.0 µg/mL	+/- 55.4925

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

P 13380
↓
P 13381
↓
SAZU
05/6/2024

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

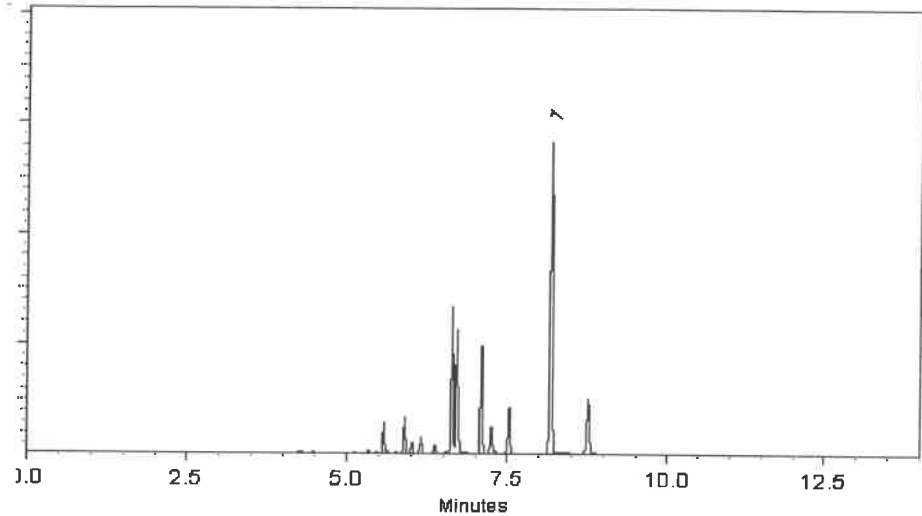
ECD

Split Vent:

Split ratio 500:1

Inj. Vol

0.2µl



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

Michael Maye
Michael Maye - Operations Tech I

Date Mixed: 06-Feb-2024

Balance Serial # B442140311

Dillon Murphy
Dillon Murphy - Operations Technician I

Date Passed: 09-Feb-2024

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

P13380 } ②
↓
P13381
1

[Signature]
05/6/2024



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32011 **Lot No.:** A0212239

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : August 31, 2030 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

P13704 } Y.P.
P13705 } 10/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1254	11097-69-1	124-191-B	----%	1,002.0 µg/mL	+/- 55.6035

* Expanded Uncertainty displayed in same units as Grav. Conc.

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

Quality Confirmation Test

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

250°C

Det. Temp:

300°C

Det. Type:

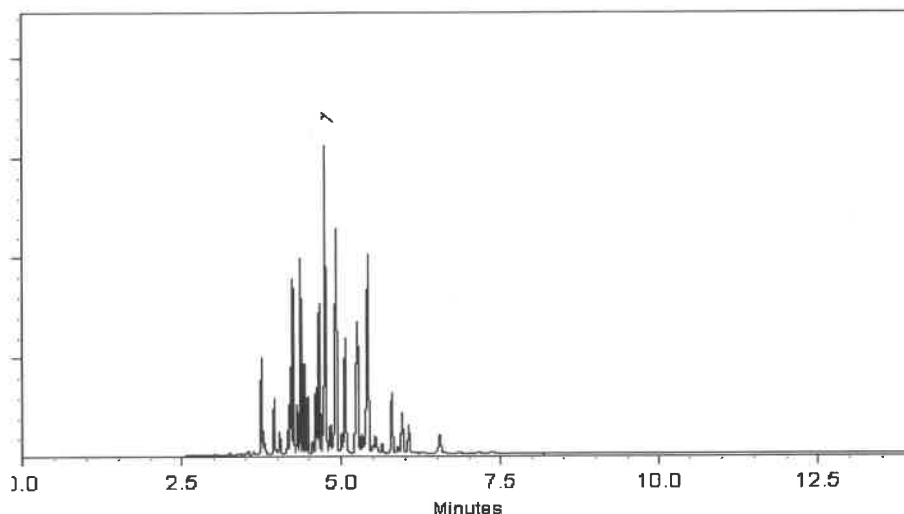
ECD

Split Vent:

300 ml/min.

Inj. Vol

1µl



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

Russ Bookhamer - Operations Technician I

Date Mixed: 30-May-2024

Balance Serial # B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 03-Jun-2024

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 expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls 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 ampuls. 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.



SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922

www.chemtech.net

Chemtech Project Number

COC Number

#1
Q1328

CLIENT INFORMATION

PROJECT INFORMATION

BILLING INFORMATION

Report to be sent to:
COMPANY: Chemtech
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 08816
ATTENTION: QA Officer
PHONE: (908) 789-8900 FAX: (908) 789-8922

PROJECT NAME: Weekly Sample Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

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

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

ANALYSIS

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

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ EDD FORMAT ☐ Other

1 VOC: 8 in 10 min
2 SVOC: 8 in 10 min
3 Particulate: 10 min
4 PCB
5
6
7
8
9

CHEMTECH
SAMPLE
ID

PROJECT
SAMPLE IDENTIFICATION

SAMPLE
MATRIX

SAMPLE
TYPE

SAMPLE
COLLECTION

of Bottles

PRESERVATIVES

COMMENTS

1. Storage-Blank-SOTL-REF-6

AQ

X

2

X

2. Storage-Blank-WATER-REF-5

AQ

X

2

X

3. Storage-Blank-WATER-REF-4

AQ

X

2

X

4. Storage-Blank-SAMPLE-MANAGEMENT

AQ

X

2

X

5. SVOC-GPC-BLANK

SO

X

1

X

6. PEST-GPC-BLANK

SO

X

1

X

7. PEST-GPC-BLANK-SPIKE

SO

X

1

X

8. PCB-GPC-BLANK

SO

X

1

X

9. PCB-GPC-BLANK-SPIKE

SO

X

1

X

10. SVOC-GPC2-BLANK

SO

X

1

X

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

RELINQUISHED BY SAMPLER

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

RECEIVED BY

RELINQUISHED BY

DATE/TIME

RECEIVED FOR LAB BY

Conditions of bottles or casks at receipt

Comments:

COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete
☒ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT

YELLOW - CHEMTECH COPY

PINK - SAMPLER COPY



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488