

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



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: O3649
Client: ATC Group Services LLC
Contact: Denise Cosenza

OrderDate: 7/17/2023 12:32:06 PM
Project: SCA - PS 182X
Location: I11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O3649-01	X182-S5	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23
O3649-02	X182-B4	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23
O3649-03	X182-S3	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23
O3649-04	X182-B3	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23
O3649-05	X182-B3-DUP	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23
O3649-06	X182-S4	SOIL	PCB Group1	8082A	07/17/23	07/18/23	07/18/23	07/17/23



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

Hit Summary Sheet
SW-846

SDG No.: O3649

Order ID: O3649

Client: ATC Group Services LLC

Project ID: SCA - PS 182X

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	X182-S3							
O3649-03	X182-S3	SOIL	Aroclor-1260	32.6	3.70		19.0	ug/kg
Total Concentration:				32.600				
Client ID :	X182-B3							
O3649-04	X182-B3	SOIL	Aroclor-1260	29.2	3.90		19.6	ug/kg
Total Concentration:				29.200				
Client ID :	X182-B3-DUP							
O3649-05	X182-B3-DUP	SOIL	Aroclor-1260	28.0	3.80		19.3	ug/kg
Total Concentration:				28.000				
Client ID :	X182-S4							
O3649-06	X182-S4	SOIL	Aroclor-1260	18.7	3.60		18.2	ug/kg
Total Concentration:				18.700				

QC
SUMMARY

Surrogate Summary

SDG No.: **O3649**

Client: **ATC Group Services LLC**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PQ061834.D	PIBLK-PQ061834.D	Tetrachloro-m-xylene	1	20	20.0	100		60	140
		Decachlorobiphenyl	1	20	20.9	105		60	140
		Tetrachloro-m-xylene	2	20	20.3	101		60	140
		Decachlorobiphenyl	2	20	20.5	102		60	140
I.BLK-PQ062334.D	PIBLK-PQ062334.D	Tetrachloro-m-xylene	1	20	15.0	75		60	140
		Decachlorobiphenyl	1	20	17.2	86		60	140
		Tetrachloro-m-xylene	2	20	17.7	89		60	140
		Decachlorobiphenyl	2	20	18.5	92		60	140
PB154254BL	PB154254BL	Tetrachloro-m-xylene	1	20	17.0	85		40	162
		Decachlorobiphenyl	1	20	19.4	97		32	176
		Tetrachloro-m-xylene	2	20	19.1	96		40	162
		Decachlorobiphenyl	2	20	20.4	102		32	176
PB154254BS	PB154254BS	Tetrachloro-m-xylene	1	20	16.9	84		40	162
		Decachlorobiphenyl	1	20	19.0	95		32	176
		Tetrachloro-m-xylene	2	20	18.2	91		40	162
		Decachlorobiphenyl	2	20	19.8	99		32	176
I.BLK-PQ062346.D	PIBLK-PQ062346.D	Tetrachloro-m-xylene	1	20	15.9	79		60	140
		Decachlorobiphenyl	1	20	17.1	85		60	140
		Tetrachloro-m-xylene	2	20	18.4	92		60	140
		Decachlorobiphenyl	2	20	18.0	90		60	140
O3645-09MS	SB-04-(1-5)MS	Tetrachloro-m-xylene	1	20	18.7	93		40	162
		Decachlorobiphenyl	1	20	18.7	93		32	176
		Tetrachloro-m-xylene	2	20	20.3	102		40	162
		Decachlorobiphenyl	2	20	19.7	98		32	176
O3645-10MSD	SB-04-(1-5)MSD	Tetrachloro-m-xylene	1	20	18.9	94		40	162
		Decachlorobiphenyl	1	20	19.0	95		32	176
		Tetrachloro-m-xylene	2	20	20.3	101		40	162
		Decachlorobiphenyl	2	20	19.7	99		32	176
O3649-01	X182-S5	Tetrachloro-m-xylene	1	20	16.2	81		40	162
		Decachlorobiphenyl	1	20	14.1	71		32	176
		Tetrachloro-m-xylene	2	20	18.3	91		40	162
		Decachlorobiphenyl	2	20	16.0	80		32	176
O3649-02	X182-B4	Tetrachloro-m-xylene	1	20	15.5	77		40	162
		Decachlorobiphenyl	1	20	10.8	54		32	176
		Tetrachloro-m-xylene	2	20	17.2	86		40	162
		Decachlorobiphenyl	2	20	12.5	63		32	176
O3649-03	X182-S3	Tetrachloro-m-xylene	1	20	17.1	85		40	162
		Decachlorobiphenyl	1	20	18.4	92		32	176
		Tetrachloro-m-xylene	2	20	19.0	95		40	162
		Decachlorobiphenyl	2	20	18.6	93		32	176
O3649-04	X182-B3	Tetrachloro-m-xylene	1	20	17.3	87		40	162
		Decachlorobiphenyl	1	20	17.4	87		32	176
		Tetrachloro-m-xylene	2	20	19.4	97		40	162



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

Surrogate Summary

SDG No.: O3649

Client: ATC Group Services LLC

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
O3649-04	X182-B3	Decachlorobiphenyl	2	20	19.3	97		32	176
O3649-05	X182-B3-DUP	Tetrachloro-m-xylene	1	20	24.6	123		40	162
		Decachlorobiphenyl	1	20	29.6	148		32	176
		Tetrachloro-m-xylene	2	20	27.3	137		40	162
		Decachlorobiphenyl	2	20	32.3	162		32	176
O3649-06	X182-S4	Tetrachloro-m-xylene	1	20	17.0	85		40	162
		Decachlorobiphenyl	1	20	15.8	79		32	176
		Tetrachloro-m-xylene	2	20	19.1	95		40	162
		Decachlorobiphenyl	2	20	17.4	87		32	176
I.BLK-PQ062368.D	PIBLK-PQ062368.D	Tetrachloro-m-xylene	1	20	16.7	84		60	140
		Decachlorobiphenyl	1	20	18.3	92		60	140
		Tetrachloro-m-xylene	2	20	19.3	96		60	140
		Decachlorobiphenyl	2	20	19.7	98		60	140



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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O3649

Client: ATC Group Services LLC

Analytical Method: 8082A

DataFile : PQ062358.D

		Sample				Rec		RPD		Limits	
Lab Sample ID:	Parameter	Spike	Result	Result	Units	Rec	Qual	RPD	Qual	Low	High
Client Sample ID: O3645-09MS	SB-04-(1-5)MS										
	AR1016	182.2	0	182	ug/kg	100				70	142
	AR1260	182.2	0	183	ug/kg	100				50	147



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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: O3649

Client: ATC Group Services LLC

Analytical Method: 8082A

DataFile : PQ062359.D

Lab Sample ID:		Parameter	Spike	Sample Result	Result	Units	Rec	Qual	RPD	Qual	Low	Limits High	RPD
Client Sample ID: O3645-10MSD	SB-04-(1-5)MSD												
		AR1016	182.1	0	184	ug/kg	101		1		70	142	20
		AR1260	182.1	0	187	ug/kg	103		3		50	147	20



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: O3649

Client: ATC Group Services LLC

Analytical Method: 8082A

Datafile : PQ062336.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154254BS	AR1016	166.7	143	ug/kg	86				71	120	
	AR1260	166.7	151	ug/kg	91				65	130	
	Total PCBs	0	294	ug/kg					0	0	



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

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154254BL

Lab Name: CHEMTECH

Contract: ATCE02

Lab Code: CHEM Case No.: O3649

SAS No.: O3649 SDG NO.: O3649

Lab Sample ID: PB154254BL

Lab File ID: PQ062335.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 07/18/2023

Date Analyzed (1): 07/18/2023

Date Analyzed (2): 07/18/2023

Time Analyzed (1): 13:20

Time Analyzed (2): 13:20

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)

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
PB154254BS	PB154254BS	PQ062336.D	07/18/2023	07/18/2023
SB-04-(1-5)MS	O3645-09MS	PQ062358.D	07/18/2023	07/18/2023
SB-04-(1-5)MSD	O3645-10MSD	PQ062359.D	07/18/2023	07/18/2023
X182-S5	O3649-01	PQ062360.D	07/18/2023	07/18/2023
X182-B4	O3649-02	PQ062361.D	07/18/2023	07/18/2023
X182-S3	O3649-03	PQ062362.D	07/18/2023	07/18/2023
X182-B3	O3649-04	PQ062363.D	07/18/2023	07/18/2023
X182-B3-DUP	O3649-05	PQ062364.D	07/18/2023	07/18/2023
X182-S4	O3649-06	PQ062365.D	07/18/2023	07/18/2023

COMMENTS:

SAMPLE DATA



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-S5		SDG No.:	O3649	
Lab Sample ID:	O3649-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	82.2	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062360.D	1	07/18/23 09:10	07/18/23 19:41	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.30	U	4.30	20.7	ug/kg
11104-28-2	Aroclor-1221	7.10	U	7.10	20.7	ug/kg
11141-16-5	Aroclor-1232	5.50	U	5.50	20.7	ug/kg
53469-21-9	Aroclor-1242	3.80	U	3.80	20.7	ug/kg
12672-29-6	Aroclor-1248	3.40	U	3.40	20.7	ug/kg
11097-69-1	Aroclor-1254	4.60	U	4.60	20.7	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	20.7	ug/kg
11100-14-4	Aroclor-1268	4.00	U	4.00	20.7	ug/kg
11096-82-5	Aroclor-1260	4.10	U	4.10	20.7	ug/kg
Total PCBs	Total PCBs	7.00	U	7.00	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.3		40 - 162	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	16.0		32 - 176	80%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 19:41
 Operator : YP\AJ
 Sample : 03649-01
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-S5

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:55:11 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	79216751	45876725	16.239	18.284
2) SA Decachlor...	8.581	7.523	51369434	53192146	14.141m	15.963m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 19:41
Operator : YP\AJ
Sample : 03649-01
Misc :
ALS Vial : 29 Sample Multiplier: 1

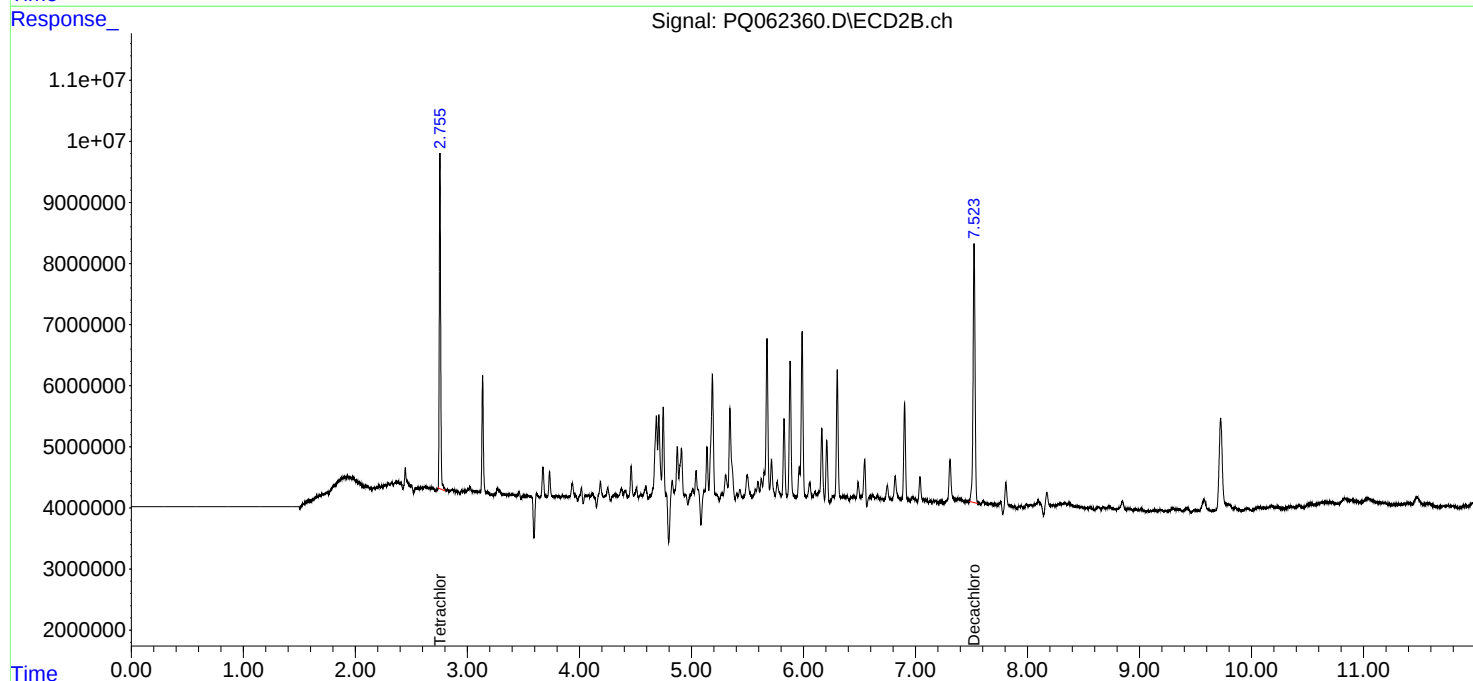
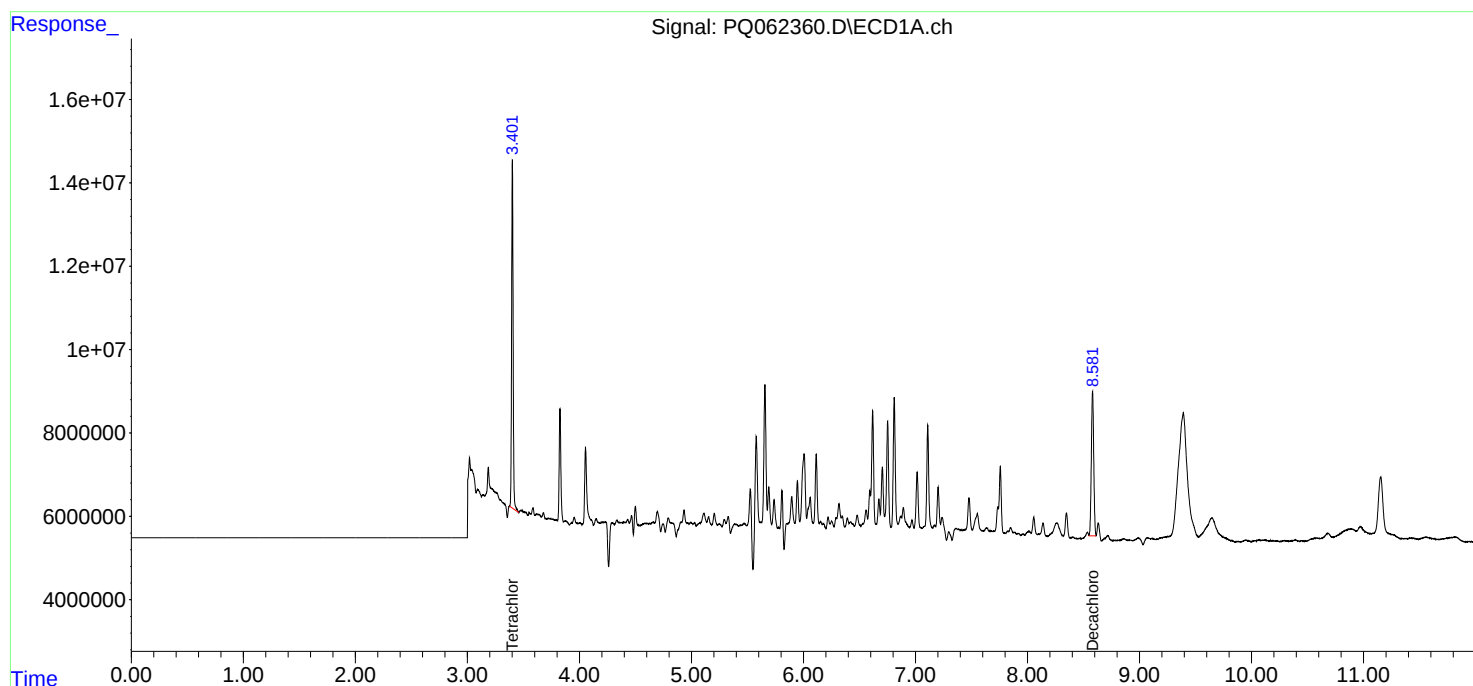
Instrument :
ECD_Q
ClientSampleId :
X182-S5

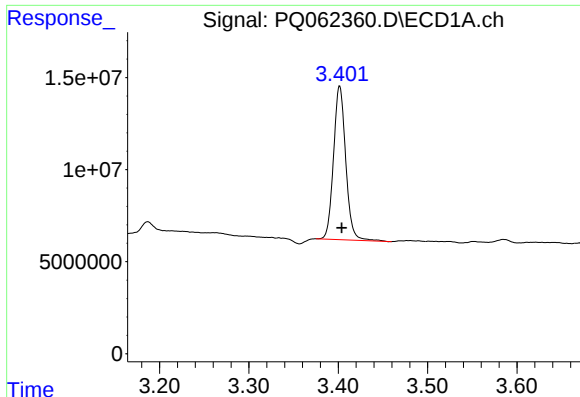
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:55:11 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





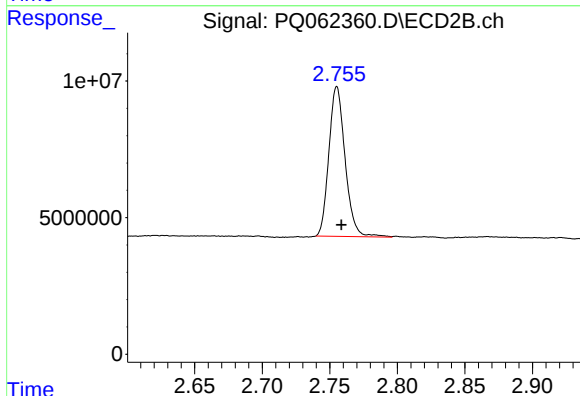
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 79216751
Conc: 16.24 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S5

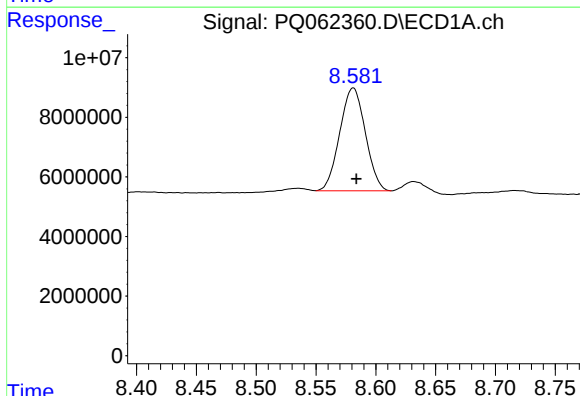
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



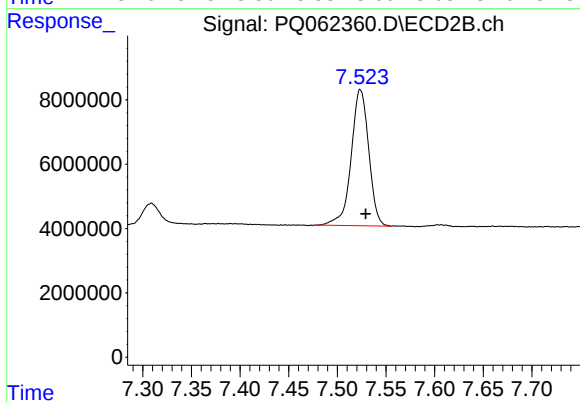
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.003 min
Response: 45876725
Conc: 18.28 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.003 min
Response: 51369434
Conc: 14.14 ng/ml m



#2 Decachlorobiphenyl

R.T.: 7.523 min
Delta R.T.: -0.006 min
Response: 53192146
Conc: 15.96 ng/ml m



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-B4		SDG No.:	O3649	
Lab Sample ID:	O3649-02		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	84.3	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062361.D	1	07/18/23 09:10	07/18/23 19:56	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.20	U	4.20	20.1	ug/kg
11104-28-2	Aroclor-1221	6.90	U	6.90	20.1	ug/kg
11141-16-5	Aroclor-1232	5.30	U	5.30	20.1	ug/kg
53469-21-9	Aroclor-1242	3.70	U	3.70	20.1	ug/kg
12672-29-6	Aroclor-1248	3.30	U	3.30	20.1	ug/kg
11097-69-1	Aroclor-1254	4.40	U	4.40	20.1	ug/kg
37324-23-5	Aroclor-1262	3.20	U	3.20	20.1	ug/kg
11100-14-4	Aroclor-1268	3.90	U	3.90	20.1	ug/kg
11096-82-5	Aroclor-1260	4.00	U	4.00	20.1	ug/kg
Total PCBs	Total PCBs	6.80	U	6.80	20.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.2		40 - 162	86%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.5		32 - 176	63%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 19:56
 Operator : YP\AJ
 Sample : 03649-02
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-B4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:55:41 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	75461365	43214454	15.469	17.223
2) SA Decachlor...	8.581	7.524	39156027	41675695	10.779m	12.507m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 19:56
Operator : YP\AJ
Sample : 03649-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

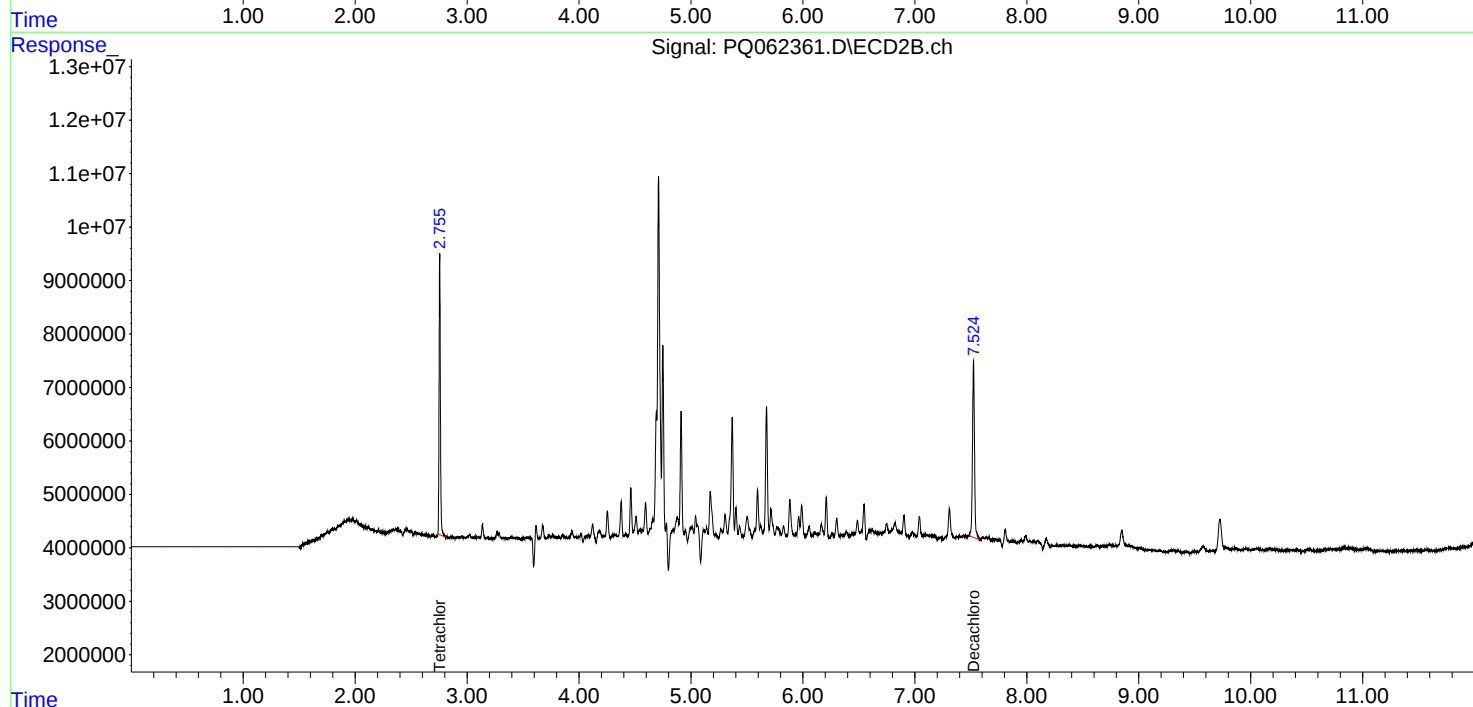
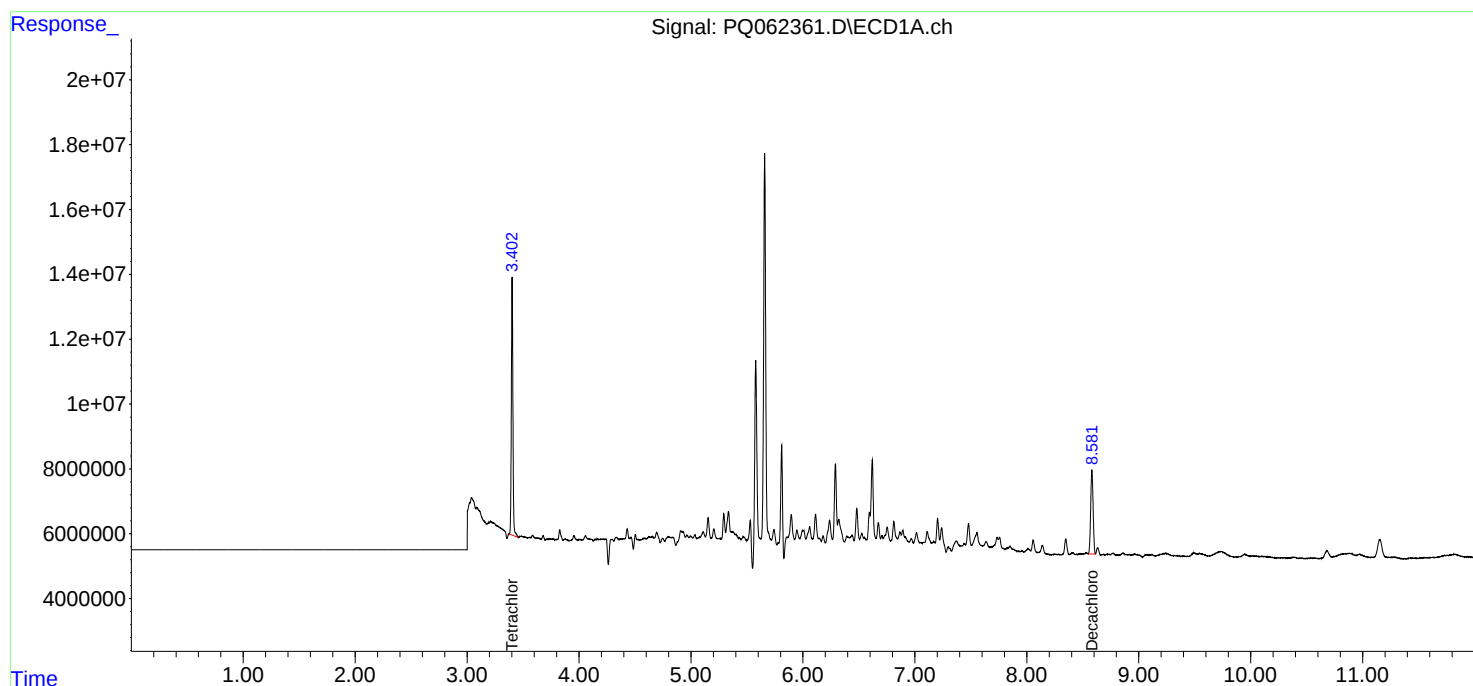
Instrument :
ECD_Q
ClientSampleId :
X182-B4

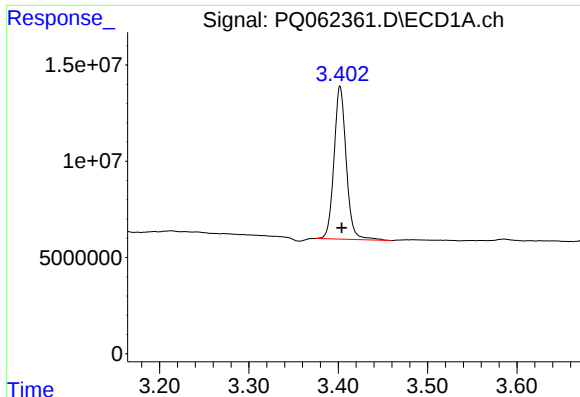
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:55:41 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





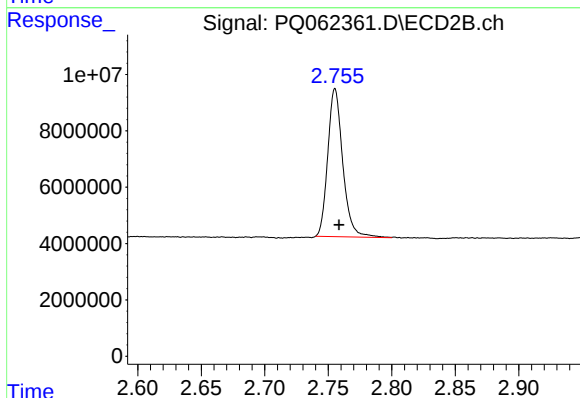
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 75461365
Conc: 15.47 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B4

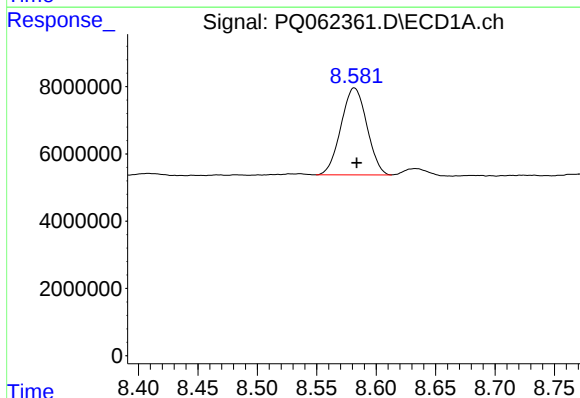
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



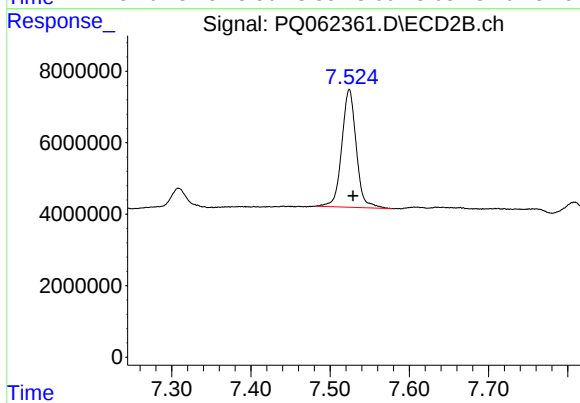
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.003 min
Response: 43214454
Conc: 17.22 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.003 min
Response: 39156027
Conc: 10.78 ng/ml m



#2 Decachlorobiphenyl

R.T.: 7.524 min
Delta R.T.: -0.005 min
Response: 41675695
Conc: 12.51 ng/ml m



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-S3		SDG No.:	O3649	
Lab Sample ID:	O3649-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	89.2	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062362.D	1	07/18/23 09:10	07/18/23 20:10	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.00	U	4.00	19.0	ug/kg
11104-28-2	Aroclor-1221	6.60	U	6.60	19.0	ug/kg
11141-16-5	Aroclor-1232	5.10	U	5.10	19.0	ug/kg
53469-21-9	Aroclor-1242	3.50	U	3.50	19.0	ug/kg
12672-29-6	Aroclor-1248	3.20	U	3.20	19.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	19.0	ug/kg
37324-23-5	Aroclor-1262	3.00	U	3.00	19.0	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	19.0	ug/kg
11096-82-5	Aroclor-1260	32.6		3.70	19.0	ug/kg
Total PCBs	Total PCBs	32.6		3.70	19.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.0		40 - 162	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.6		32 - 176	93%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062362.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 20:10
 Operator : YP\AJ
 Sample : 03649-03
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-S3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 09:11:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.756	83349819	47604113	17.086	18.973
2) SA Decachlor...	8.581	7.524	66948440	62017949	18.429	18.612
Target Compounds						
31) L7 AR-1260-1	6.061	5.177	16156509	14849710	68.480	89.159m#
32) L7 AR-1260-2	6.320	5.364	22179996	28584062	76.797m	137.459m#
33) L7 AR-1260-3	6.673	5.499	14998177	14086970	84.939	72.405m
34) L7 AR-1260-4	6.891	5.962	9632629	9594291	45.728	65.777 #
35) L7 AR-1260-5	7.203	6.209	37794720	23907033	92.046	71.996

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062362.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 20:10
Operator : YP\AJ
Sample : 03649-03
Misc :
ALS Vial : 31 Sample Multiplier: 1

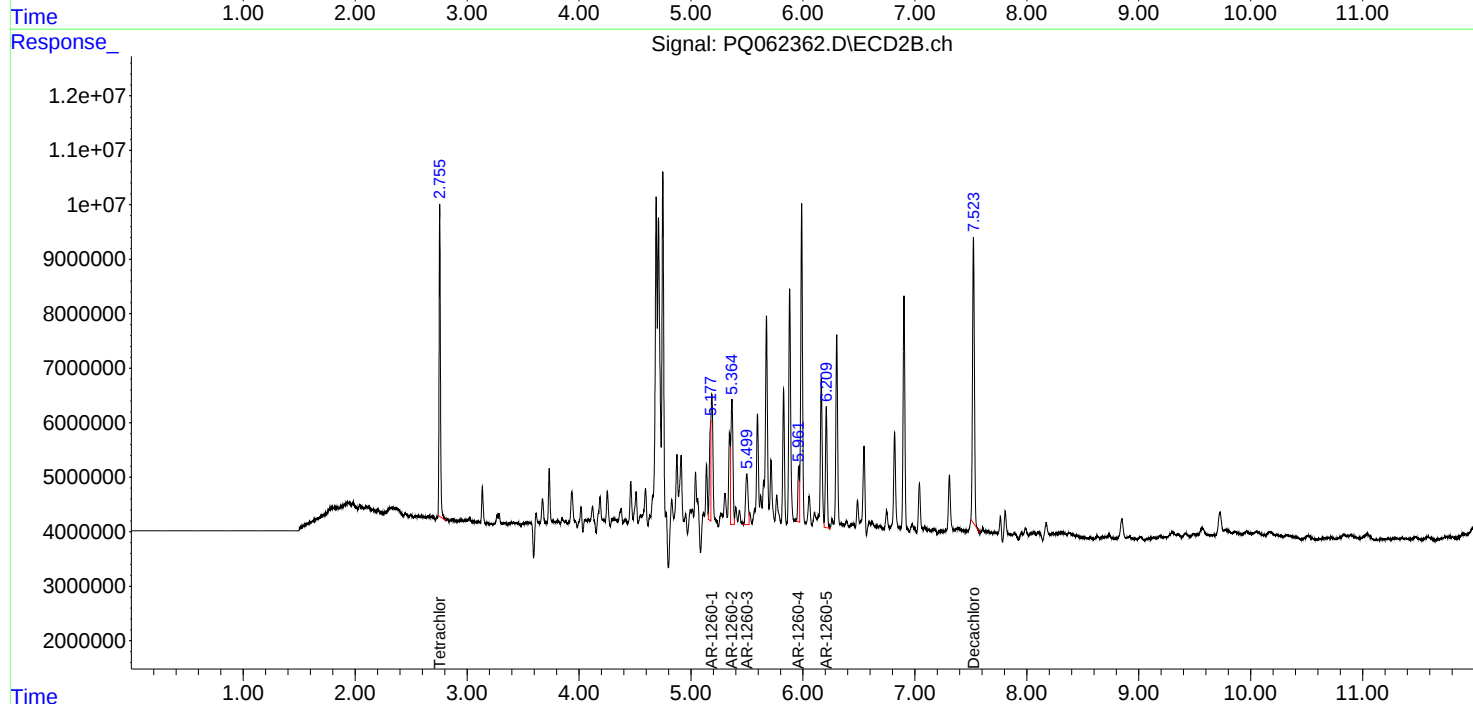
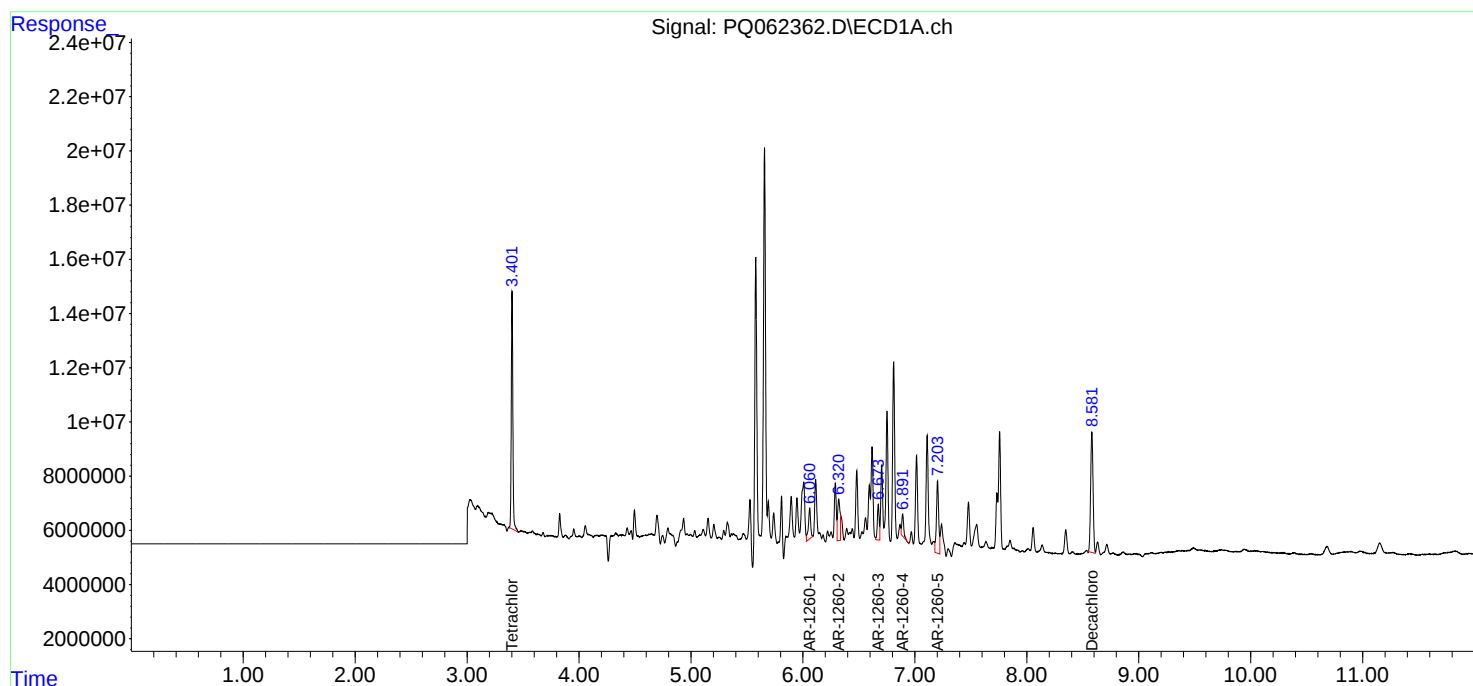
Instrument :
ECD_Q
ClientSampleId :
X182-S3

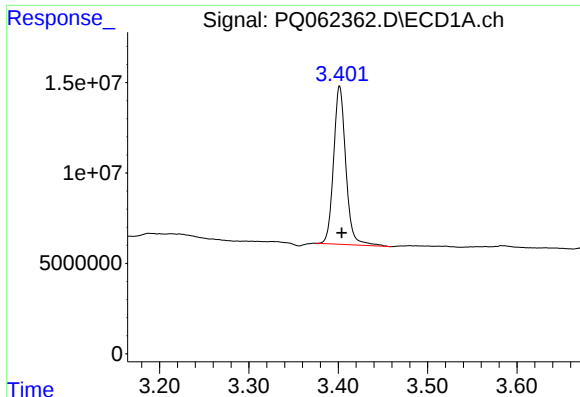
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 09:11:28 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





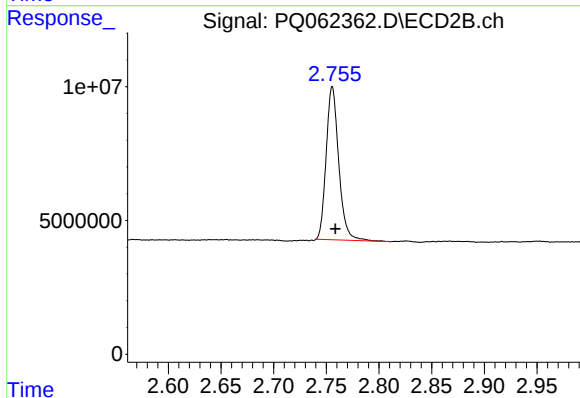
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 83349819
Conc: 17.09 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S3

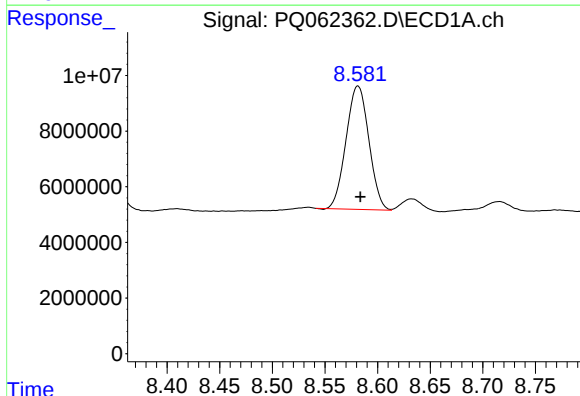
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



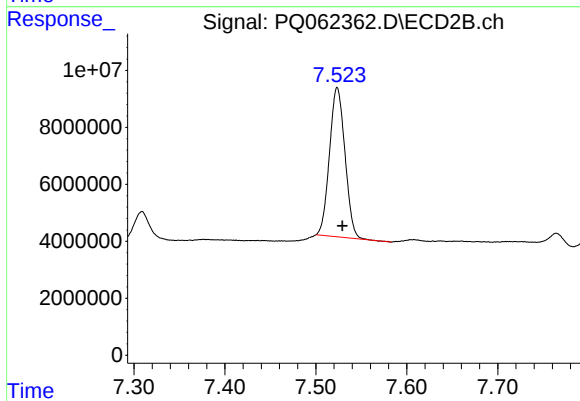
#1 Tetrachloro-m-xylene

R.T.: 2.756 min
Delta R.T.: -0.003 min
Response: 47604113
Conc: 18.97 ng/ml



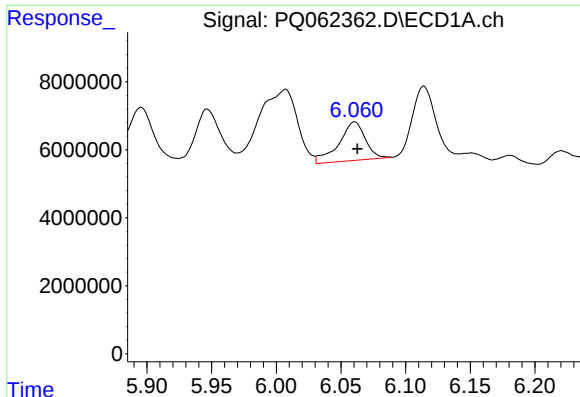
#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.002 min
Response: 66948440
Conc: 18.43 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.524 min
Delta R.T.: -0.006 min
Response: 62017949
Conc: 18.61 ng/ml



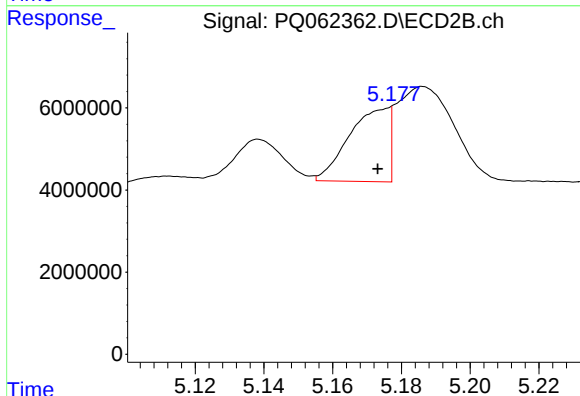
#31 AR-1260-1

R.T.: 6.061 min
Delta R.T.: -0.002 min
Response: 16156509
Conc: 68.48 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S3

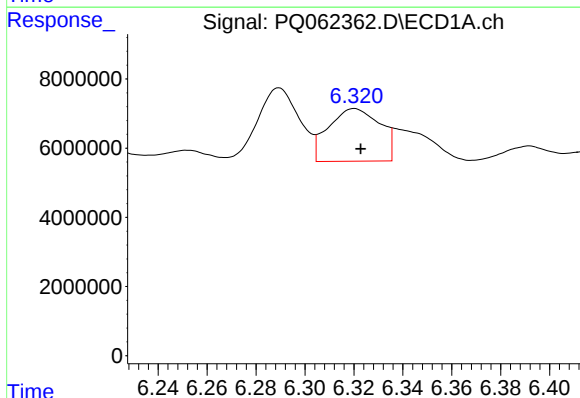
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



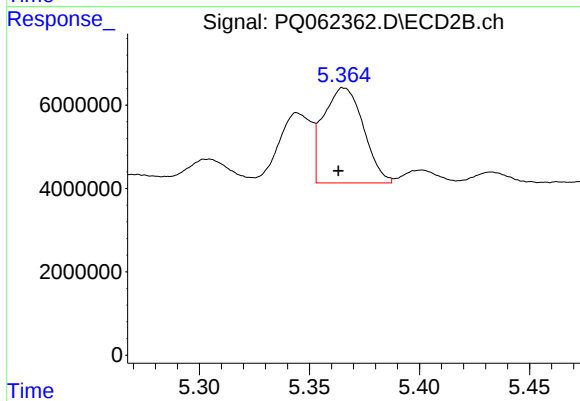
#31 AR-1260-1

R.T.: 5.177 min
Delta R.T.: 0.004 min
Response: 14849710
Conc: 89.16 ng/ml m



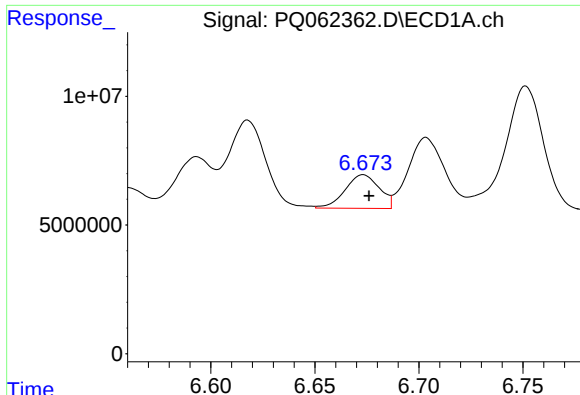
#32 AR-1260-2

R.T.: 6.320 min
Delta R.T.: -0.003 min
Response: 22179996
Conc: 76.80 ng/ml m



#32 AR-1260-2

R.T.: 5.364 min
Delta R.T.: 0.001 min
Response: 28584062
Conc: 137.46 ng/ml m



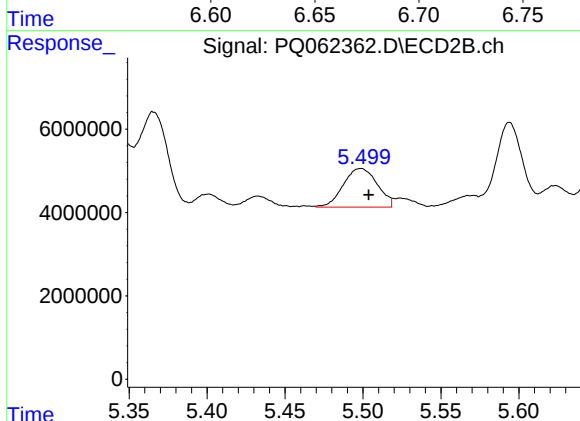
#33 AR-1260-3

R.T.: 6.673 min
Delta R.T.: -0.003 min
Response: 14998177
Conc: 84.94 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S3

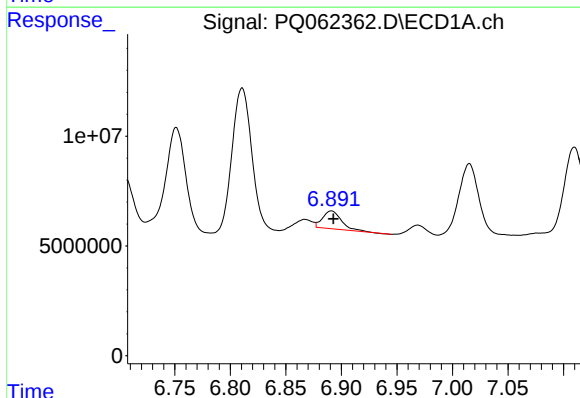
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



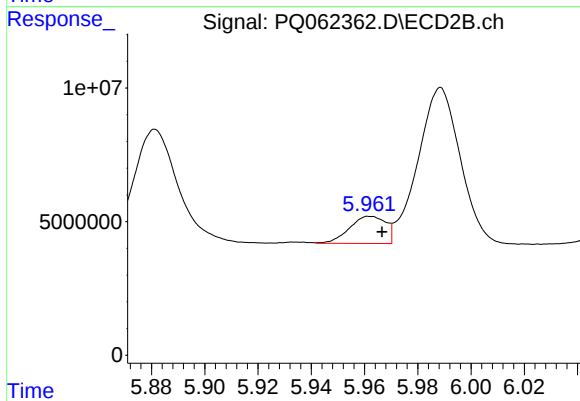
#33 AR-1260-3

R.T.: 5.499 min
Delta R.T.: -0.005 min
Response: 14086970
Conc: 72.40 ng/ml m



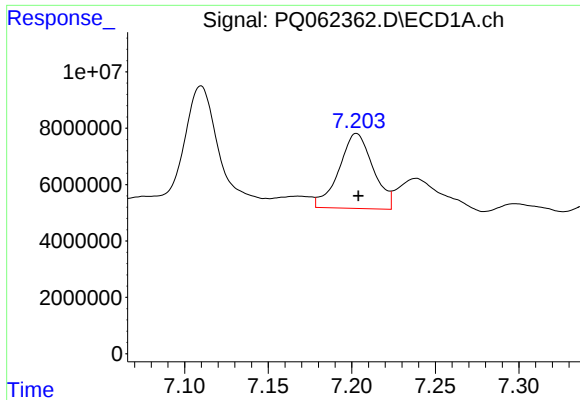
#34 AR-1260-4

R.T.: 6.891 min
Delta R.T.: -0.002 min
Response: 9632629
Conc: 45.73 ng/ml



#34 AR-1260-4

R.T.: 5.962 min
Delta R.T.: -0.005 min
Response: 9594291
Conc: 65.78 ng/ml



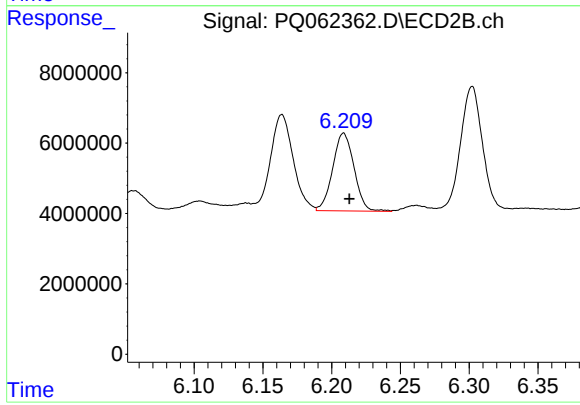
#35 AR-1260-5

R.T.: 7.203 min
Delta R.T.: -0.001 min
Response: 37794720
Conc: 92.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



#35 AR-1260-5

R.T.: 6.209 min
Delta R.T.: -0.004 min
Response: 23907033
Conc: 72.00 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-B3		SDG No.:	O3649	
Lab Sample ID:	O3649-04		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	86.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062363.D	1	07/18/23 09:10	07/18/23 20:25	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	19.6	ug/kg
11104-28-2	Aroclor-1221	6.80	U	6.80	19.6	ug/kg
11141-16-5	Aroclor-1232	5.20	U	5.20	19.6	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	19.6	ug/kg
12672-29-6	Aroclor-1248	3.30	U	3.30	19.6	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	19.6	ug/kg
37324-23-5	Aroclor-1262	3.10	U	3.10	19.6	ug/kg
11100-14-4	Aroclor-1268	3.80	U	3.80	19.6	ug/kg
11096-82-5	Aroclor-1260	29.2		3.90	19.6	ug/kg
Total PCBs	Total PCBs	29.2		3.90	19.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.4		40 - 162	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		32 - 176	97%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062363.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 20:25
 Operator : YP\AJ
 Sample : 03649-04
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-B3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:56:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	84487346	48770295	17.319	19.437
2) SA Decachlor...	8.580	7.524	63263513	64349393	17.415m	19.312m
Target Compounds						
31) L7 AR-1260-1	6.060	5.170	14157341	11129104	60.006	66.820m
32) L7 AR-1260-2	6.313	5.359	36929212	13616808	127.866	65.482m#
33) L7 AR-1260-3	6.674	5.497	15207291	12637985	86.123	64.957m
34) L7 AR-1260-4	6.891	5.962	9133955	9891613	43.361m	67.815 #
35) L7 AR-1260-5	7.203	6.209	25347075	21673806	61.730m	65.271

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062363.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 20:25
Operator : YP\AJ
Sample : 03649-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

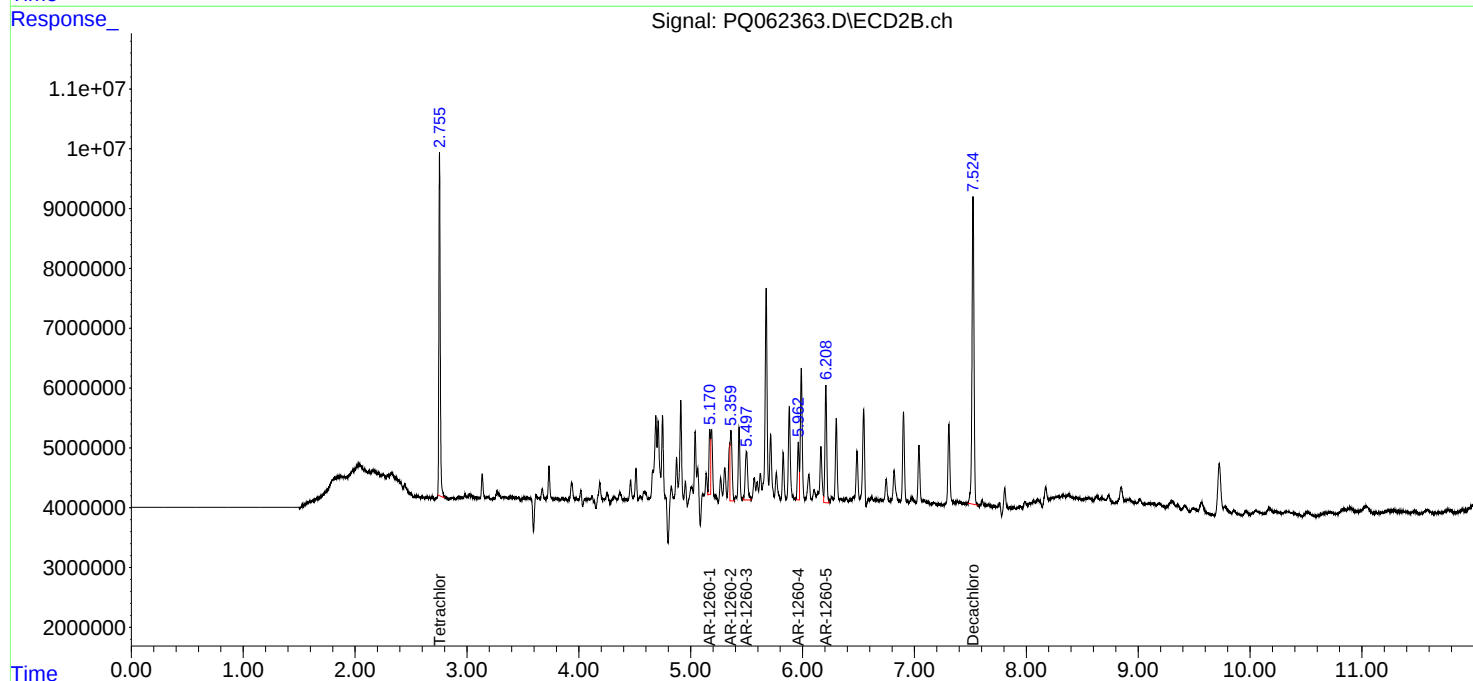
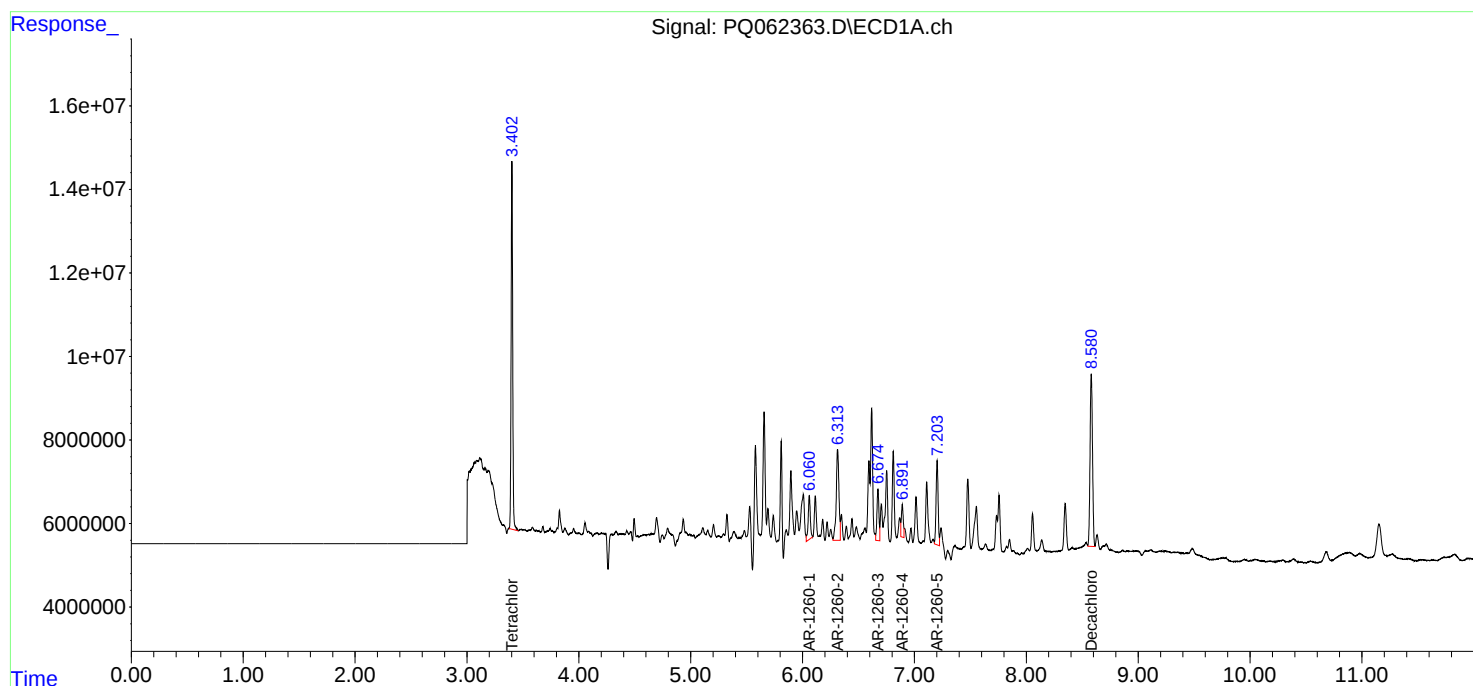
Instrument :
ECD_Q
ClientSampleId :
X182-B3

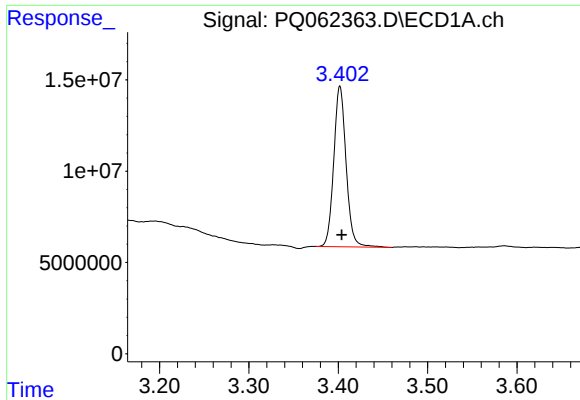
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:56:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





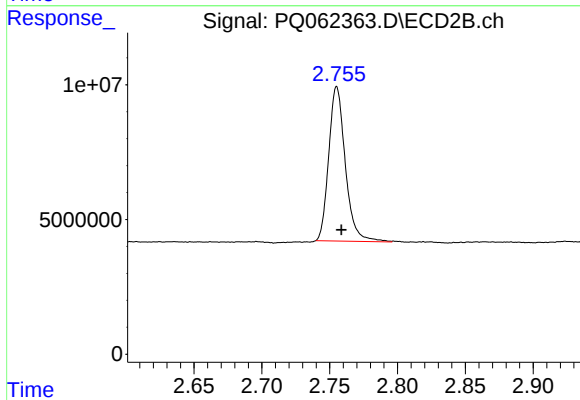
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 84487346
Conc: 17.32 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3

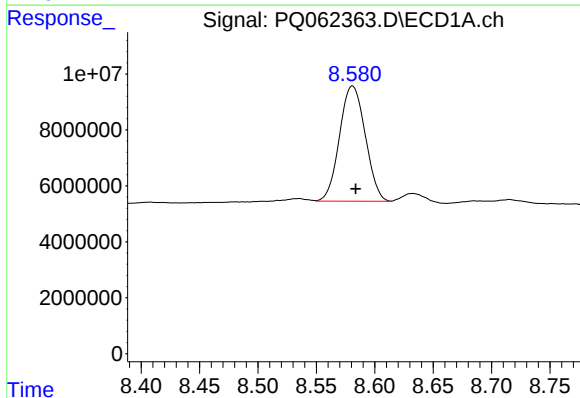
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



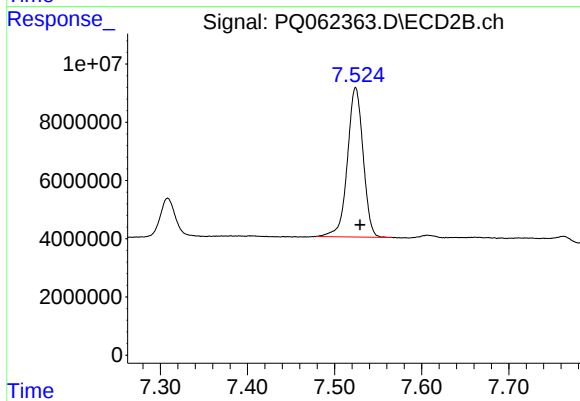
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.003 min
Response: 48770295
Conc: 19.44 ng/ml



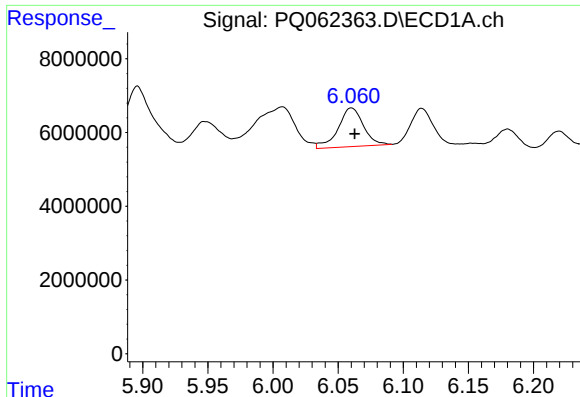
#2 Decachlorobiphenyl

R.T.: 8.580 min
Delta R.T.: -0.003 min
Response: 63263513
Conc: 17.41 ng/ml m



#2 Decachlorobiphenyl

R.T.: 7.524 min
Delta R.T.: -0.006 min
Response: 64349393
Conc: 19.31 ng/ml m



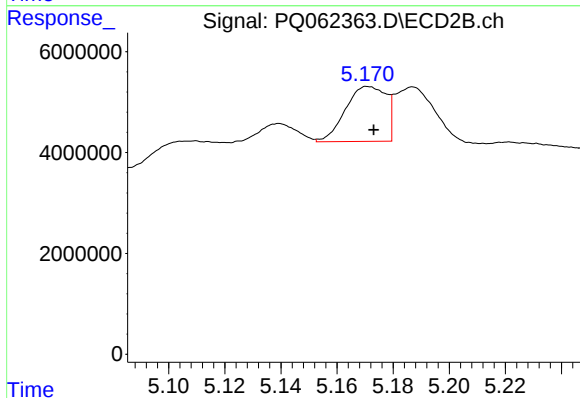
#31 AR-1260-1

R.T.: 6.060 min
Delta R.T.: -0.002 min
Response: 14157341
Conc: 60.01 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3

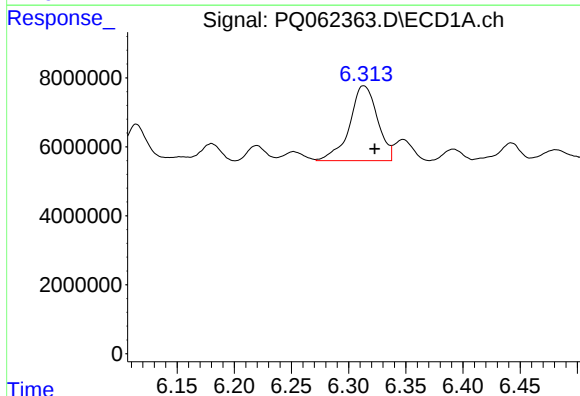
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



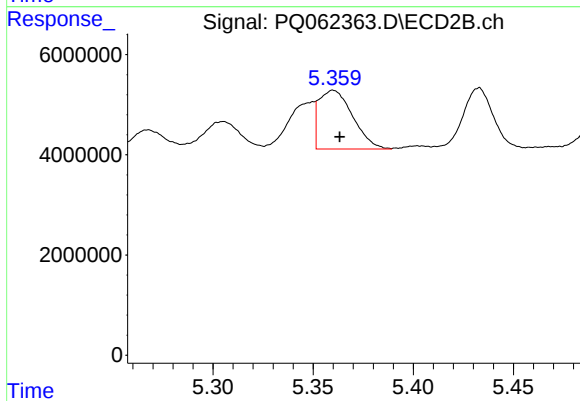
#31 AR-1260-1

R.T.: 5.170 min
Delta R.T.: -0.003 min
Response: 11129104
Conc: 66.82 ng/ml m



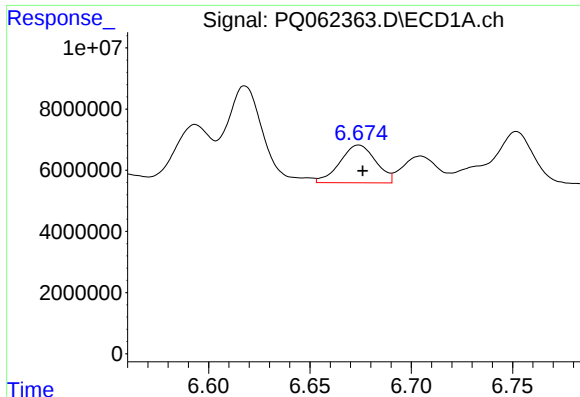
#32 AR-1260-2

R.T.: 6.313 min
Delta R.T.: -0.010 min
Response: 36929212
Conc: 127.87 ng/ml



#32 AR-1260-2

R.T.: 5.359 min
Delta R.T.: -0.004 min
Response: 13616808
Conc: 65.48 ng/ml m



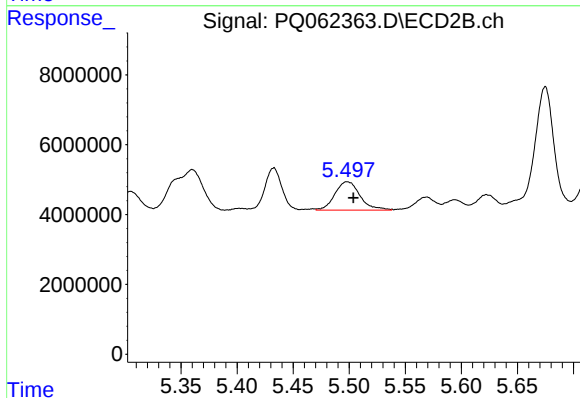
#33 AR-1260-3

R.T.: 6.674 min
Delta R.T.: -0.002 min
Response: 15207291
Conc: 86.12 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3

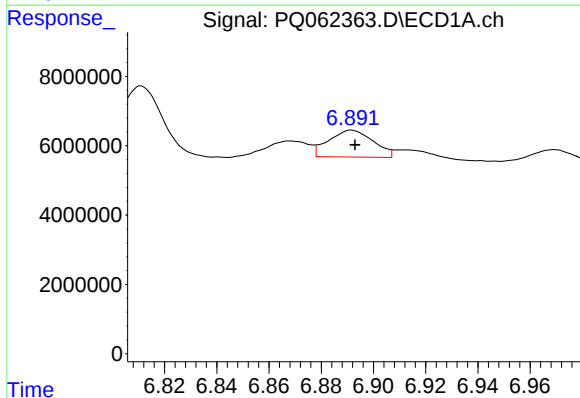
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



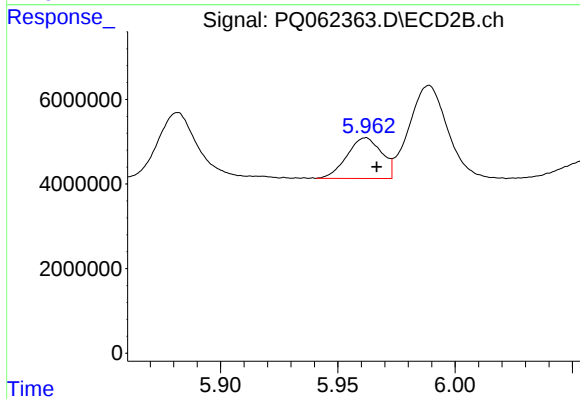
#33 AR-1260-3

R.T.: 5.497 min
Delta R.T.: -0.007 min
Response: 12637985
Conc: 64.96 ng/ml m



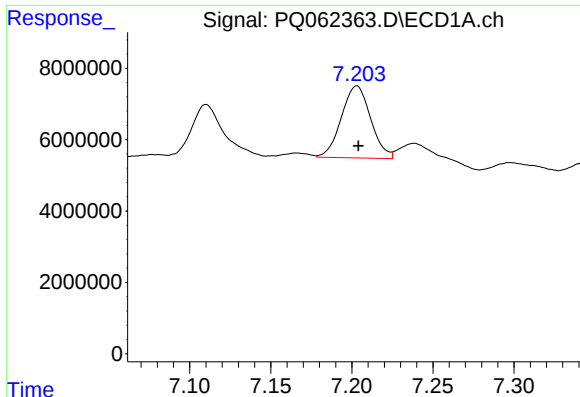
#34 AR-1260-4

R.T.: 6.891 min
Delta R.T.: -0.002 min
Response: 9133955
Conc: 43.36 ng/ml m



#34 AR-1260-4

R.T.: 5.962 min
Delta R.T.: -0.004 min
Response: 9891613
Conc: 67.82 ng/ml



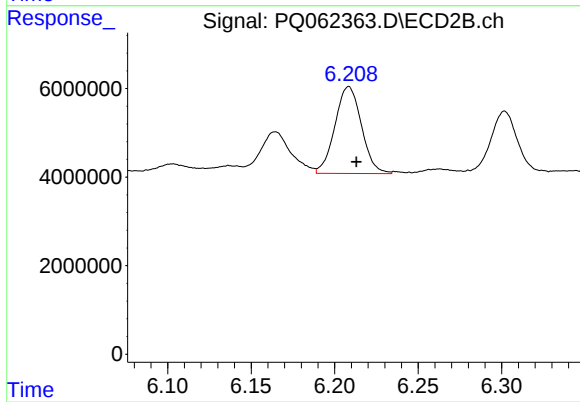
#35 AR-1260-5

R.T.: 7.203 min
Delta R.T.: -0.001 min
Response: 25347075
Conc: 61.73 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



#35 AR-1260-5

R.T.: 6.209 min
Delta R.T.: -0.004 min
Response: 21673806
Conc: 65.27 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-B3-DUP		SDG No.:	O3649	
Lab Sample ID:	O3649-05		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	87.9	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062364.D	1	07/18/23 09:10	07/18/23 20:39	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	4.10	U	4.10	19.3	ug/kg
11104-28-2	Aroclor-1221	6.70	U	6.70	19.3	ug/kg
11141-16-5	Aroclor-1232	5.10	U	5.10	19.3	ug/kg
53469-21-9	Aroclor-1242	3.60	U	3.60	19.3	ug/kg
12672-29-6	Aroclor-1248	3.20	U	3.20	19.3	ug/kg
11097-69-1	Aroclor-1254	4.30	U	4.30	19.3	ug/kg
37324-23-5	Aroclor-1262	3.10	U	3.10	19.3	ug/kg
11100-14-4	Aroclor-1268	3.70	U	3.70	19.3	ug/kg
11096-82-5	Aroclor-1260	28.0		3.80	19.3	ug/kg
Total PCBs	Total PCBs	28.0		3.80	19.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	27.3		40 - 162	137%	SPK: 20
2051-24-3	Decachlorobiphenyl	32.3		32 - 176	162%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062364.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 20:39
 Operator : YP\AJ
 Sample : 03649-05
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-B3-DUP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:57:12 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	119.9E6	68489572	24.576	27.296
2) SA Decachlor...	8.581	7.523	107.6E6	107.7E6	29.631m	32.318m
Target Compounds						
31) L7 AR-1260-1	6.061	5.172	12304098	10384069	52.151m	62.347m
32) L7 AR-1260-2	6.319	5.359	21659630	16925723	74.995	81.395m
33) L7 AR-1260-3	6.674	5.499	17376887	14061053	98.410	72.272m#
34) L7 AR-1260-4	6.890	5.962	9788256	11177418	46.467m	76.630 #
35) L7 AR-1260-5	7.203	6.209	29751488	25514217	72.457m	76.836

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062364.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 20:39
Operator : YP\AJ
Sample : 03649-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :

ECD_Q

ClientSampleId :

X182-B3-DUP

Manual Integrations

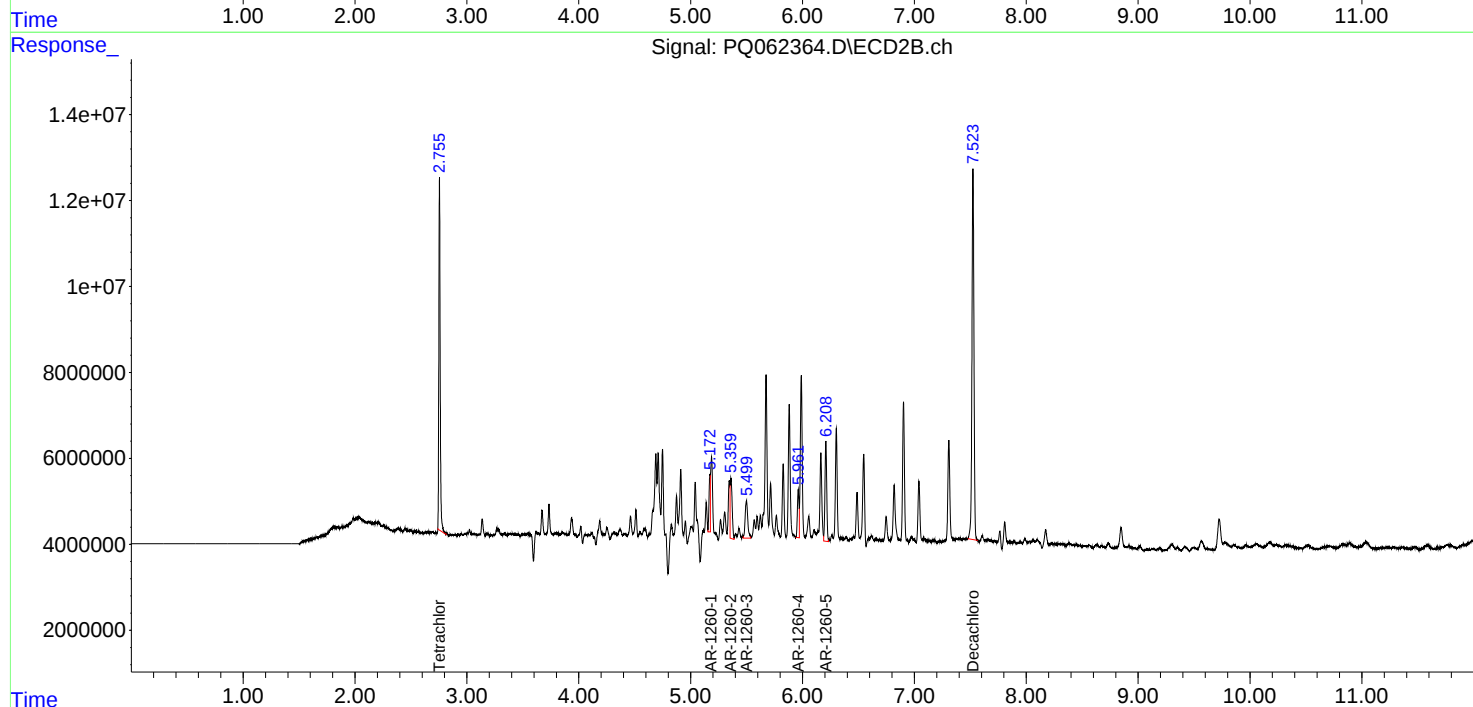
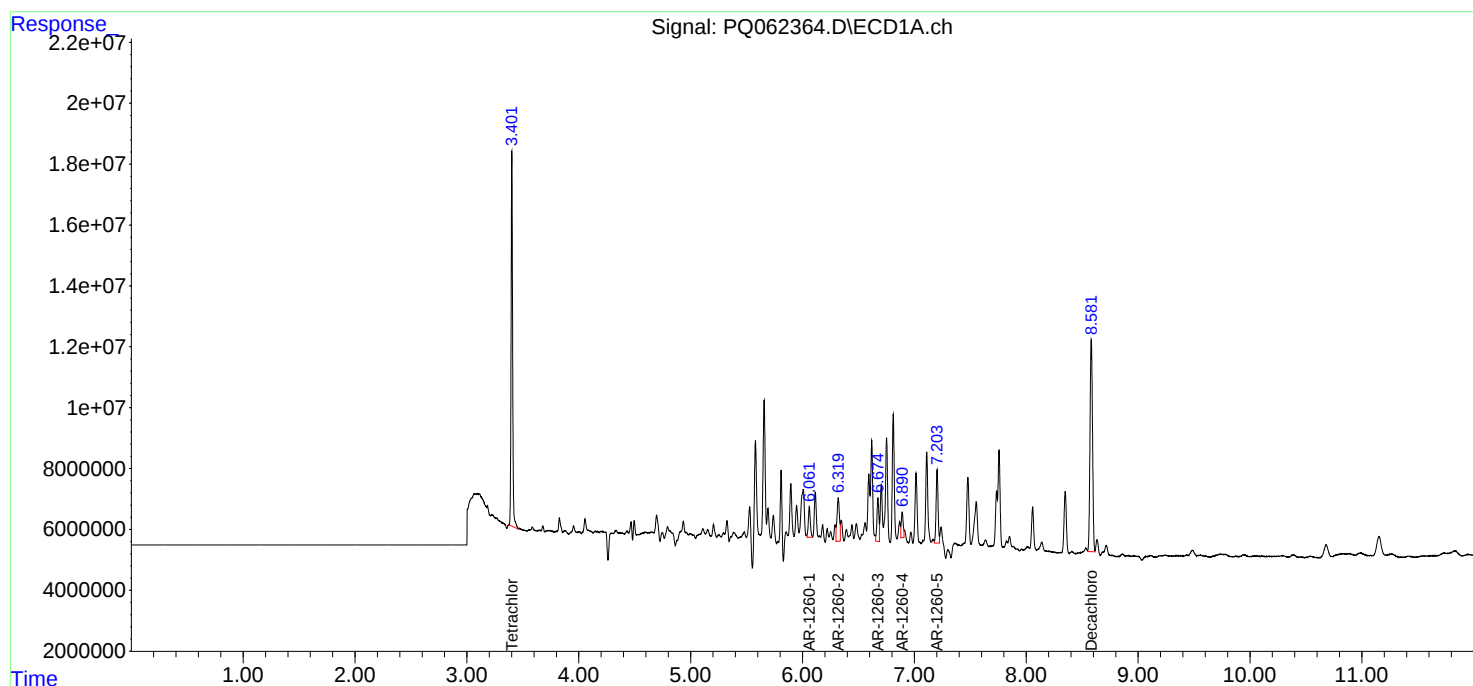
APPROVED

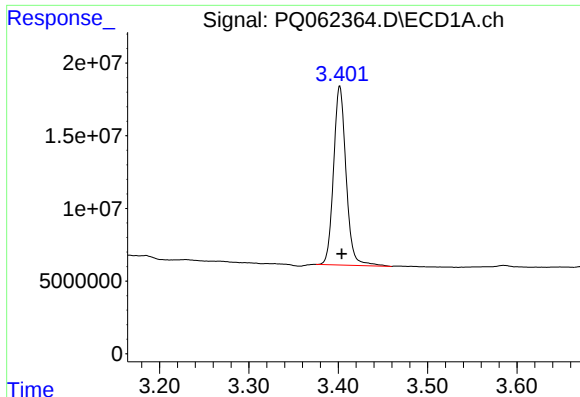
Reviewed By :Yogesh Patel 07/19/2023

Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:57:12 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





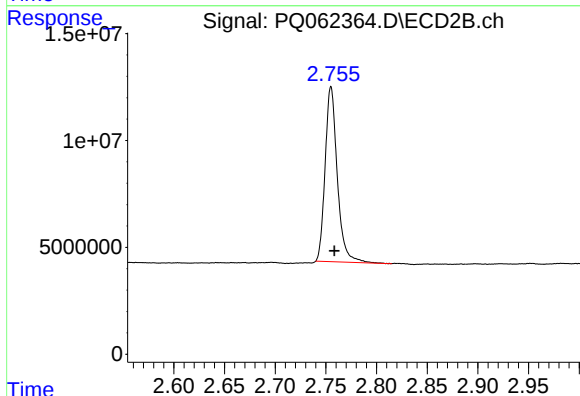
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 119887912
Conc: 24.58 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3-DUP

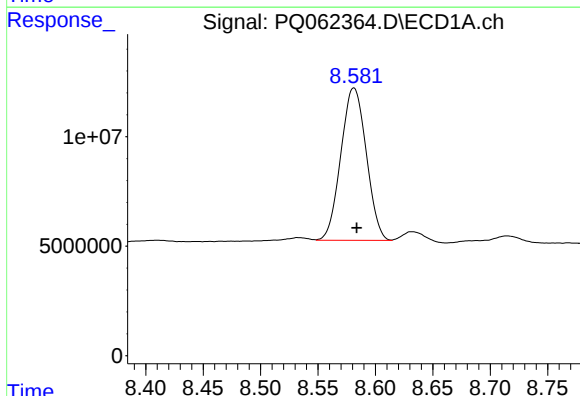
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



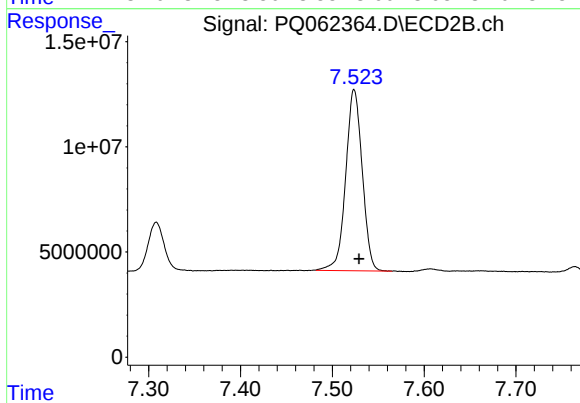
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.004 min
Response: 68489572
Conc: 27.30 ng/ml



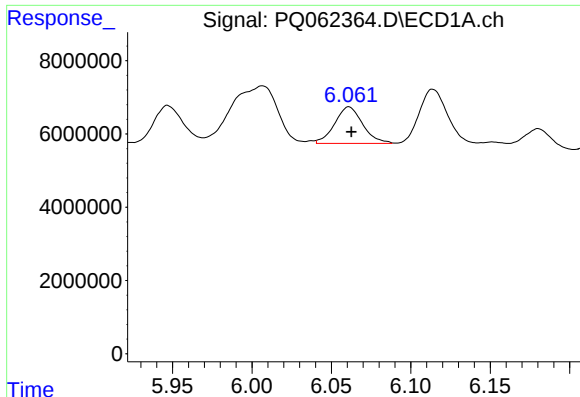
#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.003 min
Response: 107641763
Conc: 29.63 ng/ml m



#2 Decachlorobiphenyl

R.T.: 7.523 min
Delta R.T.: -0.006 min
Response: 107689689
Conc: 32.32 ng/ml m



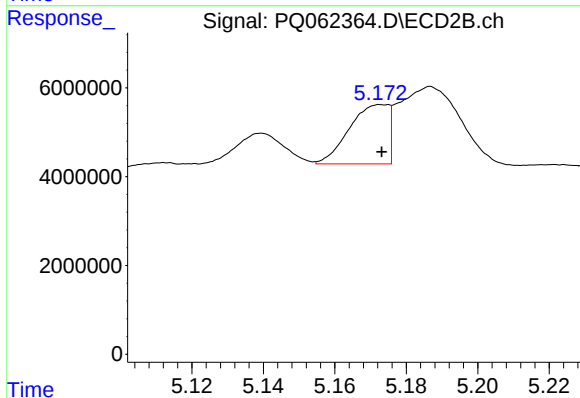
#31 AR-1260-1

R.T.: 6.061 min
Delta R.T.: -0.002 min
Response: 12304098
Conc: 52.15 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3-DUP

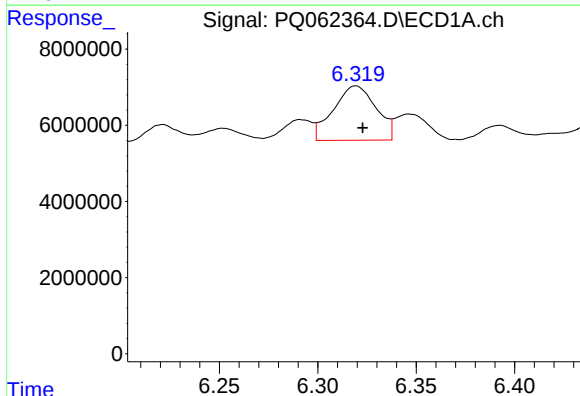
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



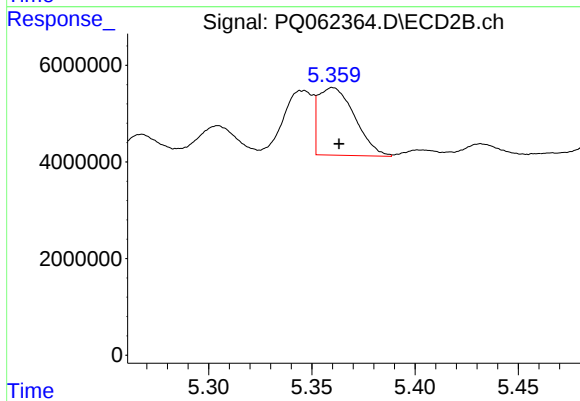
#31 AR-1260-1

R.T.: 5.172 min
Delta R.T.: -0.001 min
Response: 10384069
Conc: 62.35 ng/ml m



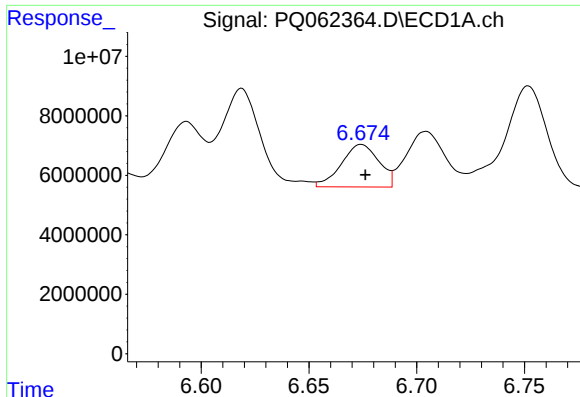
#32 AR-1260-2

R.T.: 6.319 min
Delta R.T.: -0.004 min
Response: 21659630
Conc: 75.00 ng/ml



#32 AR-1260-2

R.T.: 5.359 min
Delta R.T.: -0.004 min
Response: 16925723
Conc: 81.39 ng/ml m



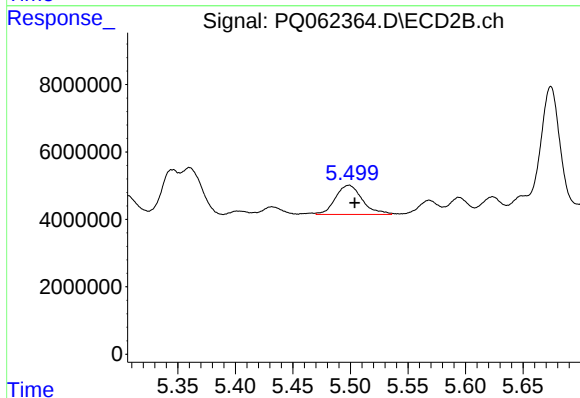
#33 AR-1260-3

R.T.: 6.674 min
Delta R.T.: -0.002 min
Response: 17376887
Conc: 98.41 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3-DUP

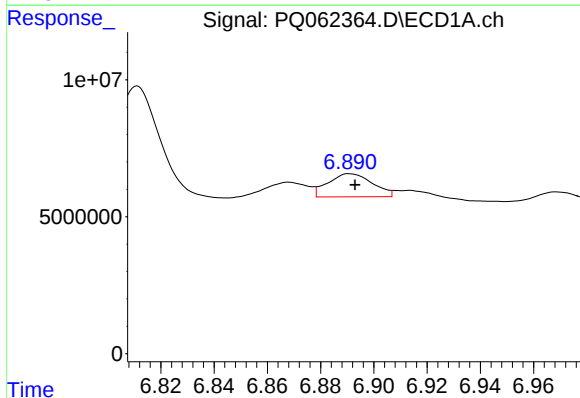
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



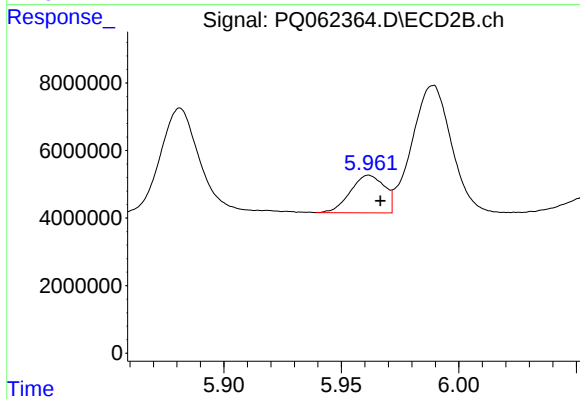
#33 AR-1260-3

R.T.: 5.499 min
Delta R.T.: -0.005 min
Response: 14061053
Conc: 72.27 ng/ml m



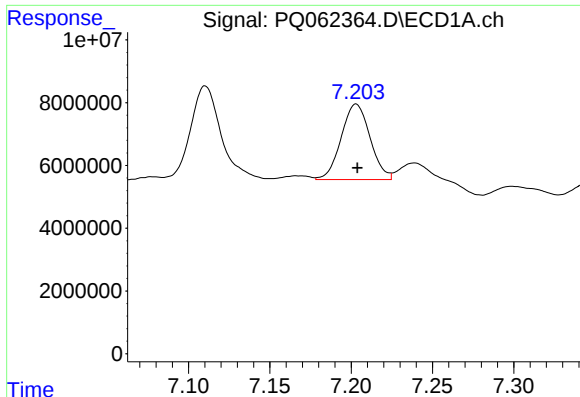
#34 AR-1260-4

R.T.: 6.890 min
Delta R.T.: -0.003 min
Response: 9788256
Conc: 46.47 ng/ml m



#34 AR-1260-4

R.T.: 5.962 min
Delta R.T.: -0.005 min
Response: 11177418
Conc: 76.63 ng/ml



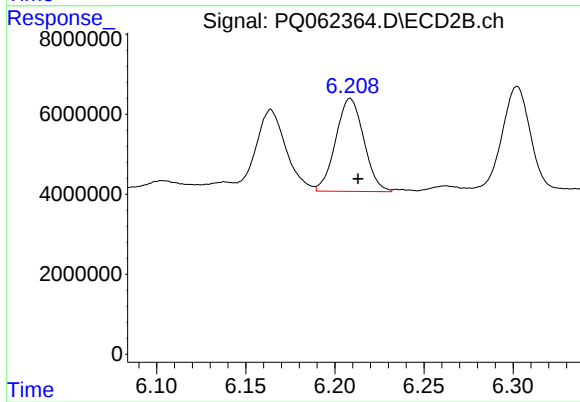
#35 AR-1260-5

R.T.: 7.203 min
Delta R.T.: -0.001 min
Response: 29751488
Conc: 72.46 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-B3-DUP

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



#35 AR-1260-5

R.T.: 6.209 min
Delta R.T.: -0.004 min
Response: 25514217
Conc: 76.84 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/17/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	X182-S4		SDG No.:	O3649	
Lab Sample ID:	O3649-06		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	93.2	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062365.D	1	07/18/23 09:10	07/18/23 20:54	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.80	U	3.80	18.2	ug/kg
11104-28-2	Aroclor-1221	6.30	U	6.30	18.2	ug/kg
11141-16-5	Aroclor-1232	4.80	U	4.80	18.2	ug/kg
53469-21-9	Aroclor-1242	3.30	U	3.30	18.2	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	18.2	ug/kg
11097-69-1	Aroclor-1254	4.00	U	4.00	18.2	ug/kg
37324-23-5	Aroclor-1262	2.90	U	2.90	18.2	ug/kg
11100-14-4	Aroclor-1268	3.50	U	3.50	18.2	ug/kg
11096-82-5	Aroclor-1260	18.7		3.60	18.2	ug/kg
Total PCBs	Total PCBs	18.7		3.60	18.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		40 - 162	95%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 176	87%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 20:54
 Operator : YP\AJ
 Sample : 03649-06
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 X182-S4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:57:39 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	83087022	47869118	17.032	19.078
2) SA Decachlor...	8.581	7.524	57254899	57986289	15.761m	17.402m
Target Compounds						
31) L7 AR-1260-1	6.060	5.171	9686080	8899042	41.055m	53.431m#
32) L7 AR-1260-2	6.319	5.360	14655859	13783050	50.745	66.282m#
33) L7 AR-1260-3	6.674	5.496	10466321	10351538	59.274	53.205m
34) L7 AR-1260-4	6.892	5.961	5685266	6633586	26.989m	45.479 #
35) L7 AR-1260-5	7.202	6.208	15445912	14421063	37.617m	43.429

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 20:54
Operator : YP\AJ
Sample : 03649-06
Misc :
ALS Vial : 34 Sample Multiplier: 1

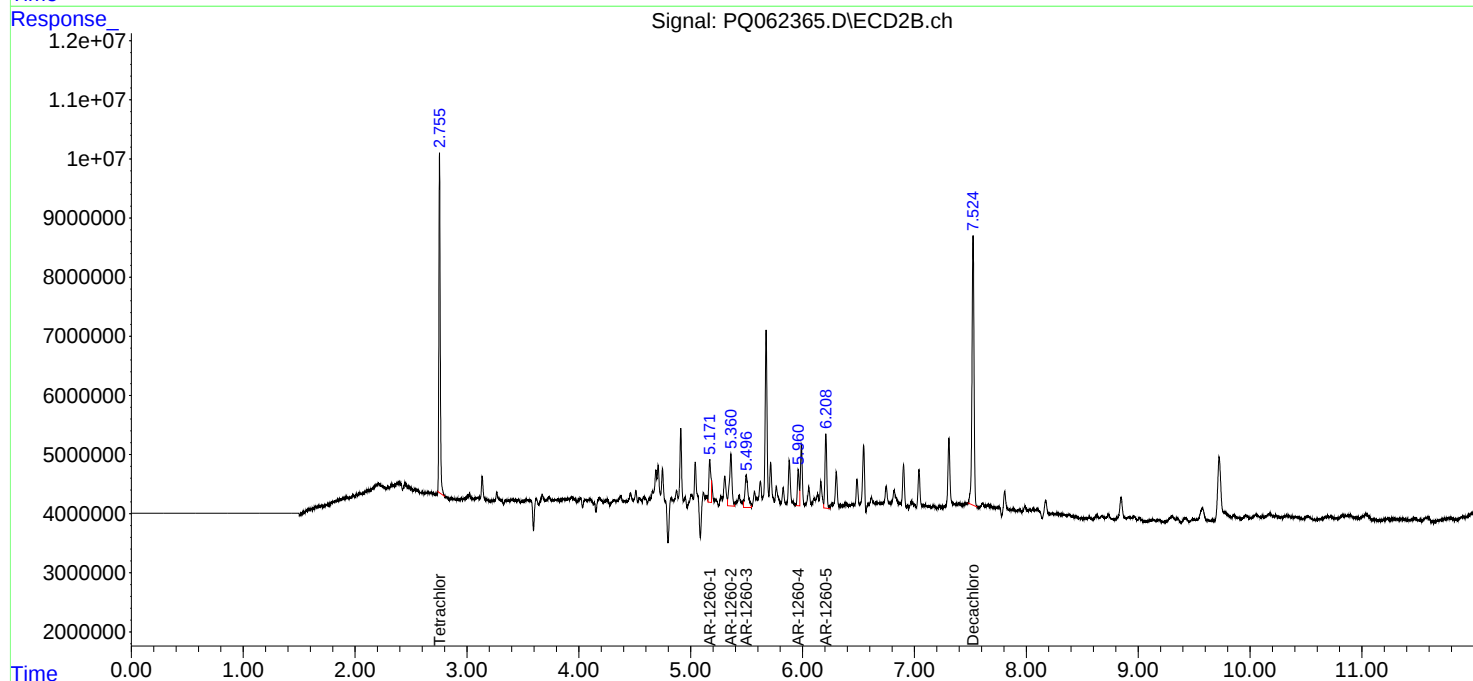
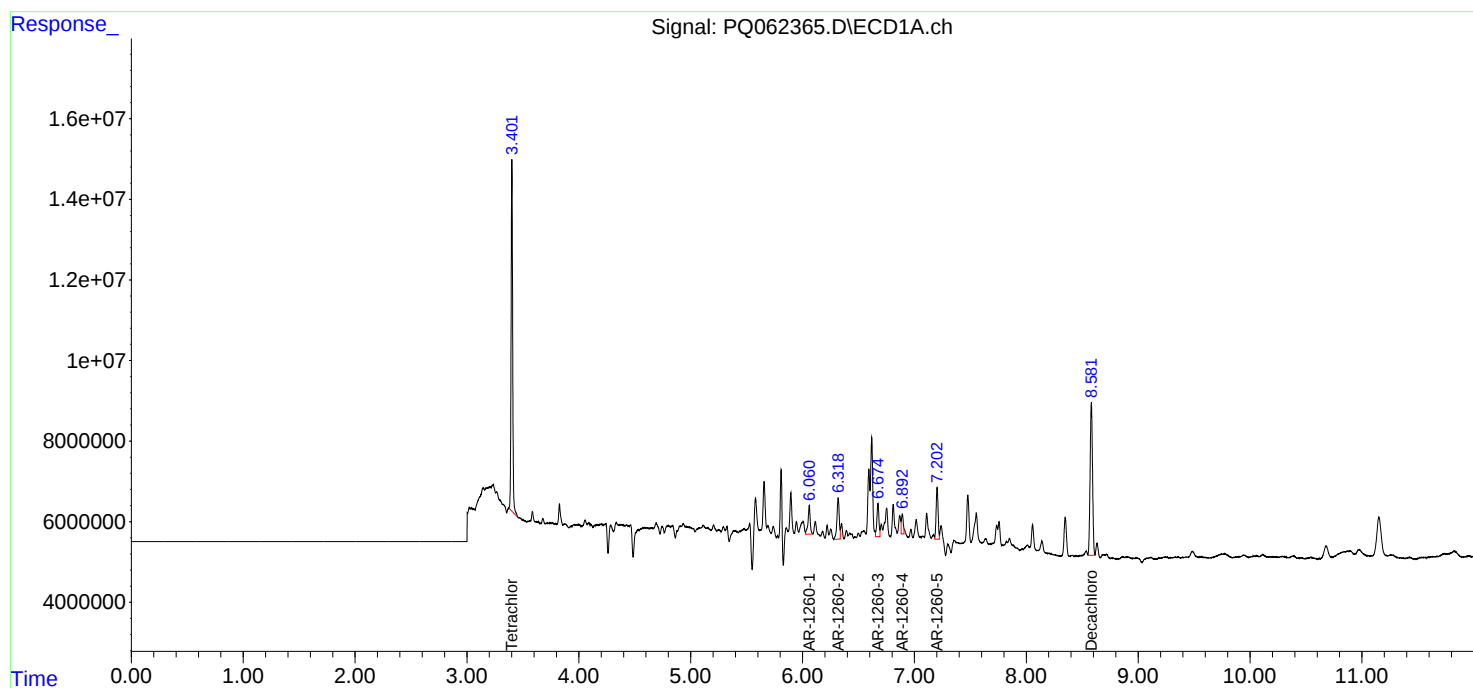
Instrument :
ECD_Q
ClientSampleId :
X182-S4

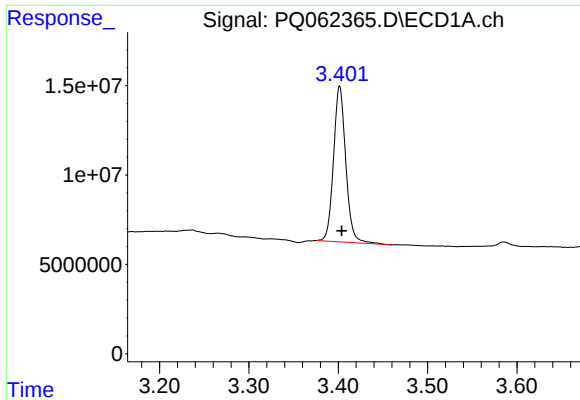
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:57:39 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





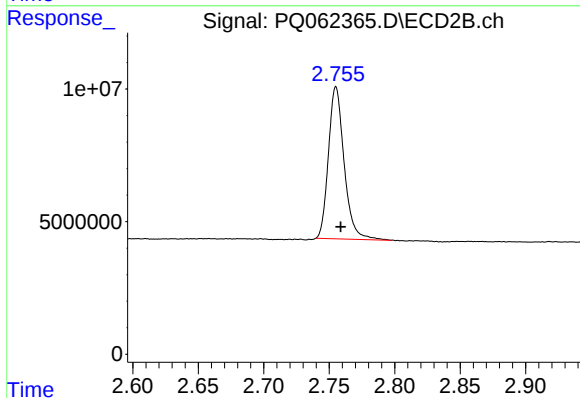
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 83087022
Conc: 17.03 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S4

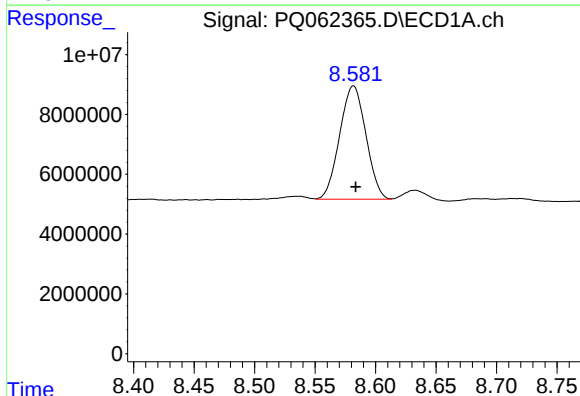
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



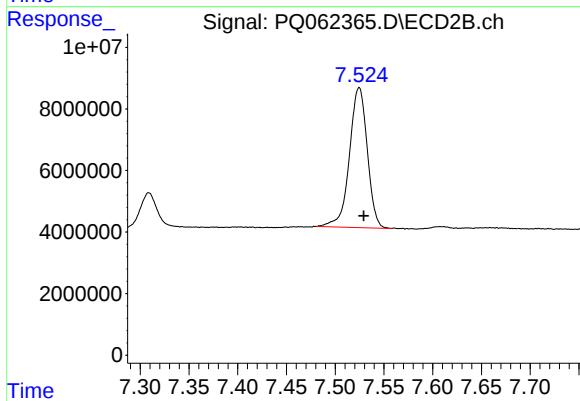
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.003 min
Response: 47869118
Conc: 19.08 ng/ml



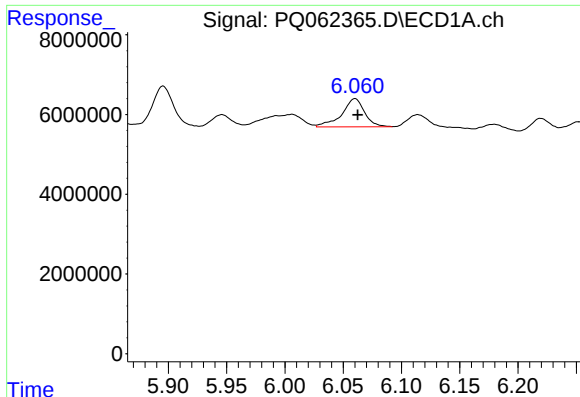
#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.002 min
Response: 57254899
Conc: 15.76 ng/ml m



#2 Decachlorobiphenyl

R.T.: 7.524 min
Delta R.T.: -0.005 min
Response: 57986289
Conc: 17.40 ng/ml m



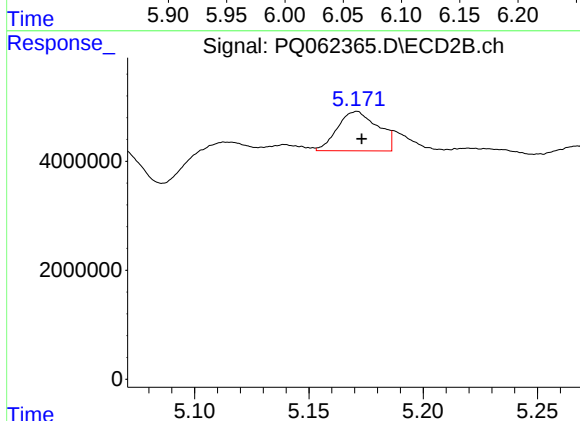
#31 AR-1260-1

R.T.: 6.060 min
Delta R.T.: -0.003 min
Response: 9686080
Conc: 41.05 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S4

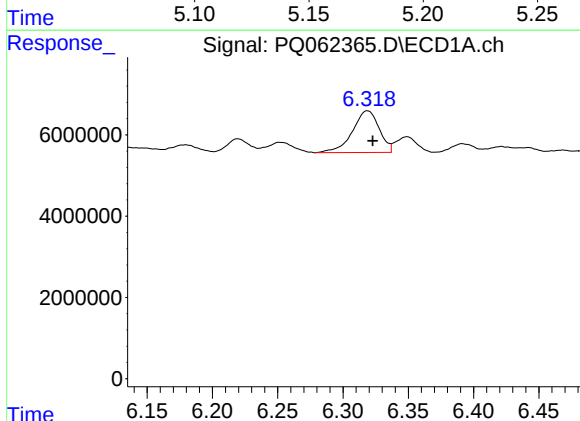
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



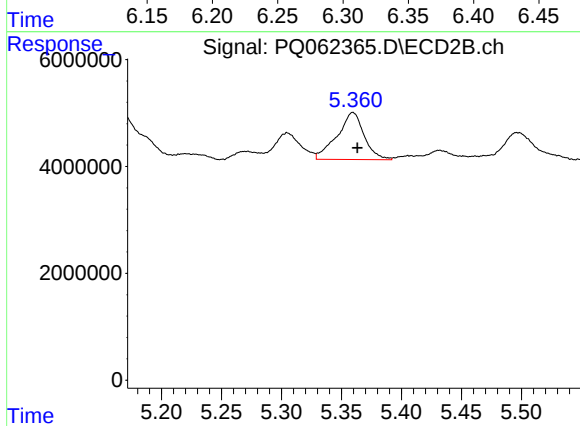
#31 AR-1260-1

R.T.: 5.171 min
Delta R.T.: -0.003 min
Response: 8899042
Conc: 53.43 ng/ml m



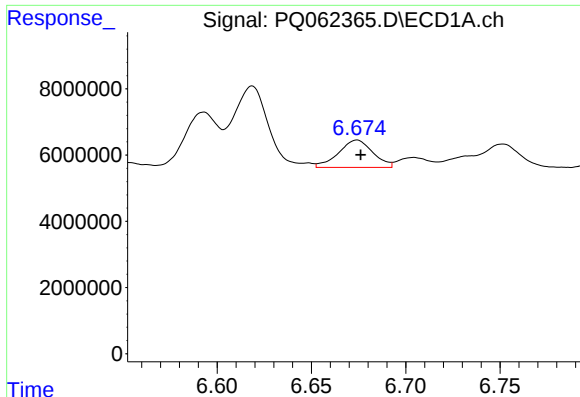
#32 AR-1260-2

R.T.: 6.319 min
Delta R.T.: -0.004 min
Response: 14655859
Conc: 50.75 ng/ml



#32 AR-1260-2

R.T.: 5.360 min
Delta R.T.: -0.004 min
Response: 13783050
Conc: 66.28 ng/ml m



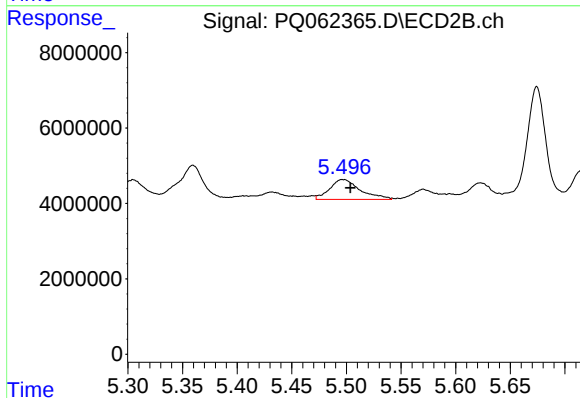
#33 AR-1260-3

R.T.: 6.674 min
Delta R.T.: -0.002 min
Response: 10466321
Conc: 59.27 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S4

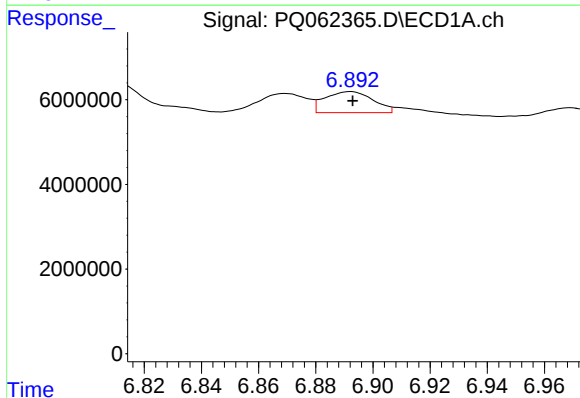
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



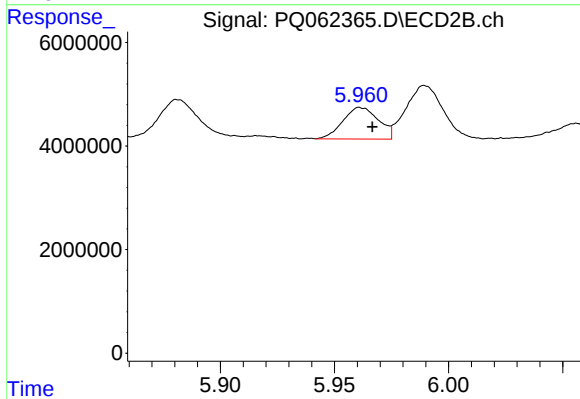
#33 AR-1260-3

R.T.: 5.496 min
Delta R.T.: -0.008 min
Response: 10351538
Conc: 53.21 ng/ml m



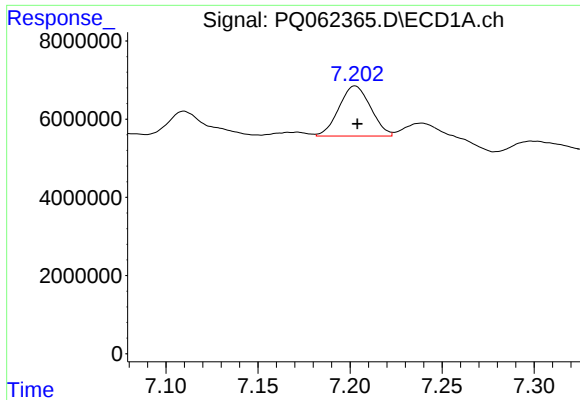
#34 AR-1260-4

R.T.: 6.892 min
Delta R.T.: -0.001 min
Response: 5685266
Conc: 26.99 ng/ml m



#34 AR-1260-4

R.T.: 5.961 min
Delta R.T.: -0.006 min
Response: 6633586
Conc: 45.48 ng/ml



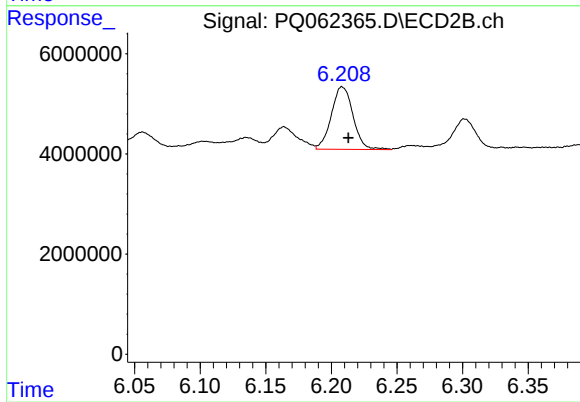
#35 AR-1260-5

R.T.: 7.202 min
Delta R.T.: -0.002 min
Response: 15445912
Conc: 37.62 ng/ml

Instrument :
ECD_Q
ClientSampleId :
X182-S4

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



#35 AR-1260-5

R.T.: 6.208 min
Delta R.T.: -0.005 min
Response: 14421063
Conc: 43.43 ng/ml

CALIBRATION SUMMARY

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

LAB FILE ID:	RT 1000 =	<u>PQ061835.D</u>	RT 750 =	<u>PQ061836.D</u>
RT 500 =	PQ061837.D	RT 250 =	PQ061838.D	RT 050 =
			PQ061839.D	

[illegible]

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	ATCE02						
Lab Code:	CHEM	Case No.:	O3649	SAS No.:	O3649	SDG NO.:	O3649
Instrument ID:	ECD_Q	Calibration Date(s):		07/01/2023	07/01/2023		
		Calibration Times:		03:04	09:39		

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

LAB FILE ID:	RT 1000 =	<u>PQ061835.D</u>	RT 750 =	<u>PQ061836.D</u>
	RT 500 =	PO061837.D	RT 250 =	PO061838.D
			RT 050 =	PO061839.D

[illegible]

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Instrument ID: ECD_Q
Calibration Date(s): 07/01/2023 07/01/2023
Calibration Times: 03:04 09:39GC Column: ZB-MR1 ID: 0.32 (mm)

LAB FILE ID: CF 1000 = <u>PQ061835.D</u> CF 750 = <u>PQ061836.D</u> CF 500 = <u>PQ061837.D</u> CF 250 = <u>PQ061838.D</u> CF 050 = <u>PQ061839.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	165606472	168587108	168279828	173074120	148042080	6
Aroclor-1016-2	(2)	247560975	249293749	253818164	255974056	229694860	4
Aroclor-1016-3	(3)	150077294	151886135	155061318	159342292	145661180	3
Aroclor-1016-4	(4)	124334874	126646800	127062662	128148620	120533360	2
Aroclor-1016-5	(5)	119371211	120721977	123605514	127074876	117810760	3
Aroclor-1260-1	(1)	231814227	235194988	240387124	246556300	225705360	3
Aroclor-1260-2	(2)	279196652	283551855	291520792	302056716	287736360	3
Aroclor-1260-3	(3)	173388700	176639817	179706544	182823904	170323020	3
Aroclor-1260-4	(4)	210284099	210424784	214539528	217817712	200182560	3
Aroclor-1260-5	(5)	412460898	413449515	416848222	422145980	388140340	3
Decachlorobiphenyl		3560536330	3598491653	3708541760	3812346240	3483867600	4
Tetrachloro-m-xylene		4971885790	5007263680	5010988940	4997077760	4403745600	5
Aroclor-1242-1	(1)	124524411	126682077	133440674	140965868	127907400	5
Aroclor-1242-2	(2)	184136155	188234016	198320918	205515132	194485600	4
Aroclor-1242-3	(3)	113505199	115500193	122524800	127344280	125346160	5
Aroclor-1242-4	(4)	93901035	95558696	100364786	103374896	94229320	4
Aroclor-1242-5	(5)	95677681	97879572	101772924	102714020	80606100	9
Decachlorobiphenyl		3533771350	3610739173	3802574500	3962058280	3805163600	5
Tetrachloro-m-xylene		4950194780	5004502187	5187781380	5287630280	4912333200	3
Aroclor-1248-1	(1)	101532881	103687529	108736062	112130504	93806240	7
Aroclor-1248-2	(2)	134889130	139425571	147651332	153806584	142537960	5
Aroclor-1248-3	(3)	164978029	170853717	179018774	187073532	166639960	5
Aroclor-1248-4	(4)	185288890	189404373	199301686	204440340	181217120	5
Aroclor-1248-5	(5)	180028262	184065977	192382298	197077708	152056120	10
Decachlorobiphenyl		3664865420	3781469267	3950746120	4071747840	3769946600	4
Tetrachloro-m-xylene		5090313230	5180775573	5376645620	5365159400	4583519000	6
Aroclor-1254-1	(1)	174947235	182221152	189004822	201060728	181872800	5
Aroclor-1254-2	(2)	272892699	284048927	295200784	312967580	288454940	5
Aroclor-1254-3	(3)	291946447	302580463	313643486	329864396	297666480	5
Aroclor-1254-4	(4)	218598125	226803107	234355736	246201544	235006600	4
Aroclor-1254-5	(5)	246047511	255897805	263067528	274909848	244428160	5
Decachlorobiphenyl		3513306230	3668168107	3822823440	4035338440	3590789200	6
Tetrachloro-m-xylene		4921362040	5059775373	5165316320	5320773480	4580343800	6
Aroclor-1268-1	(1)	531388133	566293227	576692258	604194540	558824420	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	480782556	512147229	521329926	541591684	493512160	509872711	5
Aroclor-1268-3	(3)	403398958	426826568	435636530	454506476	413495000	426772706	5
Aroclor-1268-4	(4)	170693328	182408305	187404518	195352812	179066320	182985057	5
Aroclor-1268-5	(5)	1210434141	1274612009	1285398726	1327423944	1205895980	1260752960	4
Decachlorobiphenyl		5706612520	6040381307	6203210740	6528972000	6022348400	6100304993	5
Tetrachloro-m-xylene		4440312980	4976652440	5029655640	5154754000	4574560600	4835187132	6

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Instrument ID: ECD_Q
Calibration Date(s): 07/01/2023 07/01/2023
Calibration Times: 03:04 09:39GC Column: ZB-MR2 ID: 0.32 (mm)

LAB FILE ID:		CF 1000 = <u>PQ061835.D</u>		CF 750 = <u>PQ061836.D</u>			
CF 500 = <u>PQ061837.D</u>		CF 250 = <u>PQ061838.D</u>		CF 050 = <u>PQ061839.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	95059022	100157919	99799326	105174560	94686200	98975405
Aroclor-1016-2	(2)	140213069	146382796	145788530	149864596	138745900	144198978
Aroclor-1016-3	(3)	74786721	75833213	78160364	80901460	67531680	75442688
Aroclor-1016-4	(4)	63418735	64095188	68213824	70076988	62590960	65679139
Aroclor-1016-5	(5)	78296673	79238107	84420330	87299528	80653440	81981616
Aroclor-1260-1	(1)	161890943	164359937	167452506	174667128	164395480	166553199
Aroclor-1260-2	(2)	201684425	202946975	205146426	212979324	216973060	207946042
Aroclor-1260-3	(3)	191493597	193267276	193234216	199942564	194855680	194558667
Aroclor-1260-4	(4)	143361581	144799459	146642604	151842772	142661280	145861539
Aroclor-1260-5	(5)	331016196	331550343	341865748	339399112	316463560	332058992
Decachlorobiphenyl		3244904370	3282789987	3379152400	3447802080	3306245600	3332178887
Tetrachloro-m-xylene		2594635550	2551389520	2556156360	2576840440	2266505800	2509105534
Aroclor-1242-1	(1)	73698107	74437112	79858234	80347240	78354680	77339075
Aroclor-1242-2	(2)	108257772	107835555	112148394	116909188	110642440	111158670
Aroclor-1242-3	(3)	57751145	56938439	60424816	62094336	55671540	58576055
Aroclor-1242-4	(4)	55063545	55221313	59163236	62162688	61530100	58628176
Aroclor-1242-5	(5)	78281292	78798571	85166684	87316496	84900040	82892617
Decachlorobiphenyl		3229344350	3289877853	3455487080	3591382080	3447112400	3402640753
Tetrachloro-m-xylene		2528835730	2565765880	2677311680	2755265760	2475753000	2600586410
Aroclor-1248-1	(1)	60440678	61539253	64431884	68004820	58185180	62520363
Aroclor-1248-2	(2)	89666096	90573249	99854226	100027184	88723080	93768767
Aroclor-1248-3	(3)	86657239	87438648	95906086	96140928	86575700	90543720
Aroclor-1248-4	(4)	107902999	109888035	117922082	120961700	107522420	112839447
Aroclor-1248-5	(5)	109111515	110888256	116446744	118957708	104758760	112032597
Decachlorobiphenyl		3342610600	3429675080	3552526200	3654544480	3358565400	3467584352
Tetrachloro-m-xylene		2678444770	2696577307	2804395640	2821488920	2377414200	2675664167
Aroclor-1254-1	(1)	151435820	159158548	165411510	173122860	158185340	161462816
Aroclor-1254-2	(2)	137765424	144324716	151964748	159613020	142455180	147224618
Aroclor-1254-3	(3)	223111474	230822475	238332084	248809572	227429620	233701045
Aroclor-1254-4	(4)	144872408	150280927	154715092	162566192	149636640	152414252
Aroclor-1254-5	(5)	222142384	229320547	236798280	245922724	219797940	230796375
Decachlorobiphenyl		3224437400	3348442893	3455695460	3635268600	3249297200	3382628311
Tetrachloro-m-xylene		2568073960	2671571387	2735483240	2796189240	2386017000	2631466965
Aroclor-1268-1	(1)	433587545	470156204	480606830	499635636	468700980	470537439

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	394473975	427250947	436152456	450464948	410168000	423702065	5
Aroclor-1268-3	(3)	341277649	368810072	377986076	392360544	361163780	368319624	5
Aroclor-1268-4	(4)	146834989	160380248	163835508	170793916	157836920	159936316	6
Aroclor-1268-5	(5)	1093539582	1185840700	1196216218	1241444432	1117723940	1166952974	5
Decachlorobiphenyl		5085668100	5517473467	5647781640	5933945560	5533657000	5543705153	6
Tetrachloro-m-xylene		2291736150	2609303413	2671391600	2725314320	2333966400	2526342377	8



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

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Instrument ID: ECD_Q Date(s) Analyzed: 07/01/2023 07/01/2023GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.61	3.51	3.71	60107800
		2	3.68	3.58	3.78	44932600
		3	3.75	3.65	3.85	140518000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.75	3.65	3.85	105601000
		2	4.25	4.15	4.35	59151200
		3	4.52	4.42	4.62	113081000
		4	4.67	4.57	4.77	56666400
		5	4.77	4.67	4.87	40050000
Aroclor-1262	500	1	6.68	6.58	6.78	304942000
		2	7.20	7.10	7.30	526714000
		3	7.48	7.38	7.58	352304000
		4	7.55	7.45	7.65	266720000
		5	8.06	7.96	8.16	177509000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: ATCE02

Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649

Instrument ID: ECD_Q Date(s) Analyzed: 07/01/2023 07/01/2023

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	2.96	2.86	3.06	32996600
		2	3.04	2.94	3.14	25400000
		3	3.11	3.01	3.21	77090800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.11	3.01	3.21	57298600
		2	3.78	3.68	3.88	66555000
		3	3.94	3.84	4.04	34555000
		4	4.02	3.92	4.12	29739800
		5	4.18	4.08	4.28	35660800
Aroclor-1262	500	1	5.72	5.62	5.82	232472000
		2	5.97	5.87	6.07	216208000
		3	6.49	6.39	6.59	174328000
		4	6.55	6.45	6.65	322294000
		5	7.04	6.94	7.14	155115000

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061835.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 03:04
 Operator : YP\AJ
 Sample : AR1660ICC1000
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 06:10:20 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 06:10:11 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.405	2.759	497.2E6	259.5E6	99.608	100.747
2) SA Decachlor...	8.584	7.529	356.1E6	324.5E6	97.964	97.973
Target Compounds						
3) L1 AR-1016-1	4.505	3.761	165.6E6	95059022	991.993	975.673
4) L1 AR-1016-2	4.524	3.776	247.6E6	140.2E6	987.520	980.505
5) L1 AR-1016-3	4.582	3.936	150.1E6	74786721	983.666	977.942
6) L1 AR-1016-4	4.673	3.985	124.3E6	63418735	989.150	963.572
7) L1 AR-1016-5	4.960	4.180	119.4E6	78296673	982.573	962.366
31) L7 AR-1260-1	6.063	5.173	231.8E6	161.9E6	981.845	983.113
32) L7 AR-1260-2	6.323	5.364	279.2E6	201.7E6	978.406	991.490
33) L7 AR-1260-3	6.676	5.505	173.4E6	191.5E6	982.107	995.476
34) L7 AR-1260-4	6.894	5.967	210.3E6	143.4E6	989.983	988.686
35) L7 AR-1260-5	7.205	6.213	412.5E6	331.0E6	994.710	983.876

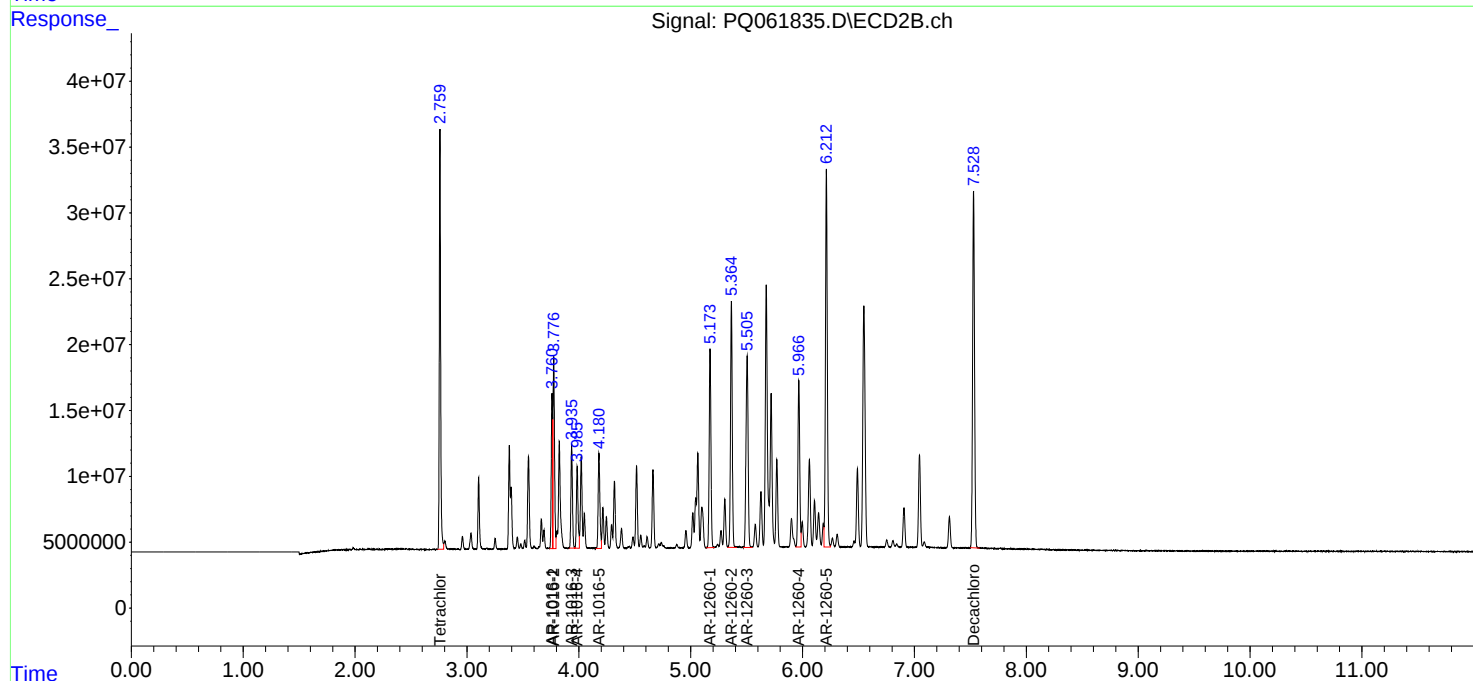
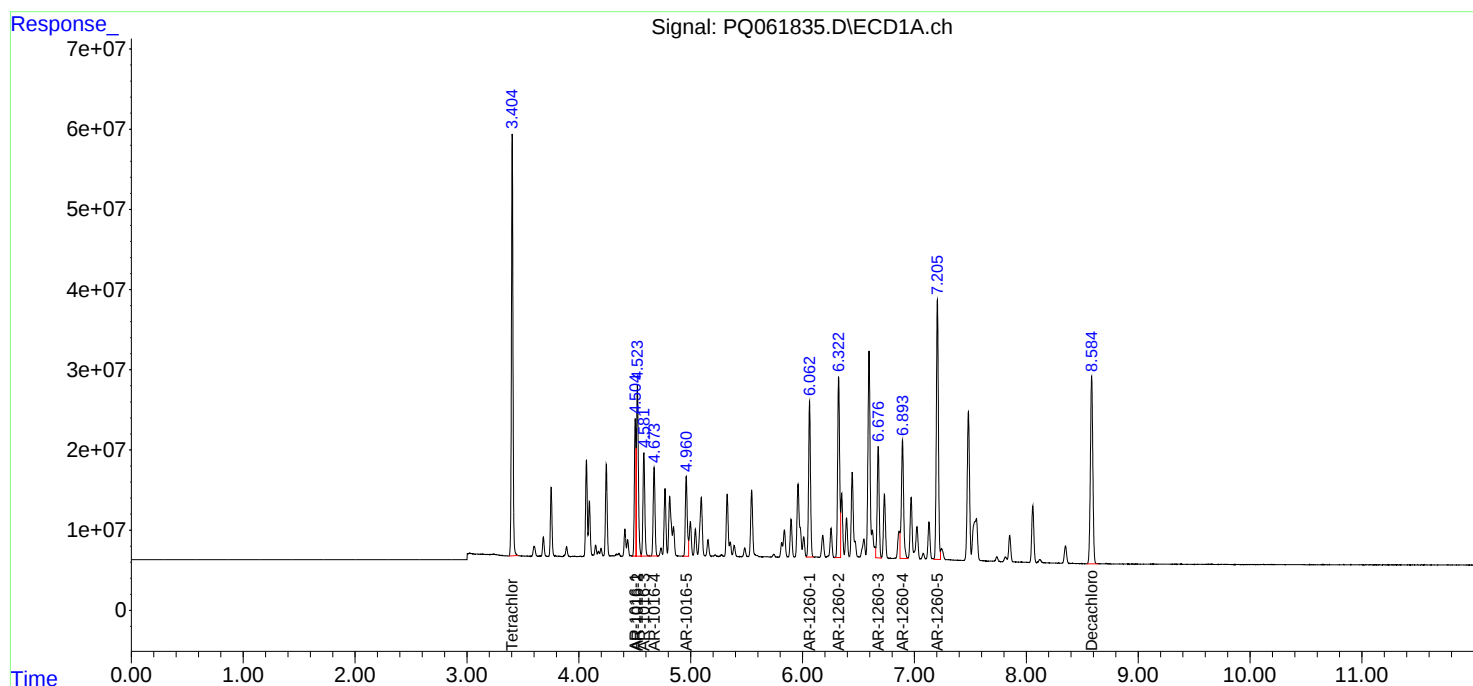
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061835.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 03:04
Operator : YP\AJ
Sample : AR1660ICC1000
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 06:10:20 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 06:10:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061836.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 03:18
 Operator : YP\AJ
 Sample : AR1660ICC750
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 06:12:27 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 06:12:20 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.405	2.759	375.5E6	191.4E6	75.158	74.532
2)	SA Decachlor...	8.585	7.529	269.9E6	246.2E6	74.502	74.557
Target Compounds							
3)	L1 AR-1016-1	4.505	3.761	126.4E6	75118439	754.908	763.874
4)	L1 AR-1016-2	4.524	3.776	187.0E6	109.8E6	747.211	761.733
5)	L1 AR-1016-3	4.581	3.936	113.9E6	56874910	747.758	745.802
6)	L1 AR-1016-4	4.673	3.985	94985100	48071391	753.762	736.810
7)	L1 AR-1016-5	4.961	4.180	90541483	59428580	746.839	736.855
31)	L7 AR-1260-1	6.063	5.173	176.4E6	123.3E6	748.080	749.053
32)	L7 AR-1260-2	6.323	5.363	212.7E6	152.2E6	746.827	748.848
33)	L7 AR-1260-3	6.676	5.504	132.5E6	145.0E6	750.261	752.344
34)	L7 AR-1260-4	6.893	5.966	157.8E6	108.6E6	745.308	749.301
35)	L7 AR-1260-5	7.205	6.212	310.1E6	248.7E6	748.546	742.696

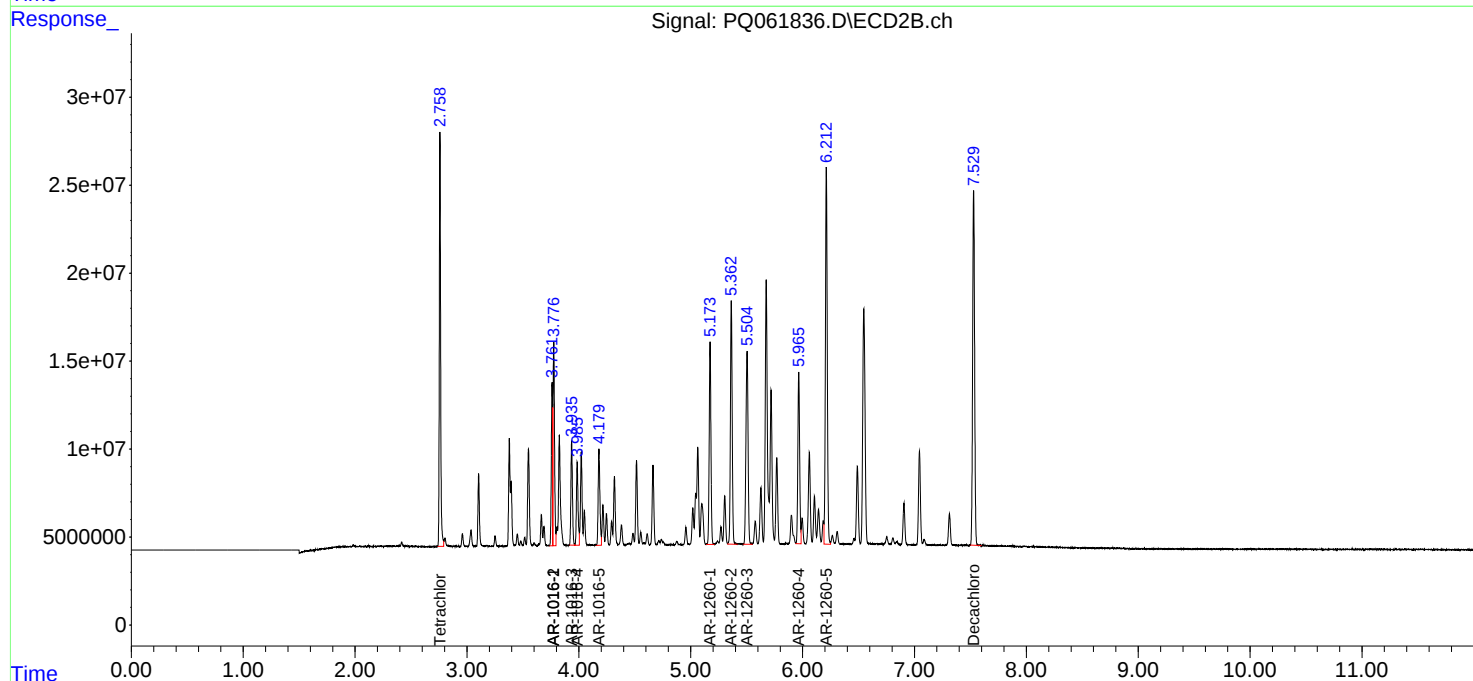
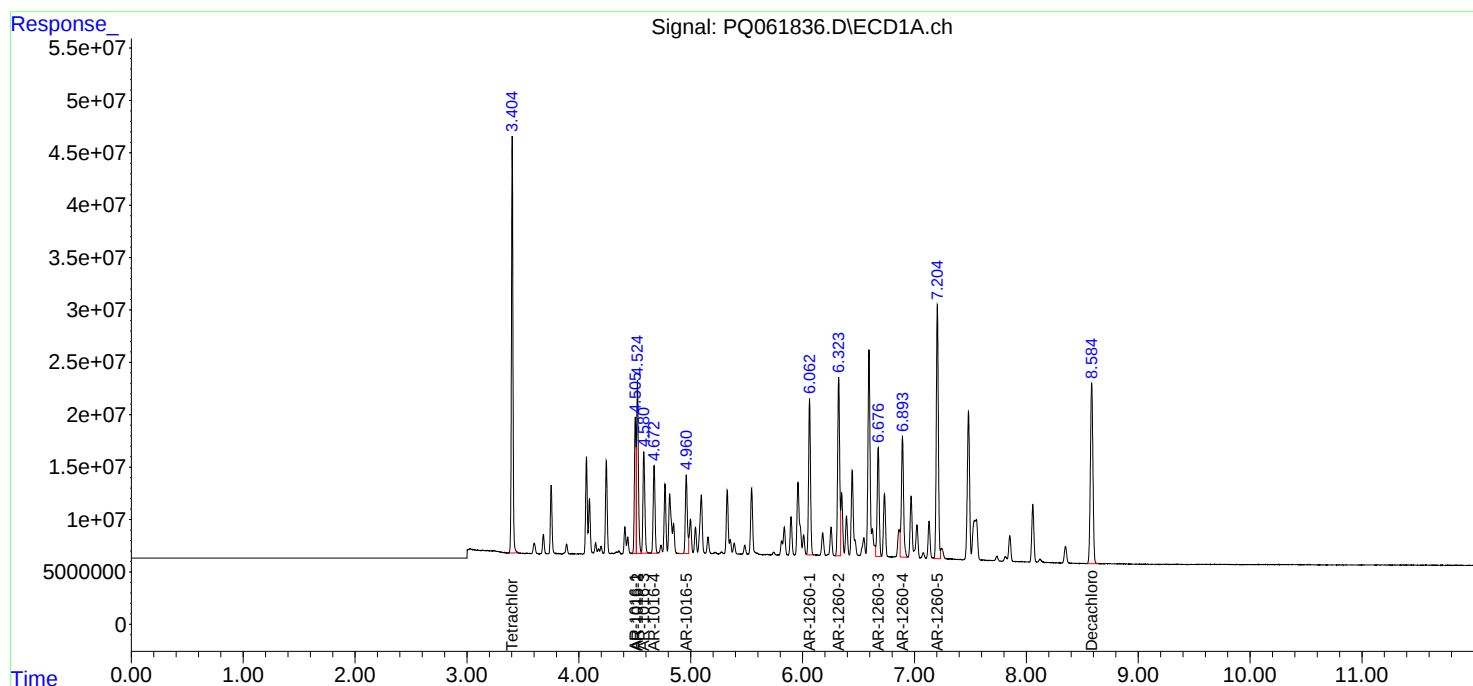
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 03:18
Operator : YP\AJ
Sample : AR1660ICC750
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 06:12:27 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 06:12:20 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061837.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 03:33
 Operator : YP\AJ
 Sample : AR1660ICC500
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 05:50:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 05:48:16 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	250.5E6	127.8E6	50.000	50.000
2)	SA Decachlor...	8.584	7.529	185.4E6	169.0E6	50.000	50.000
Target Compounds							
3)	L1 AR-1016-1	4.504	3.761	84139914	49899663	500.000	500.000
4)	L1 AR-1016-2	4.524	3.776	126.9E6	72894265	500.000	500.000
5)	L1 AR-1016-3	4.581	3.936	77530659	39080182	500.000	500.000
6)	L1 AR-1016-4	4.673	3.986	63531331	34106912	500.000	500.000
7)	L1 AR-1016-5	4.960	4.180	61802757	42210165	500.000	500.000
31)	L7 AR-1260-1	6.063	5.173	120.2E6	83726253	500.000	500.000
32)	L7 AR-1260-2	6.323	5.363	145.8E6	102.6E6	500.000	500.000
33)	L7 AR-1260-3	6.676	5.504	89853272	96617108	500.000	500.000
34)	L7 AR-1260-4	6.893	5.967	107.3E6	73321302	500.000	500.000
35)	L7 AR-1260-5	7.204	6.213	208.4E6	170.9E6	500.000	500.000

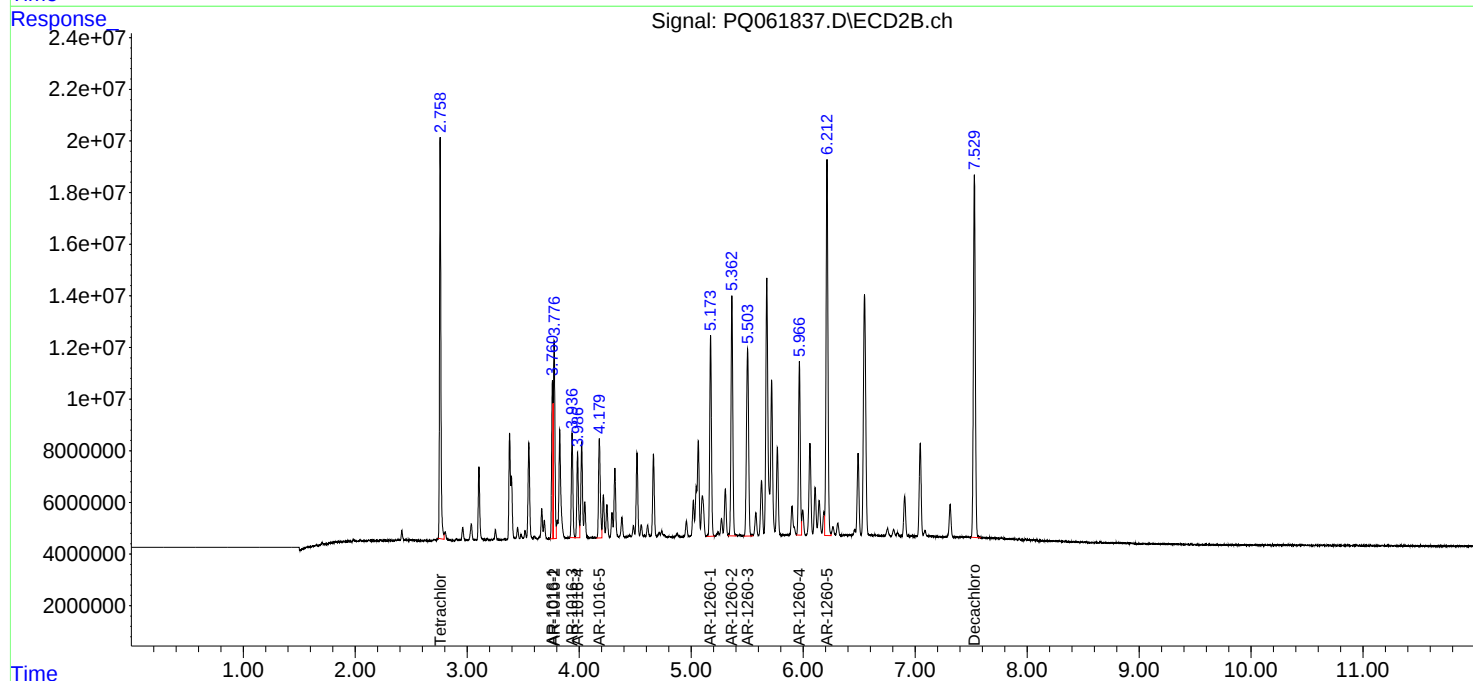
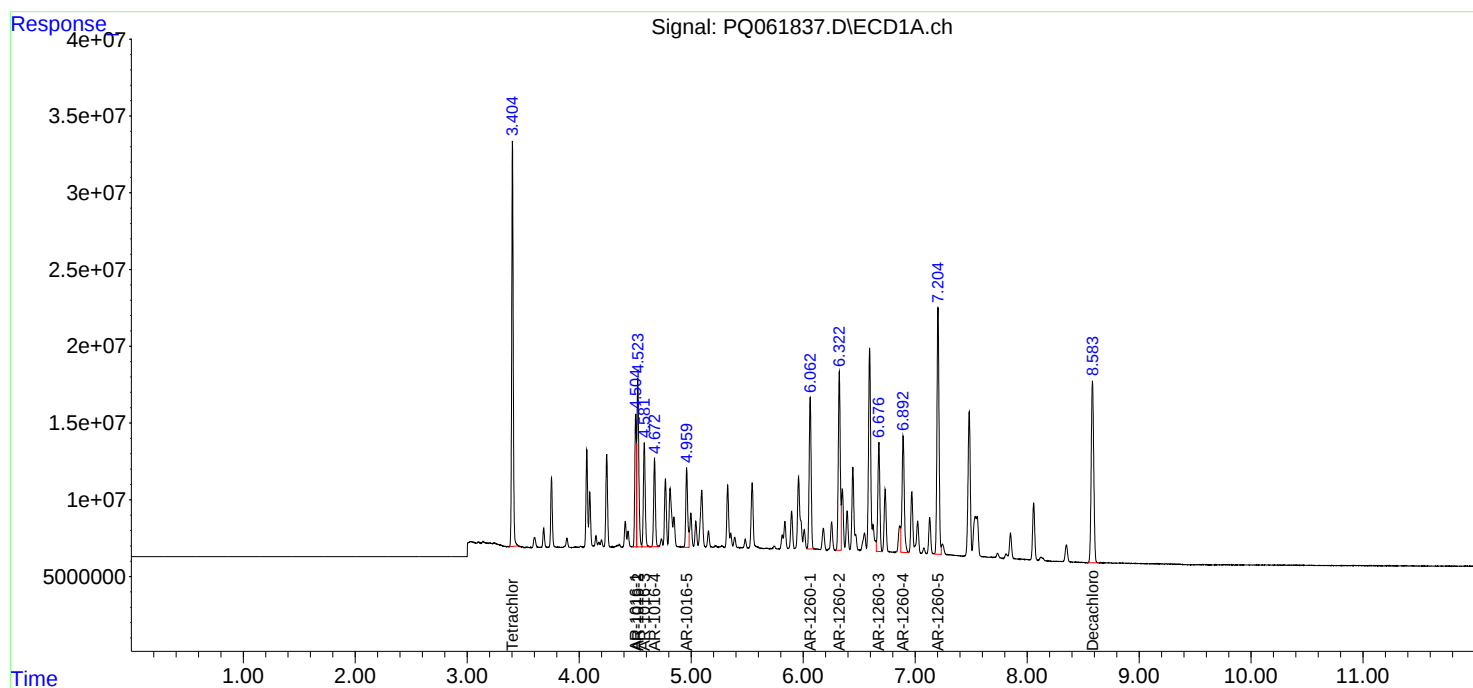
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 03:33
Operator : YP\AJ
Sample : AR1660ICC500
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 05:50:19 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 05:48:16 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061838.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 03:48
 Operator : YP\AJ
 Sample : AR1660ICC250
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 06:14:56 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 06:14:49 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.405	2.759	124.9E6	64421011	25.001	25.069
2) SA Decachlor...	8.584	7.528	95308656	86195052	25.970	25.817
Target Compounds						
3) L1 AR-1016-1	4.505	3.761	43268530	26293640	256.198	262.811
4) L1 AR-1016-2	4.524	3.776	63993514	37466149	254.284	257.389
5) L1 AR-1016-3	4.581	3.936	39835573	20225365	258.519	261.241
6) L1 AR-1016-4	4.673	3.985	32037155	17519247	253.162	263.641
7) L1 AR-1016-5	4.960	4.180	31768719	21824882	258.928	265.143
31) L7 AR-1260-1	6.063	5.173	61639075	43666782	258.458	261.333
32) L7 AR-1260-2	6.323	5.363	75514179	53244831	261.221	258.860
33) L7 AR-1260-3	6.676	5.504	45705976	49985641	256.574	257.016
34) L7 AR-1260-4	6.893	5.966	54454428	37960693	255.335	258.832
35) L7 AR-1260-5	7.204	6.213	105.5E6	84849778	253.556	252.561

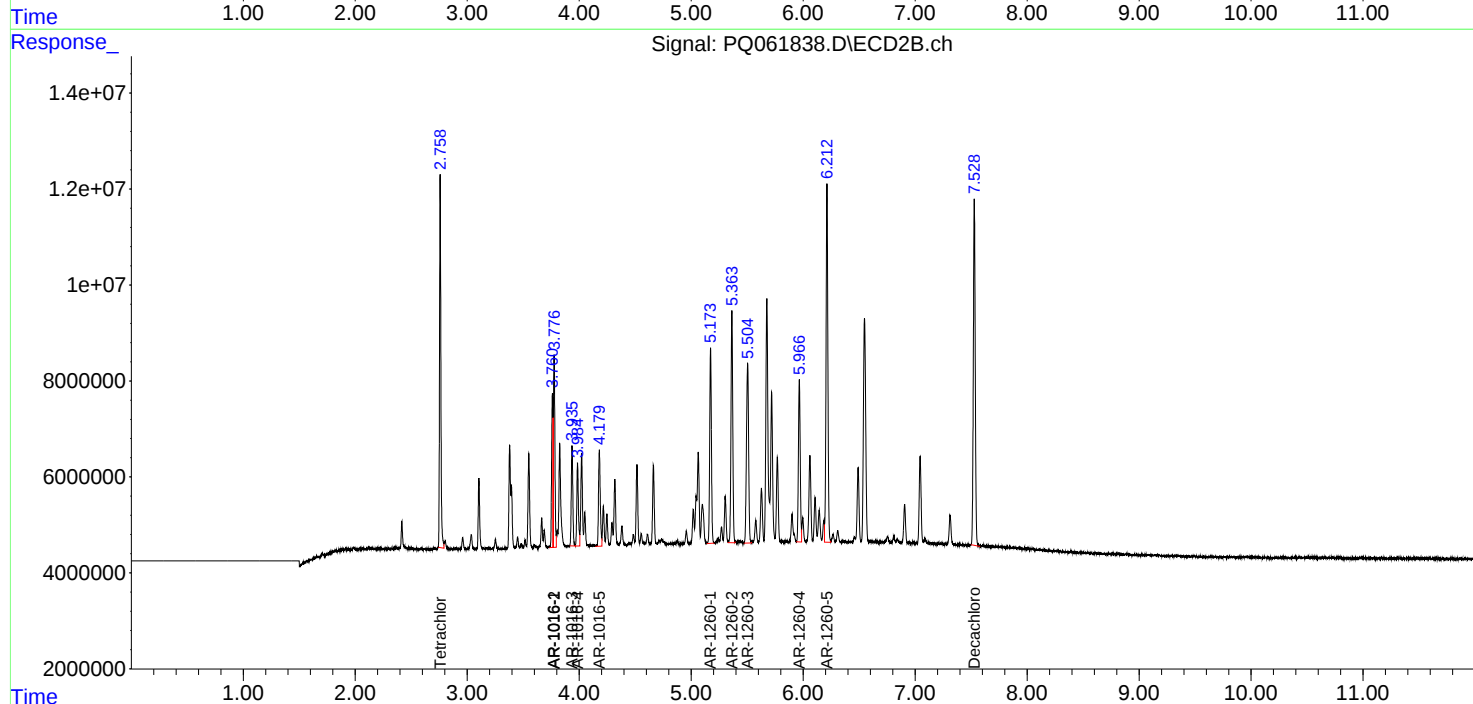
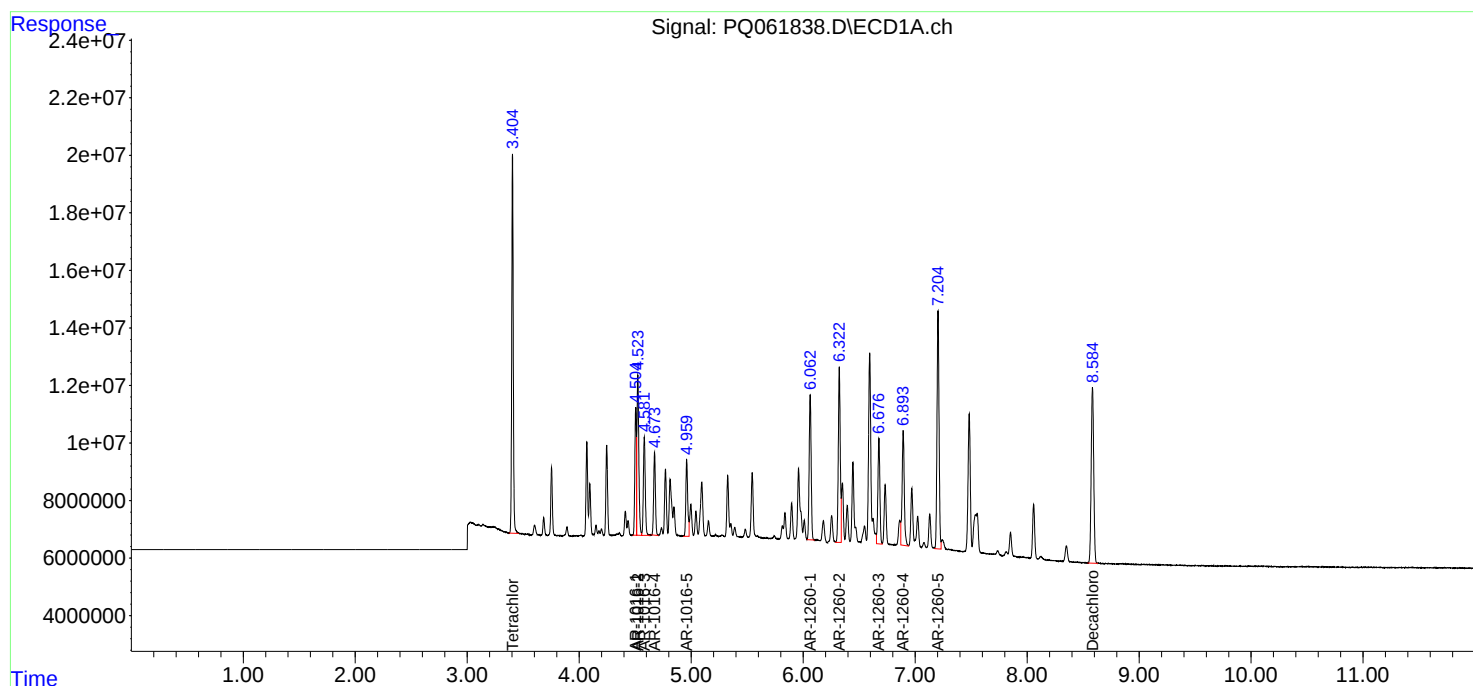
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061838.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 03:48
Operator : YP\AJ
Sample : AR1660ICC250
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 06:14:56 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 06:14:49 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061839.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 04:02
 Operator : YP\AJ
 Sample : AR1660ICC050
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660ICC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 06:43:34 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 06:43:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	22018728	11332529	4.514	4.517
2) SA Decachlor...	8.583	7.529	17419338	16531228	4.795	4.961
Target Compounds						
3) L1 AR-1016-1	4.505	3.761	7402104	4734310	44.938	47.833
4) L1 AR-1016-2	4.524	3.776	11484743	6937295	46.446	48.109
5) L1 AR-1016-3	4.581	3.936	7283059	3376584	47.787	44.757
6) L1 AR-1016-4	4.674	3.985	6026668	3129548	48.081	47.649
7) L1 AR-1016-5	4.960	4.179	5890538	4032672	48.395	49.190
31) L7 AR-1260-1	6.062	5.174	11285268	8219774	47.833	49.352
32) L7 AR-1260-2	6.322	5.363	14386818	10848653	49.814	52.274m
33) L7 AR-1260-3	6.676	5.504	8516151	9742784	48.229	50.076
34) L7 AR-1260-4	6.893	5.966	10009128	7133064	47.516	48.903
35) L7 AR-1260-5	7.204	6.213	19407017	15823178	47.264	47.652

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061839.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 04:02
Operator : YP\AJ
Sample : AR1660ICC050
Misc :
ALS Vial : 40 Sample Multiplier: 1

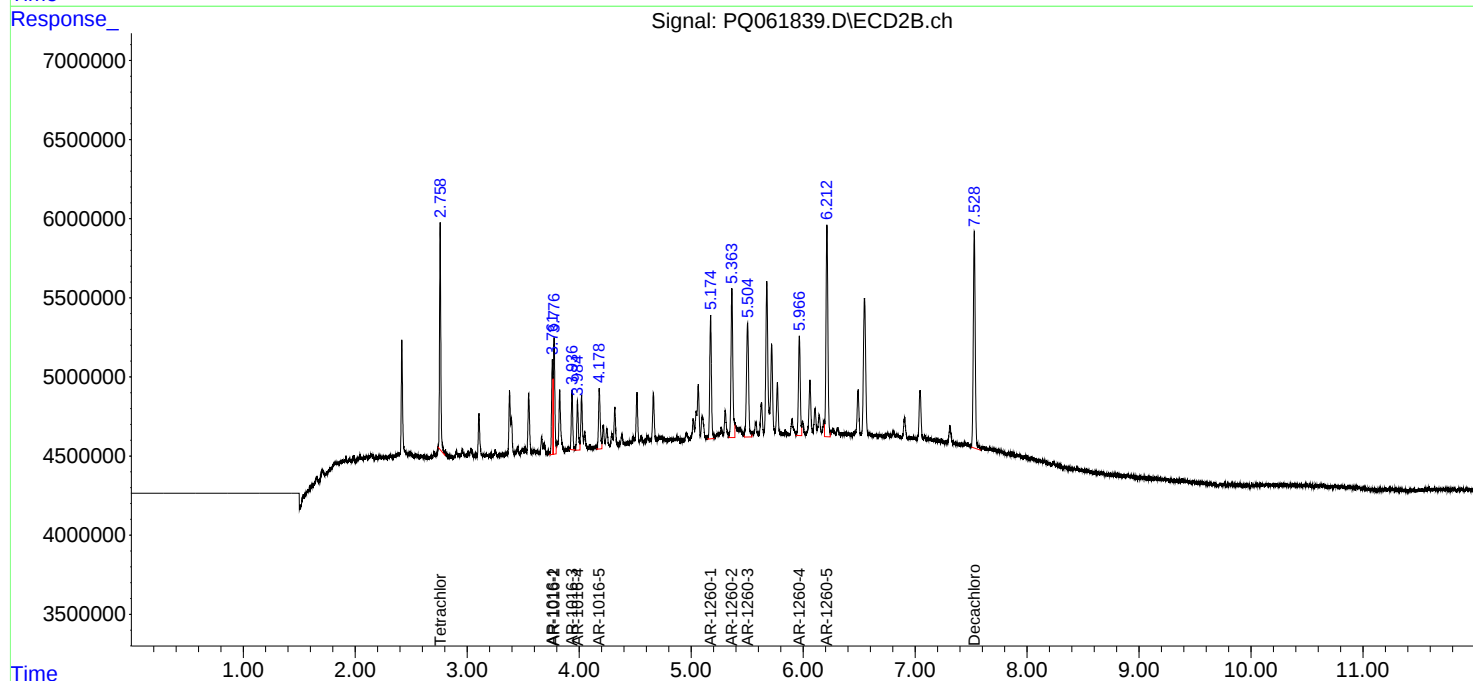
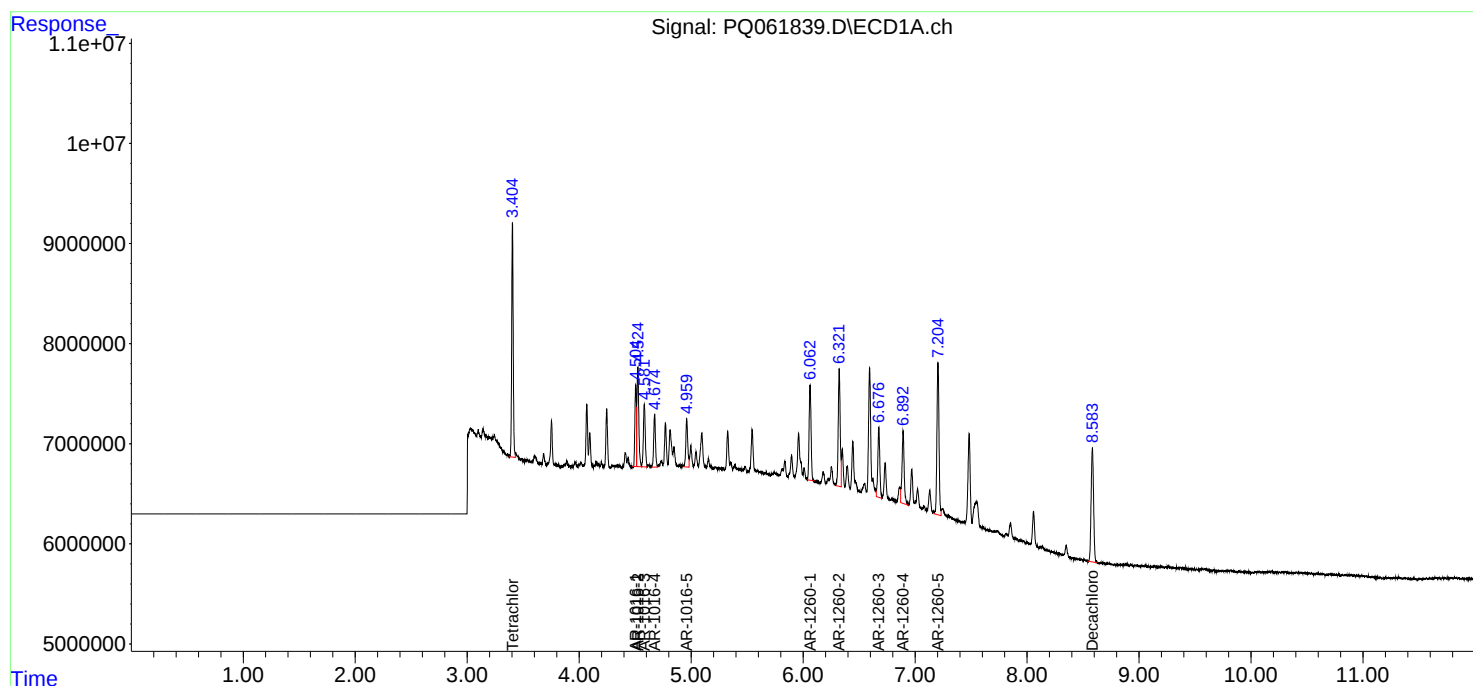
Instrument :
ECD_Q
ClientSampleId :
AR1660ICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/03/2023
Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 06:43:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 06:43:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061840.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 04:17
 Operator : YP\AJ
 Sample : AR1221ICC500
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1221ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 06:54:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 06:54:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	262.3E6	133.0E6	50.000	50.000
2) SA Decachlor...	8.584	7.529	188.4E6	170.4E6	50.000	50.000
Target Compounds						
8) L2 AR-1221-1	3.605	2.961	30053917	16498256	500.000	500.000
9) L2 AR-1221-2	3.683	3.037	22466329	12700031	500.000	500.000
10) L2 AR-1221-3	3.753	3.105	70259118	38545443	500.000	500.000

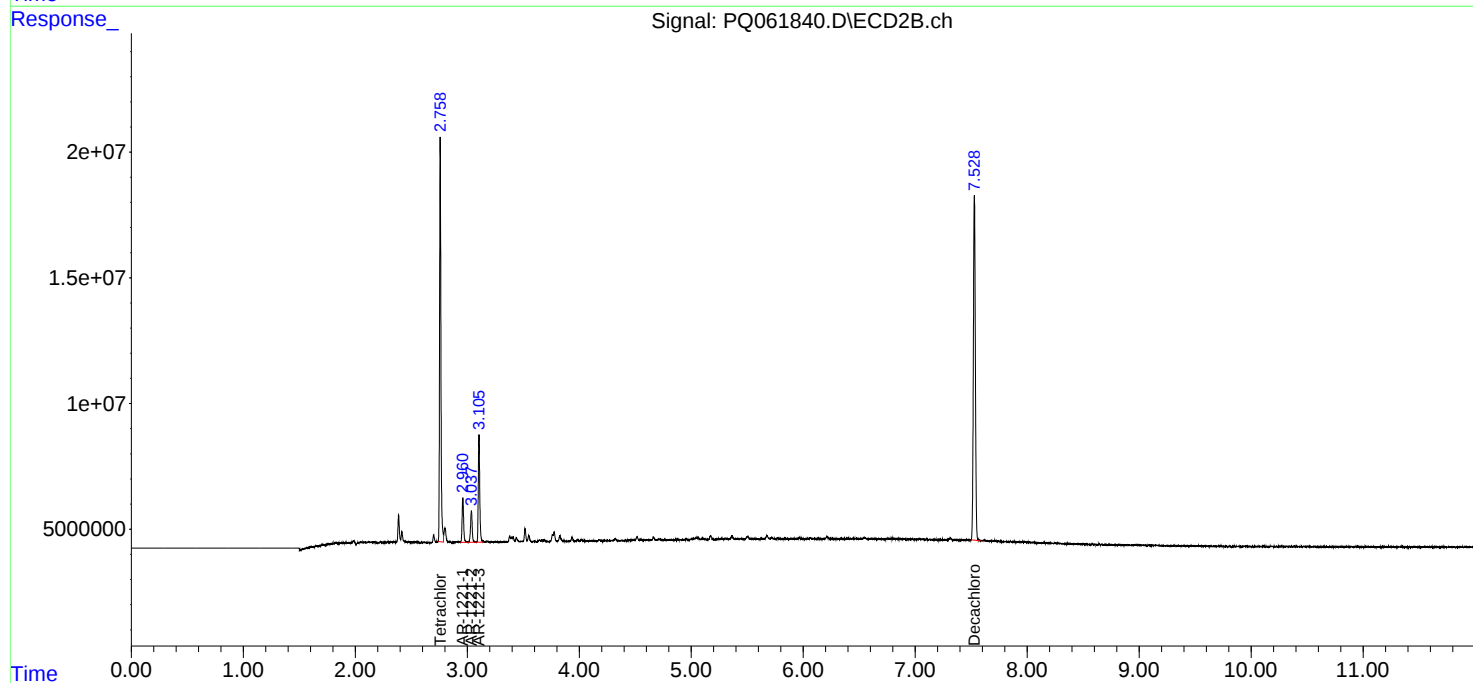
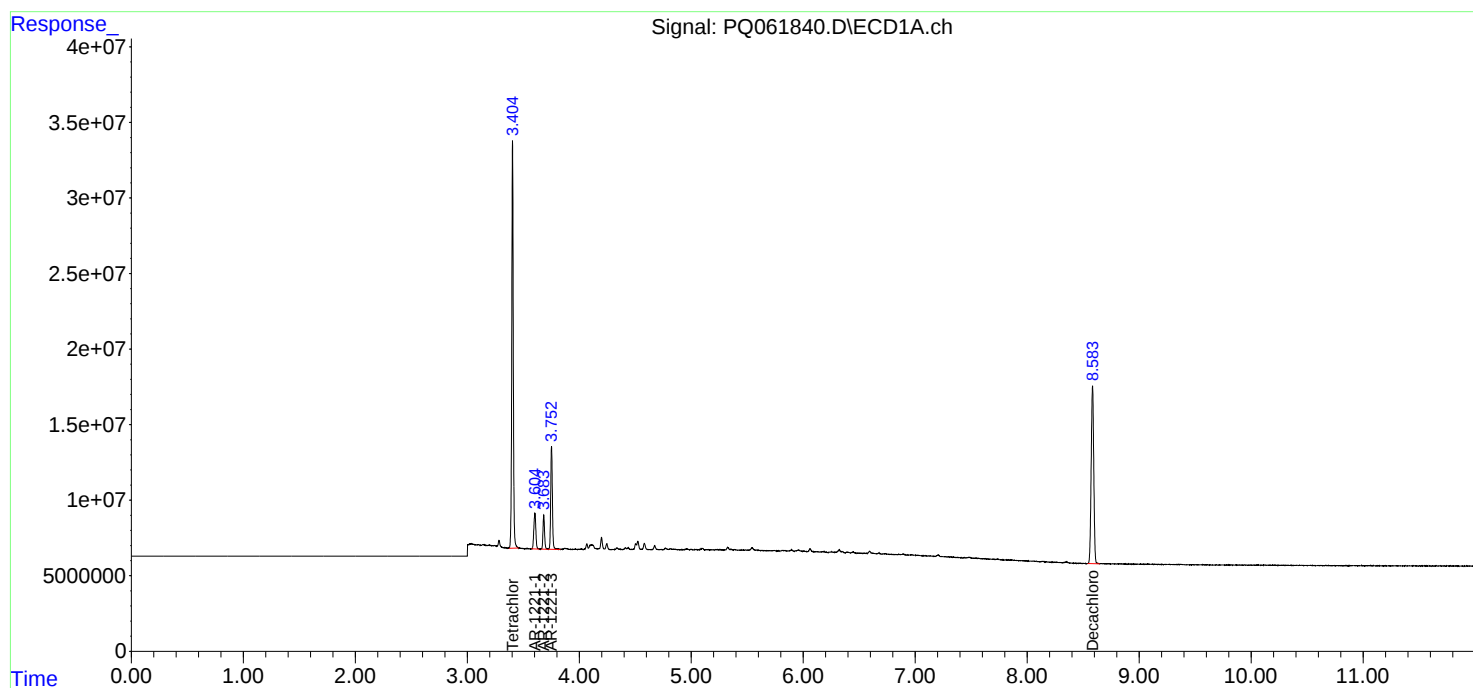
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061840.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 04:17
Operator : YP\AJ
Sample : AR1221ICC500
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1221ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 06:54:29 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 06:54:07 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061841.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 04:31
 Operator : YP\AJ
 Sample : AR1232ICC500
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1232ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:07:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:06:45 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	255.7E6	129.9E6	50.000	50.000
2) SA Decachlor...	8.583	7.529	186.8E6	168.9E6	50.000	50.000
Target Compounds						
11) L3 AR-1232-1	3.753	3.105	52800664	28649315	500.000	500.000
12) L3 AR-1232-2	4.246	3.776	29575570	33277479	500.000	500.000
13) L3 AR-1232-3	4.524	3.936	56540284	17277486	500.000	500.000
14) L3 AR-1232-4	4.673	4.022	28333216	14869911	500.000	500.000
15) L3 AR-1232-5	4.770	4.180	20025002	17830425	500.000	500.000

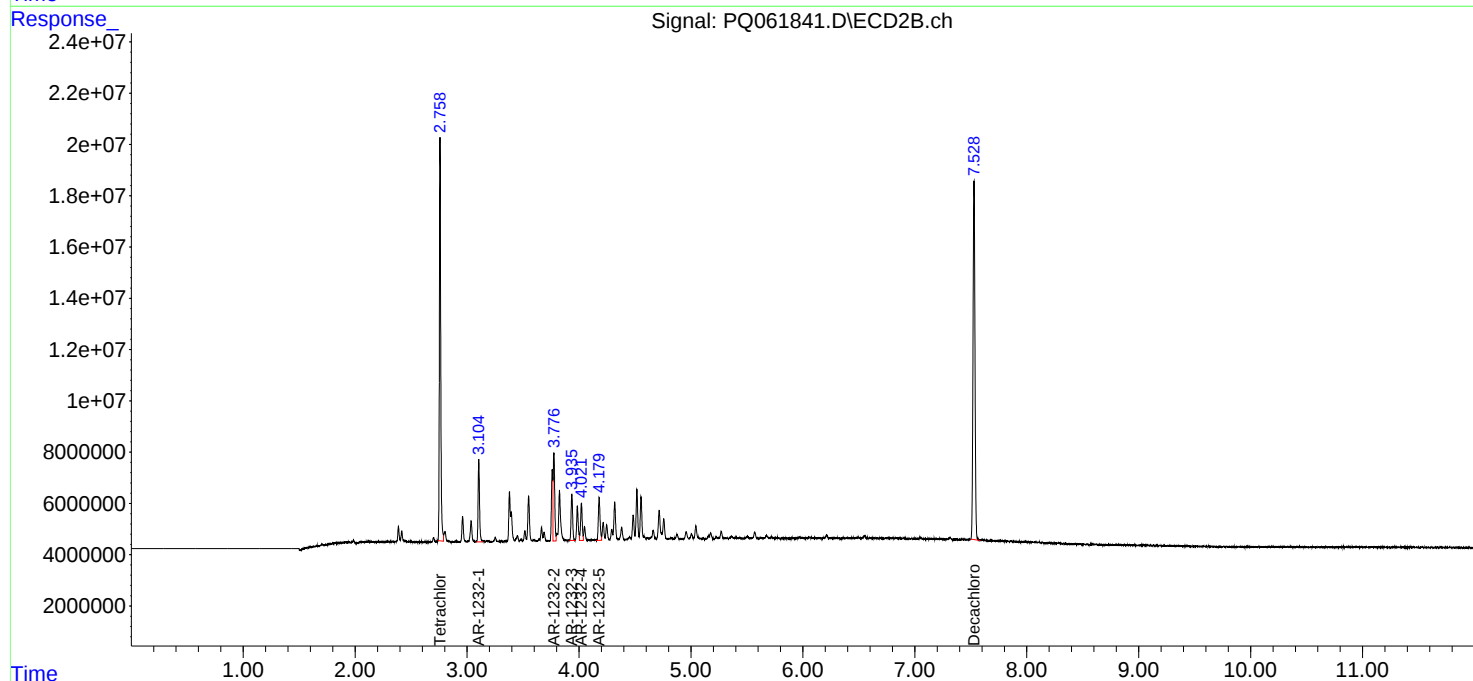
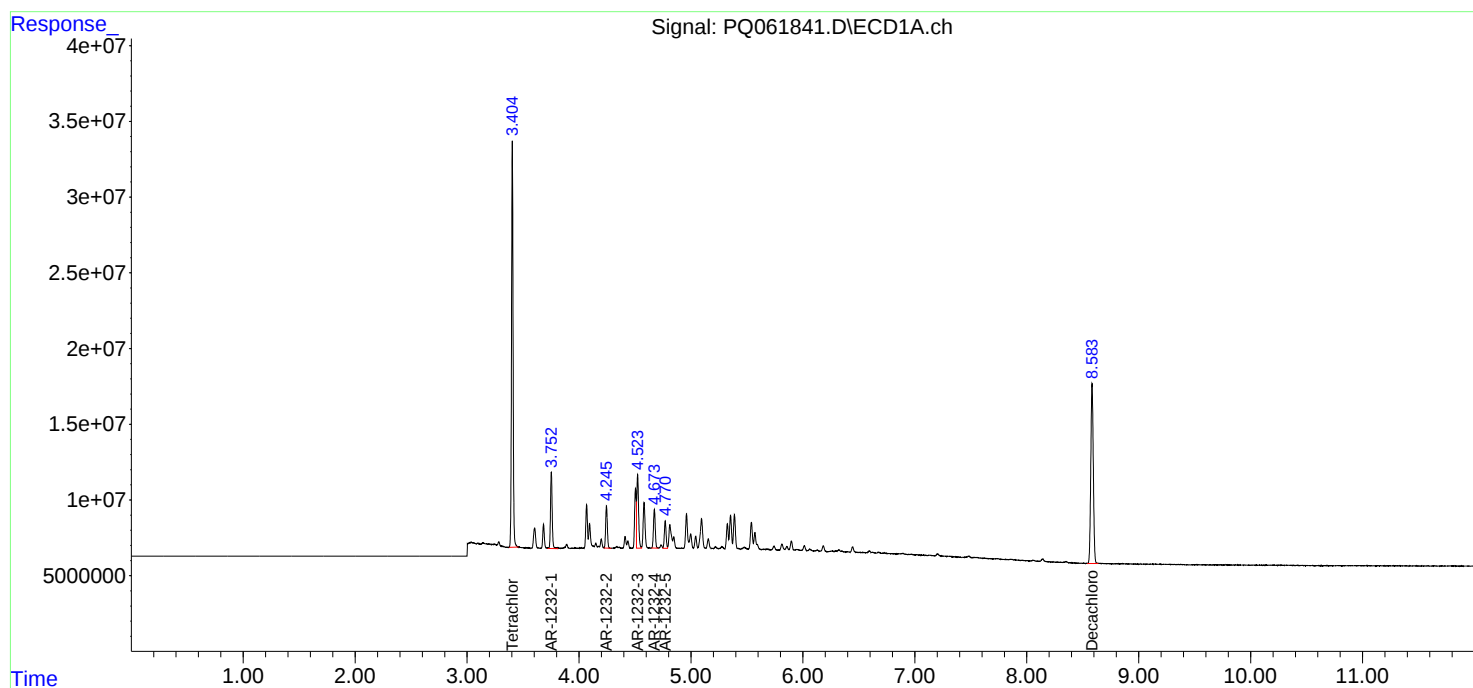
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061841.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 04:31
Operator : YP\AJ
Sample : AR1232ICC500
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1232ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:07:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:06:45 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061842.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 04:46
 Operator : YP\AJ
 Sample : AR1242ICC1000
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:32:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:32:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	495.0E6	252.9E6	97.656	97.148
2)	SA Decachlor...	8.584	7.528	353.4E6	322.9E6	96.336	96.617
Target Compounds							
16)	L4 AR-1242-1	4.505	3.760	124.5E6	73698107	965.436	959.884
17)	L4 AR-1242-2	4.524	3.775	184.1E6	108.3E6	962.911	982.348
18)	L4 AR-1242-3	4.581	3.936	113.5E6	57751145	961.786	977.375
19)	L4 AR-1242-4	4.673	4.022	93901035	55063545	966.727	964.109
20)	L4 AR-1242-5	5.389	4.516	95677681	78281292	969.130	957.874

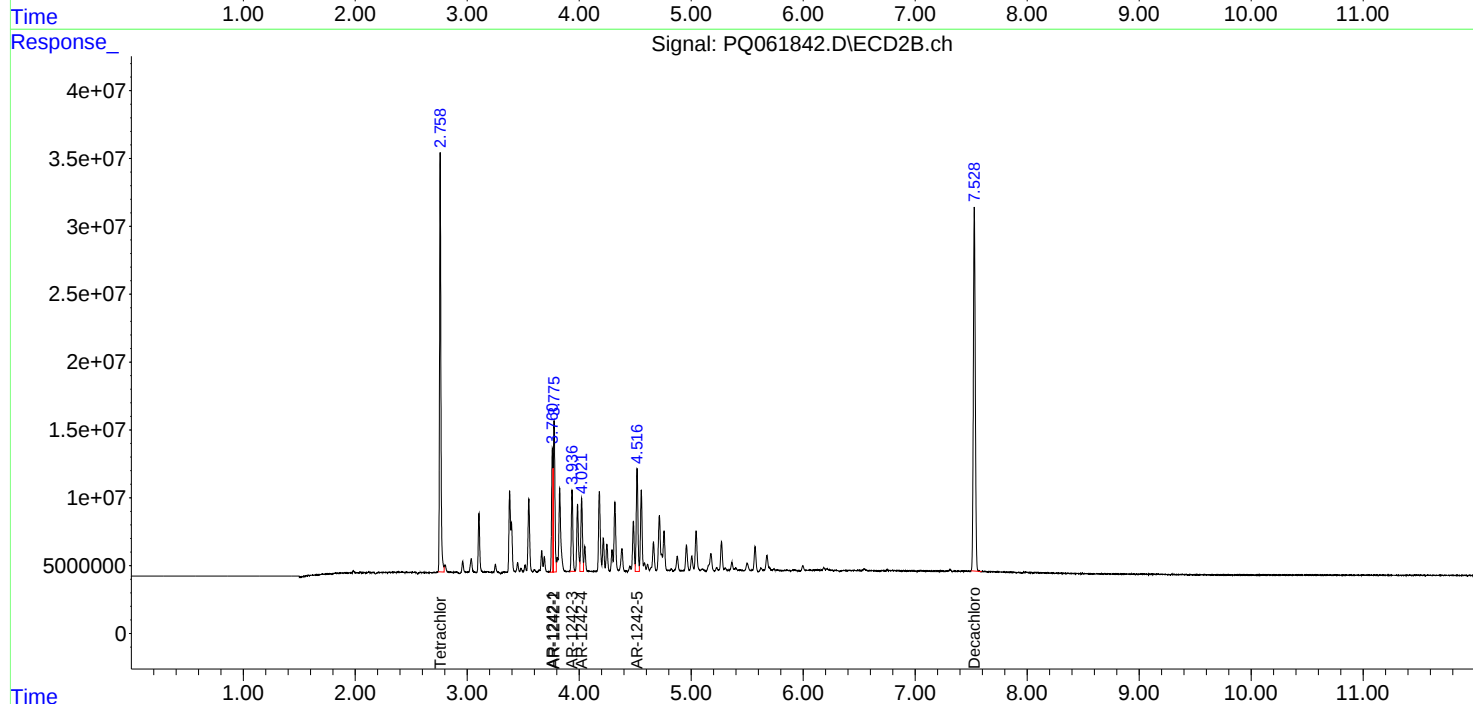
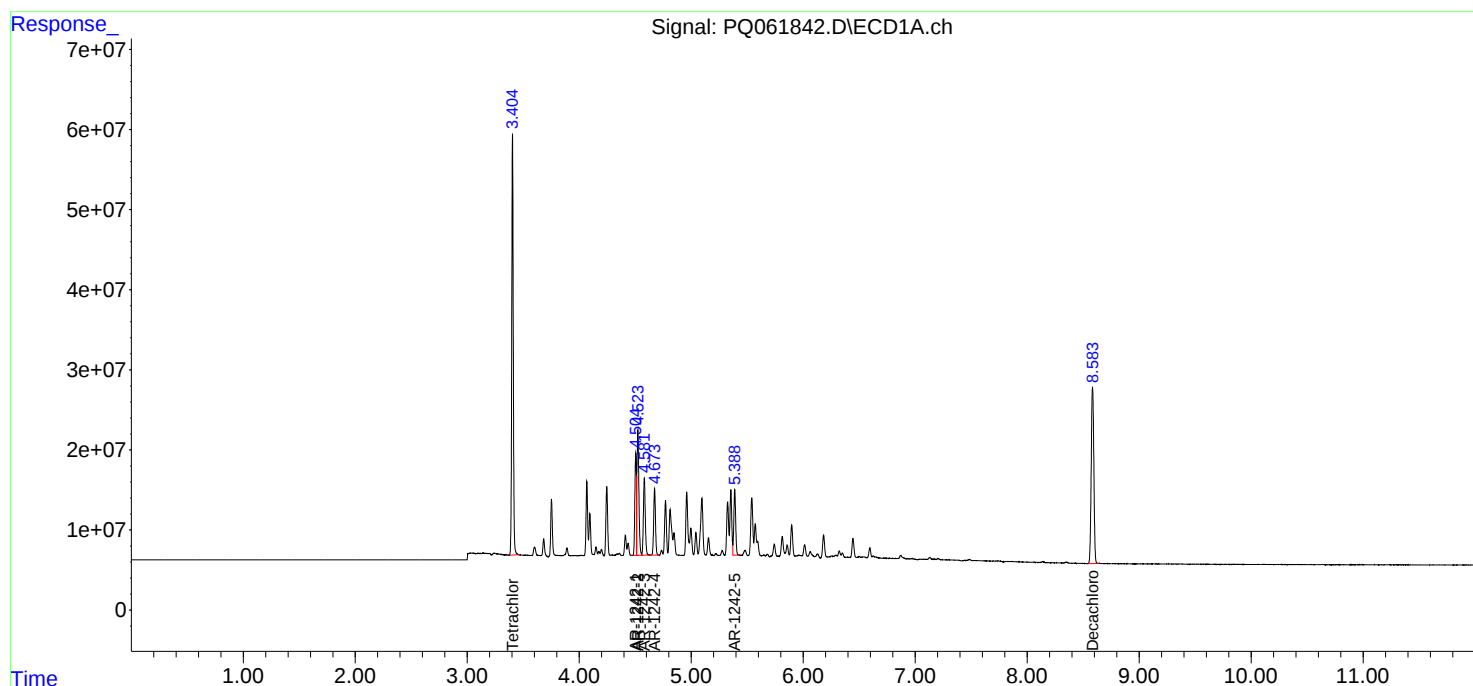
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061842.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 04:46
Operator : YP\AJ
Sample : AR1242ICC1000
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:32:14 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:32:07 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061843.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 05:01
 Operator : YP\AJ
 Sample : AR1242ICC750
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:34:12 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:34:05 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.405	2.758	375.3E6	192.4E6	74.361	74.280
2) SA Decachlor...	8.584	7.529	270.8E6	246.7E6	74.213	74.210
Target Compounds						
16) L4 AR-1242-1	4.505	3.760	95011558	55827834	741.029	734.598
17) L4 AR-1242-2	4.524	3.775	141.2E6	80876666	742.129	739.181
18) L4 AR-1242-3	4.582	3.936	86625145	42703829	739.269	731.587
19) L4 AR-1242-4	4.673	4.022	71669022	41415985	741.853	733.251
20) L4 AR-1242-5	5.389	4.517	73409679	59098928	745.704	731.886

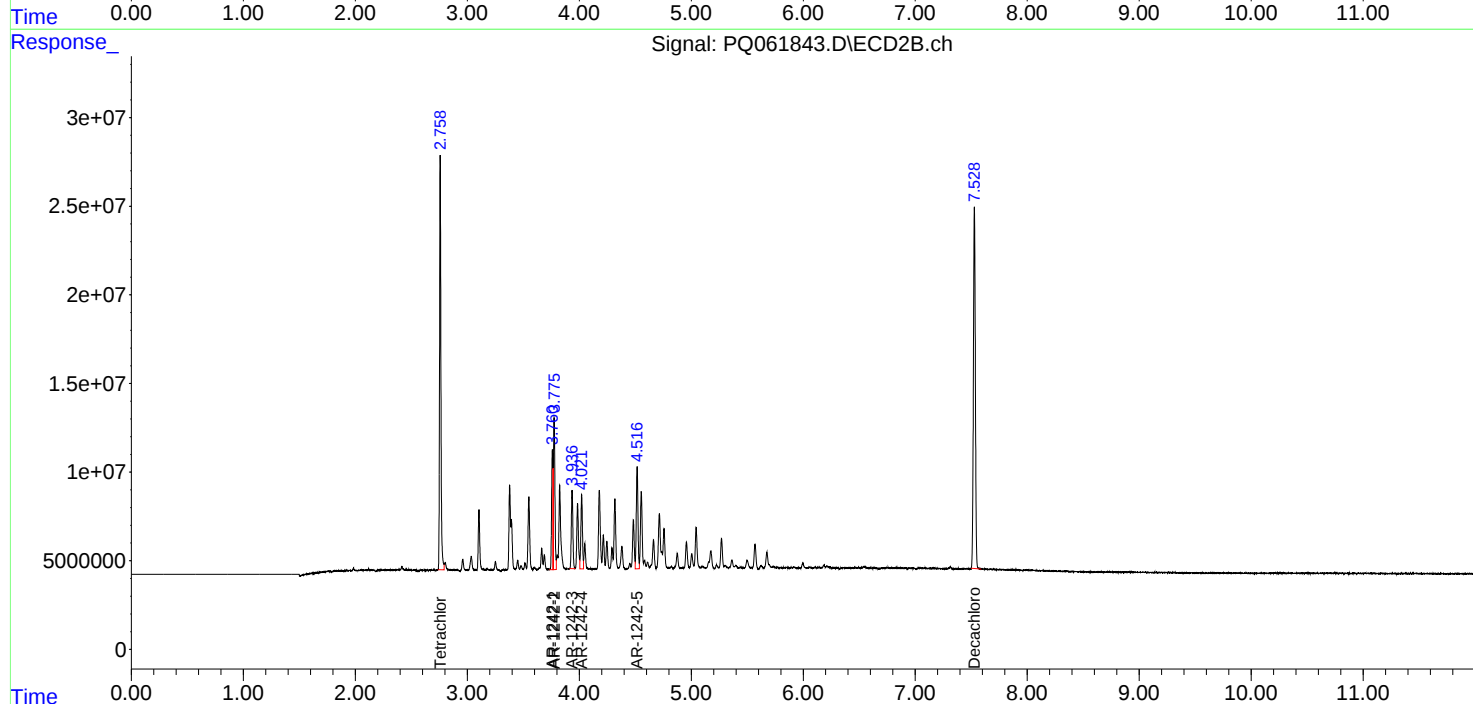
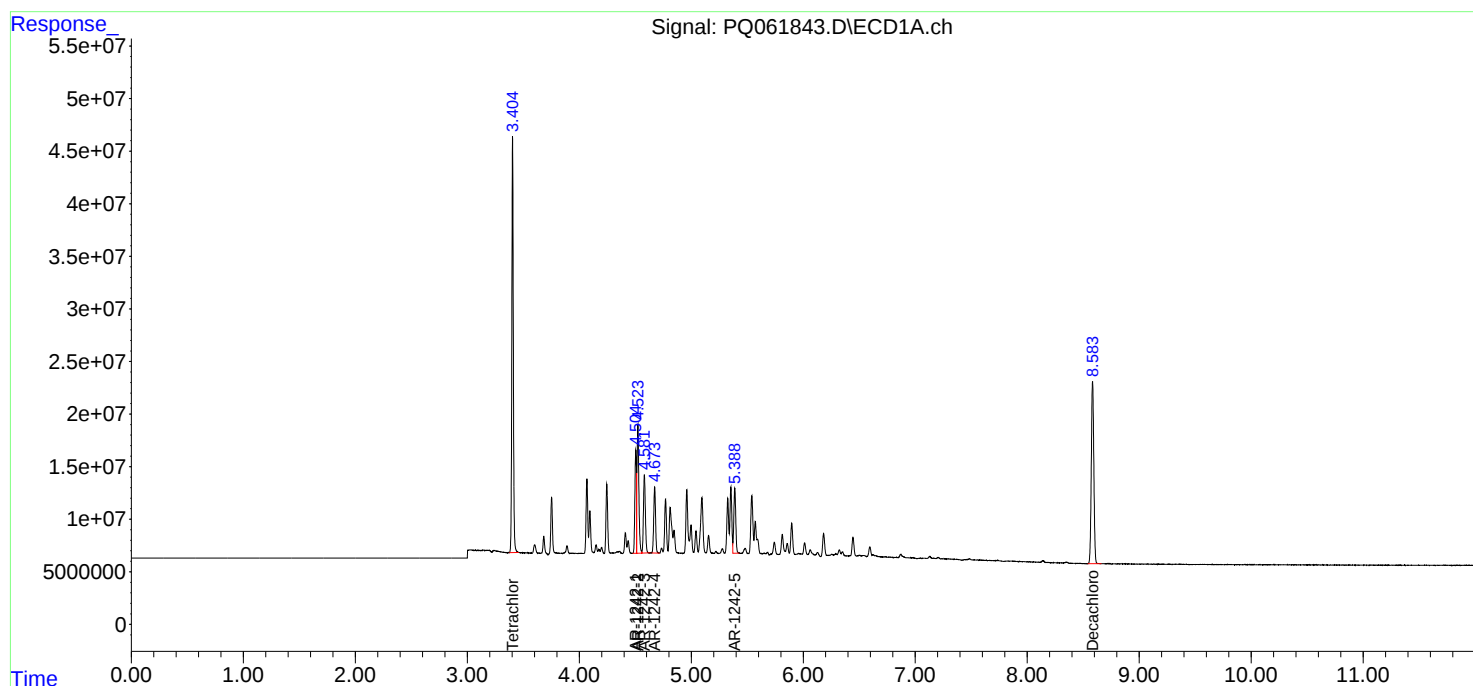
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061843.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 05:01
Operator : YP\AJ
Sample : AR1242ICC750
Misc :
ALS Vial : 44 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:34:12 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:34:05 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 05:15
 Operator : YP\AJ
 Sample : AR1242ICC500
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:28:44 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:27:32 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	259.4E6	133.9E6	50.000	50.000
2)	SA Decachlor...	8.584	7.529	190.1E6	172.8E6	50.000	50.000
Target Compounds							
16)	L4 AR-1242-1	4.504	3.760	66720337	39929117	500.000	500.000
17)	L4 AR-1242-2	4.524	3.775	99160459	56074197	500.000	500.000
18)	L4 AR-1242-3	4.581	3.936	61262400	30212408	500.000	500.000
19)	L4 AR-1242-4	4.673	4.022	50182393	29581618	500.000	500.000
20)	L4 AR-1242-5	5.388	4.517	50886462	42583342	500.000	500.000

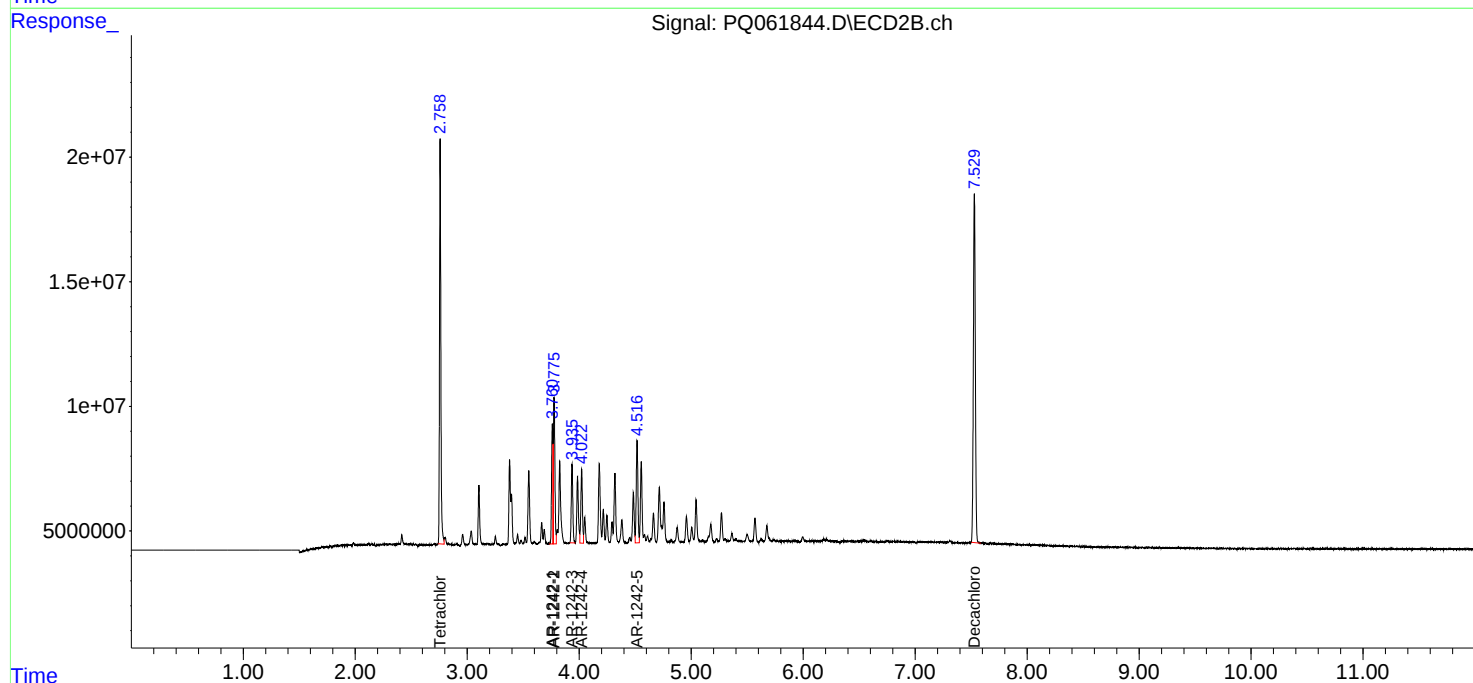
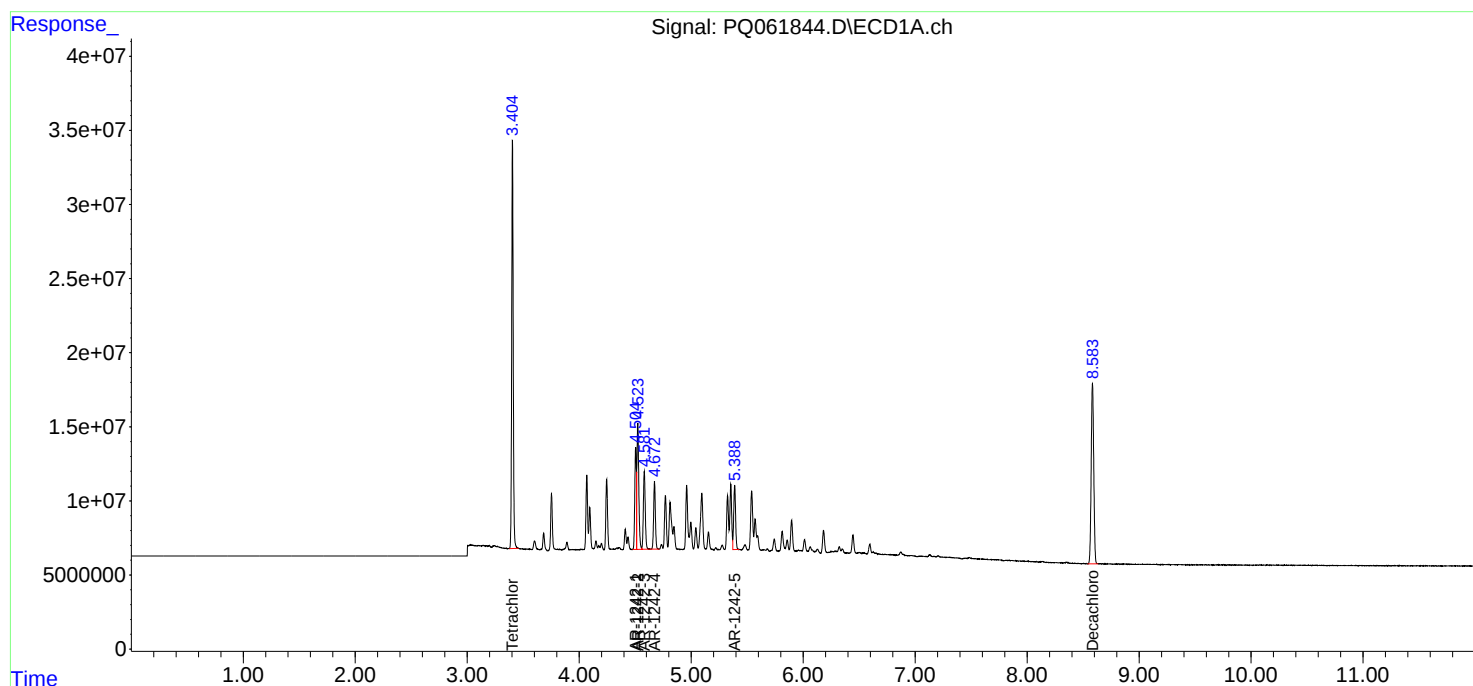
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061844.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 05:15
Operator : YP\AJ
Sample : AR1242ICC500
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:28:44 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:27:32 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061845.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 05:30
 Operator : YP\AJ
 Sample : AR1242ICC250
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:36:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:36:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

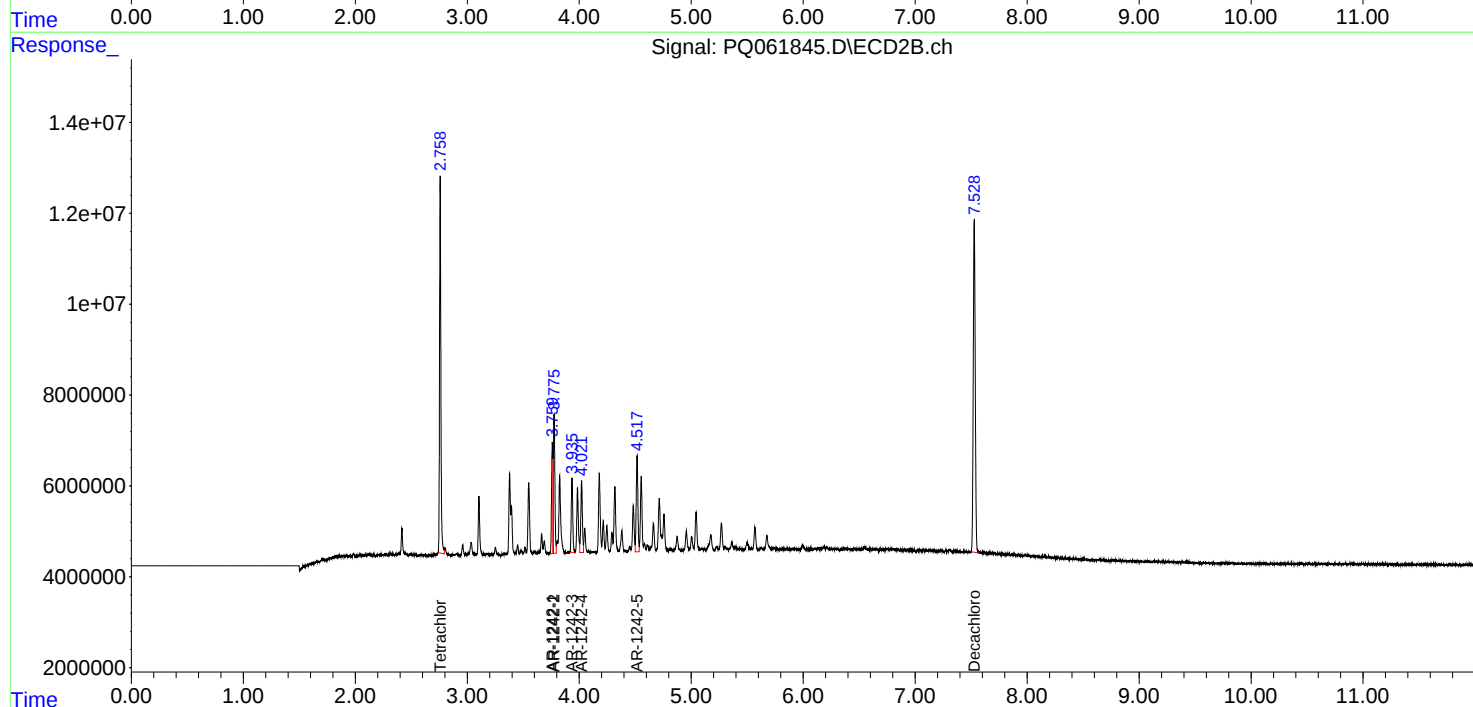
Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.404	2.759	132.2E6	68881644	25.882	26.173
2) SA Decachlor...	8.582	7.528	99051457	89784552	26.575	26.473
Target Compounds						
16) L4 AR-1242-1	4.504	3.760	35241467	20086810	268.193	260.579
17) L4 AR-1242-2	4.524	3.775	51378783	29227297	264.769	262.628
18) L4 AR-1242-3	4.581	3.935	31836070	15523584	265.924	261.771
19) L4 AR-1242-4	4.673	4.021	25843724	15540672	262.907	268.393
20) L4 AR-1242-5	5.388	4.517	25678505	21829124	258.047	264.946

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

Instrument :
ECD_Q
ClientSampleId :
AR1242|CC250

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 05:45
 Operator : YP\AJ
 Sample : AR1242ICC050
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1242ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:39:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:39:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	24561666	12378765	4.846	4.760
2) SA Decachlor...	8.583	7.529	19025818	17235562	5.083	5.065
Target Compounds						
16) L4 AR-1242-1	4.504	3.760	6395370	3917734	48.930	50.657
17) L4 AR-1242-2	4.524	3.775	9724280	5532122	50.089	49.768
18) L4 AR-1242-3	4.581	3.936	6267308	2783577	51.863	47.521
19) L4 AR-1242-4	4.673	4.022	4711466	3076505	48.330	52.475
20) L4 AR-1242-5	5.389	4.516	4030305	4245002	42.101	51.211

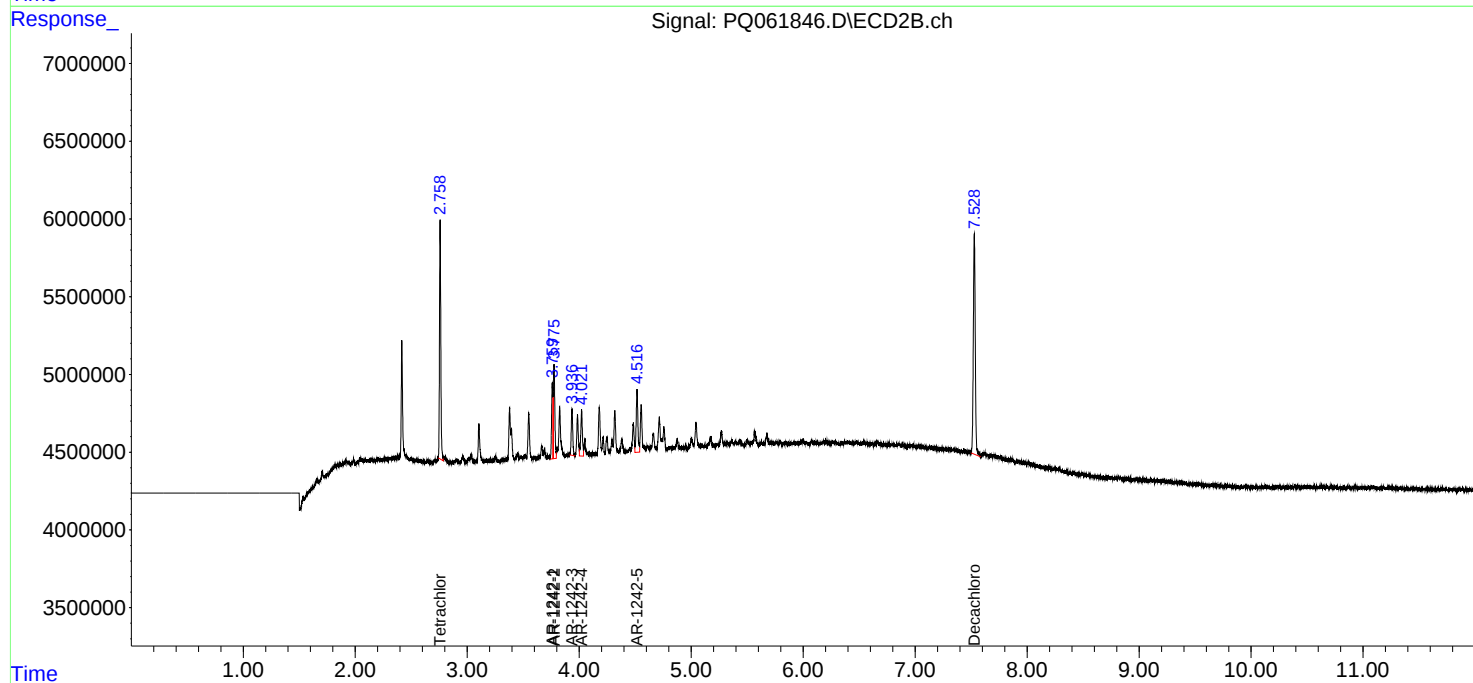
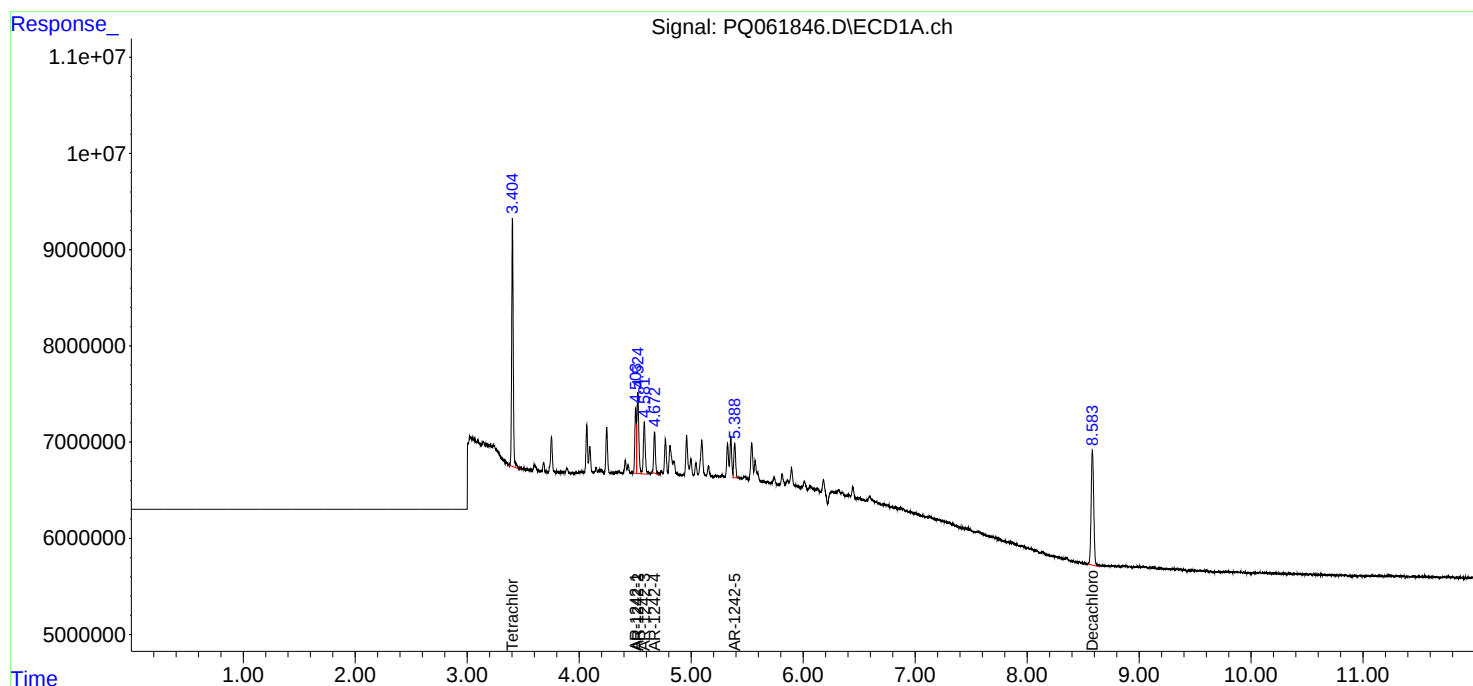
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 05:45
Operator : YP\AJ
Sample : AR1242ICC050
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1242ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:39:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:39:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 05:59
 Operator : YP\AJ
 Sample : AR1248ICC1000
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:47:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:47:11 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	509.0E6	267.8E6	97.264	97.703
2) SA Decachlor...	8.582	7.528	366.5E6	334.3E6	96.246	96.956
Target Compounds						
21) L5 AR-1248-1	4.505	3.760	101.5E6	60440678	965.743	968.038
22) L5 AR-1248-2	4.770	3.985	134.9E6	89666096	954.831	946.243
23) L5 AR-1248-3	4.960	4.022	165.0E6	86657239	959.184	949.339
24) L5 AR-1248-4	5.353	4.179	185.3E6	107.9E6	963.564	955.633
25) L5 AR-1248-5	5.388	4.554	180.0E6	109.1E6	966.827	967.480

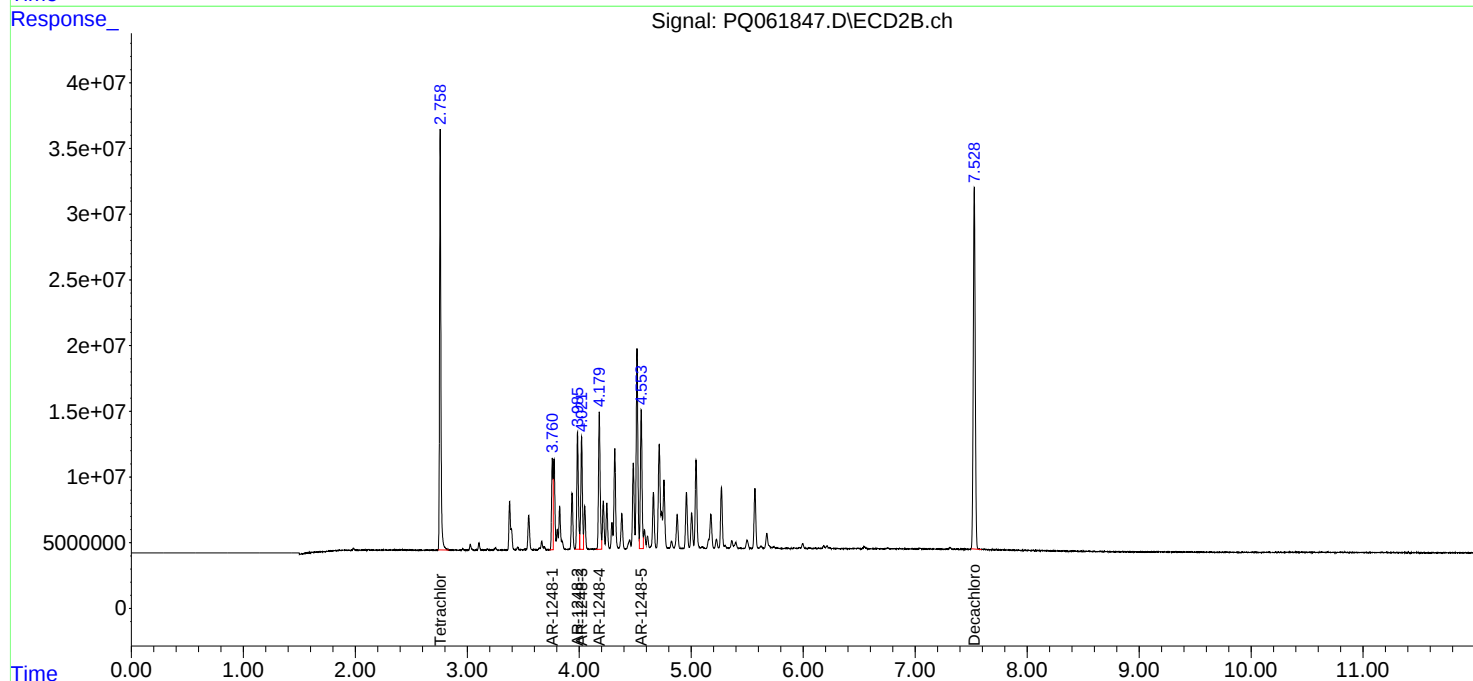
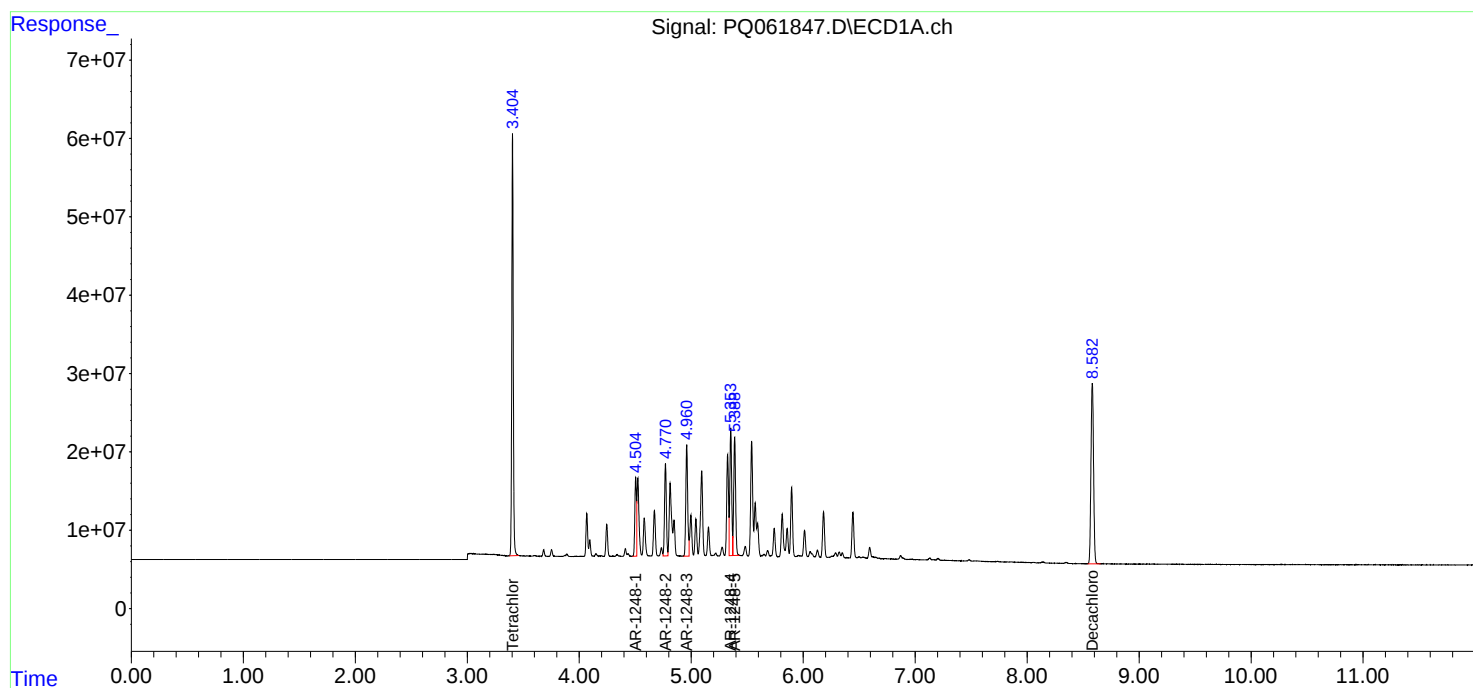
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 05:59
Operator : YP\AJ
Sample : AR1248ICC1000
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:47:19 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:47:11 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061848.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 06:14
 Operator : YP\AJ
 Sample : AR1248ICC750
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC750

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/05/2023
 Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 08:20:03 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 08:19:55 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.424	2.759	388.6E6	202.2E6	74.495	74.178
2) SA Decachlor...	8.602	7.528	283.6E6	257.2E6	74.653	74.740
Target Compounds						
21) L5 AR-1248-1	4.524	3.760	77765647	46154440	743.087	742.782
22) L5 AR-1248-2	4.790	3.985	104.6E6	67929937	759.587	727.578
23) L5 AR-1248-3	4.980	4.021	128.1E6	65578986	746.665	728.650
24) L5 AR-1248-4	5.374	4.179	142.1E6	82416026	735.576m	736.486
25) L5 AR-1248-5	5.408	4.553	138.0E6	83166192	752.251m	741.570

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061848.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 06:14
Operator : YP\AJ
Sample : AR1248ICC750
Misc :
ALS Vial : 49 Sample Multiplier: 1

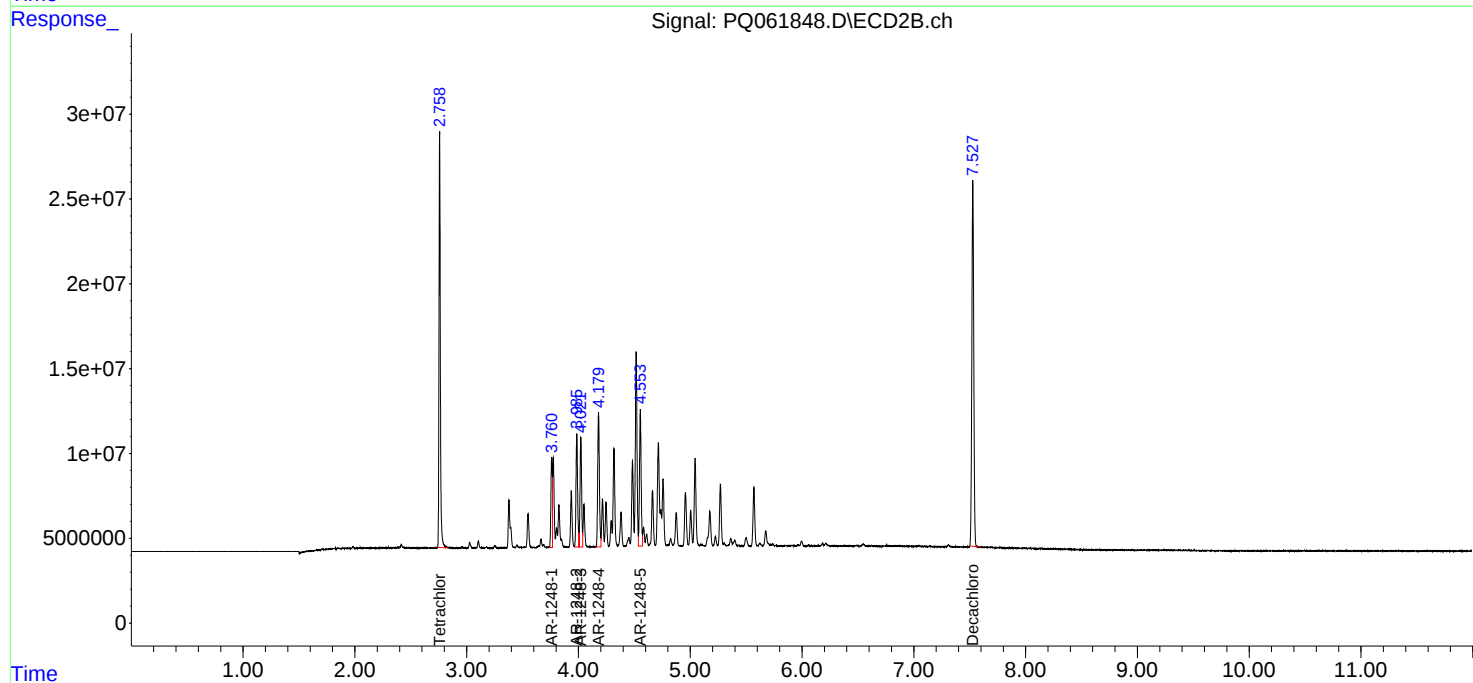
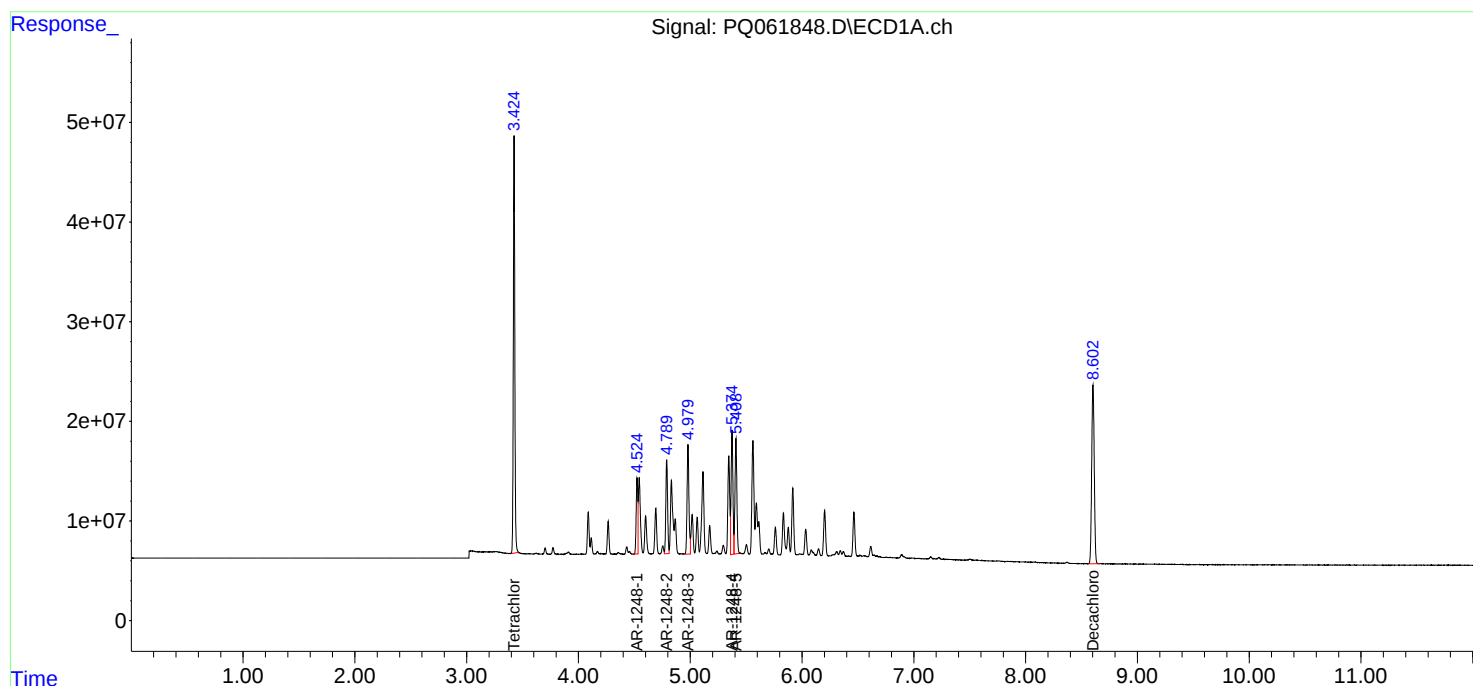
Instrument :
ECD_Q
ClientSampleId :
AR1248ICC750

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/05/2023
Supervised By :Ankita Jodhani 07/05/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 08:20:03 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 08:19:55 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 06:28
 Operator : YP\AJ
 Sample : AR1248ICC500
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 07:43:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 07:41:52 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	268.8E6	140.2E6	50.000	50.000
2) SA Decachlor...	8.584	7.528	197.5E6	177.6E6	50.000	50.000
Target Compounds						
21) L5 AR-1248-1	4.504	3.761	54368031	32215942	500.000	500.000
22) L5 AR-1248-2	4.770	3.985	73825666	49927113	500.000	500.000
23) L5 AR-1248-3	4.960	4.022	89509387	47953043	500.000	500.000
24) L5 AR-1248-4	5.354	4.179	99650843	58961041	500.000	500.000
25) L5 AR-1248-5	5.389	4.554	96191149	58223372	500.000	500.000

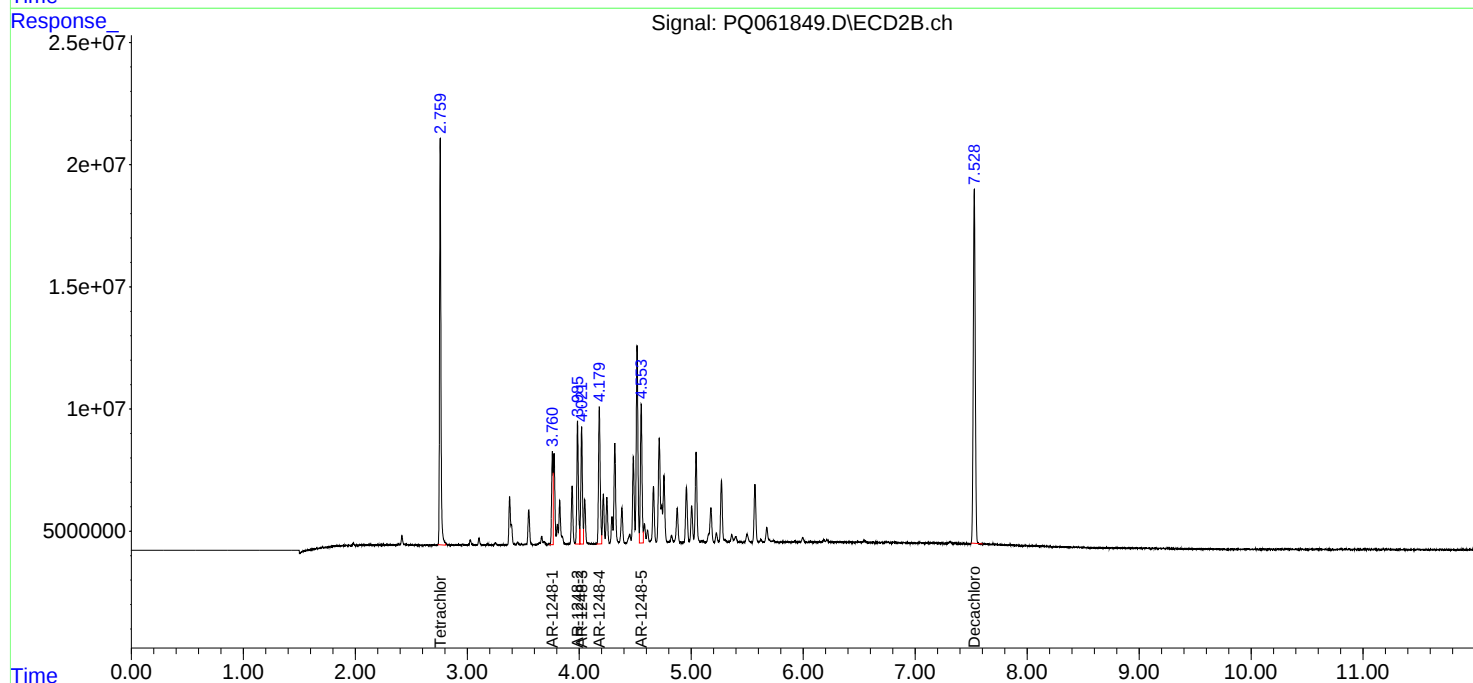
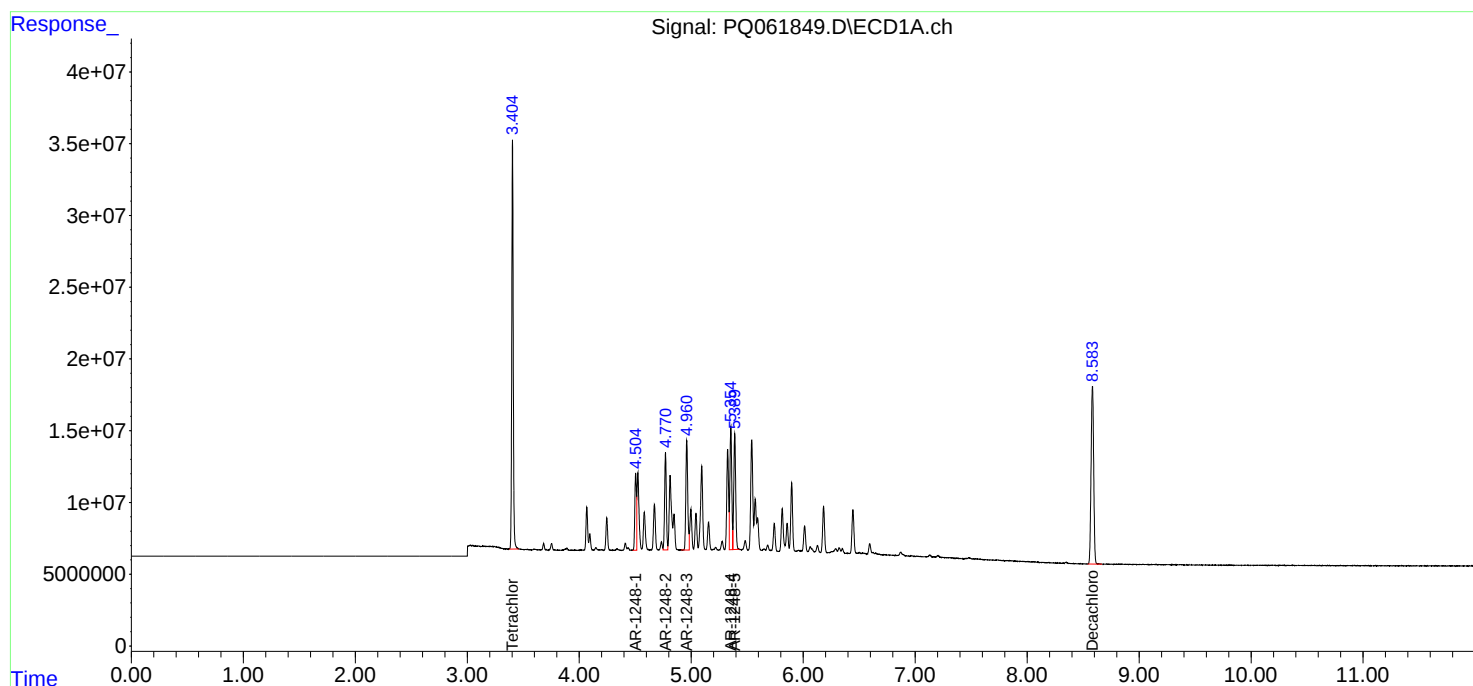
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 06:28
Operator : YP\AJ
Sample : AR1248ICC500
Misc :
ALS Vial : 50 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 07:43:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 07:41:52 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061850.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 06:43
 Operator : YP\AJ
 Sample : AR1248ICC250
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 08:22:32 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 08:22:25 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	134.1E6	70537223	25.533	25.648
2) SA Decachlor...	8.583	7.528	101.8E6	91363612	26.322	26.142
Target Compounds						
21) L5 AR-1248-1	4.504	3.761	28032626	17001205	263.163	267.297
22) L5 AR-1248-2	4.770	3.985	38451646	25006796	271.358	263.146
23) L5 AR-1248-3	4.960	4.022	46768383	24035232	266.515	262.578
24) L5 AR-1248-4	5.354	4.180	51110085	30240425	260.834	264.875
25) L5 AR-1248-5	5.388	4.555	49269427	29739427	263.606	261.213

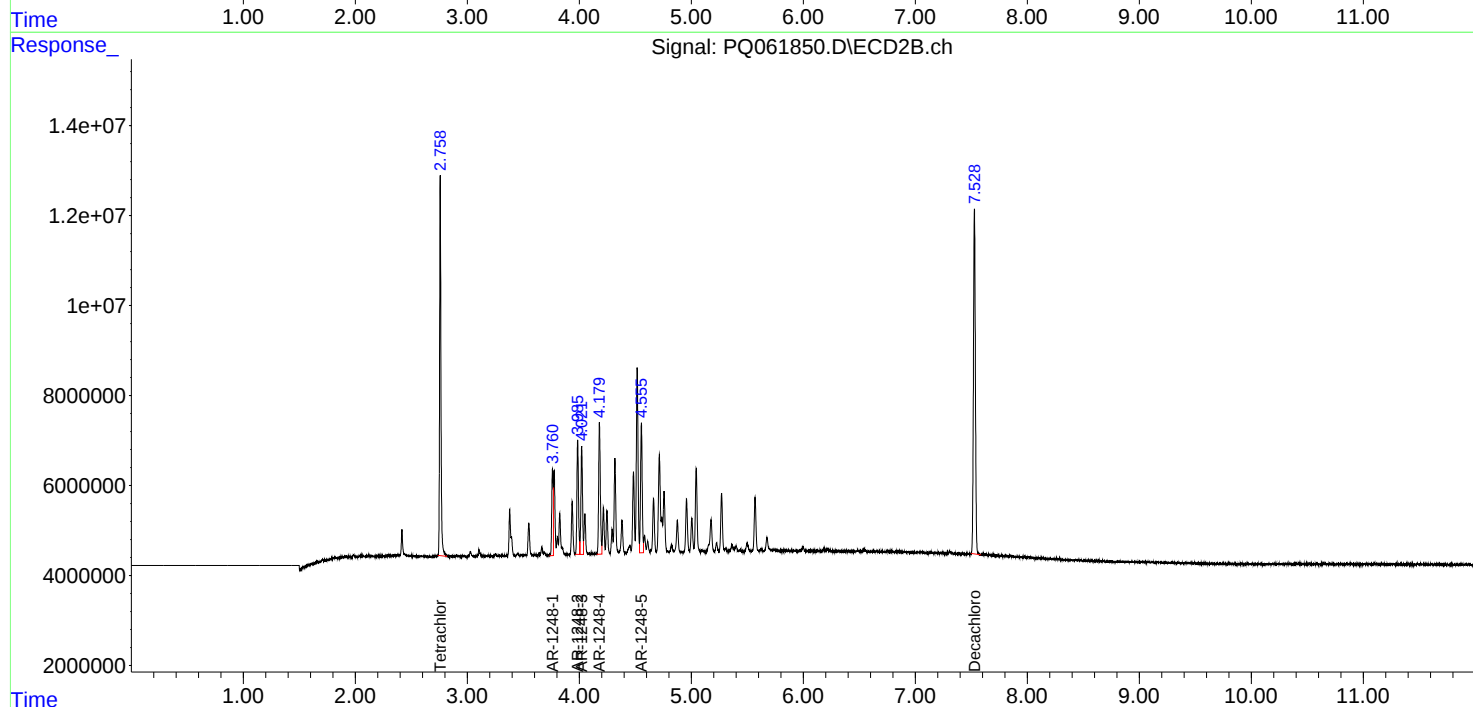
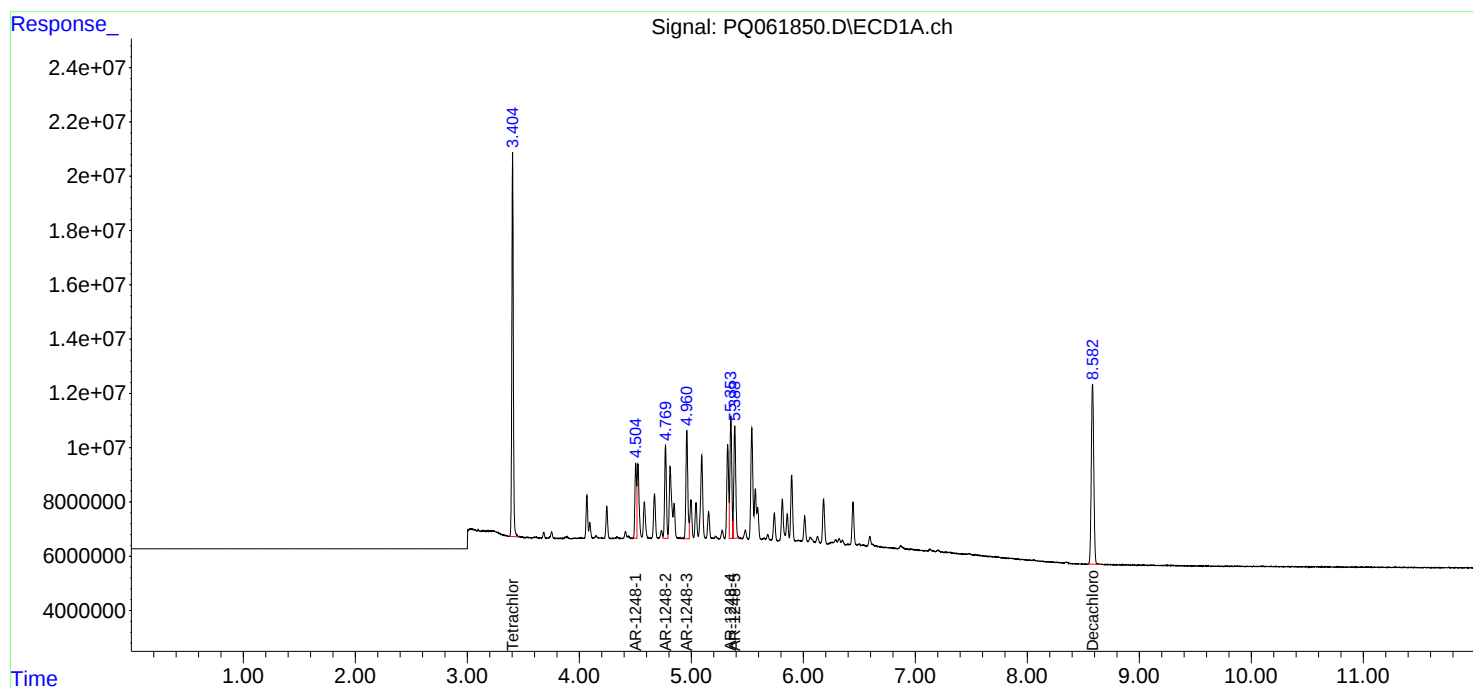
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061850.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 06:43
Operator : YP\AJ
Sample : AR1248ICC250
Misc :
ALS Vial : 51 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 08:22:32 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 08:22:25 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061851.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 06:58
 Operator : YP\AJ
 Sample : AR1248ICC050
 Misc :
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1248ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 08:31:48 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 08:31:40 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	22917595	11887071	4.477	4.443
2) SA Decachlor...	8.582	7.528	18849733	16792827	4.899	4.843
Target Compounds						
21) L5 AR-1248-1	4.505	3.760	4690312	2909259	45.108	46.533
22) L5 AR-1248-2	4.770	3.985	7126898	4436154	50.236	47.310
23) L5 AR-1248-3	4.960	4.021	8331998	4328785	47.964	47.809
24) L5 AR-1248-4	5.354	4.179	9060856	5376121	46.947	47.644
25) L5 AR-1248-5	5.389	4.554	7602806	5237938	42.253	46.754

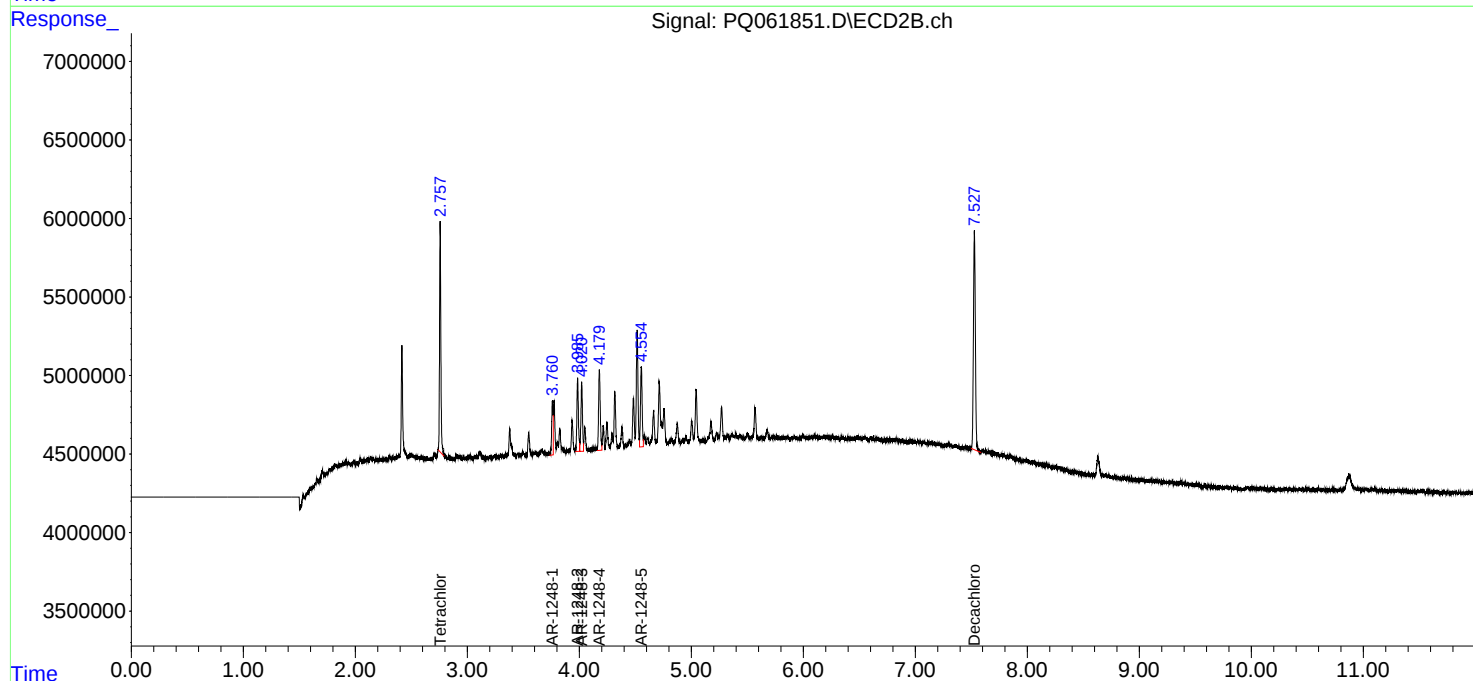
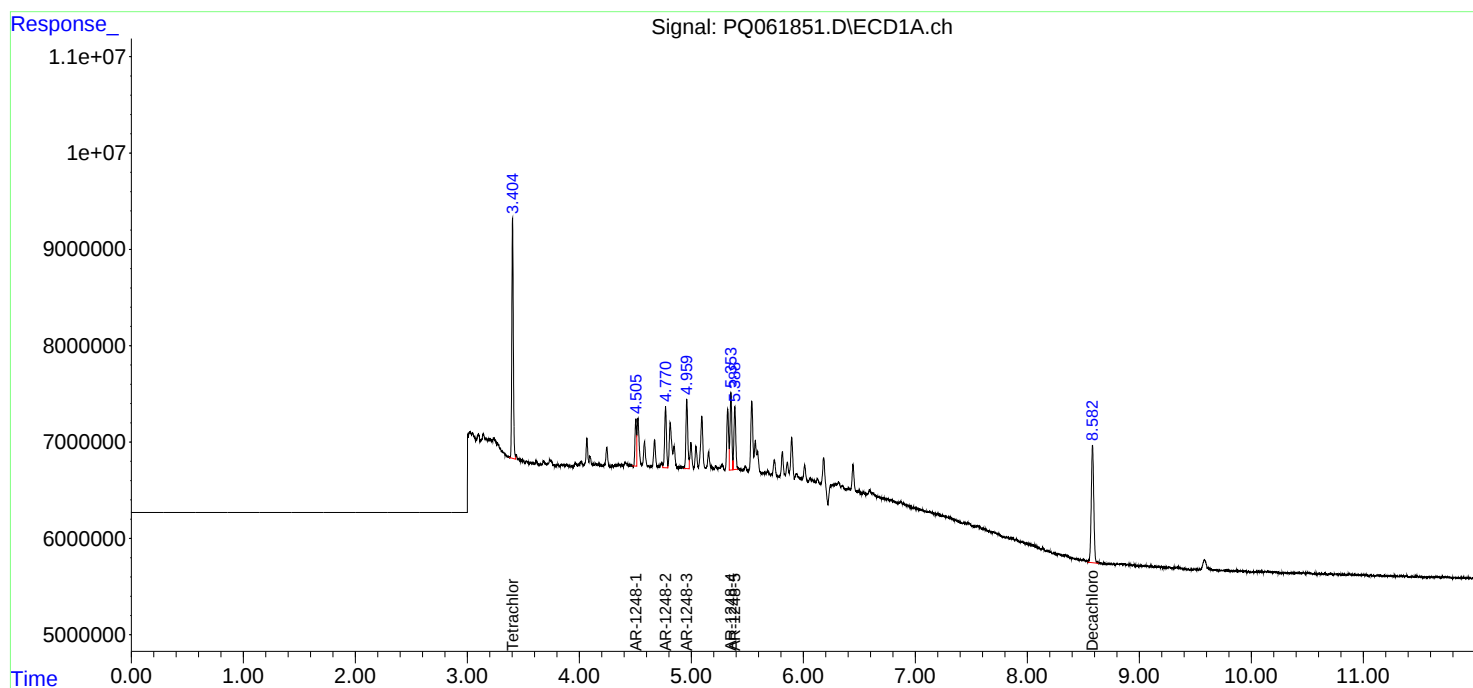
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061851.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 06:58
Operator : YP\AJ
Sample : AR1248ICC050
Misc :
ALS Vial : 52 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1248ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 08:31:48 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 08:31:40 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 07:12
 Operator : YP\AJ
 Sample : AR1254ICC1000
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 12:52:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 12:52:21 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	492.1E6	256.8E6	97.581	96.843
2) SA Decachlor...	8.583	7.528	351.3E6	322.4E6	95.781	96.538
Target Compounds						
26) L6 AR-1254-1	5.327	4.516	174.9E6	151.4E6	961.375	955.891
27) L6 AR-1254-2	5.544	4.662	272.9E6	137.8E6	960.732	950.991
28) L6 AR-1254-3	5.897	5.044	291.9E6	223.1E6	964.172	967.015
29) L6 AR-1254-4	6.182	5.270	218.6E6	144.9E6	965.211	967.146
30) L6 AR-1254-5	6.595	5.675	246.0E6	222.1E6	966.569	968.066

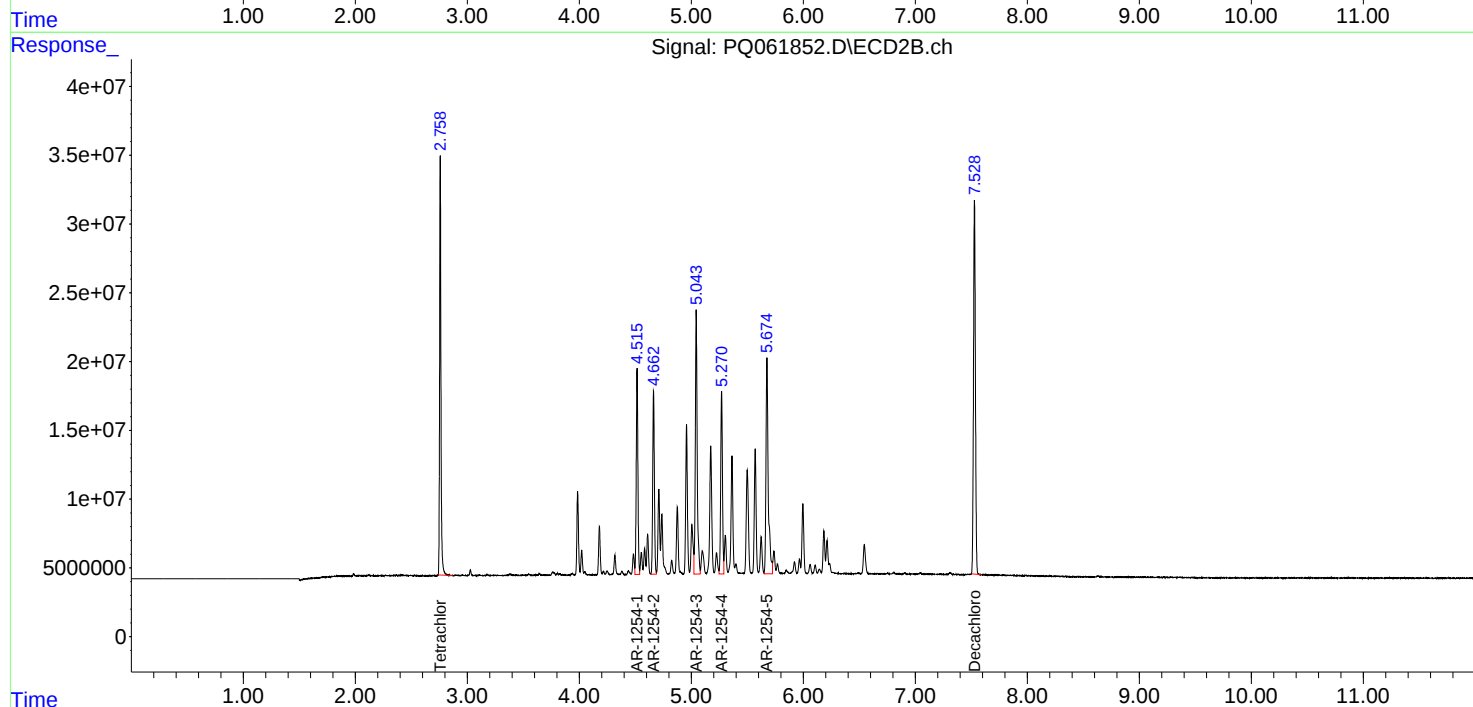
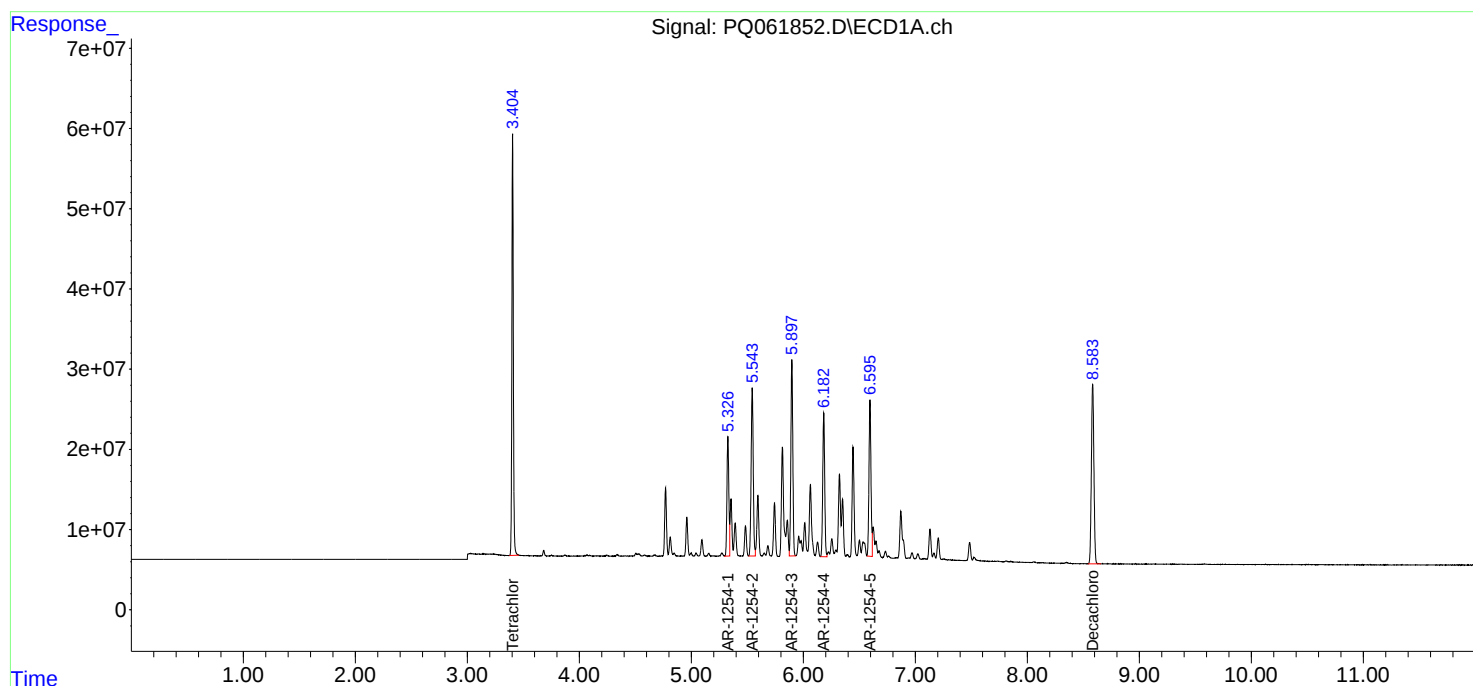
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 07:12
Operator : YP\AJ
Sample : AR1254ICC1000
Misc :
ALS Vial : 53 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 12:52:28 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 12:52:21 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061853.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 07:27
 Operator : YP\AJ
 Sample : AR1254ICC750
 Misc :
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 13:56:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 13:56:48 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	379.5E6	200.4E6	75.163	75.372
2) SA Decachlor...	8.583	7.528	275.1E6	251.1E6	75.001	75.125
Target Compounds						
26) L6 AR-1254-1	5.327	4.516	136.7E6	119.4E6	750.673	752.316
27) L6 AR-1254-2	5.544	4.662	213.0E6	108.2E6	750.004	748.133
28) L6 AR-1254-3	5.897	5.043	226.9E6	173.1E6	749.646	750.218
29) L6 AR-1254-4	6.182	5.270	170.1E6	112.7E6	750.720	751.624
30) L6 AR-1254-5	6.595	5.676	191.9E6	172.0E6	752.628	749.674

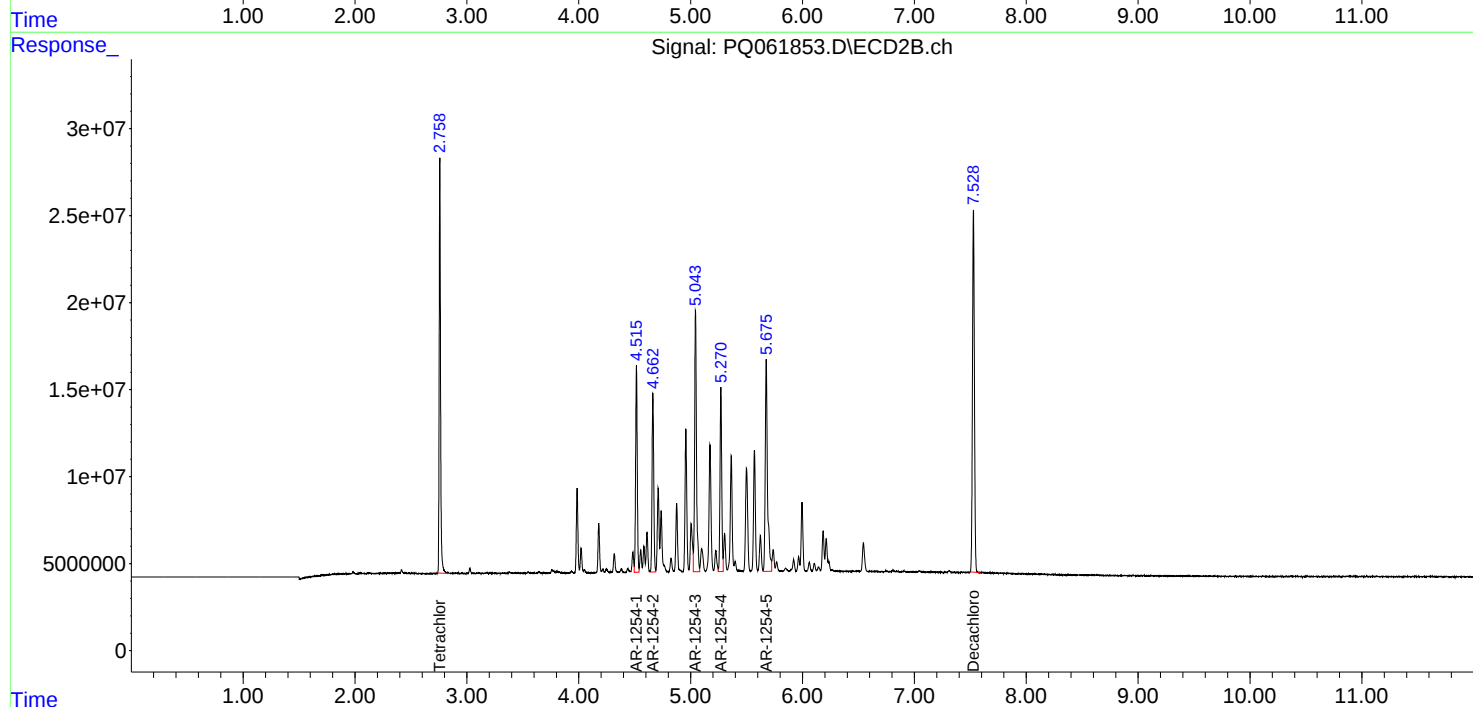
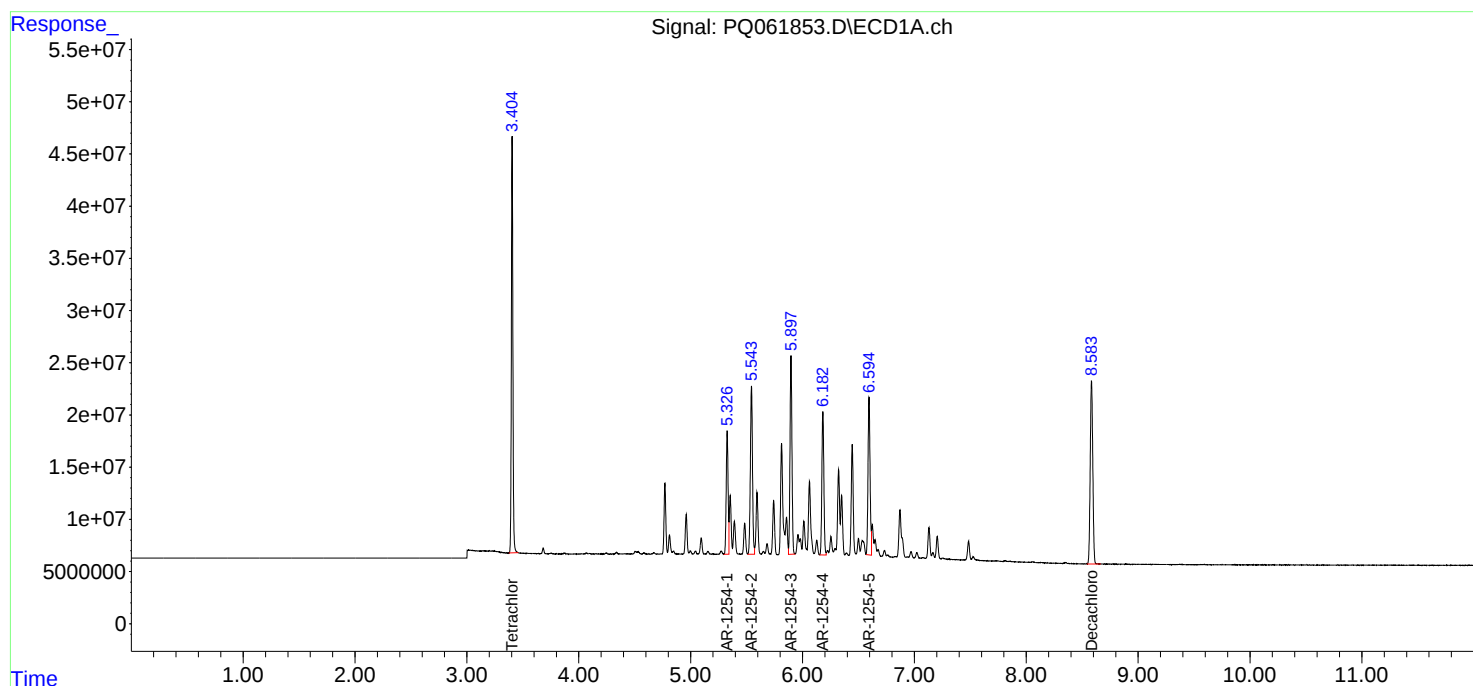
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061853.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 07:27
Operator : YP\AJ
Sample : AR1254ICC750
Misc :
ALS Vial : 54 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 13:56:57 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 13:56:48 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061854.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 07:42
 Operator : YP\AJ
 Sample : AR1254ICC500
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 12:49:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 12:39:51 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	258.3E6	136.8E6	50.000	50.000
2) SA Decachlor...	8.583	7.528	191.1E6	172.8E6	50.000	50.000
Target Compounds						
26) L6 AR-1254-1	5.327	4.515	94502411	82705755	500.000	500.000
27) L6 AR-1254-2	5.543	4.662	147.6E6	75982374	500.000	500.000
28) L6 AR-1254-3	5.897	5.043	156.8E6	119.2E6	500.000	500.000
29) L6 AR-1254-4	6.182	5.270	117.2E6	77357546	500.000	500.000
30) L6 AR-1254-5	6.594	5.675	131.5E6	118.4E6	500.000	500.000

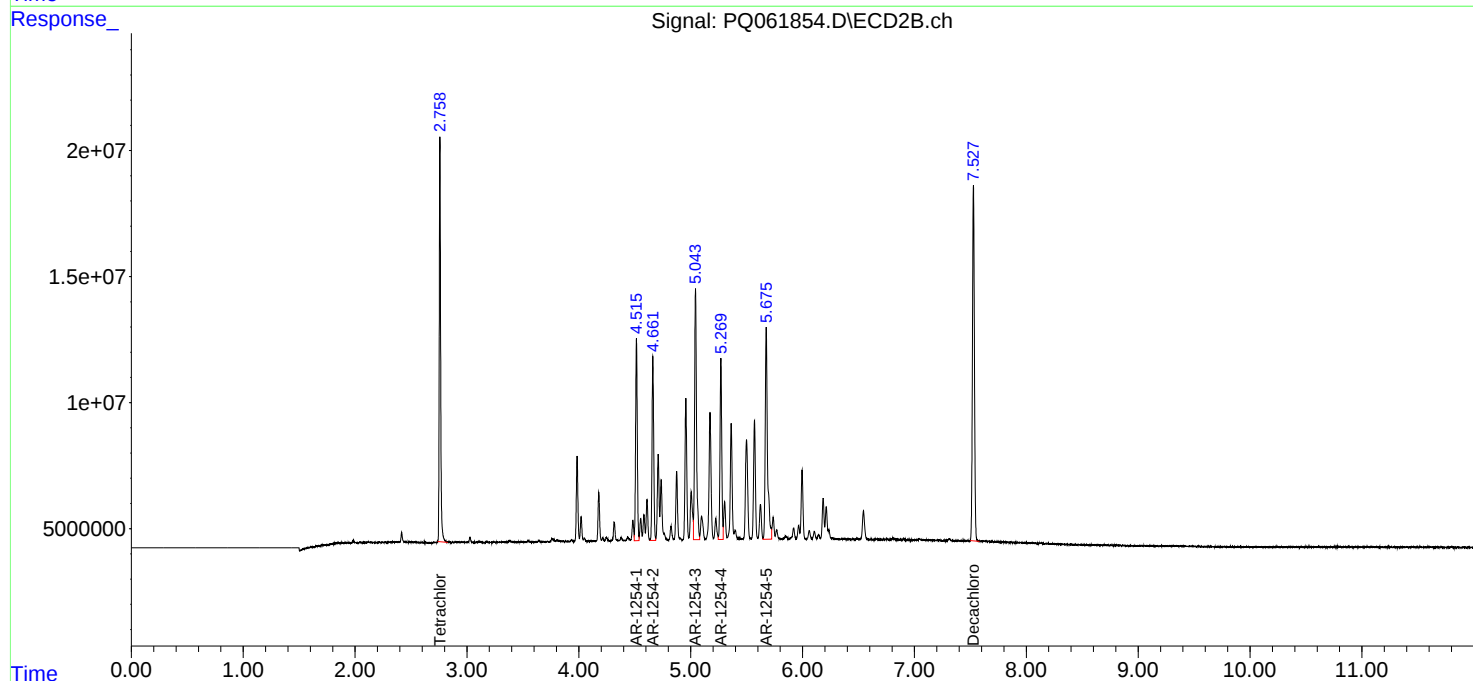
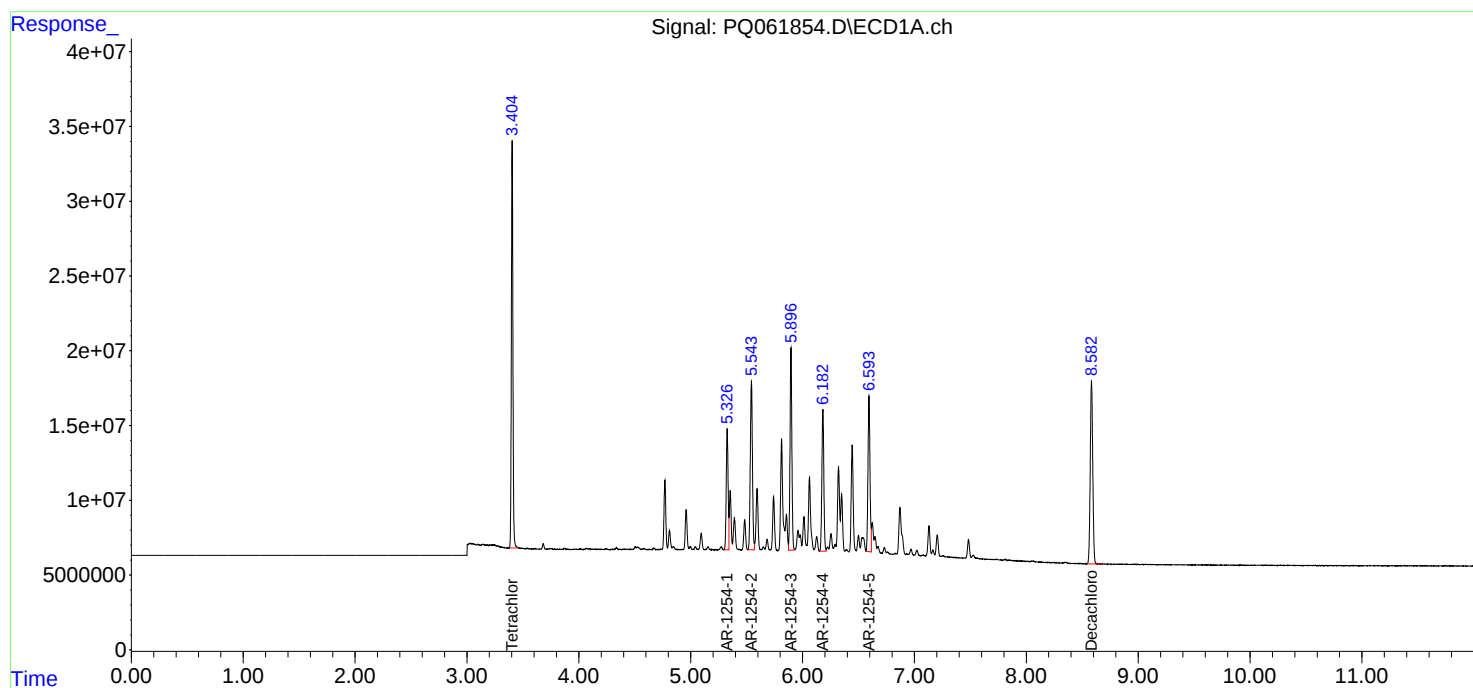
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061854.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 07:42
Operator : YP\AJ
Sample : AR1254ICC500
Misc :
ALS Vial : 55 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 12:49:14 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 12:39:51 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061855.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 07:56
 Operator : YP\AJ
 Sample : AR1254ICC250
 Misc :
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:01:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:01:17 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	133.0E6	69904731	25.997	25.960
2) SA Decachlor...	8.583	7.528	100.9E6	90881715	26.831	26.605
Target Compounds						
26) L6 AR-1254-1	5.327	4.515	50265182	43280715	269.073	266.700
27) L6 AR-1254-2	5.544	4.662	78241895	39903255	268.616	268.859
28) L6 AR-1254-3	5.897	5.043	82466099	62202393	266.442	264.389
29) L6 AR-1254-4	6.182	5.270	61550386	40641548	265.888	265.443
30) L6 AR-1254-5	6.595	5.675	68727462	61480681	264.356	263.249

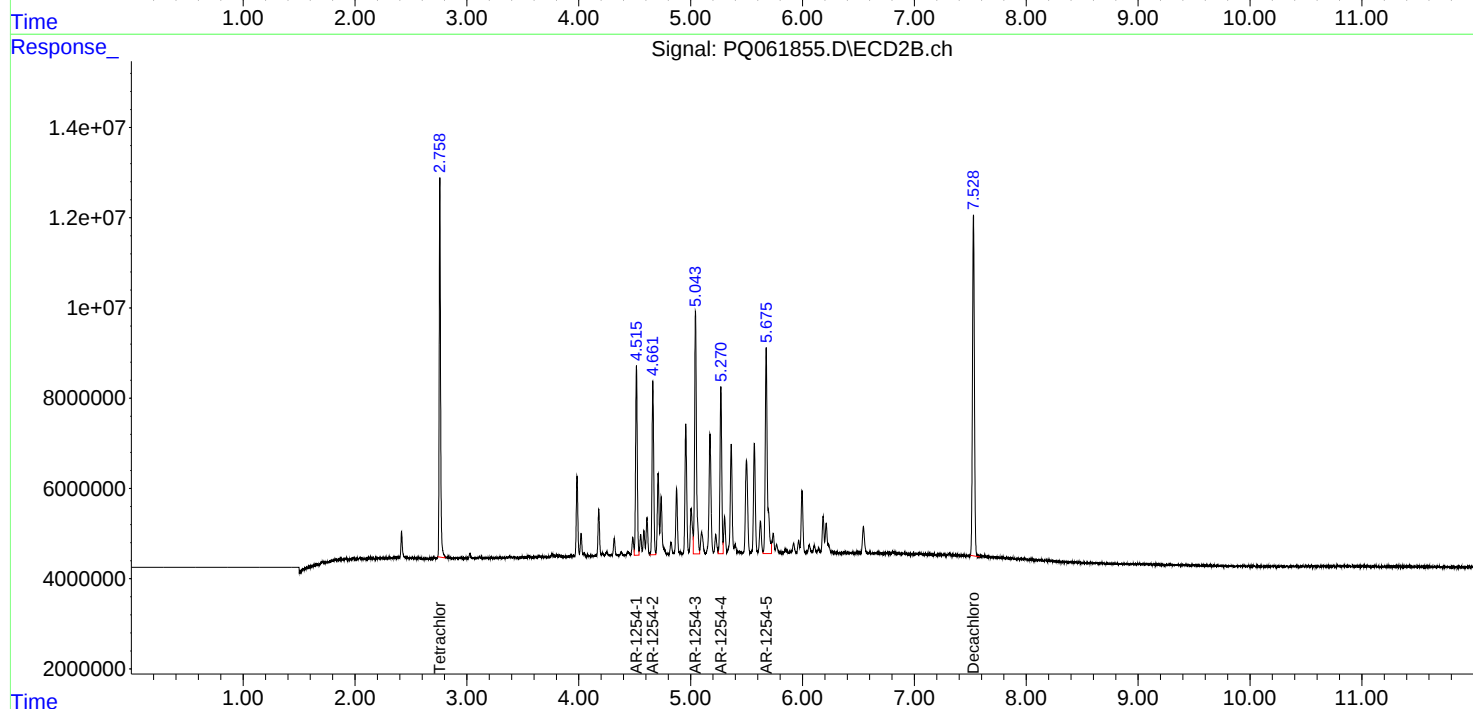
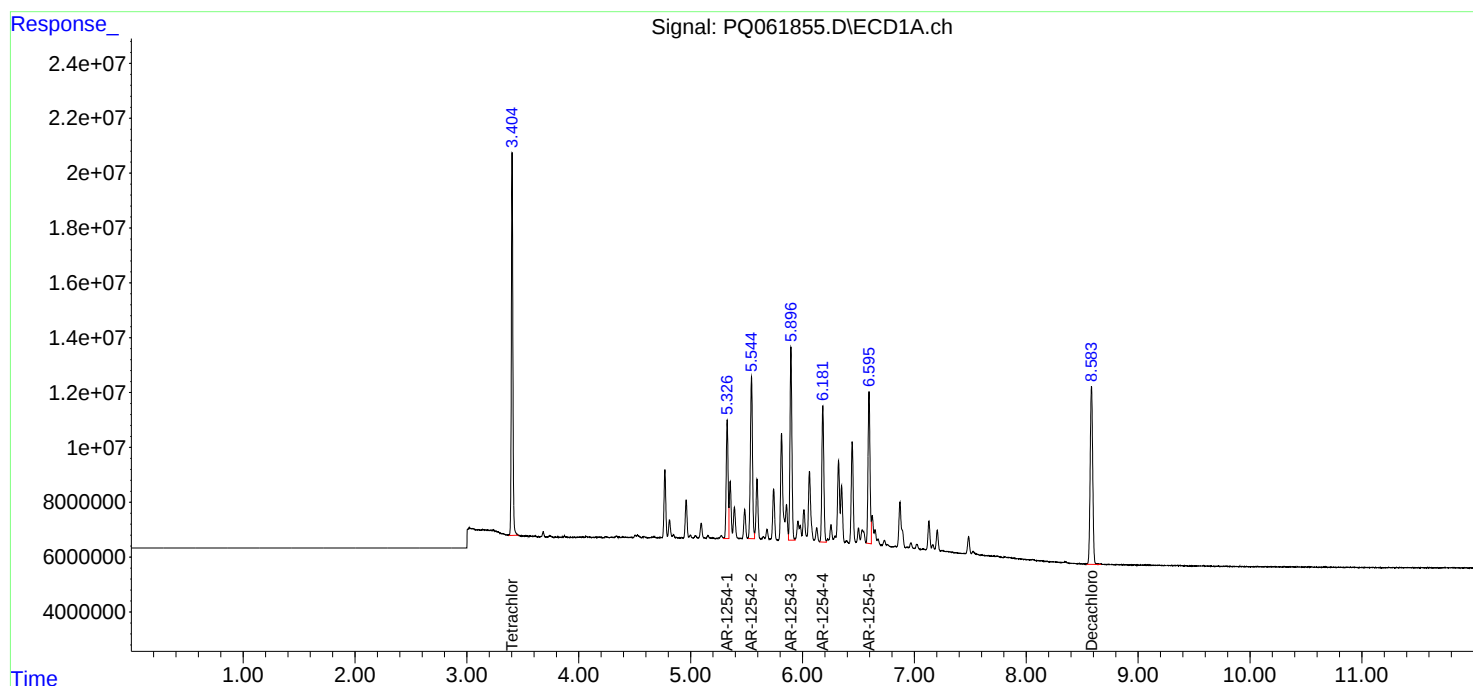
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061855.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 07:56
Operator : YP\AJ
Sample : AR1254ICC250
Misc :
ALS Vial : 56 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:01:28 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:01:17 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 08:11
 Operator : YP\AJ
 Sample : AR1254ICC050
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1254ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:04:19 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:04:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	22901719	11930085	4.572	4.534
2) SA Decachlor...	8.583	7.529	17953946	16246486	4.818	4.803
Target Compounds						
26) L6 AR-1254-1	5.326	4.516	9093640	7909267	48.938	48.985
27) L6 AR-1254-2	5.543	4.663	14422747	7122759	49.612	48.380
28) L6 AR-1254-3	5.897	5.044	14883324	11371481	48.458	48.658
29) L6 AR-1254-4	6.182	5.270	11750330	7481832	50.606	49.089
30) L6 AR-1254-5	6.595	5.675	12221408	10989897	47.578	47.617

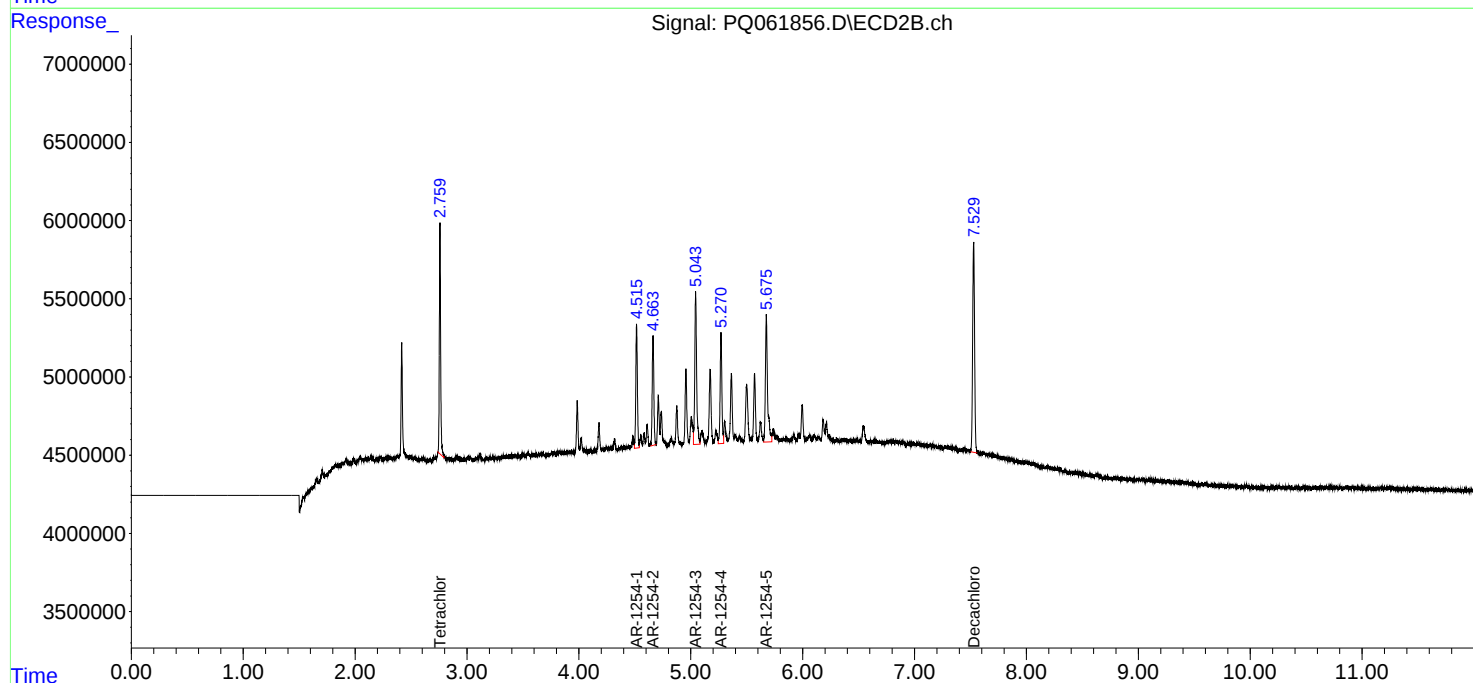
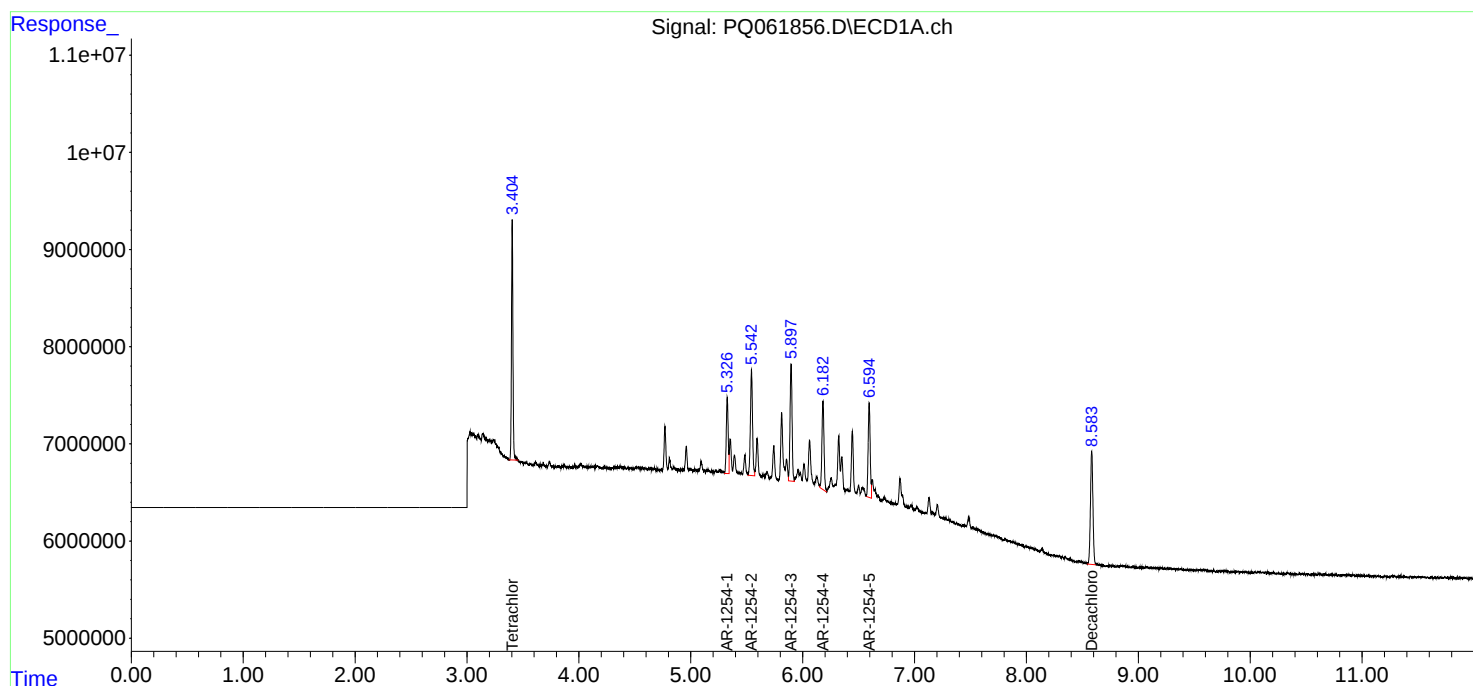
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 08:11
Operator : YP\AJ
Sample : AR1254ICC050
Misc :
ALS Vial : 57 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1254ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:04:19 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:04:07 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061857.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 08:25
 Operator : YP\AJ
 Sample : AR1262ICC500
 Misc :
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1262ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 04 05:24:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:22:12 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	257.6E6	134.7E6	50.000	50.000
2) SA Decachlor...	8.583	7.528	190.6E6	173.1E6	50.000	50.000
Target Compounds						
36) L8 AR-1262-1	6.675	5.718	152.5E6	116.2E6	500.000	500.000
37) L8 AR-1262-2	7.204	5.965	263.4E6	108.1E6	500.000	500.000
38) L8 AR-1262-3	7.479	6.489	176.2E6	87163877	500.000	500.000
39) L8 AR-1262-4	7.553	6.550	133.4E6	161.1E6	500.000	500.000
40) L8 AR-1262-5	8.057	7.044	88754429	77557404	500.000	500.000

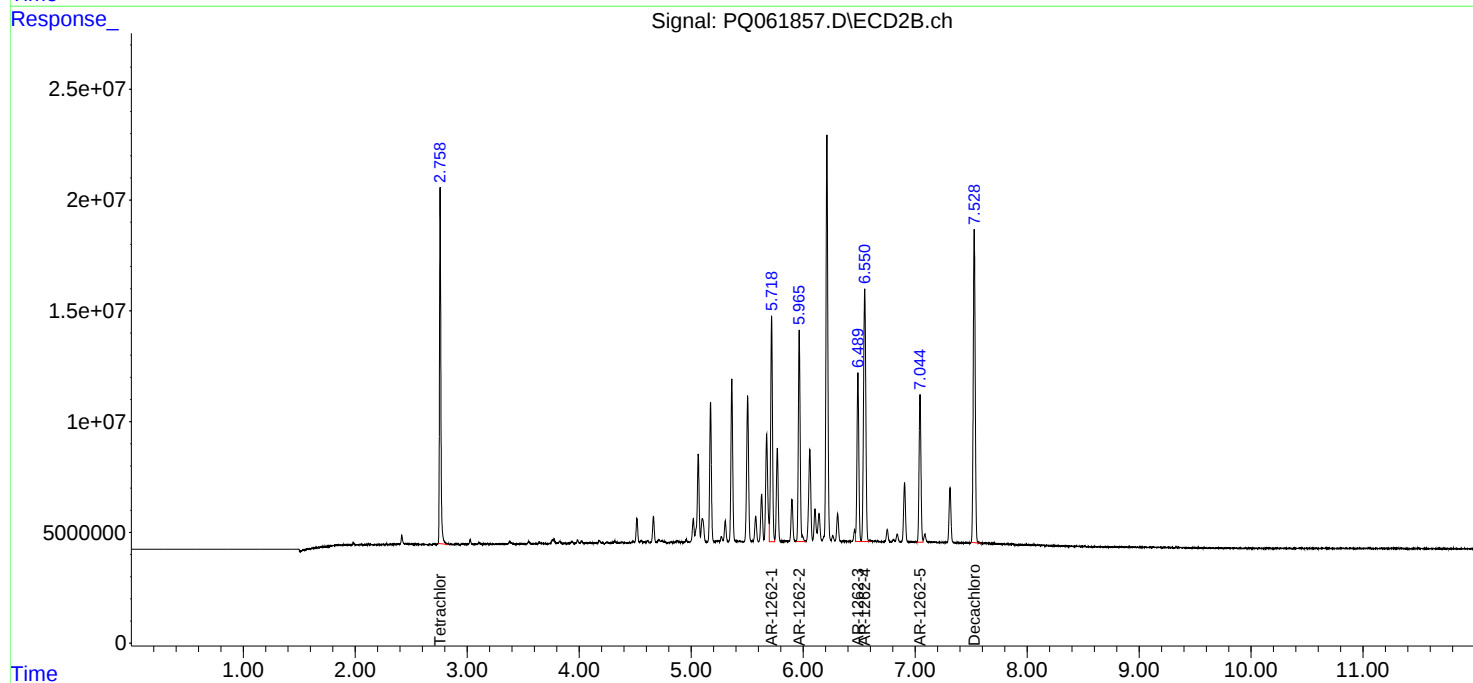
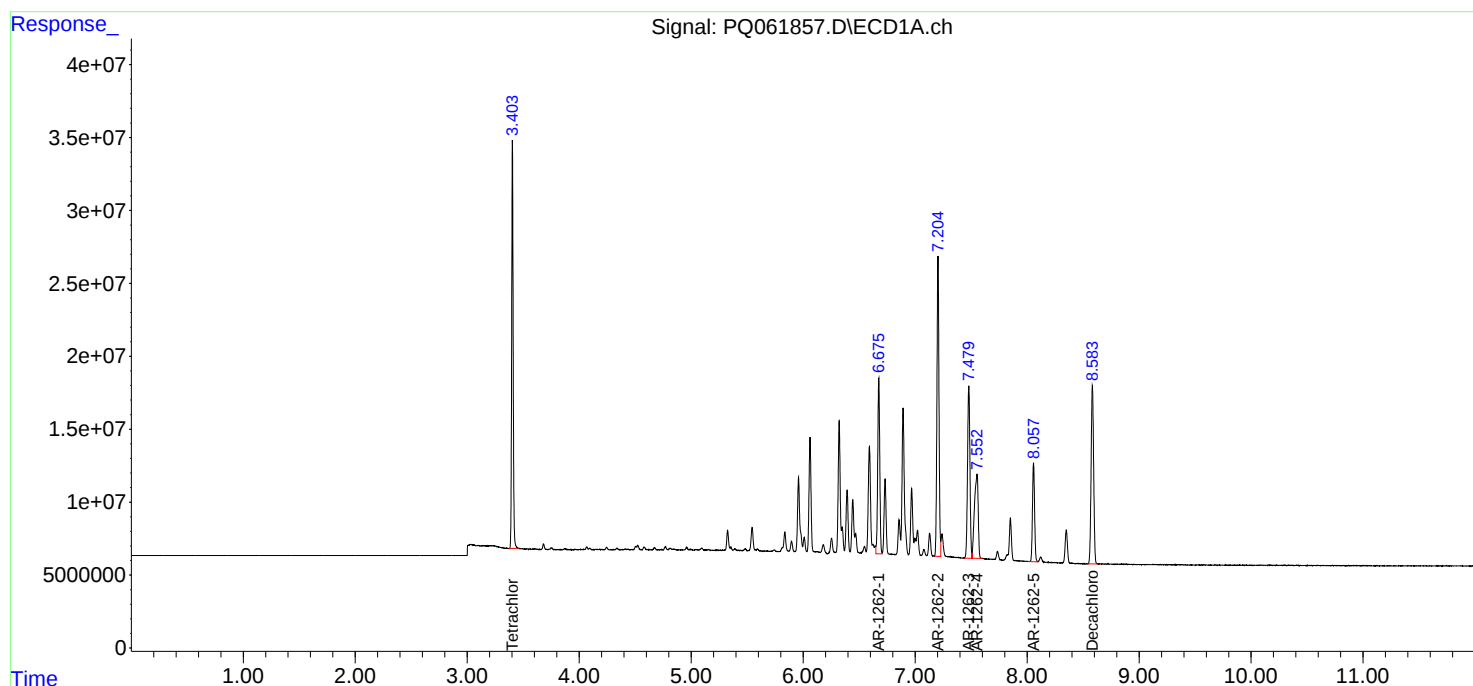
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061857.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 08:25
Operator : YP\AJ
Sample : AR1262ICC500
Misc :
ALS Vial : 58 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1262ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 05:24:26 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:22:12 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061858.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 08:40
 Operator : YP\AJ
 Sample : AR1268ICC1000
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC1000

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:24:25 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:15:41 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	444.0E6	229.2E6	93.777	92.350
2) SA Decachlor...	8.583	7.528	570.7E6	508.6E6	95.830	94.763
Target Compounds						
41) L9 AR-1268-1	7.477	6.490	531.4E6	433.6E6	959.115	948.568
42) L9 AR-1268-2	7.556	6.552	480.8E6	394.5E6	959.538	949.823
43) L9 AR-1268-3	7.737	6.752	403.4E6	341.3E6	961.578	948.964
44) L9 AR-1268-4	8.058	7.044	170.7E6	146.8E6	953.333	945.278
45) L9 AR-1268-5	8.350	7.312	1210.4E6	1093.5E6	969.964	955.158

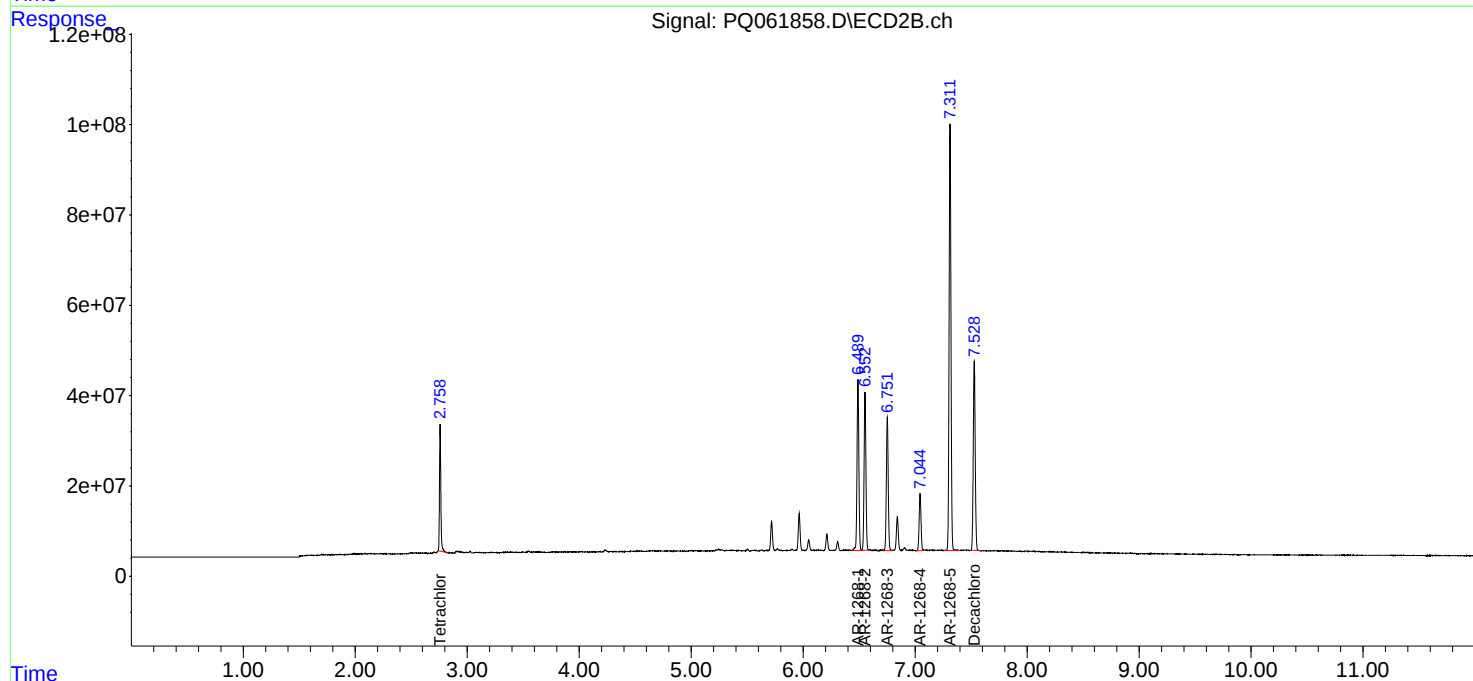
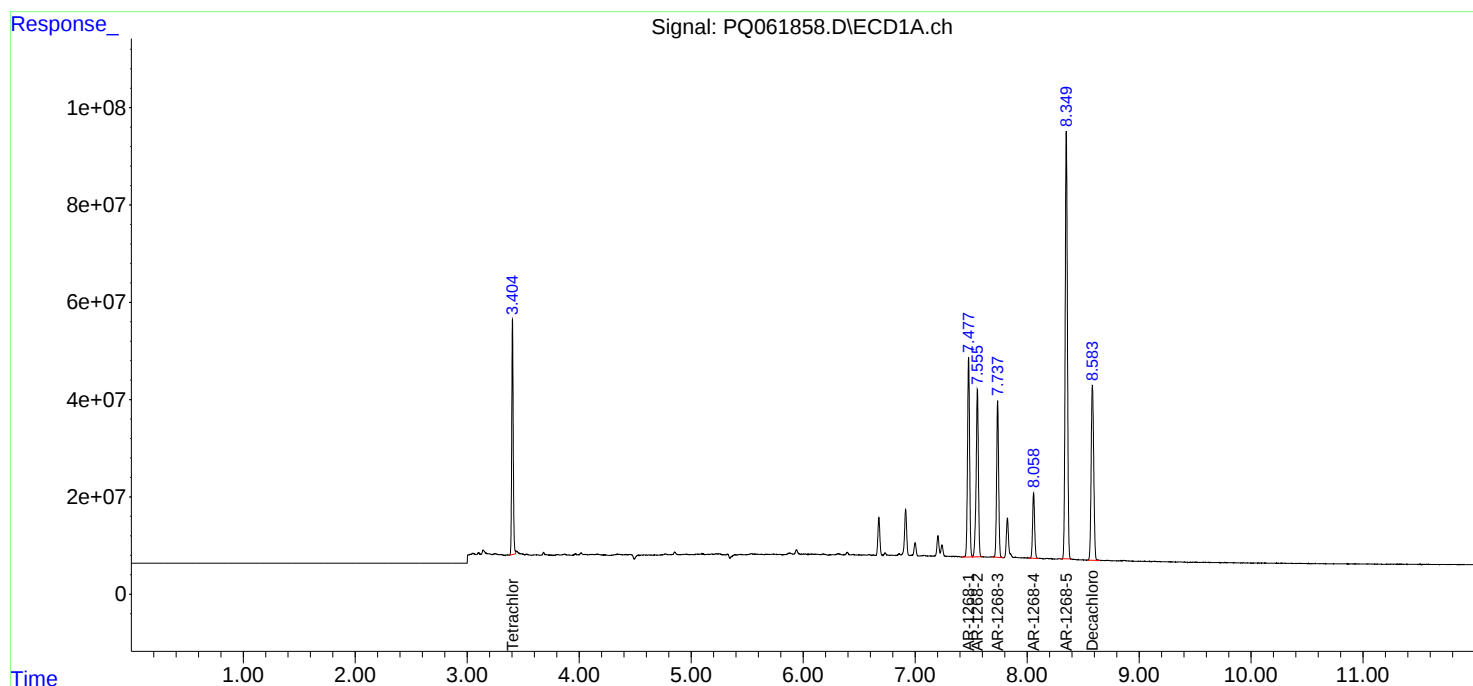
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061858.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 08:40
Operator : YP\AJ
Sample : AR1268ICC1000
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC1000

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:24:25 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:15:41 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061859.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 08:55
 Operator : YP\AJ
 Sample : AR1268ICC750
 Misc :
 ALS Vial : 60 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC750

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:28:15 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:15:41 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	373.2E6	195.7E6	77.509	77.530
2) SA Decachlor...	8.584	7.528	453.0E6	413.8E6	75.714	76.391
Target Compounds						
41) L9 AR-1268-1	7.477	6.490	424.7E6	352.6E6	760.977	764.150
42) L9 AR-1268-2	7.556	6.553	384.1E6	320.4E6	760.987	764.236
43) L9 AR-1268-3	7.737	6.751	320.1E6	276.6E6	758.661	762.653
44) L9 AR-1268-4	8.059	7.045	136.8E6	120.3E6	759.323	766.065
45) L9 AR-1268-5	8.351	7.313	956.0E6	889.4E6	760.620	767.679

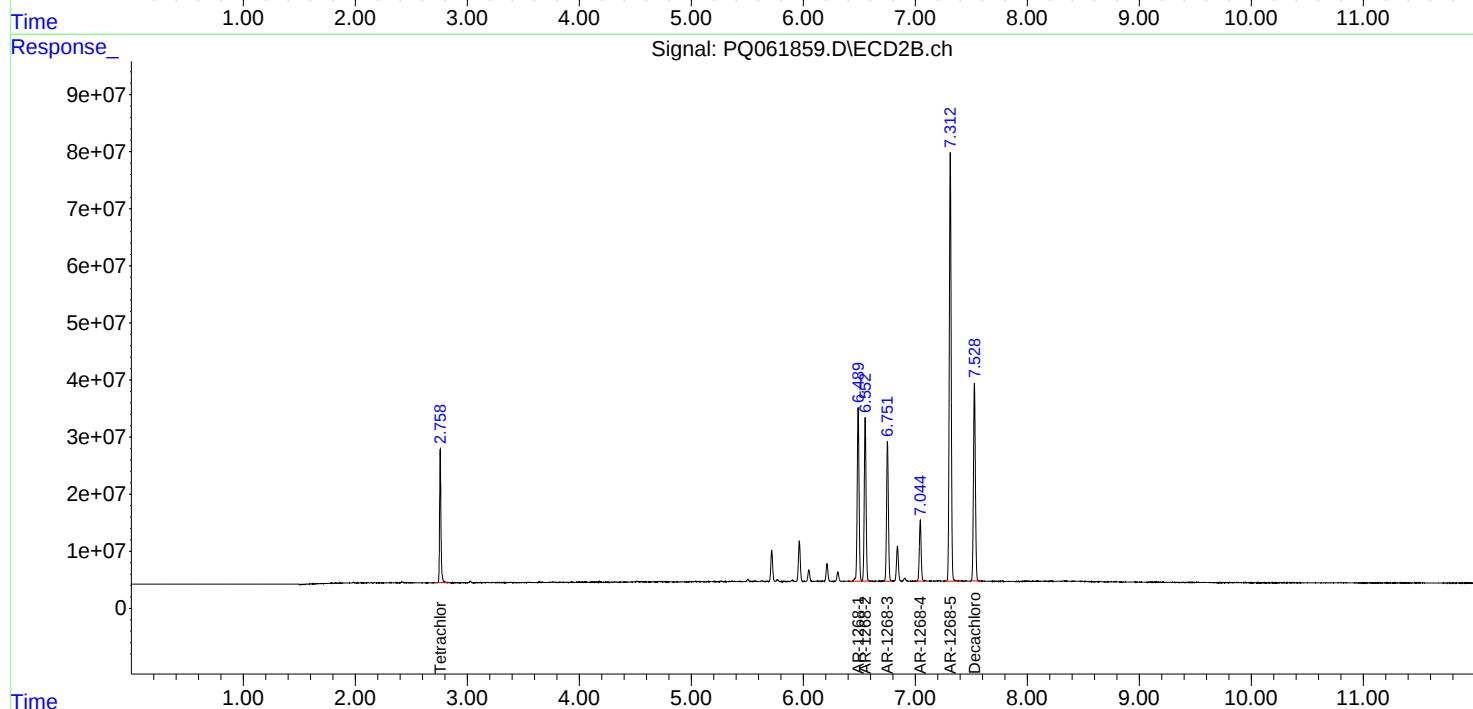
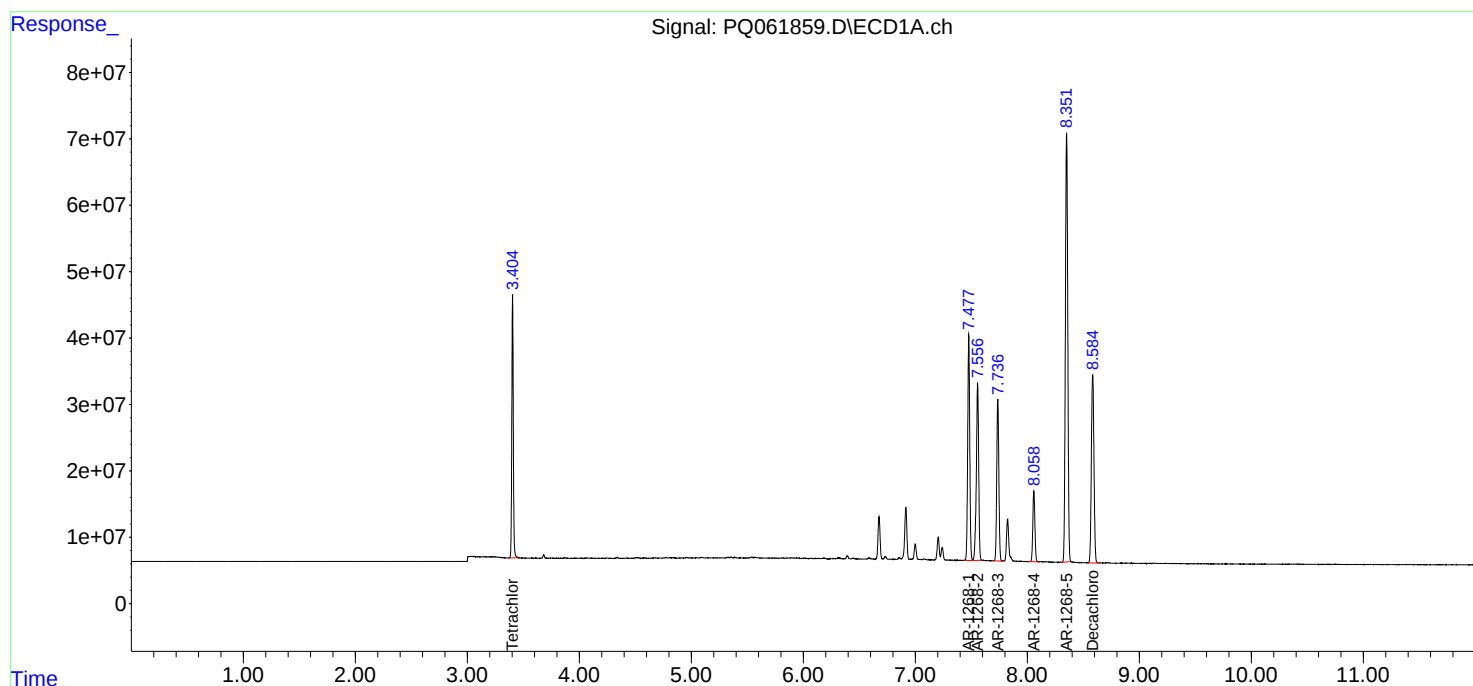
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061859.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 08:55
Operator : YP\AJ
Sample : AR1268ICC750
Misc :
ALS Vial : 60 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC750

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:28:15 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:15:41 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061860.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 09:09
 Operator : YP\AJ
 Sample : AR1268ICC500
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:16:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:15:41 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	251.5E6	133.6E6	50.000	50.000
2) SA Decachlor...	8.583	7.529	310.2E6	282.4E6	50.000	50.000
Target Compounds						
41) L9 AR-1268-1	7.477	6.490	288.3E6	240.3E6	500.000	500.000
42) L9 AR-1268-2	7.556	6.553	260.7E6	218.1E6	500.000	500.000
43) L9 AR-1268-3	7.738	6.752	217.8E6	189.0E6	500.000	500.000
44) L9 AR-1268-4	8.059	7.044	93702259	81917754	500.000	500.000
45) L9 AR-1268-5	8.351	7.313	642.7E6	598.1E6	500.000	500.000

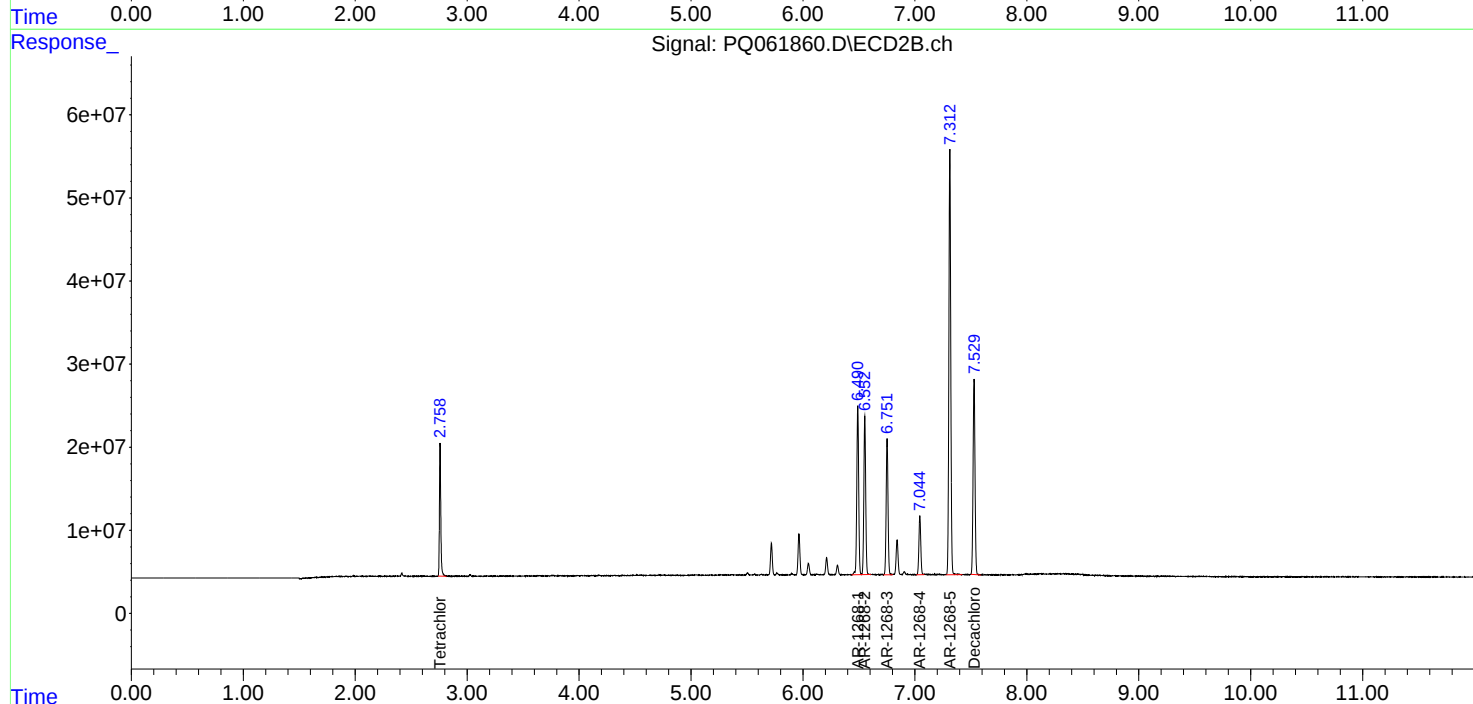
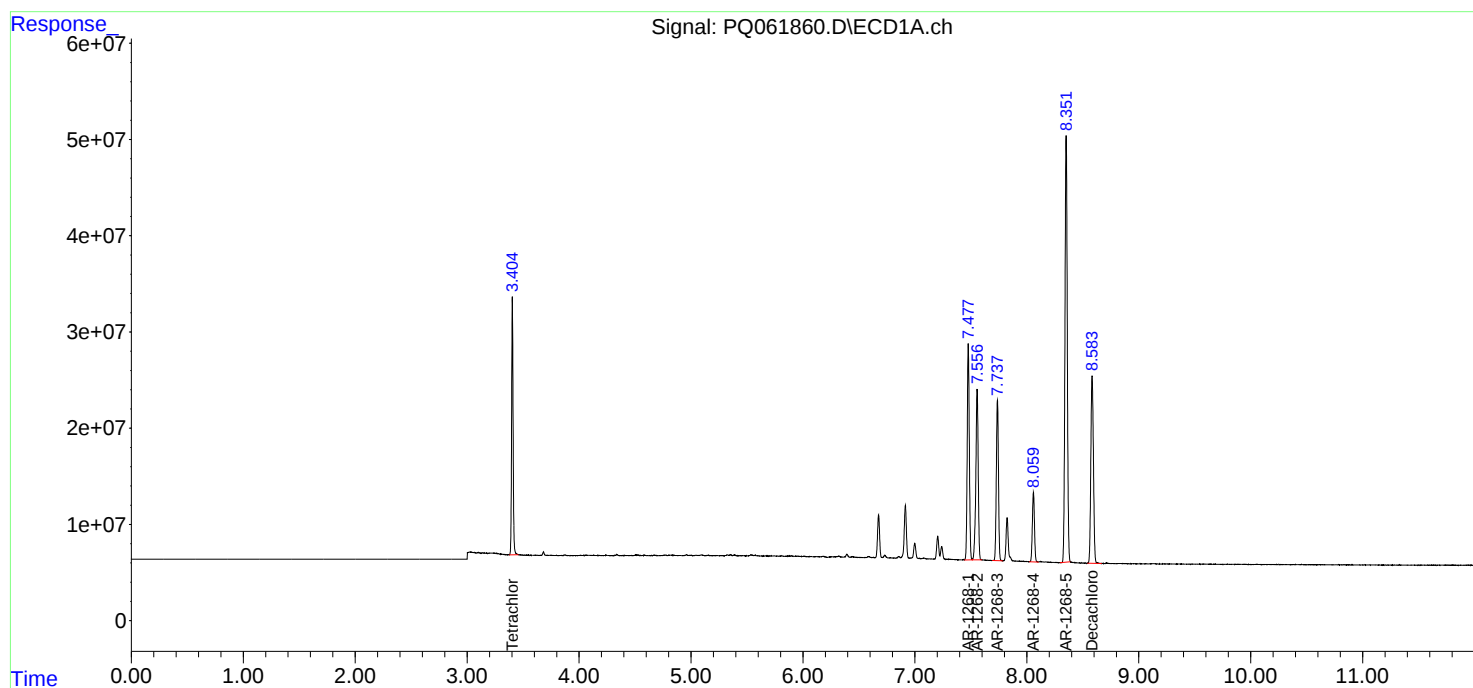
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061860.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 09:09
Operator : YP\AJ
Sample : AR1268ICC500
Misc :
ALS Vial : 61 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:16:59 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:15:41 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061861.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 09:24
 Operator : YP\AJ
 Sample : AR1268ICC250
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC250

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:30:14 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:15:41 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	128.9E6	68132858	26.298	26.465
2) SA Decachlor...	8.584	7.528	163.2E6	148.3E6	26.672	26.748
Target Compounds						
41) L9 AR-1268-1	7.477	6.489	151.0E6	124.9E6	265.164	265.201
42) L9 AR-1268-2	7.557	6.552	135.4E6	112.6E6	263.439	263.685
43) L9 AR-1268-3	7.737	6.751	113.6E6	98090136	264.191	265.031
44) L9 AR-1268-4	8.058	7.044	48838203	42698479	265.476	266.099
45) L9 AR-1268-5	8.351	7.312	331.9E6	310.4E6	260.388	263.183

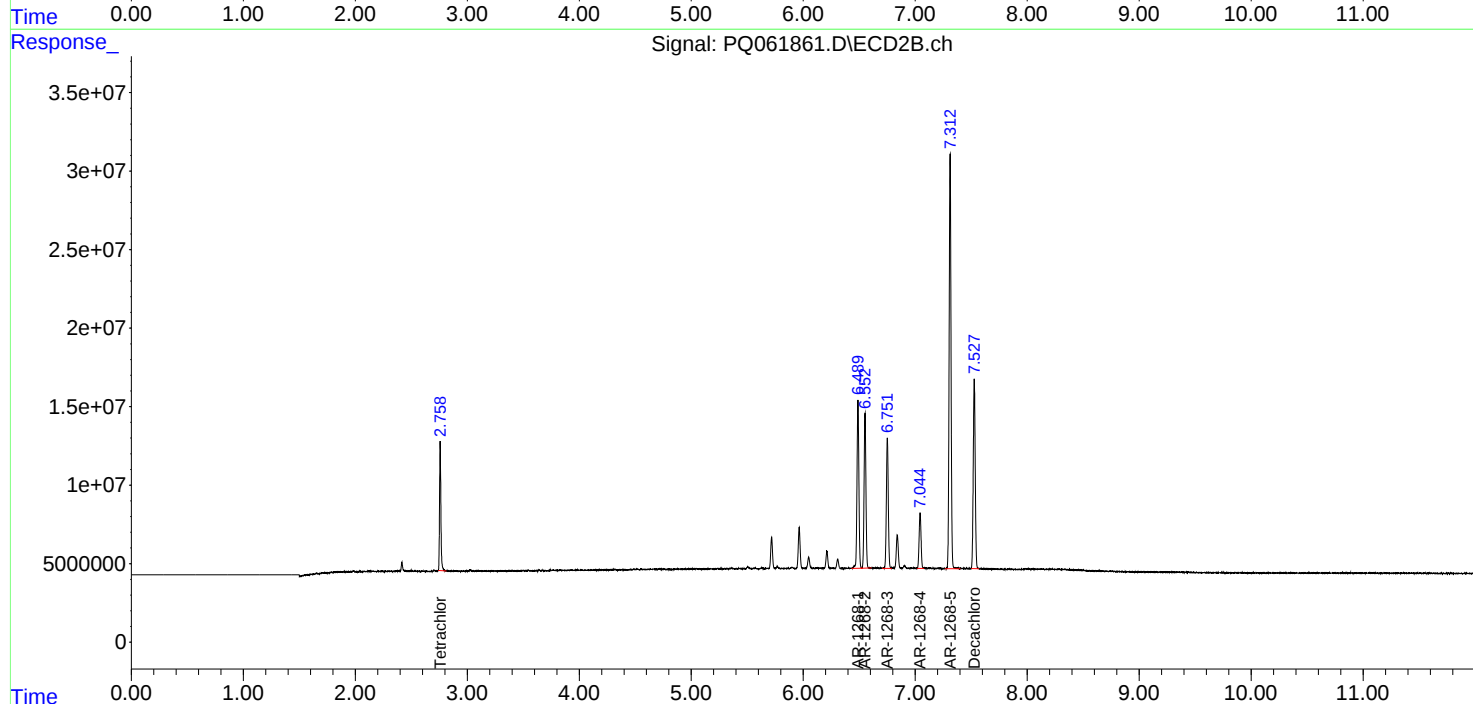
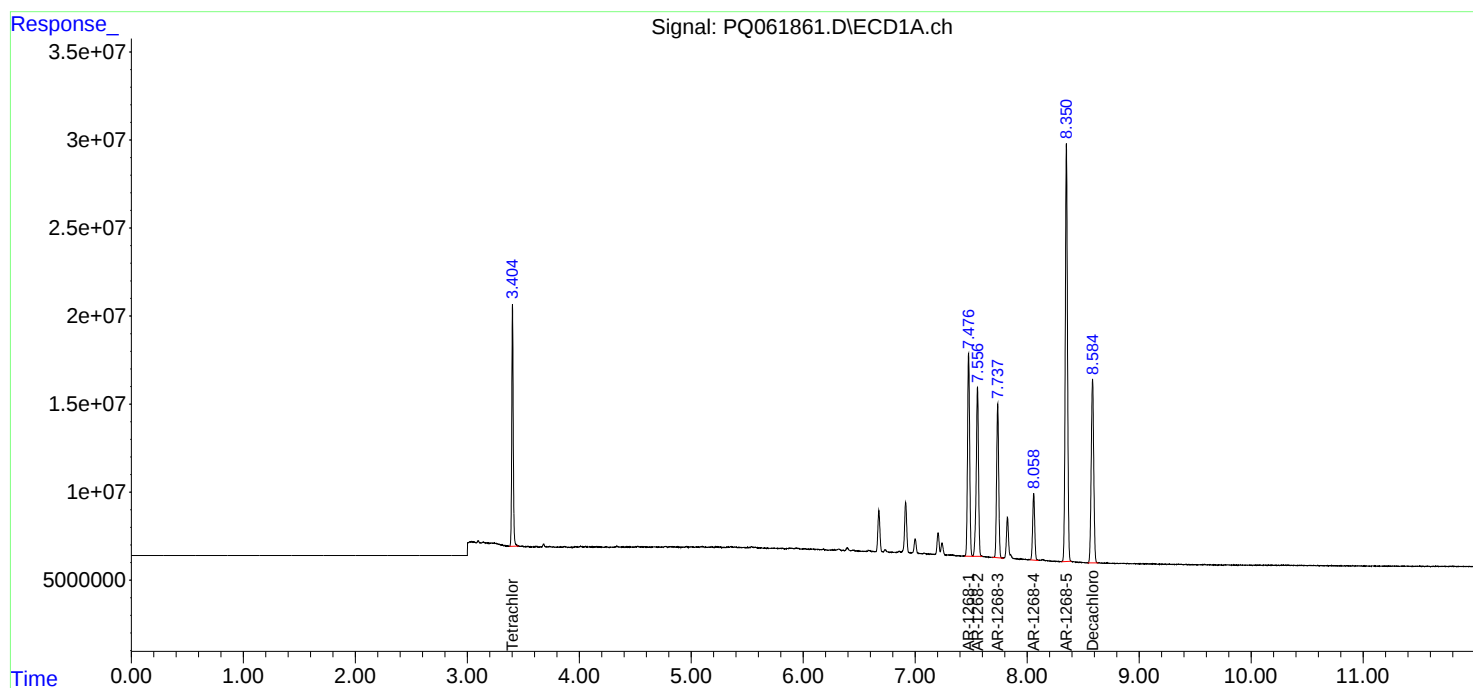
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061861.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 09:24
Operator : YP\AJ
Sample : AR1268ICC250
Misc :
ALS Vial : 62 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC250

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:30:14 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:15:41 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 09:39
 Operator : YP\AJ
 Sample : AR1268ICC050
 Misc :
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1268ICC050

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:32:09 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:15:41 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	22872803	11669832	4.730	4.619
2) SA Decachlor...	8.583	7.527	30111742	27668285	4.936	4.991
Target Compounds						
41) L9 AR-1268-1	7.477	6.490	27941221	23435049	49.237	49.805
42) L9 AR-1268-2	7.556	6.552	24675608	20508400	48.396	48.403
43) L9 AR-1268-3	7.737	6.751	20674750	18058189	48.444	49.029
44) L9 AR-1268-4	8.057	7.044	8953316	7891846	48.929	49.344
45) L9 AR-1268-5	8.350	7.311	60294799	55886197	47.824	47.891

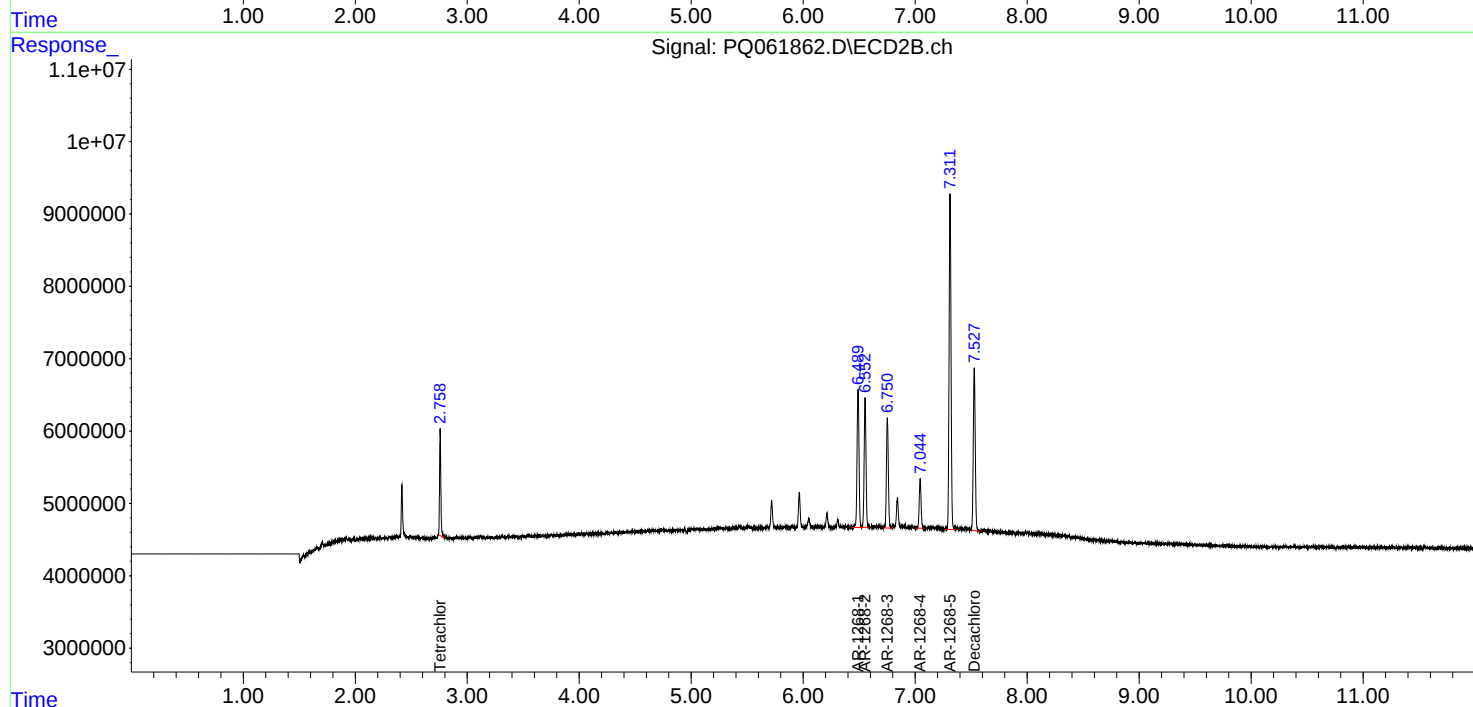
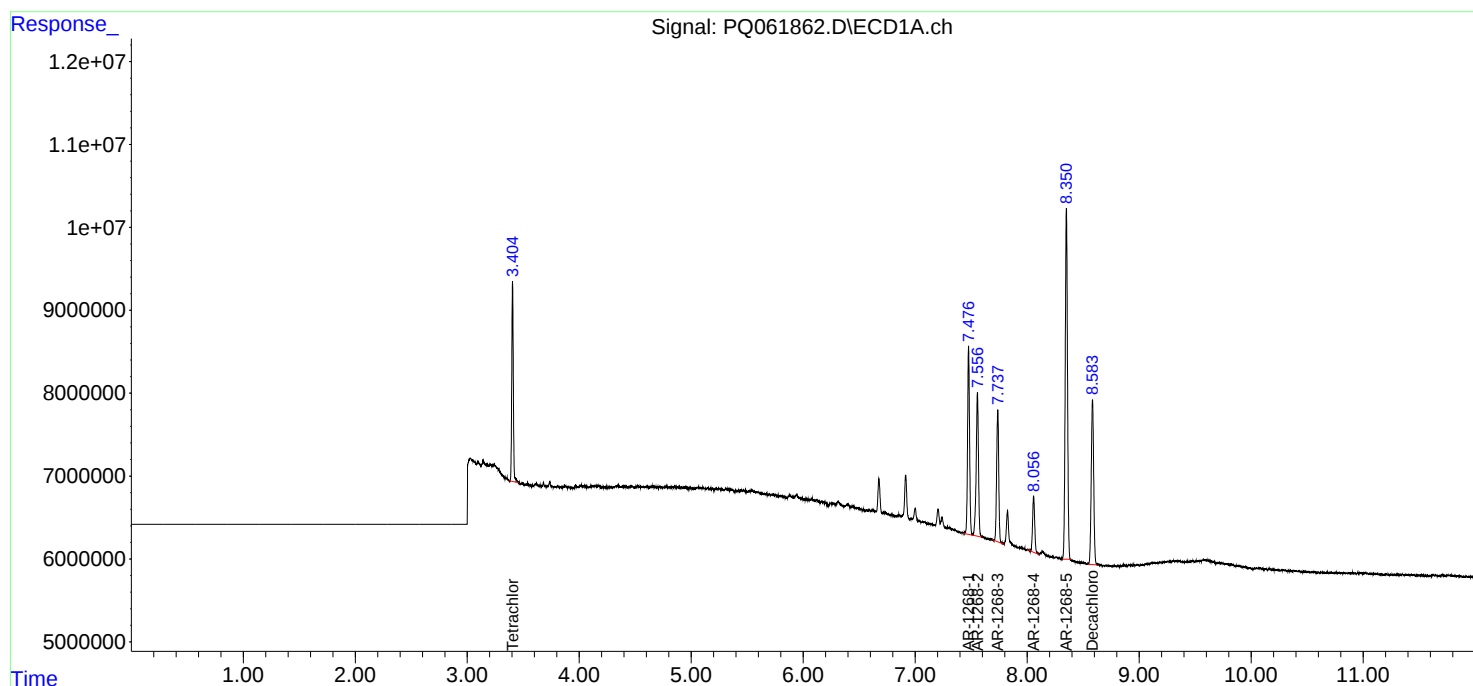
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061862.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 09:39
Operator : YP\AJ
Sample : AR1268ICC050
Misc :
ALS Vial : 63 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1268ICC050

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:32:09 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:15:41 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µm Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061863.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 09:53
 Operator : YP\AJ
 Sample : PQ070123ICV500
 Misc :
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ070123

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:44:06 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:41:48 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.758	252.2E6	129.8E6	51.710	51.749
2)	SA Decachlor...	8.583	7.528	187.6E6	171.0E6	51.639	51.309
Target Compounds							
3)	L1 AR-1016-1	4.504	3.760	85565071	50065540	519.464	505.838
4)	L1 AR-1016-2	4.524	3.775	126.8E6	73950550	512.909	512.837
5)	L1 AR-1016-3	4.581	3.935	78049054	39094610	512.114	518.203
6)	L1 AR-1016-4	4.672	3.985	63846590	33820324	509.366	514.932
7)	L1 AR-1016-5	4.960	4.179	61684577	41211552	506.787	502.693
31)	L7 AR-1260-1	6.062	5.172	121.0E6	85670061	512.802	514.371
32)	L7 AR-1260-2	6.322	5.363	147.4E6	105.0E6	510.423	504.780
33)	L7 AR-1260-3	6.676	5.503	90954107	98811479	515.098	507.875
34)	L7 AR-1260-4	6.893	5.965	109.1E6	75530522	517.776	517.823
35)	L7 AR-1260-5	7.204	6.212	213.0E6	171.2E6	518.724	515.687

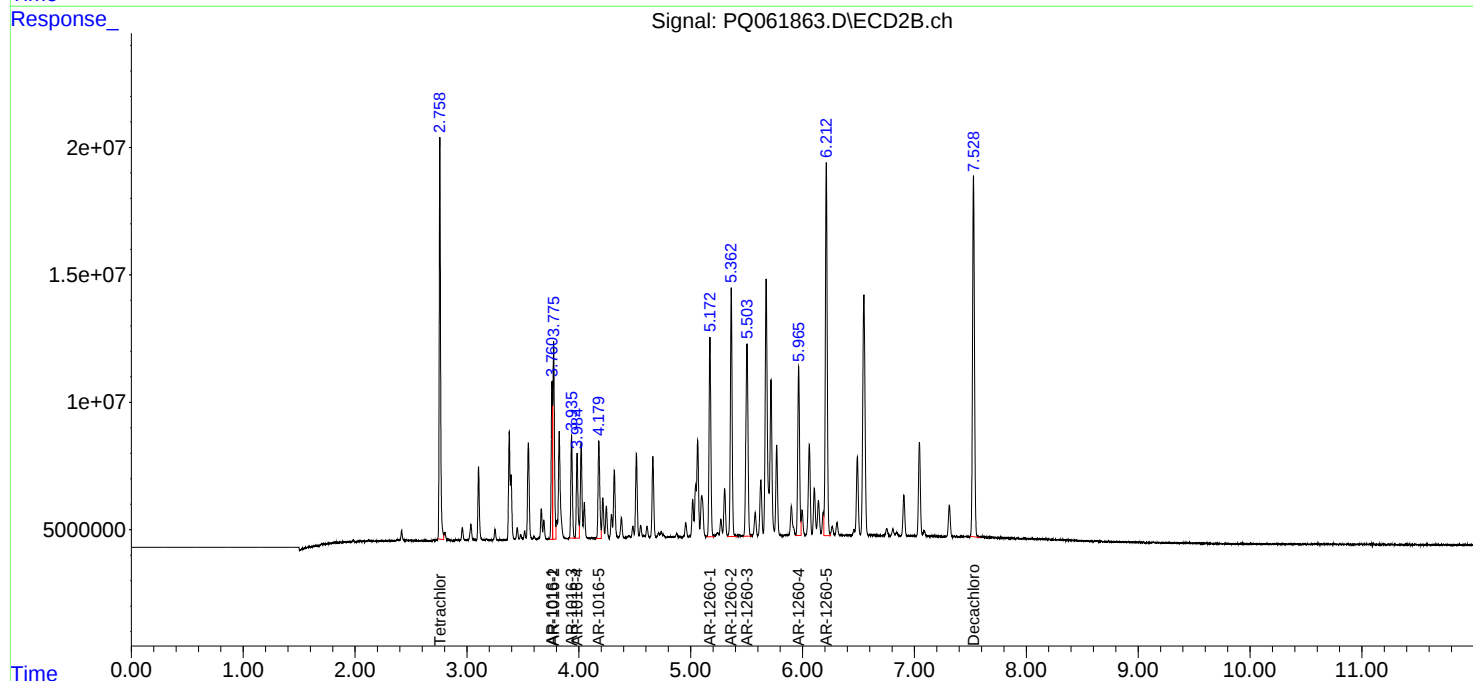
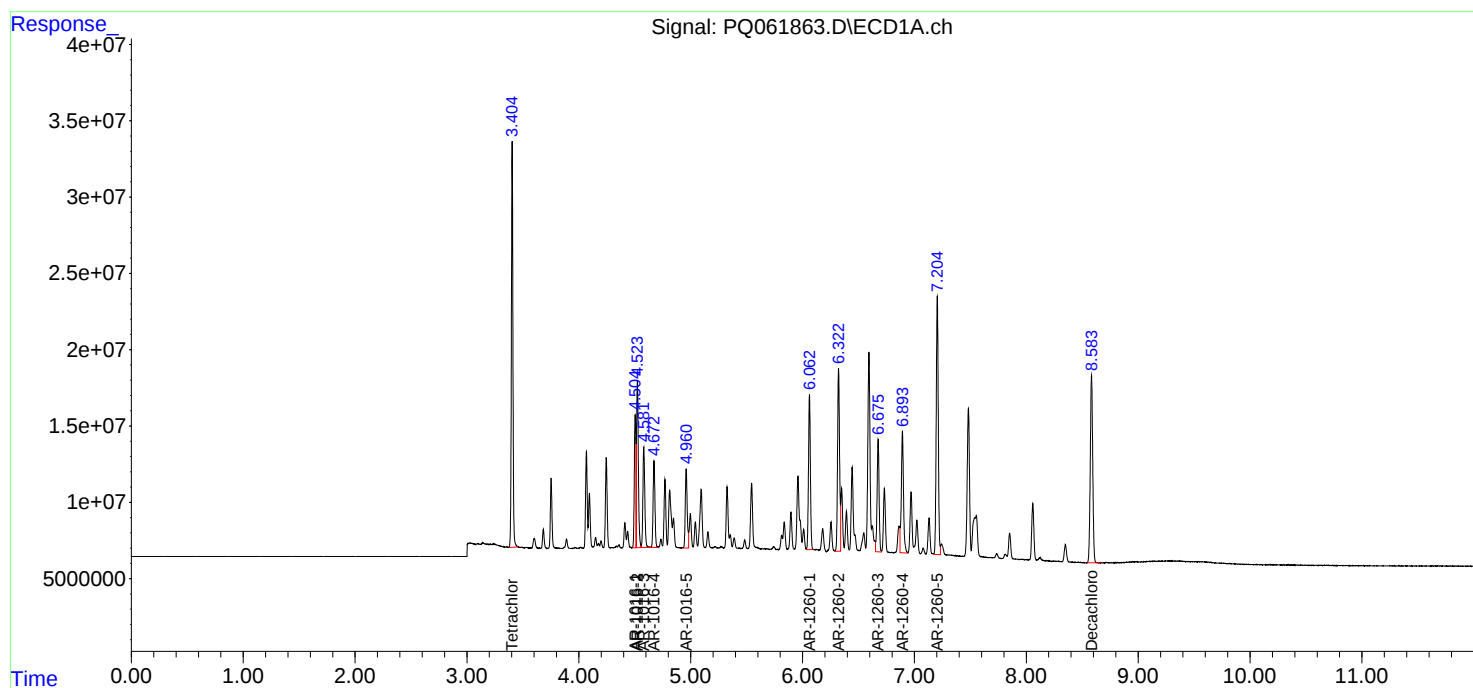
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061863.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 09:53
Operator : YP\AJ
Sample : PQ070123ICV500
Misc :
ALS Vial : 64 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ070123

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:44:06 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:41:48 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061864.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 10:08
 Operator : YP\AJ
 Sample : AR1242ICV500
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ070123AR1242

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:44:40 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:41:48 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	269.5E6	138.7E6	55.245	55.265
2)	SA Decachlor...	8.583	7.528	194.3E6	175.8E6	53.481	52.745
Target Compounds							
16)	L4 AR-1242-1	4.504	3.760	68545592	41470373	524.433	536.215
17)	L4 AR-1242-2	4.523	3.775	101.9E6	58514365	525.135	526.404
18)	L4 AR-1242-3	4.581	3.935	63048810	31492882	521.737	537.641
19)	L4 AR-1242-4	4.672	4.021	51375208	30836631	527.002	525.969
20)	L4 AR-1242-5	5.388	4.516	52528285	43505947	548.713	524.847

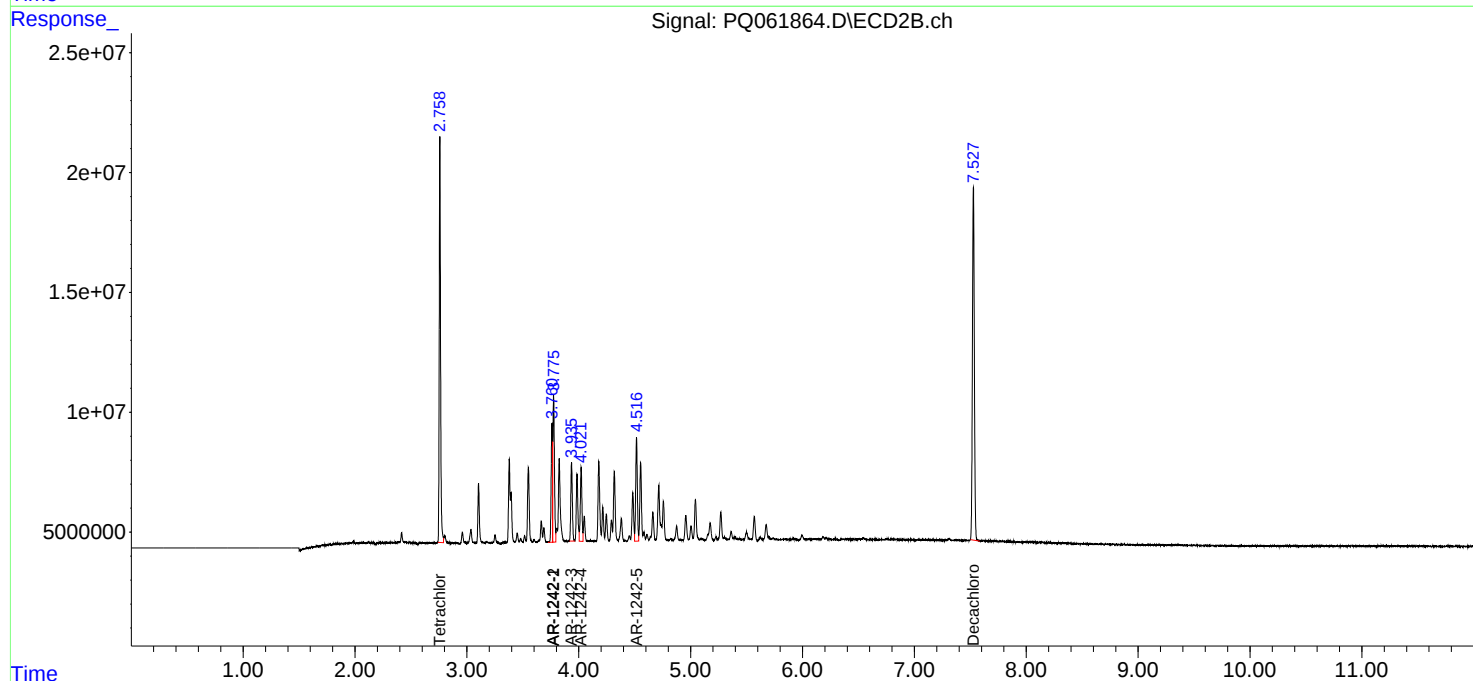
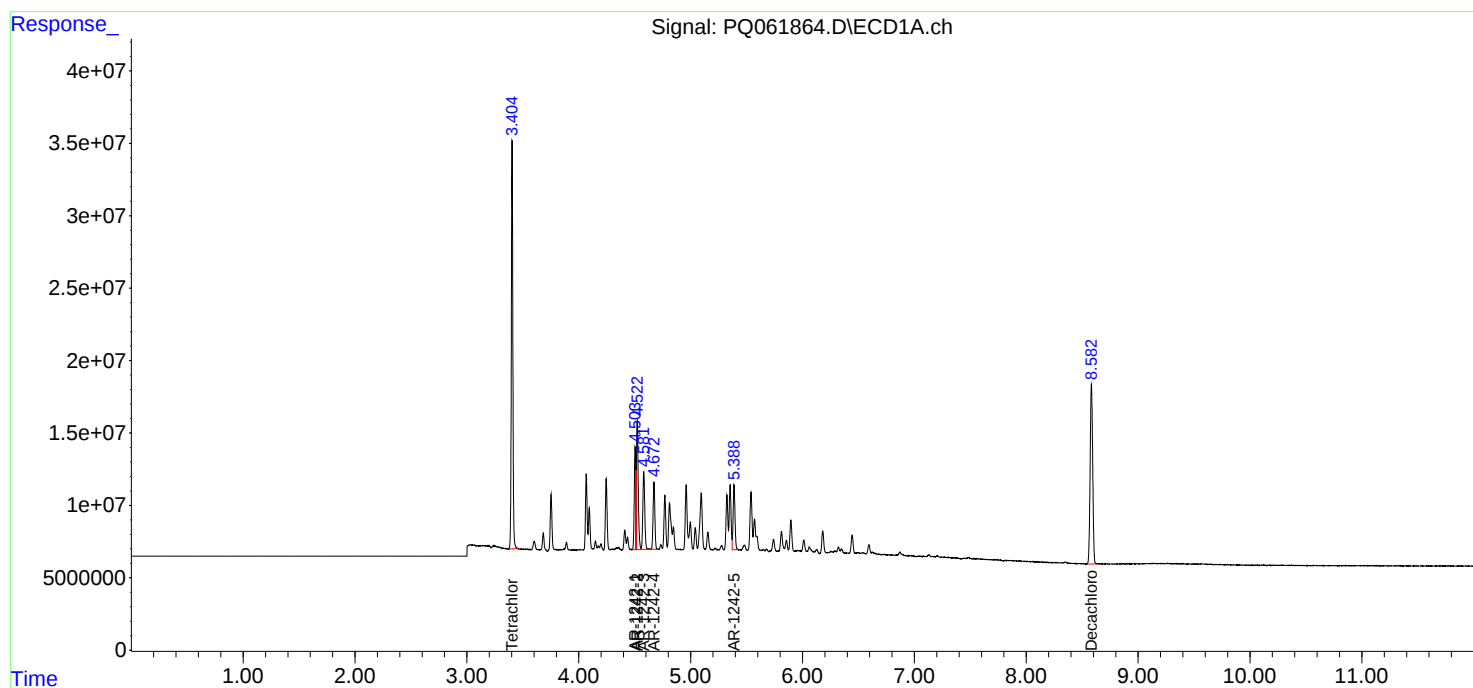
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061864.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 10:08
Operator : YP\AJ
Sample : AR1242ICV500
Misc :
ALS Vial : 65 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ070123AR1242

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:44:40 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:41:48 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061865.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 10:23
 Operator : YP\AJ
 Sample : AR1248ICV500
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ070123AR1248

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 12:08:29 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 08:31:40 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	272.4E6	143.1E6	53.205	53.485
2)	SA Decachlor...	8.583	7.528	197.2E6	180.6E6	51.259	52.085
Target Compounds							
21)	L5 AR-1248-1	4.504	3.760	54815461	32561447	527.180	520.813
22)	L5 AR-1248-2	4.770	3.985	74328697	49016119	523.927	522.734
23)	L5 AR-1248-3	4.960	4.022	90136704	47079687	518.883	519.966
24)	L5 AR-1248-4	5.353	4.179	100.1E6	59280028	518.550	525.348
25)	L5 AR-1248-5	5.389	4.553	96737118	59628591	537.620	532.243

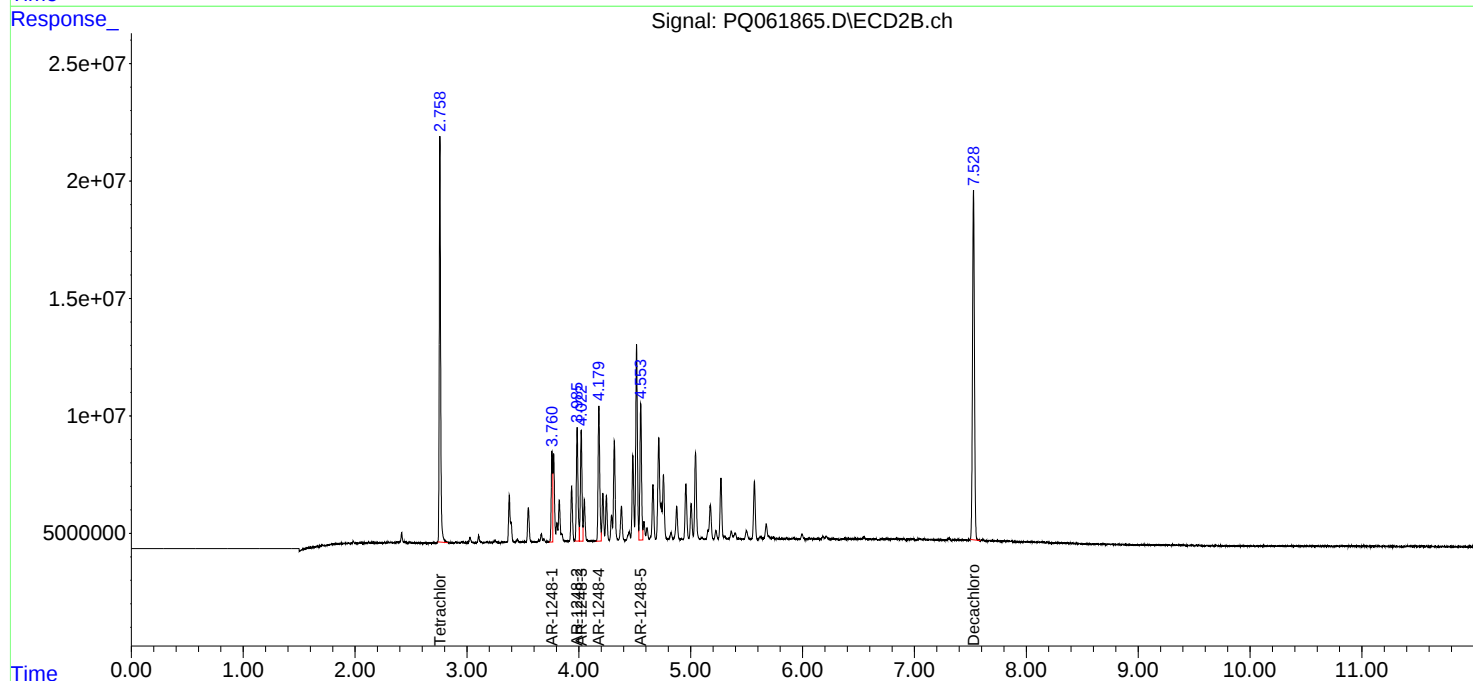
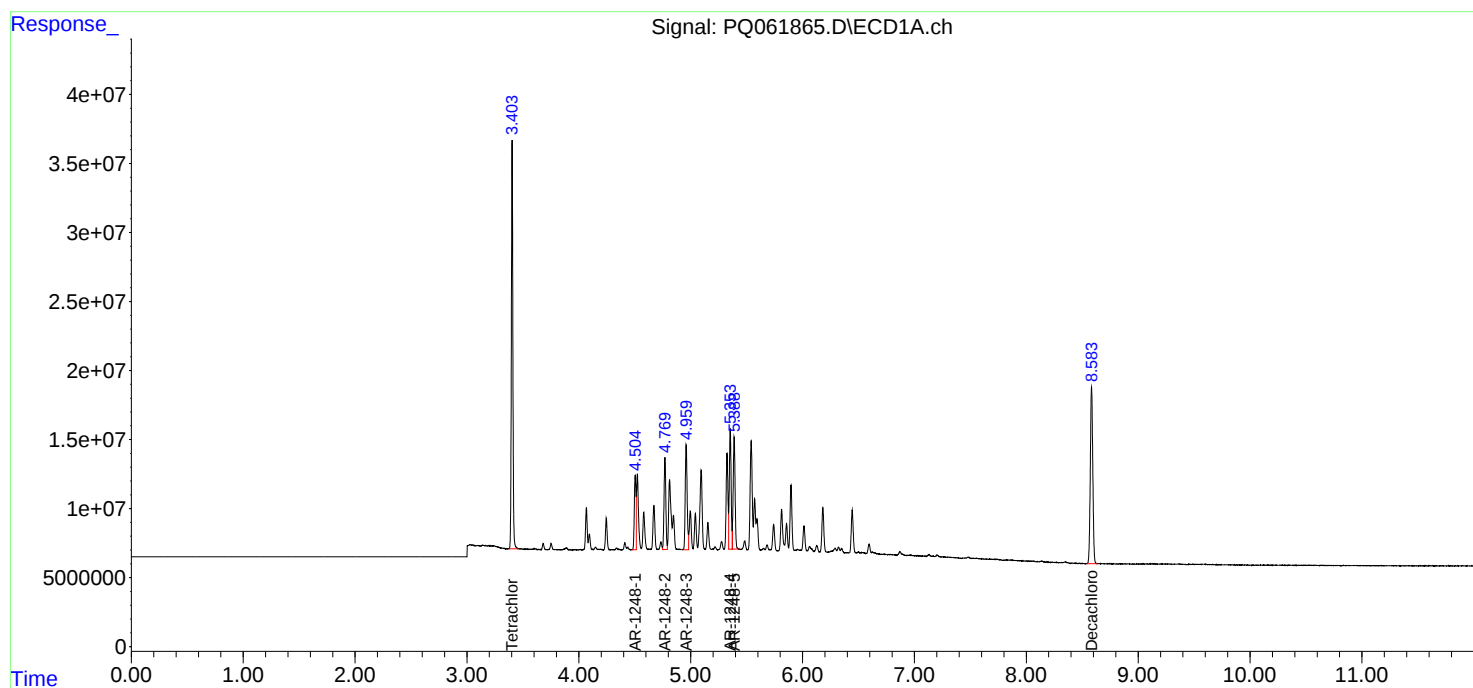
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061865.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 10:23
Operator : YP\AJ
Sample : AR1248ICV500
Misc :
ALS Vial : 66 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ070123AR1248

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 12:08:29 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 08:31:40 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061866.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 10:37
 Operator : YP\AJ
 Sample : AR1254ICV500
 Misc :
 ALS Vial : 67 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ070123AR1254

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:06:57 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:04:07 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	263.1E6	138.8E6	52.524	52.750
2) SA Decachlor...	8.584	7.528	190.8E6	174.4E6	51.212	51.559
Target Compounds						
26) L6 AR-1254-1	5.326	4.515	95419969	84825321	513.504	525.355
27) L6 AR-1254-2	5.544	4.662	149.0E6	76724527	512.398	521.139
28) L6 AR-1254-3	5.897	5.043	158.8E6	122.3E6	516.942	523.384
29) L6 AR-1254-4	6.182	5.270	118.4E6	79835878	509.957	523.808
30) L6 AR-1254-5	6.595	5.675	132.9E6	120.4E6	517.466	521.497

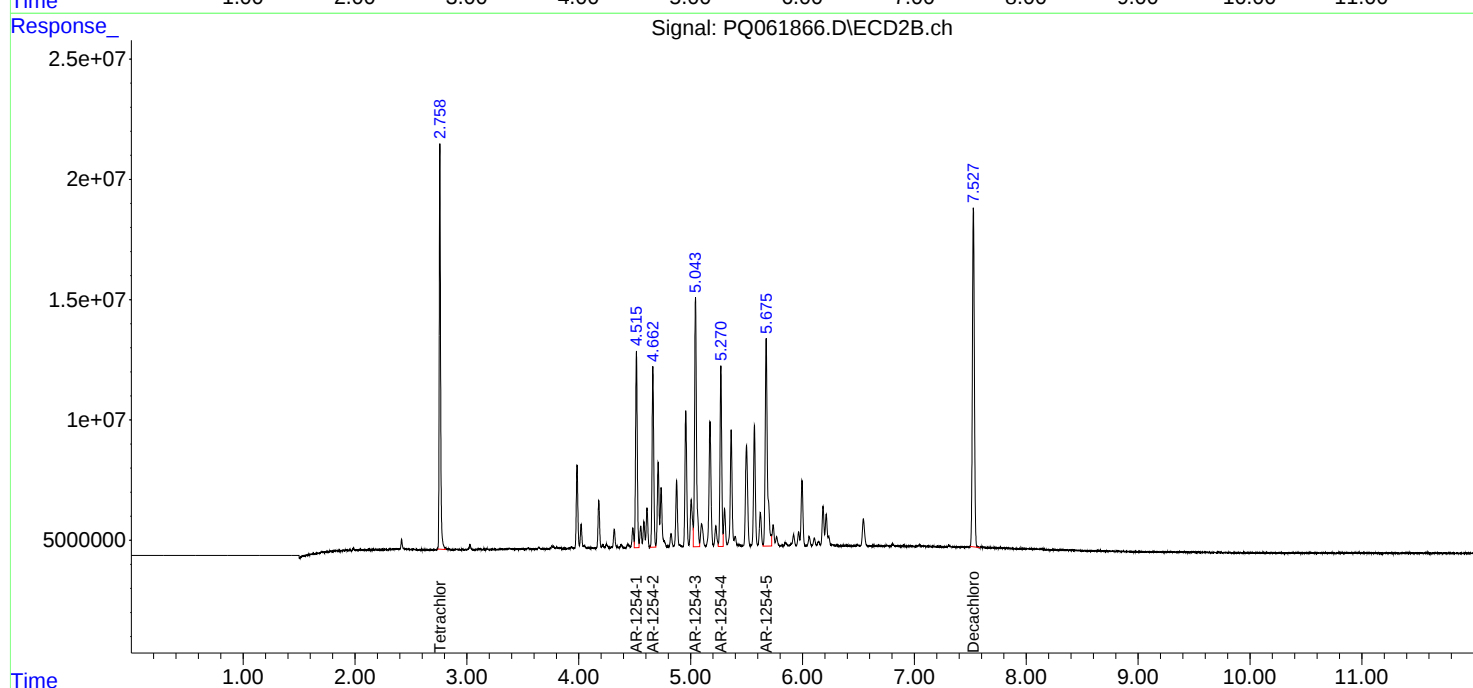
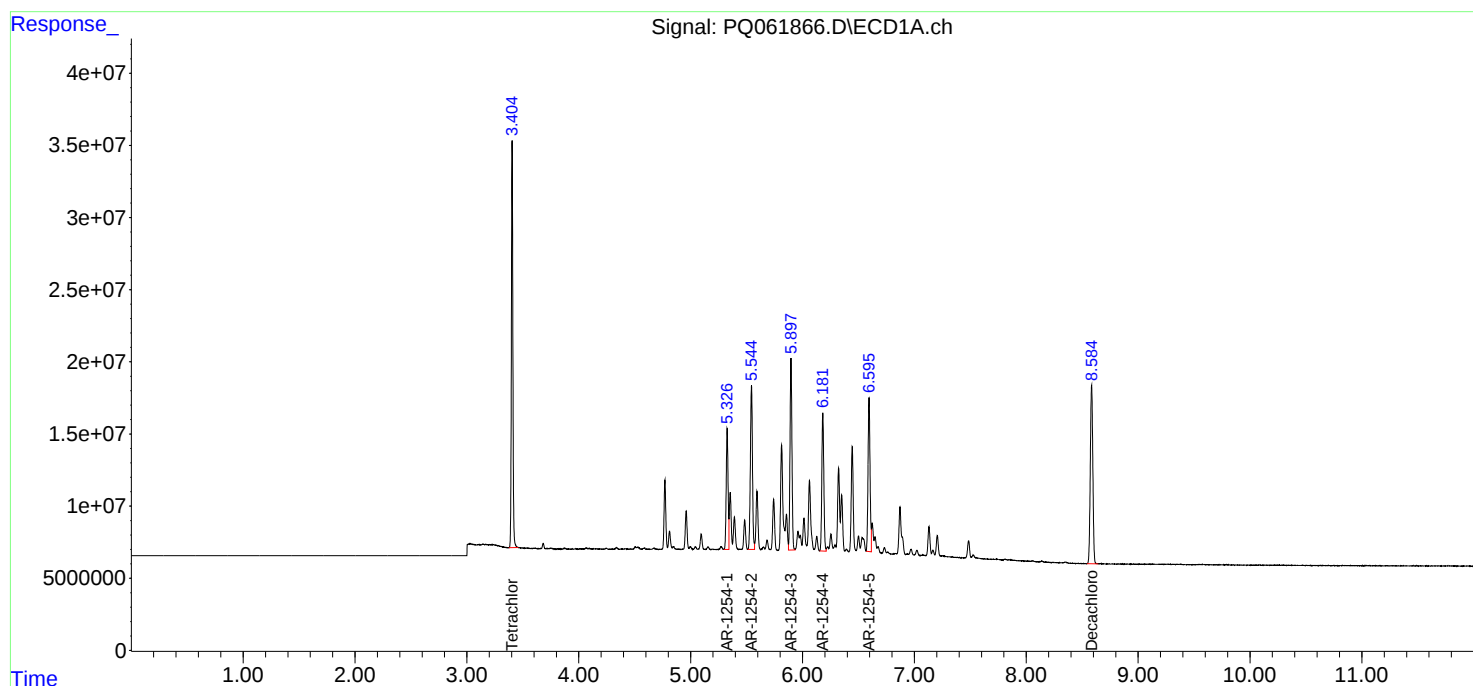
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061866.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 10:37
Operator : YP\AJ
Sample : AR1254ICV500
Misc :
ALS Vial : 67 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ070123AR1254

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:06:57 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:04:07 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
 Data File : PQ061867.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2023 10:52
 Operator : YP\AJ
 Sample : AR1268ICV500
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 ICVPQ070123AR1268

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 01 14:33:38 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Sat Jul 01 14:32:00 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	258.5E6	137.0E6	53.470	54.228
2) SA Decachlor...	8.584	7.528	316.6E6	292.0E6	51.905	52.667
Target Compounds						
41) L9 AR-1268-1	7.477	6.490	297.0E6	248.4E6	523.441	527.807
42) L9 AR-1268-2	7.557	6.553	268.3E6	224.9E6	526.166	530.806
43) L9 AR-1268-3	7.737	6.752	224.6E6	195.6E6	526.228	530.972
44) L9 AR-1268-4	8.059	7.045	96019784	85506906	524.741	534.631
45) L9 AR-1268-5	8.351	7.312	659.3E6	623.6E6	522.924	534.404

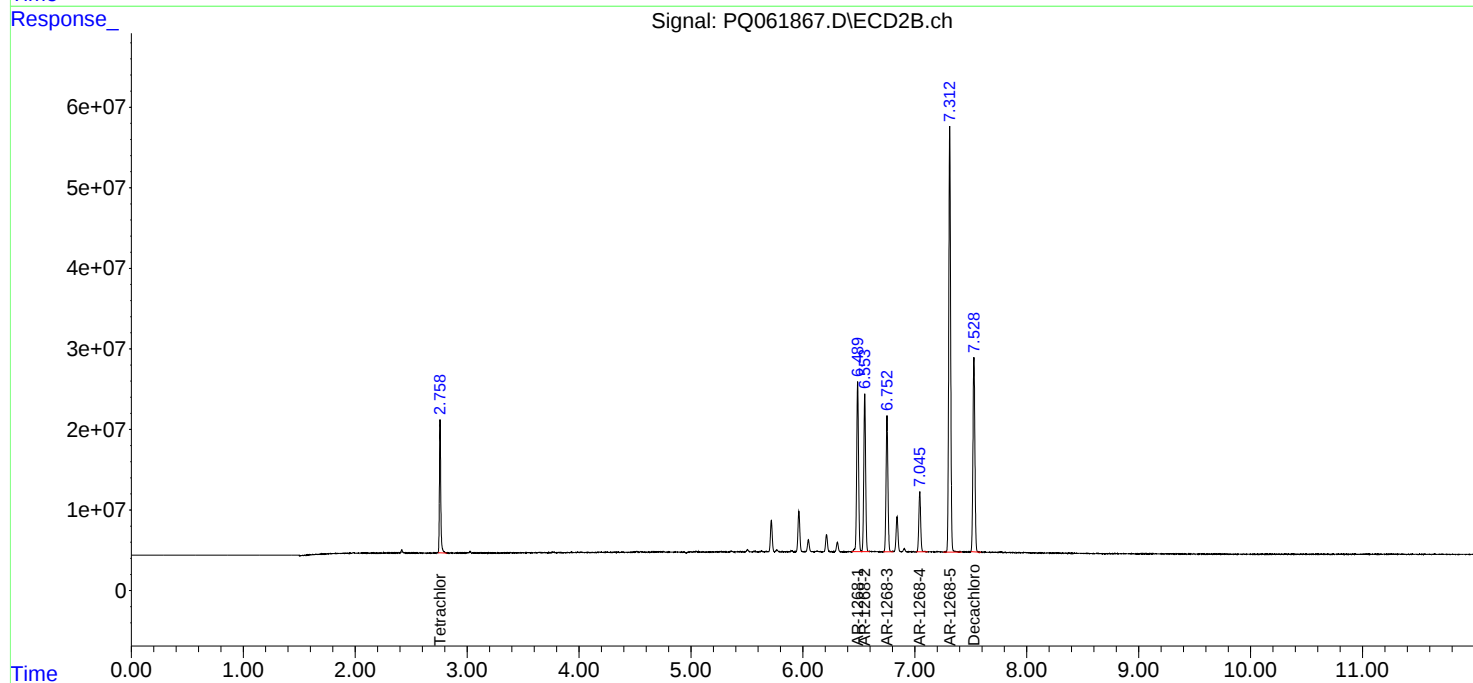
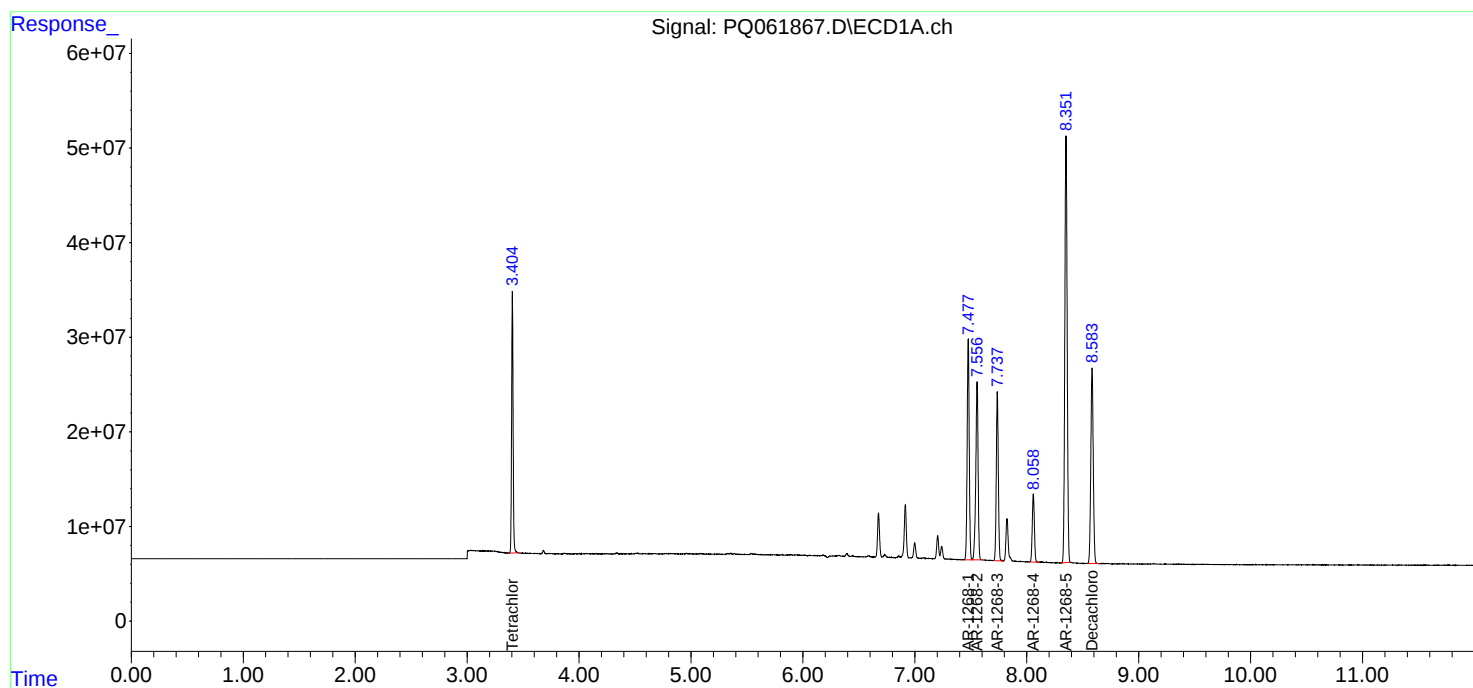
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061867.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 10:52
Operator : YP\AJ
Sample : AR1268ICV500
Misc :
ALS Vial : 68 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
ICVPQ070123AR1268

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:33:38 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:32:00 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 10:46 Initial Calibration Time(s): 03:04 09:39GC Column: ZB-MR1 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.51	4.50	4.40	4.60	-0.01
Aroclor-1016-2	(2)	4.53	4.52	4.42	4.62	-0.01
Aroclor-1016-3	(3)	4.58	4.58	4.48	4.68	0.00
Aroclor-1016-4	(4)	4.67	4.67	4.57	4.77	0.00
Aroclor-1016-5	(5)	4.96	4.96	4.86	5.06	0.00
Aroclor-1260-1	(1)	6.06	6.06	5.96	6.16	0.00
Aroclor-1260-2	(2)	6.33	6.32	6.22	6.42	0.00
Aroclor-1260-3	(3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4	(4)	6.90	6.89	6.79	6.99	-0.01
Aroclor-1260-5	(5)	7.21	7.20	7.10	7.30	-0.01
Tetrachloro-m-xylene		3.41	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.59	8.58	8.48	8.68	-0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 10:46 Initial Calibration Time(s): 03:04 09:39GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	3.76	3.76	3.66	3.86	0.00
Aroclor-1016-2	(2)	3.77	3.78	3.68	3.88	0.01
Aroclor-1016-3	(3)	3.93	3.94	3.84	4.04	0.01
Aroclor-1016-4	(4)	3.98	3.99	3.89	4.09	0.01
Aroclor-1016-5	(5)	4.18	4.18	4.08	4.28	0.00
Aroclor-1260-1	(1)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-2	(2)	5.36	5.36	5.26	5.46	0.00
Aroclor-1260-3	(3)	5.50	5.50	5.40	5.60	0.00
Aroclor-1260-4	(4)	5.96	5.97	5.87	6.07	0.01
Aroclor-1260-5	(5)	6.21	6.21	6.11	6.31	0.00
Tetrachloro-m-xylene		2.76	2.76	2.66	2.86	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL01 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062330.D Time Analyzed: 10:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.506	4.404	4.604	435.010	500.000	-13.0
Aroclor-1016-2	4.525	4.424	4.624	440.300	500.000	-11.9
Aroclor-1016-3	4.582	4.481	4.681	447.110	500.000	-10.6
Aroclor-1016-4	4.674	4.573	4.773	448.020	500.000	-10.4
Aroclor-1016-5	4.961	4.860	5.060	451.440	500.000	-9.7
Aroclor-1260-1	6.064	5.963	6.163	458.520	500.000	-8.3
Aroclor-1260-2	6.325	6.223	6.423	459.870	500.000	-8.0
Aroclor-1260-3	6.679	6.576	6.776	467.690	500.000	-6.5
Aroclor-1260-4	6.896	6.793	6.993	472.830	500.000	-5.4
Aroclor-1260-5	7.207	7.104	7.304	467.990	500.000	-6.4
Decachlorobiphenyl	8.588	8.484	8.684	45.830	50.000	-8.3
Tetrachloro-m-xylene	3.405	3.304	3.504	41.930	50.000	-16.1



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL01 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062330.D Time Analyzed: 10:46

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.757	3.661	3.861	476.630	500.000	-4.7
Aroclor-1016-2	3.772	3.676	3.876	480.140	500.000	-4.0
Aroclor-1016-3	3.932	3.836	4.036	476.220	500.000	-4.8
Aroclor-1016-4	3.982	3.886	4.086	466.920	500.000	-6.6
Aroclor-1016-5	4.176	4.080	4.280	471.460	500.000	-5.7
Aroclor-1260-1	5.169	5.073	5.273	505.480	500.000	1.1
Aroclor-1260-2	5.360	5.263	5.463	497.450	500.000	-0.5
Aroclor-1260-3	5.500	5.404	5.604	508.590	500.000	1.7
Aroclor-1260-4	5.962	5.867	6.067	503.010	500.000	0.6
Aroclor-1260-5	6.210	6.113	6.313	507.420	500.000	1.5
Decachlorobiphenyl	7.526	7.429	7.629	49.070	50.000	-1.9
Tetrachloro-m-xylene	2.756	2.659	2.859	47.800	50.000	-4.4

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062330.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 10:46
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:36:46 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.405	2.756	204.6E6	119.9E6	41.935	47.796
2) SA Decachlor...	8.588	7.526	166.5E6	163.5E6	45.829	49.068
Target Compounds						
3) L1 AR-1016-1	4.506	3.757	71653908	47174652	435.010	476.630
4) L1 AR-1016-2	4.525	3.772	108.9E6	69236146	440.302	480.143
5) L1 AR-1016-3	4.582	3.932	68142253	35927261	447.111	476.219
6) L1 AR-1016-4	4.674	3.982	56156811	30667109	448.017	466.923
7) L1 AR-1016-5	4.961	4.176	54947260	38650764	451.435	471.456
31) L7 AR-1260-1	6.064	5.169	108.2E6	84189965	458.525	505.484
32) L7 AR-1260-2	6.325	5.360	132.8E6	103.4E6	459.873	497.451
33) L7 AR-1260-3	6.679	5.500	82583809	98950506	467.695	508.590
34) L7 AR-1260-4	6.896	5.962	99600493	73369962	472.825	503.011
35) L7 AR-1260-5	7.207	6.210	192.2E6	168.5E6	467.989	507.416

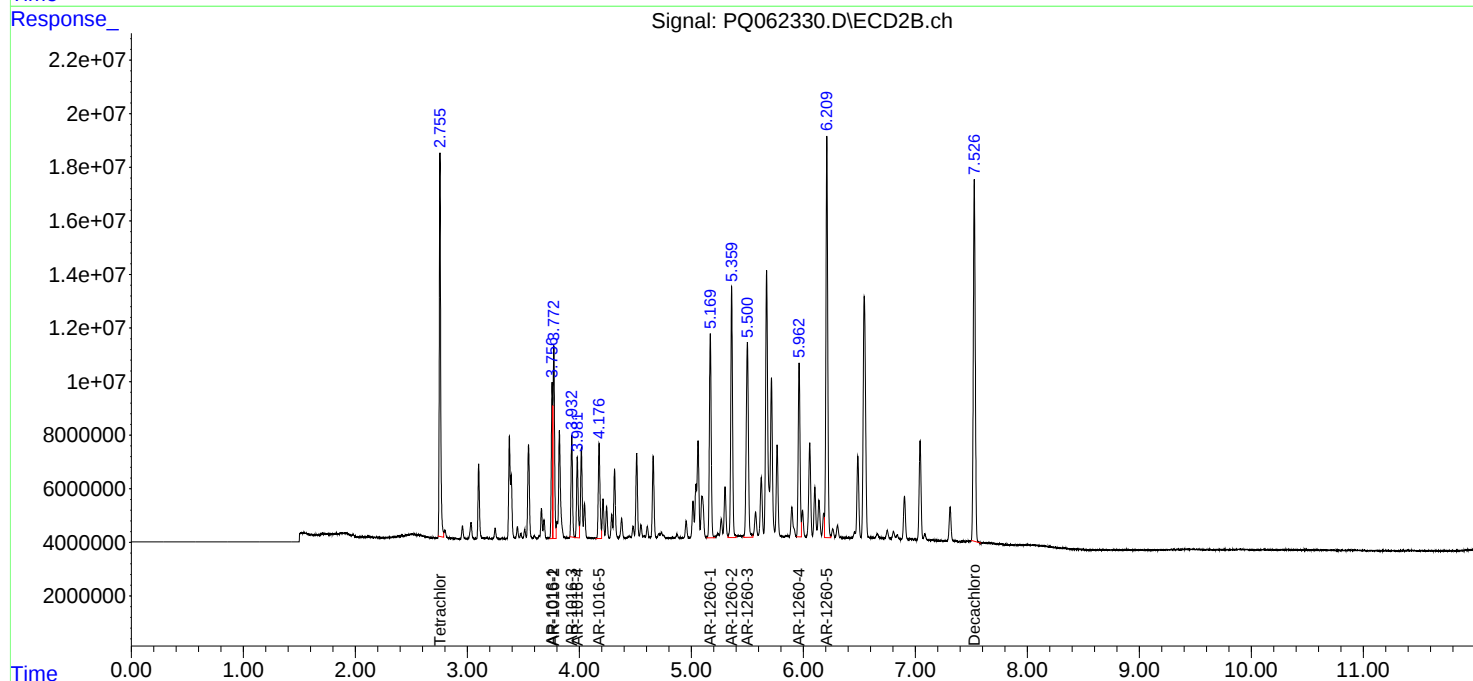
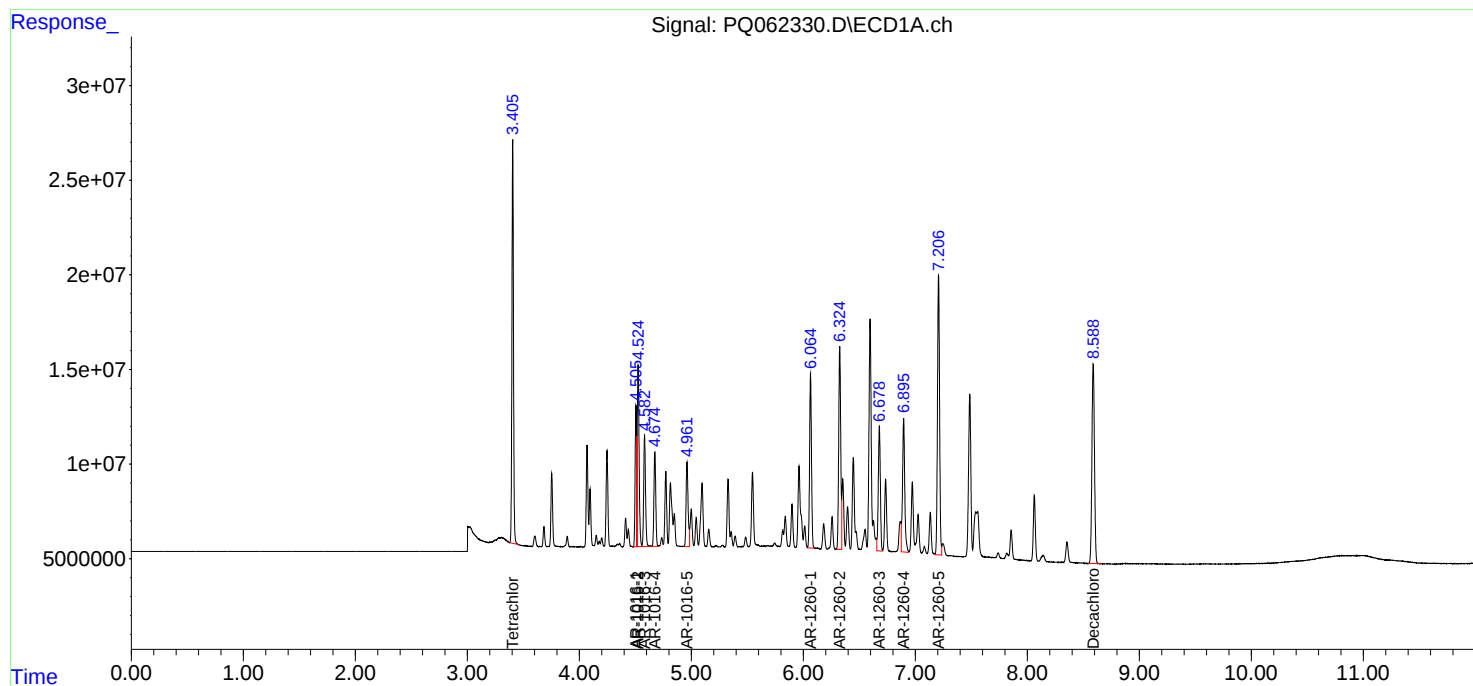
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062330.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 10:46
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:36:46 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 15:47 Initial Calibration Time(s): 03:04 09:39GC 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	4.40	4.60	0.00
Aroclor-1016-2	(2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1016-3	(3)	4.58	4.58	4.48	4.68	0.00
Aroclor-1016-4	(4)	4.67	4.67	4.57	4.77	0.00
Aroclor-1016-5	(5)	4.96	4.96	4.86	5.06	0.00
Aroclor-1260-1	(1)	6.06	6.06	5.96	6.16	0.00
Aroclor-1260-2	(2)	6.32	6.32	6.22	6.42	0.00
Aroclor-1260-3	(3)	6.67	6.68	6.58	6.78	0.01
Aroclor-1260-4	(4)	6.89	6.89	6.79	6.99	0.00
Aroclor-1260-5	(5)	7.20	7.20	7.10	7.30	0.00
Tetrachloro-m-xylene		3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl		8.58	8.58	8.48	8.68	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 15:47 Initial Calibration Time(s): 03:04 09:39GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	3.76	3.76	3.66	3.86	0.00
Aroclor-1016-2	(2)	3.77	3.78	3.68	3.88	0.01
Aroclor-1016-3	(3)	3.93	3.94	3.84	4.04	0.01
Aroclor-1016-4	(4)	3.98	3.99	3.89	4.09	0.01
Aroclor-1016-5	(5)	4.18	4.18	4.08	4.28	0.00
Aroclor-1260-1	(1)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-2	(2)	5.36	5.36	5.26	5.46	0.00
Aroclor-1260-3	(3)	5.50	5.50	5.40	5.60	0.00
Aroclor-1260-4	(4)	5.96	5.97	5.87	6.07	0.01
Aroclor-1260-5	(5)	6.21	6.21	6.11	6.31	0.00
Tetrachloro-m-xylene		2.76	2.76	2.66	2.86	0.00
Decachlorobiphenyl		7.53	7.53	7.43	7.63	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL02 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062344.D Time Analyzed: 15:47

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.502	4.404	4.604	455.760	500.000	-8.8
Aroclor-1016-2	4.521	4.424	4.624	449.340	500.000	-10.1
Aroclor-1016-3	4.579	4.481	4.681	451.930	500.000	-9.6
Aroclor-1016-4	4.671	4.573	4.773	454.100	500.000	-9.2
Aroclor-1016-5	4.958	4.860	5.060	464.250	500.000	-7.2
Aroclor-1260-1	6.060	5.963	6.163	459.120	500.000	-8.2
Aroclor-1260-2	6.321	6.223	6.423	456.430	500.000	-8.7
Aroclor-1260-3	6.674	6.576	6.776	465.460	500.000	-6.9
Aroclor-1260-4	6.891	6.793	6.993	469.240	500.000	-6.2
Aroclor-1260-5	7.203	7.104	7.304	472.820	500.000	-5.4
Decachlorobiphenyl	8.582	8.484	8.684	45.700	50.000	-8.6
Tetrachloro-m-xylene	3.402	3.304	3.504	44.040	50.000	-11.9



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL02 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062344.D Time Analyzed: 15:47

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	3.757	3.661	3.861	474.100	500.000	-5.2
Aroclor-1016-2	3.772	3.676	3.876	482.260	500.000	-3.5
Aroclor-1016-3	3.932	3.836	4.036	474.720	500.000	-5.1
Aroclor-1016-4	3.982	3.886	4.086	471.680	500.000	-5.7
Aroclor-1016-5	4.176	4.080	4.280	466.770	500.000	-6.6
Aroclor-1260-1	5.169	5.073	5.273	484.360	500.000	-3.1
Aroclor-1260-2	5.360	5.263	5.463	476.990	500.000	-4.6
Aroclor-1260-3	5.500	5.404	5.604	489.360	500.000	-2.1
Aroclor-1260-4	5.962	5.867	6.067	498.090	500.000	-0.4
Aroclor-1260-5	6.209	6.113	6.313	501.990	500.000	0.4
Decachlorobiphenyl	7.525	7.429	7.629	48.730	50.000	-2.5
Tetrachloro-m-xylene	2.756	2.659	2.859	49.150	50.000	-1.7

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 15:47
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:43:43 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.756	214.9E6	123.3E6	44.044	49.146
2) SA Decachlor...	8.582	7.525	166.0E6	162.4E6	45.700	48.730
Target Compounds						
3) L1 AR-1016-1	4.502	3.757	75071615	46924445	455.759	474.102
4) L1 AR-1016-2	4.521	3.772	111.1E6	69540965	449.340	482.257
5) L1 AR-1016-3	4.579	3.932	68876391	35814231	451.928	474.721
6) L1 AR-1016-4	4.671	3.982	56919113	30979738	454.099	471.683
7) L1 AR-1016-5	4.958	4.176	56506762	38266473	464.248	466.769
31) L7 AR-1260-1	6.060	5.169	108.3E6	80671257	459.118	484.357
32) L7 AR-1260-2	6.321	5.360	131.8E6	99187676	456.426	476.988
33) L7 AR-1260-3	6.674	5.500	82189066	95208478	465.459	489.356
34) L7 AR-1260-4	6.891	5.962	98846196	72652411	469.244	498.092
35) L7 AR-1260-5	7.203	6.209	194.1E6	166.7E6	472.824	501.990

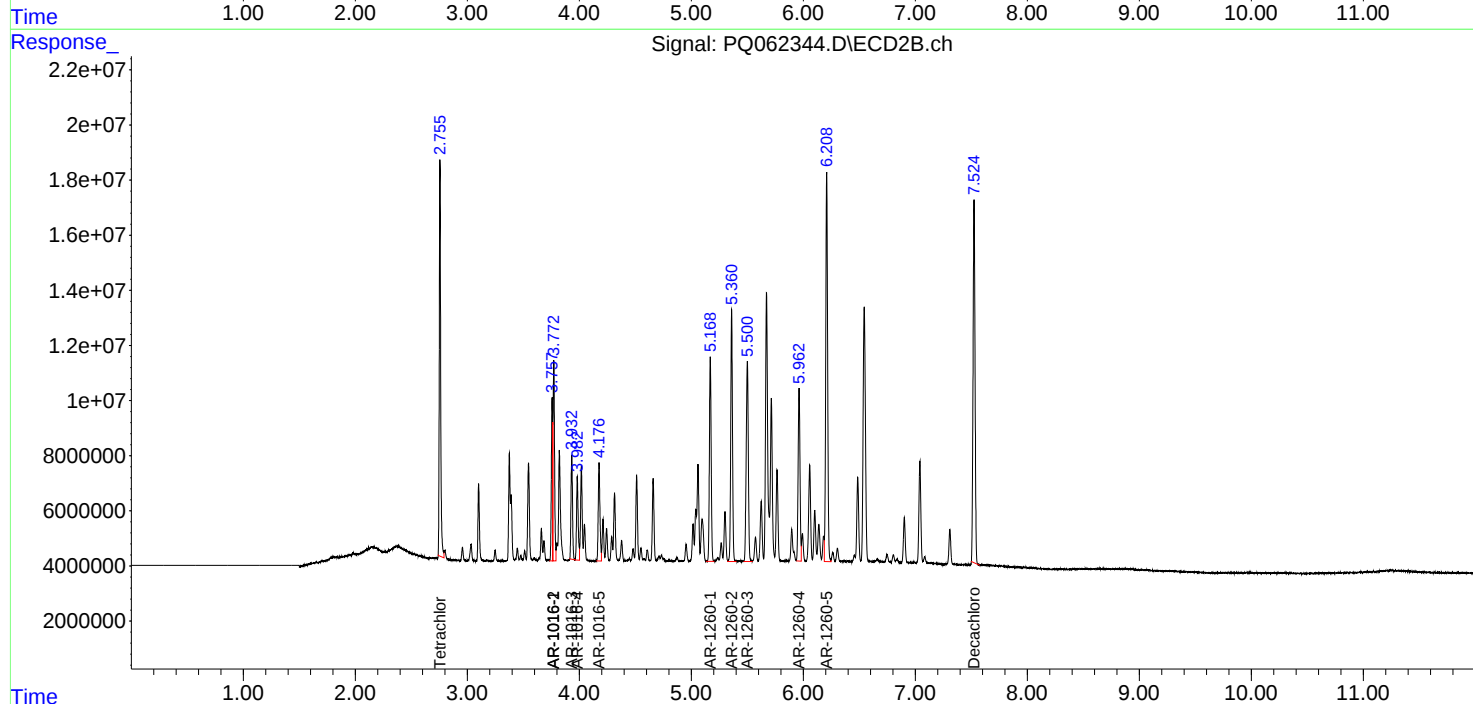
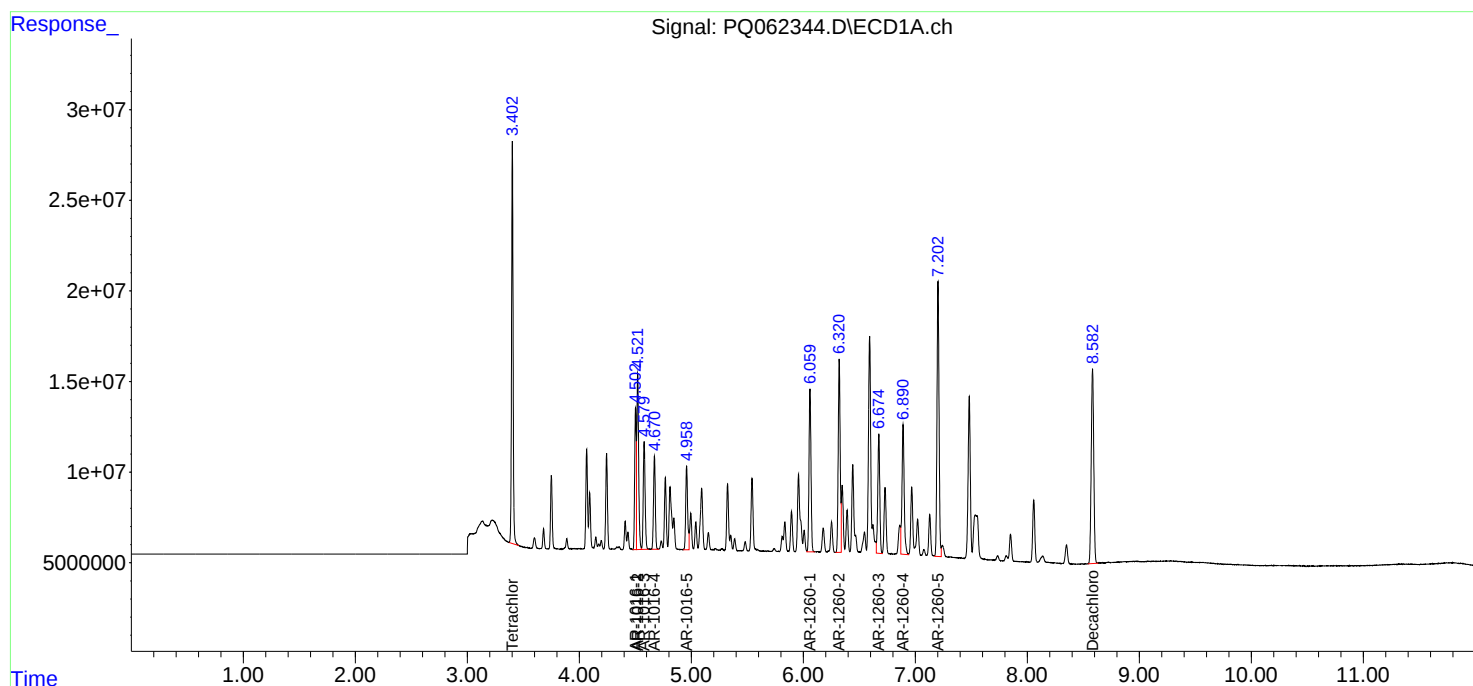
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 15:47
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:43:43 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 21:53 Initial Calibration Time(s): 03:04 09:39GC 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	4.40	4.60	0.00
Aroclor-1016-2 (2)	4.52	4.52	4.42	4.62	0.00
Aroclor-1016-3 (3)	4.58	4.58	4.48	4.68	0.00
Aroclor-1016-4 (4)	4.67	4.67	4.57	4.77	0.00
Aroclor-1016-5 (5)	4.96	4.96	4.86	5.06	0.00
Aroclor-1260-1 (1)	6.06	6.06	5.96	6.16	0.00
Aroclor-1260-2 (2)	6.32	6.32	6.22	6.42	0.00
Aroclor-1260-3 (3)	6.68	6.68	6.58	6.78	0.00
Aroclor-1260-4 (4)	6.89	6.89	6.79	6.99	0.00
Aroclor-1260-5 (5)	7.20	7.20	7.10	7.30	0.00
Tetrachloro-m-xylene	3.40	3.40	3.30	3.50	0.00
Decachlorobiphenyl	8.58	8.58	8.48	8.68	0.00



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649Continuing Calib Date: 07/18/2023 Initial Calibration Date(s): 07/01/2023 07/01/2023Continuing Calib Time: 21:53 Initial Calibration Time(s): 03:04 09:39GC Column: ZB-MR2 ID: 0.32 (mm)

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	3.76	3.76	3.66	3.86	0.00
Aroclor-1016-2	(2)	3.77	3.78	3.68	3.88	0.01
Aroclor-1016-3	(3)	3.93	3.94	3.84	4.04	0.01
Aroclor-1016-4	(4)	3.98	3.99	3.89	4.09	0.01
Aroclor-1016-5	(5)	4.18	4.18	4.08	4.28	0.00
Aroclor-1260-1	(1)	5.17	5.17	5.07	5.27	0.00
Aroclor-1260-2	(2)	5.36	5.36	5.26	5.46	0.00
Aroclor-1260-3	(3)	5.50	5.50	5.40	5.60	0.00
Aroclor-1260-4	(4)	5.96	5.97	5.87	6.07	0.01
Aroclor-1260-5	(5)	6.21	6.21	6.11	6.31	0.00
Tetrachloro-m-xylene		2.76	2.76	2.66	2.86	0.00
Decachlorobiphenyl		7.52	7.53	7.43	7.63	0.01



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL03 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062366.D Time Analyzed: 21:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.502	4.404	4.604	468.090	500.000	-6.4
Aroclor-1016-2	4.521	4.424	4.624	462.940	500.000	-7.4
Aroclor-1016-3	4.579	4.481	4.681	461.900	500.000	-7.6
Aroclor-1016-4	4.671	4.573	4.773	467.300	500.000	-6.5
Aroclor-1016-5	4.958	4.860	5.060	470.260	500.000	-5.9
Aroclor-1260-1	6.061	5.963	6.163	469.520	500.000	-6.1
Aroclor-1260-2	6.321	6.223	6.423	468.840	500.000	-6.2
Aroclor-1260-3	6.675	6.576	6.776	472.030	500.000	-5.6
Aroclor-1260-4	6.891	6.793	6.993	474.710	500.000	-5.1
Aroclor-1260-5	7.203	7.104	7.304	486.590	500.000	-2.7
Decachlorobiphenyl	8.581	8.484	8.684	48.760	50.000	-2.5
Tetrachloro-m-xylene	3.401	3.304	3.504	45.410	50.000	-9.2



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

CALIBRATION VERIFICATION SUMMARY

Contract: ATCE02Lab Code: CHEM Case No.: O3649 SAS No.: O3649 SDG NO.: O3649GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 07/01/2023 07/01/2023Client Sample No.: CCAL03 Date Analyzed: 07/18/2023Lab Sample No.: AR1660CCC500 Data File : PQ062366.D Time Analyzed: 21:53

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	3.756	3.661	3.861	478.180	500.000	-4.4
Aroclor-1016-2	3.772	3.676	3.876	478.850	500.000	-4.2
Aroclor-1016-3	3.931	3.836	4.036	472.580	500.000	-5.5
Aroclor-1016-4	3.981	3.886	4.086	469.160	500.000	-6.2
Aroclor-1016-5	4.175	4.080	4.280	478.220	500.000	-4.4
Aroclor-1260-1	5.169	5.073	5.273	499.800	500.000	0.0
Aroclor-1260-2	5.359	5.263	5.463	495.400	500.000	-0.9
Aroclor-1260-3	5.500	5.404	5.604	500.630	500.000	0.1
Aroclor-1260-4	5.961	5.867	6.067	507.020	500.000	1.4
Aroclor-1260-5	6.208	6.113	6.313	515.780	500.000	3.2
Decachlorobiphenyl	7.524	7.429	7.629	50.960	50.000	1.9
Tetrachloro-m-xylene	2.755	2.659	2.859	50.060	50.000	0.1

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062366.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 21:53
 Operator : YP\AJ
 Sample : AR1660CCC500
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 AR1660CCC500

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:58:05 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.401	2.755	221.5E6	125.6E6	45.407	50.059
2) SA Decachlor...	8.581	7.524	177.1E6	169.8E6	48.760	50.963
Target Compounds						
3) L1 AR-1016-1	4.502	3.756	77102733	47328264	468.090	478.182
4) L1 AR-1016-2	4.521	3.772	114.5E6	69049422	462.942	478.848
5) L1 AR-1016-3	4.579	3.931	70396378	35652968	461.901	472.583
6) L1 AR-1016-4	4.671	3.981	58573243	30814300	467.295	469.164
7) L1 AR-1016-5	4.958	4.175	57238428	39205580	470.259	478.224
31) L7 AR-1260-1	6.061	5.169	110.8E6	83242768	469.521	499.797
32) L7 AR-1260-2	6.321	5.359	135.4E6	103.0E6	468.842	495.401
33) L7 AR-1260-3	6.675	5.500	83348645	97402577	472.026	500.633
34) L7 AR-1260-4	6.891	5.961	99998353	73954173	474.714	507.016
35) L7 AR-1260-5	7.203	6.208	199.8E6	171.3E6	486.591	515.775

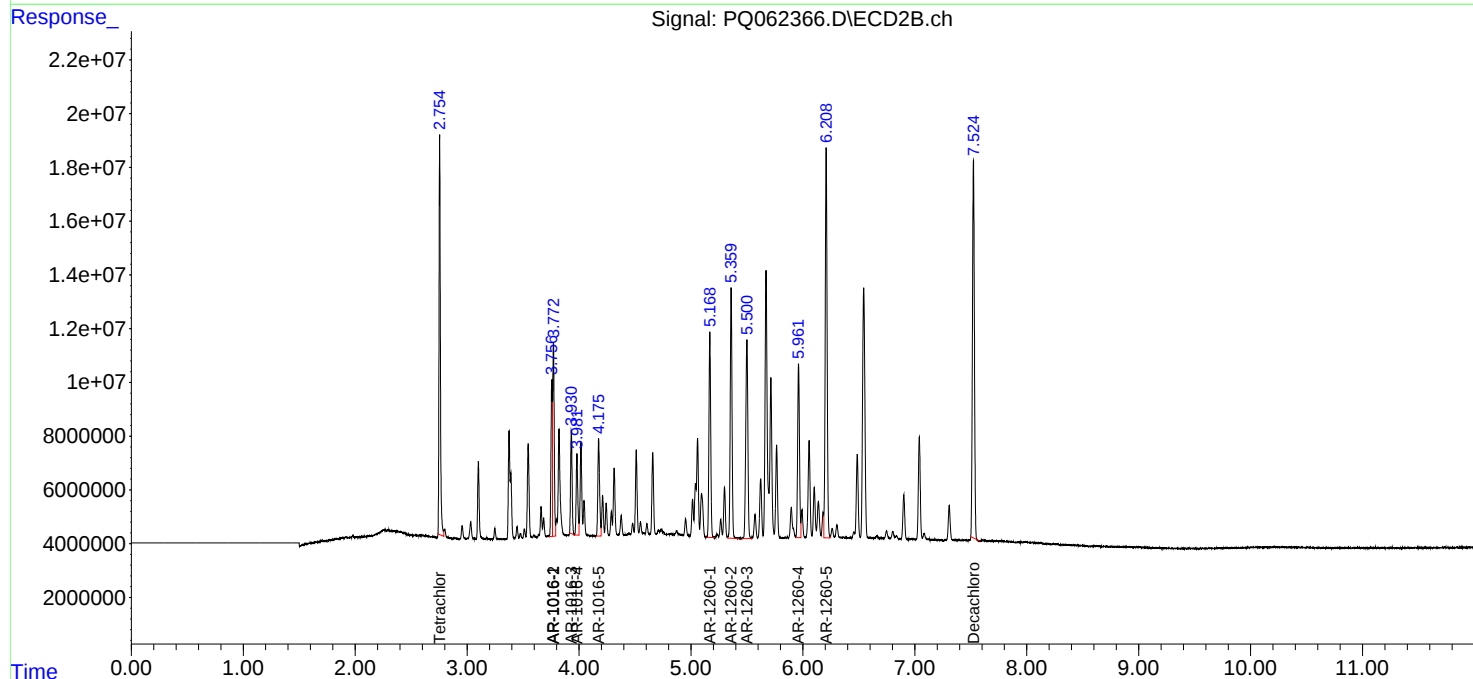
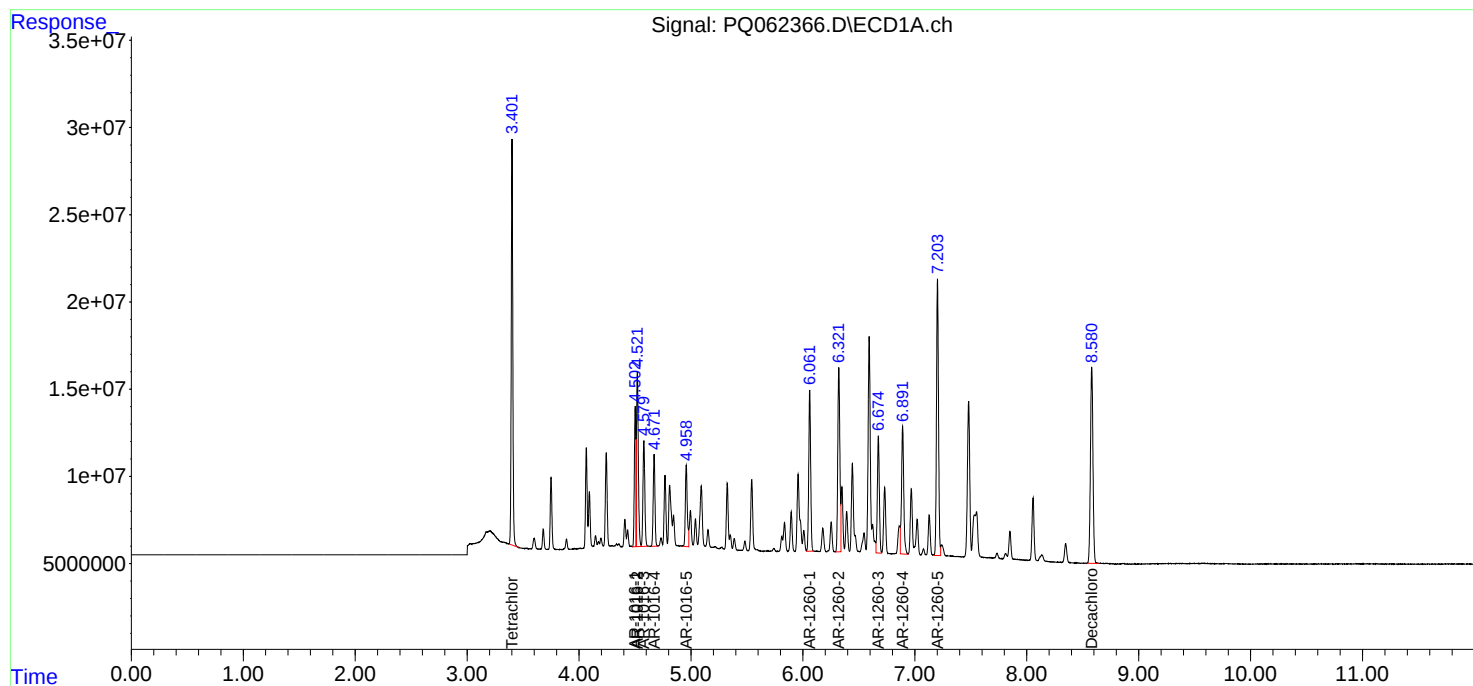
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062366.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 21:53
Operator : YP\AJ
Sample : AR1660CCC500
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
AR1660CCC500

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:58:05 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm



Analytical Sequence

Client: ATC Group Services LLC

SDG No.: O3649

Project: SCA - PS 182X

Instrument ID: ECD_Q

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/01/2023

07/01/2023

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/01/2023	02:49	PQ061834.D	8.59	3.40
AR1660ICC1000	AR1660ICC1000	07/01/2023	03:04	PQ061835.D	8.58	3.41
AR1660ICC750	AR1660ICC750	07/01/2023	03:18	PQ061836.D	8.59	3.41
AR1660ICC500	AR1660ICC500	07/01/2023	03:33	PQ061837.D	8.58	3.40
AR1660ICC250	AR1660ICC250	07/01/2023	03:48	PQ061838.D	8.58	3.41
AR1660ICC050	AR1660ICC050	07/01/2023	04:02	PQ061839.D	8.58	3.40
AR1221ICC500	AR1221ICC500	07/01/2023	04:17	PQ061840.D	8.58	3.40
AR1232ICC500	AR1232ICC500	07/01/2023	04:31	PQ061841.D	8.58	3.40
AR1242ICC1000	AR1242ICC1000	07/01/2023	04:46	PQ061842.D	8.58	3.40
AR1242ICC750	AR1242ICC750	07/01/2023	05:01	PQ061843.D	8.58	3.41
AR1242ICC500	AR1242ICC500	07/01/2023	05:15	PQ061844.D	8.58	3.40
AR1242ICC250	AR1242ICC250	07/01/2023	05:30	PQ061845.D	8.58	3.40
AR1242ICC050	AR1242ICC050	07/01/2023	05:45	PQ061846.D	8.58	3.40
AR1248ICC1000	AR1248ICC1000	07/01/2023	05:59	PQ061847.D	8.58	3.40
AR1248ICC750	AR1248ICC750	07/01/2023	06:14	PQ061848.D	8.60	3.42
AR1248ICC500	AR1248ICC500	07/01/2023	06:28	PQ061849.D	8.58	3.40
AR1248ICC250	AR1248ICC250	07/01/2023	06:43	PQ061850.D	8.58	3.40
AR1248ICC050	AR1248ICC050	07/01/2023	06:58	PQ061851.D	8.58	3.40
AR1254ICC1000	AR1254ICC1000	07/01/2023	07:12	PQ061852.D	8.58	3.40
AR1254ICC750	AR1254ICC750	07/01/2023	07:27	PQ061853.D	8.58	3.40
AR1254ICC500	AR1254ICC500	07/01/2023	07:42	PQ061854.D	8.58	3.40
AR1254ICC250	AR1254ICC250	07/01/2023	07:56	PQ061855.D	8.58	3.40
AR1254ICC050	AR1254ICC050	07/01/2023	08:11	PQ061856.D	8.58	3.40
AR1262ICC500	AR1262ICC500	07/01/2023	08:25	PQ061857.D	8.58	3.40
AR1268ICC1000	AR1268ICC1000	07/01/2023	08:40	PQ061858.D	8.58	3.40
AR1268ICC750	AR1268ICC750	07/01/2023	08:55	PQ061859.D	8.58	3.40
AR1268ICC500	AR1268ICC500	07/01/2023	09:09	PQ061860.D	8.58	3.40
AR1268ICC250	AR1268ICC250	07/01/2023	09:24	PQ061861.D	8.58	3.40
AR1268ICC050	AR1268ICC050	07/01/2023	09:39	PQ061862.D	8.58	3.40
AR1660CCC500	AR1660CCC500	07/18/2023	10:46	PQ062330.D	8.59	3.41
IBLK	IBLK	07/18/2023	11:44	PQ062334.D	8.58	3.40
PB154254BL	PB154254BL	07/18/2023	13:20	PQ062335.D	8.59	3.41
PB154254BS	PB154254BS	07/18/2023	13:35	PQ062336.D	8.59	3.40
AR1660CCC500	AR1660CCC500	07/18/2023	15:47	PQ062344.D	8.58	3.40
IBLK	IBLK	07/18/2023	16:16	PQ062346.D	8.58	3.40
SB-04-(1-5)MS	O3645-09MS	07/18/2023	19:12	PQ062358.D	8.58	3.40
SB-04-(1-5)MSD	O3645-10MSD	07/18/2023	19:26	PQ062359.D	8.58	3.40
X182-S5	O3649-01	07/18/2023	19:41	PQ062360.D	8.58	3.40
X182-B4	O3649-02	07/18/2023	19:56	PQ062361.D	8.58	3.40
X182-S3	O3649-03	07/18/2023	20:10	PQ062362.D	8.58	3.40
X182-B3	O3649-04	07/18/2023	20:25	PQ062363.D	8.58	3.40
X182-B3-DUP	O3649-05	07/18/2023	20:39	PQ062364.D	8.58	3.40
X182-S4	O3649-06	07/18/2023	20:54	PQ062365.D	8.58	3.40
AR1660CCC500	AR1660CCC500	07/18/2023	21:53	PQ062366.D	8.58	3.40
IBLK	IBLK	07/18/2023	22:22	PQ062368.D	8.58	3.40



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

Analytical Sequence

Analytical Sequence

Client: ATC Group Services LLC

SDG No.: O3649

Project: SCA - PS 182X

Instrument ID: ECD_Q

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 07/01/2023

07/01/2023

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	07/01/2023	02:49	PQ061834.D	7.53	2.76
AR1660ICC1000	AR1660ICC1000	07/01/2023	03:04	PQ061835.D	7.53	2.76
AR1660ICC750	AR1660ICC750	07/01/2023	03:18	PQ061836.D	7.53	2.76
AR1660ICC500	AR1660ICC500	07/01/2023	03:33	PQ061837.D	7.53	2.76
AR1660ICC250	AR1660ICC250	07/01/2023	03:48	PQ061838.D	7.53	2.76
AR1660ICC050	AR1660ICC050	07/01/2023	04:02	PQ061839.D	7.53	2.76
AR1221ICC500	AR1221ICC500	07/01/2023	04:17	PQ061840.D	7.53	2.76
AR1232ICC500	AR1232ICC500	07/01/2023	04:31	PQ061841.D	7.53	2.76
AR1242ICC1000	AR1242ICC1000	07/01/2023	04:46	PQ061842.D	7.53	2.76
AR1242ICC750	AR1242ICC750	07/01/2023	05:01	PQ061843.D	7.53	2.76
AR1242ICC500	AR1242ICC500	07/01/2023	05:15	PQ061844.D	7.53	2.76
AR1242ICC250	AR1242ICC250	07/01/2023	05:30	PQ061845.D	7.53	2.76
AR1242ICC050	AR1242ICC050	07/01/2023	05:45	PQ061846.D	7.53	2.76
AR1248ICC1000	AR1248ICC1000	07/01/2023	05:59	PQ061847.D	7.53	2.76
AR1248ICC750	AR1248ICC750	07/01/2023	06:14	PQ061848.D	7.53	2.76
AR1248ICC500	AR1248ICC500	07/01/2023	06:28	PQ061849.D	7.53	2.76
AR1248ICC250	AR1248ICC250	07/01/2023	06:43	PQ061850.D	7.53	2.76
AR1248ICC050	AR1248ICC050	07/01/2023	06:58	PQ061851.D	7.53	2.76
AR1254ICC1000	AR1254ICC1000	07/01/2023	07:12	PQ061852.D	7.53	2.76
AR1254ICC750	AR1254ICC750	07/01/2023	07:27	PQ061853.D	7.53	2.76
AR1254ICC500	AR1254ICC500	07/01/2023	07:42	PQ061854.D	7.53	2.76
AR1254ICC250	AR1254ICC250	07/01/2023	07:56	PQ061855.D	7.53	2.76
AR1254ICC050	AR1254ICC050	07/01/2023	08:11	PQ061856.D	7.53	2.76
AR1262ICC500	AR1262ICC500	07/01/2023	08:25	PQ061857.D	7.53	2.76
AR1268ICC1000	AR1268ICC1000	07/01/2023	08:40	PQ061858.D	7.53	2.76
AR1268ICC750	AR1268ICC750	07/01/2023	08:55	PQ061859.D	7.53	2.76
AR1268ICC500	AR1268ICC500	07/01/2023	09:09	PQ061860.D	7.53	2.76
AR1268ICC250	AR1268ICC250	07/01/2023	09:24	PQ061861.D	7.53	2.76
AR1268ICC050	AR1268ICC050	07/01/2023	09:39	PQ061862.D	7.53	2.76
AR1660CCC500	AR1660CCC500	07/18/2023	10:46	PQ062330.D	7.53	2.76
IBLK	IBLK	07/18/2023	11:44	PQ062334.D	7.53	2.76
PB154254BL	PB154254BL	07/18/2023	13:20	PQ062335.D	7.53	2.76
PB154254BS	PB154254BS	07/18/2023	13:35	PQ062336.D	7.53	2.76
AR1660CCC500	AR1660CCC500	07/18/2023	15:47	PQ062344.D	7.53	2.76
IBLK	IBLK	07/18/2023	16:16	PQ062346.D	7.53	2.76
SB-04-(1-5)MS	O3645-09MS	07/18/2023	19:12	PQ062358.D	7.53	2.76
SB-04-(1-5)MSD	O3645-10MSD	07/18/2023	19:26	PQ062359.D	7.52	2.76
X182-S5	O3649-01	07/18/2023	19:41	PQ062360.D	7.52	2.76
X182-B4	O3649-02	07/18/2023	19:56	PQ062361.D	7.52	2.76
X182-S3	O3649-03	07/18/2023	20:10	PQ062362.D	7.52	2.76
X182-B3	O3649-04	07/18/2023	20:25	PQ062363.D	7.52	2.76
X182-B3-DUP	O3649-05	07/18/2023	20:39	PQ062364.D	7.52	2.76
X182-S4	O3649-06	07/18/2023	20:54	PQ062365.D	7.52	2.76
AR1660CCC500	AR1660CCC500	07/18/2023	21:53	PQ062366.D	7.52	2.76
IBLK	IBLK	07/18/2023	22:22	PQ062368.D	7.52	2.76



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

Analytical Sequence



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB154254BS

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: PB154254BS Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062336.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.503	4.453	4.553	131	133	7.25
COLUMN 1	2	4.523	4.473	4.573	132		
	3	4.58	4.53	4.63	131		
	4	4.672	4.622	4.722	135		
	5	4.959	4.909	5.009	138		
	1	3.757	3.707	3.807	142		
COLUMN 2	2	3.772	3.722	3.822	144	143	
	3	3.932	3.882	3.982	143		
	4	3.982	3.932	4.032	142		
	5	4.176	4.126	4.226	142		
Aroclor-1260	1	6.061	6.011	6.111	139	141	6.85
COLUMN 1	2	6.322	6.272	6.372	139		
	3	6.676	6.626	6.726	139		
	4	6.893	6.843	6.943	141		
	5	7.205	7.155	7.255	144		
	1	5.168	5.118	5.218	153		
COLUMN 2	2	5.359	5.309	5.409	155	151	
	3	5.5	5.45	5.55	146		
	4	5.962	5.912	6.012	150		
	5	6.208	6.158	6.258	152		



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SB-04-(1-5)MS

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03645-09MS Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062358.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.503	4.453	4.553	147	176	3.35
COLUMN 1	2	4.522	4.472	4.572	176		
	3	4.579	4.529	4.629	200		
	4	4.671	4.621	4.721	190		
	5	4.958	4.908	5.008	169		
	1	3.757	3.707	3.807	196		
COLUMN 2	2	3.772	3.722	3.822	185	182	
	3	3.933	3.883	3.983	175		
	4	3.982	3.932	4.032	170		
	5	4.177	4.127	4.227	186		
Aroclor-1260	1	6.061	6.011	6.111	162	168	8.55
COLUMN 1	2	6.321	6.271	6.371	167		
	3	6.675	6.625	6.725	174		
	4	6.892	6.842	6.942	162		
	5	7.204	7.154	7.254	177		
	1	5.17	5.12	5.22	203		
COLUMN 2	2	5.36	5.31	5.41	184	183	
	3	5.501	5.451	5.551	175		
	4	5.963	5.913	6.013	179		
	5	6.209	6.159	6.259	176		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

SB-04-(1-5)MSD

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03645-10MSD Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062359.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	4.503	4.453	4.553	142	176	4.44
COLUMN 1	2	4.522	4.472	4.572	177		
	3	4.579	4.529	4.629	202		
	4	4.671	4.621	4.721	189		
	5	4.958	4.908	5.008	167		
	1	3.757	3.707	3.807	196		
COLUMN 2	2	3.772	3.722	3.822	185	184	
	3	3.932	3.882	3.982	175		
	4	3.982	3.932	4.032	171		
	5	4.176	4.126	4.226	191		
Aroclor-1260	1	6.061	6.011	6.111	164	170	9.52
COLUMN 1	2	6.321	6.271	6.371	170		
	3	6.675	6.625	6.725	172		
	4	6.891	6.841	6.941	165		
	5	7.203	7.153	7.253	179		
	1	5.17	5.12	5.22	207		
COLUMN 2	2	5.359	5.309	5.409	188	187	
	3	5.5	5.45	5.55	178		
	4	5.962	5.912	6.012	183		
	5	6.209	6.159	6.259	178		



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

X182-S3

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03649-03 Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062362.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	6.061	6.011	6.111	25.5	27.5	16.97
COLUMN 1	2	6.32	6.27	6.37	28.7		
	3	6.673	6.623	6.723	31.7		
	4	6.891	6.841	6.941	17.1		
	5	7.203	7.153	7.253	34.3		
	1	5.177	5.127	5.227	33.3		
COLUMN 2	2	5.364	5.314	5.414	51.3	32.6	
	3	5.499	5.449	5.549	27.0		
	4	5.962	5.912	6.012	24.5		
	5	6.209	6.159	6.259	26.9		



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

X182-B3

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03649-04 Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062363.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	6.06	6.01	6.11	23.1	29.2	13.92
COLUMN 1	2	6.313	6.263	6.363	49.2		
	3	6.674	6.624	6.724	33.2		
	4	6.891	6.841	6.941	16.7		
	5	7.203	7.153	7.253	23.8		
	1	5.17	5.12	5.22	25.7		
COLUMN 2	2	5.359	5.309	5.409	25.2	25.4	
	3	5.497	5.447	5.547	25.0		
	4	5.962	5.912	6.012	26.1		
	5	6.209	6.159	6.259	25.1		



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

X182-B3-DUP

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03649-05 Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062364.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	6.061	6.011	6.111	19.7	26.1	7.02
COLUMN 1	2	6.319	6.269	6.369	28.4		
	3	6.674	6.624	6.724	37.2		
	4	6.89	6.84	6.94	17.6		
	5	7.203	7.153	7.253	27.4		
	1	5.172	5.122	5.222	23.6		
COLUMN 2	2	5.359	5.309	5.409	30.8	28.0	
	3	5.499	5.449	5.549	27.4		
	4	5.962	5.912	6.012	29.0		
	5	6.209	6.159	6.259	29.1		



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

X182-S4

Contract: ATCE02

Lab Code: CHEM Case No.: 03649 SAS No.: 03649 SDG NO.: 03649

Lab Sample ID: 03649-06 Date(s) Analyzed: 07/18/2023 07/18/2023

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 PQ062365.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1260	1	6.06	6.01	6.11	14.6	15.4	19.35
COLUMN 1	2	6.319	6.269	6.369	18.1		
	3	6.674	6.624	6.724	21.1		
	4	6.892	6.842	6.942	9.62		
	5	7.202	7.152	7.252	13.4		
	1	5.171	5.121	5.221	19.1		
COLUMN 2	2	5.36	5.31	5.41	23.6	18.7	
	3	5.496	5.446	5.546	19.0		
	4	5.961	5.911	6.011	16.2		
	5	6.208	6.158	6.258	15.5		

QC SAMPLE DATA



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:		
Project:	SCA - PS 182X		Date Received:		
Client Sample ID:	PB154254BL		SDG No.:	O3649	
Lab Sample ID:	PB154254BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062335.D	1	07/18/23 09:10	07/18/23 13:20	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.60	U	3.60	17.0	ug/kg
11104-28-2	Aroclor-1221	5.90	U	5.90	17.0	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	17.0	ug/kg
53469-21-9	Aroclor-1242	3.10	U	3.10	17.0	ug/kg
12672-29-6	Aroclor-1248	2.80	U	2.80	17.0	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	17.0	ug/kg
37324-23-5	Aroclor-1262	2.70	U	2.70	17.0	ug/kg
11100-14-4	Aroclor-1268	3.30	U	3.30	17.0	ug/kg
11096-82-5	Aroclor-1260	3.30	U	3.30	17.0	ug/kg
Total PCBs	Total PCBs	5.70	U	5.70	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		40 - 162	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		32 - 176	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062335.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 13:20
 Operator : YP\AJ
 Sample : PB154254BL
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 PB154254BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:38:52 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.407	2.755	82920060	47923161	16.998	19.100
2)	SA Decachlor...	8.593	7.528	70510990	68062089	19.410	20.426

Target Compounds

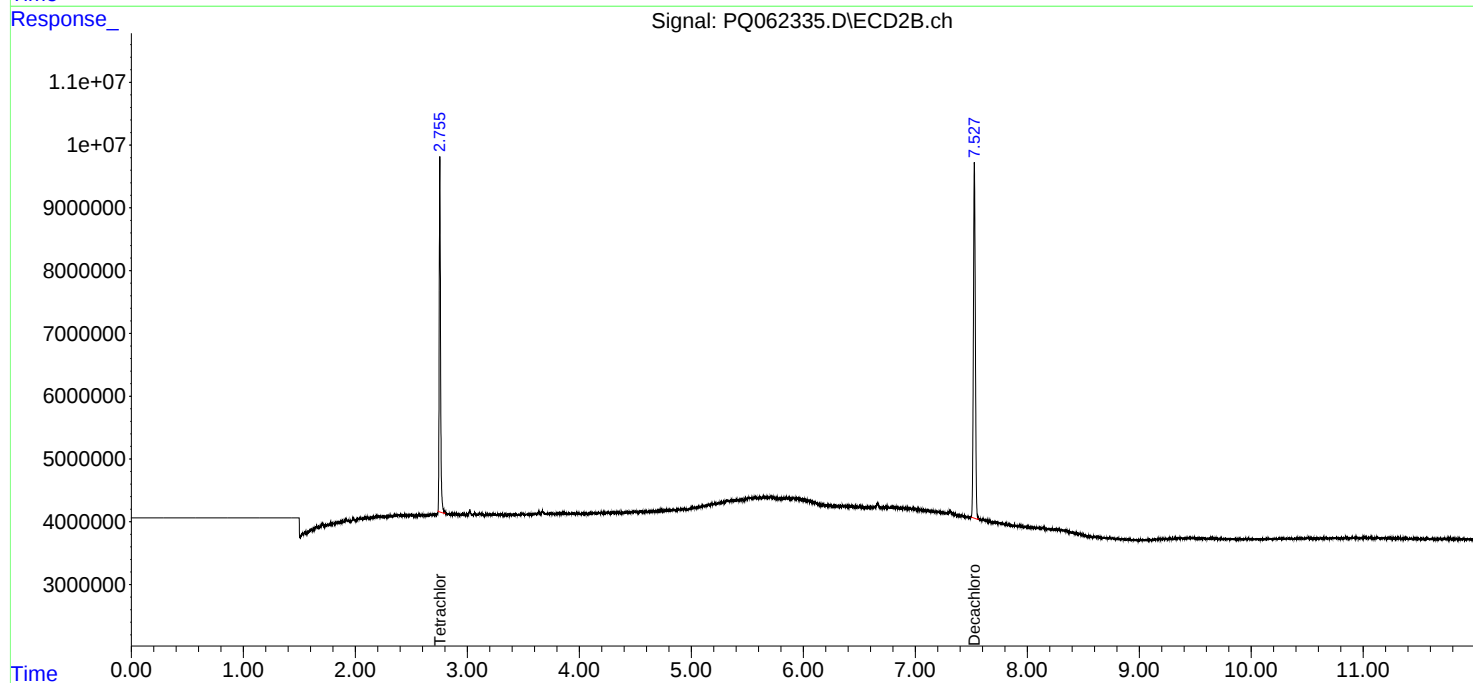
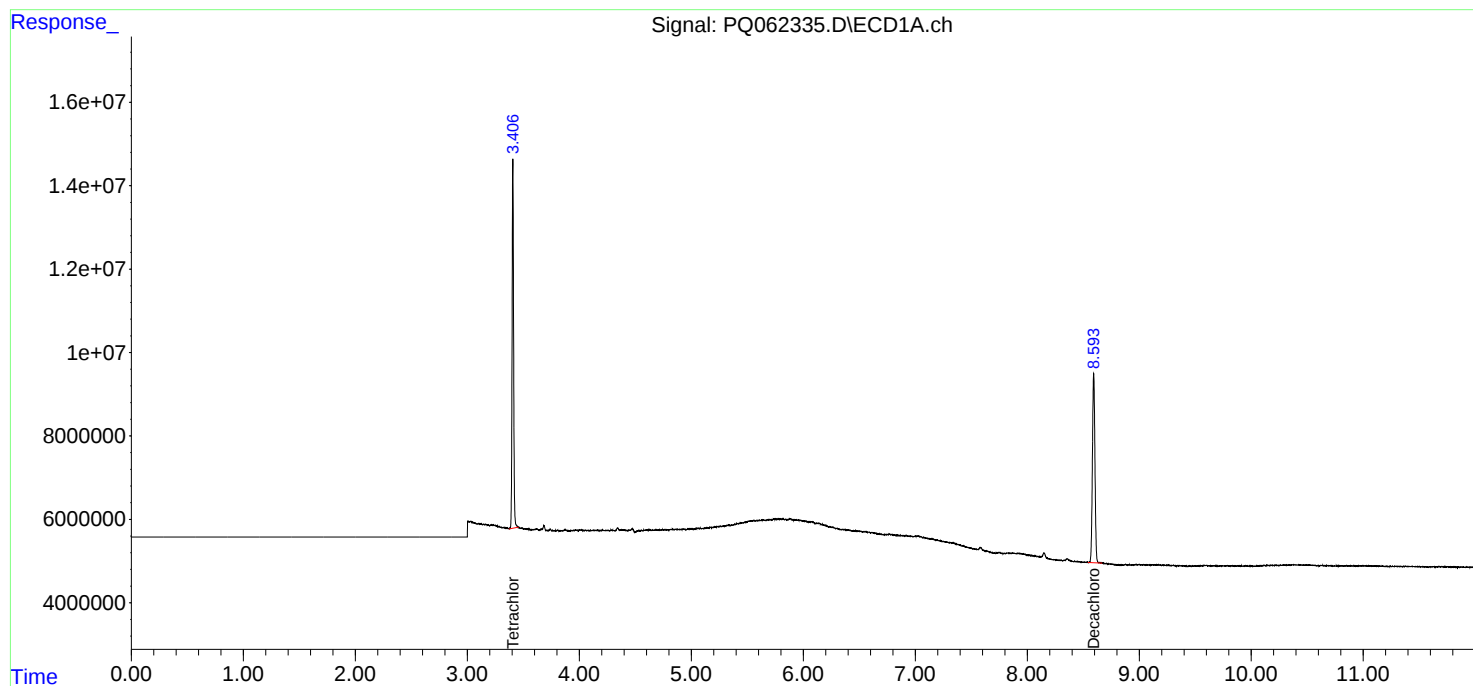
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

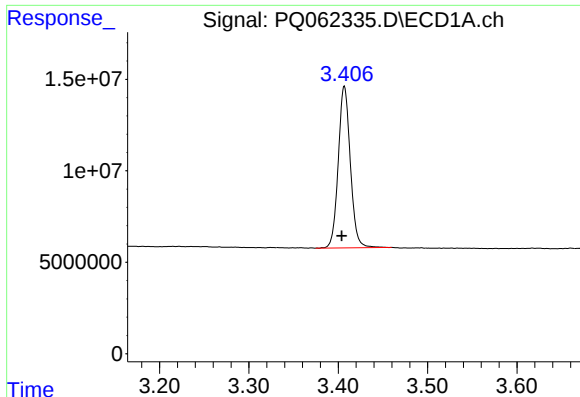
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 13:20
Operator : YP\AJ
Sample : PB154254BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB154254BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:38:52 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

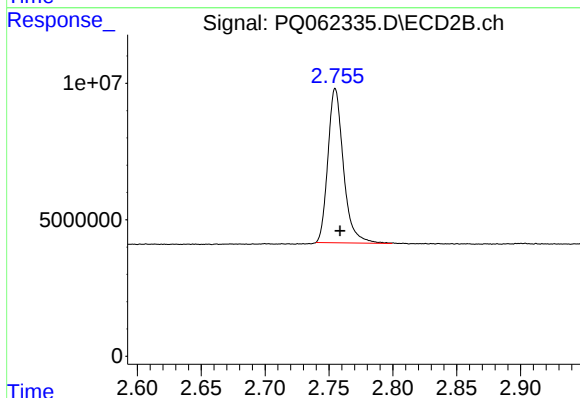




#1 Tetrachloro-m-xylene

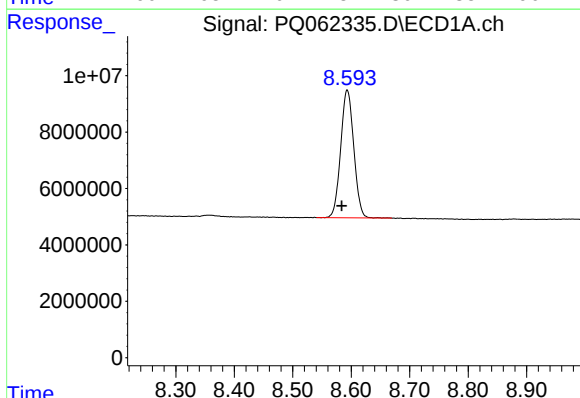
R.T.: 3.407 min
Delta R.T.: 0.003 min
Response: 82920060
Conc: 17.00 ng/ml

Instrument :
ECD_Q
ClientSampleId :
PB154254BL



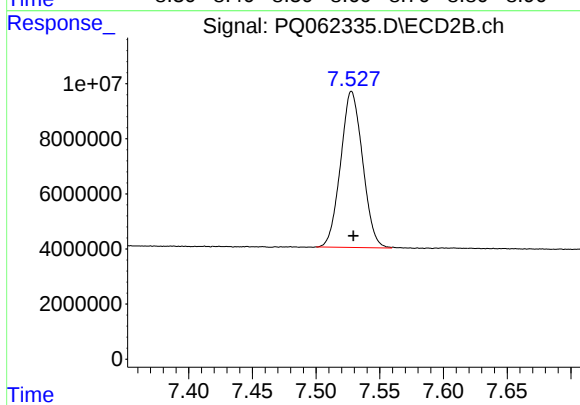
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.004 min
Response: 47923161
Conc: 19.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.593 min
Delta R.T.: 0.010 min
Response: 70510990
Conc: 19.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.528 min
Delta R.T.: -0.001 min
Response: 68062089
Conc: 20.43 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/01/23	
Project:	SCA - PS 182X		Date Received:	07/01/23	
Client Sample ID:	PIBLK-PQ061834.D		SDG No.:	O3649	
Lab Sample ID:	I.BLK-PQ061834.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ061834.D	1		07/01/23	pq070123

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.22	U	0.22	0.50	ug/L
11141-16-5	Aroclor-1232	0.18	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.15	U	0.15	0.50	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.50	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.0		60 - 140	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.5		60 - 140	102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 02:49
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:43:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:41:48 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.404	2.759	97713015	50821413	20.031	20.255
2) SA Decachlor...	8.585	7.529	76112583	68207231	20.952	20.469

Target Compounds

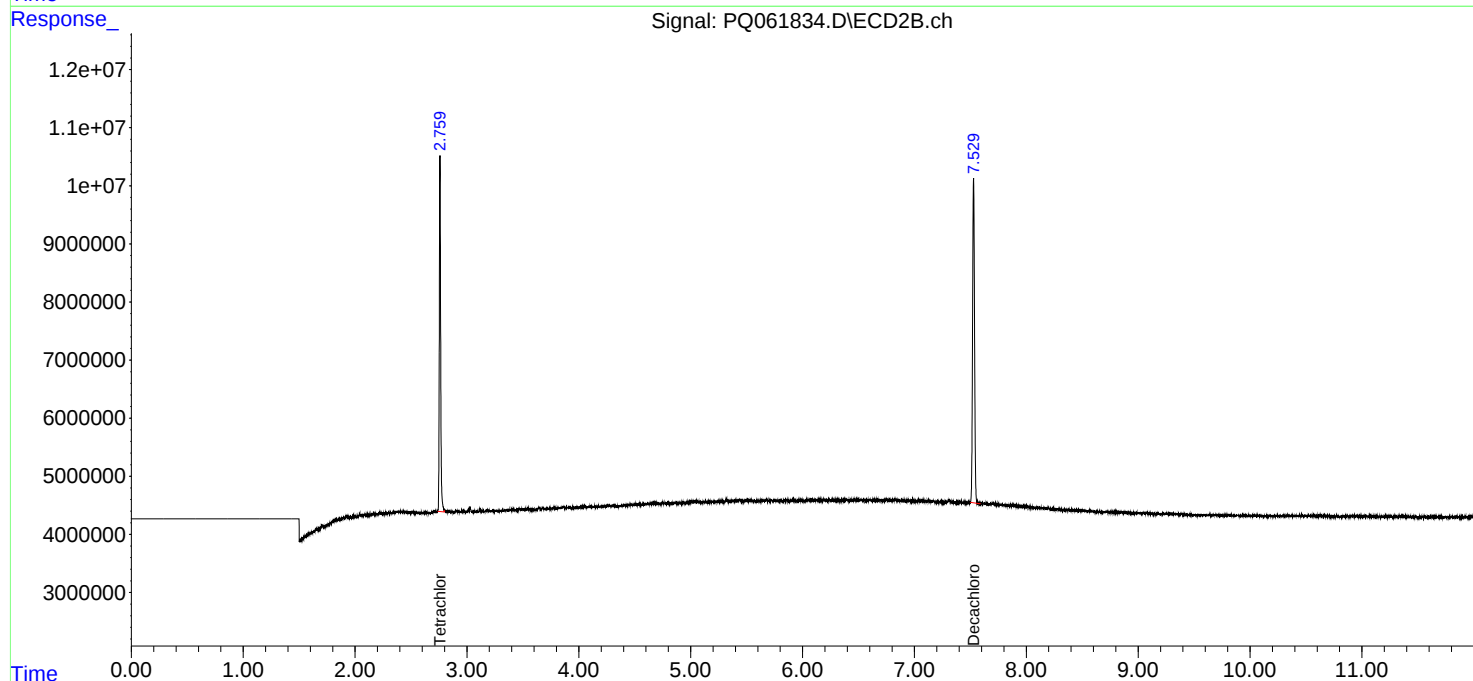
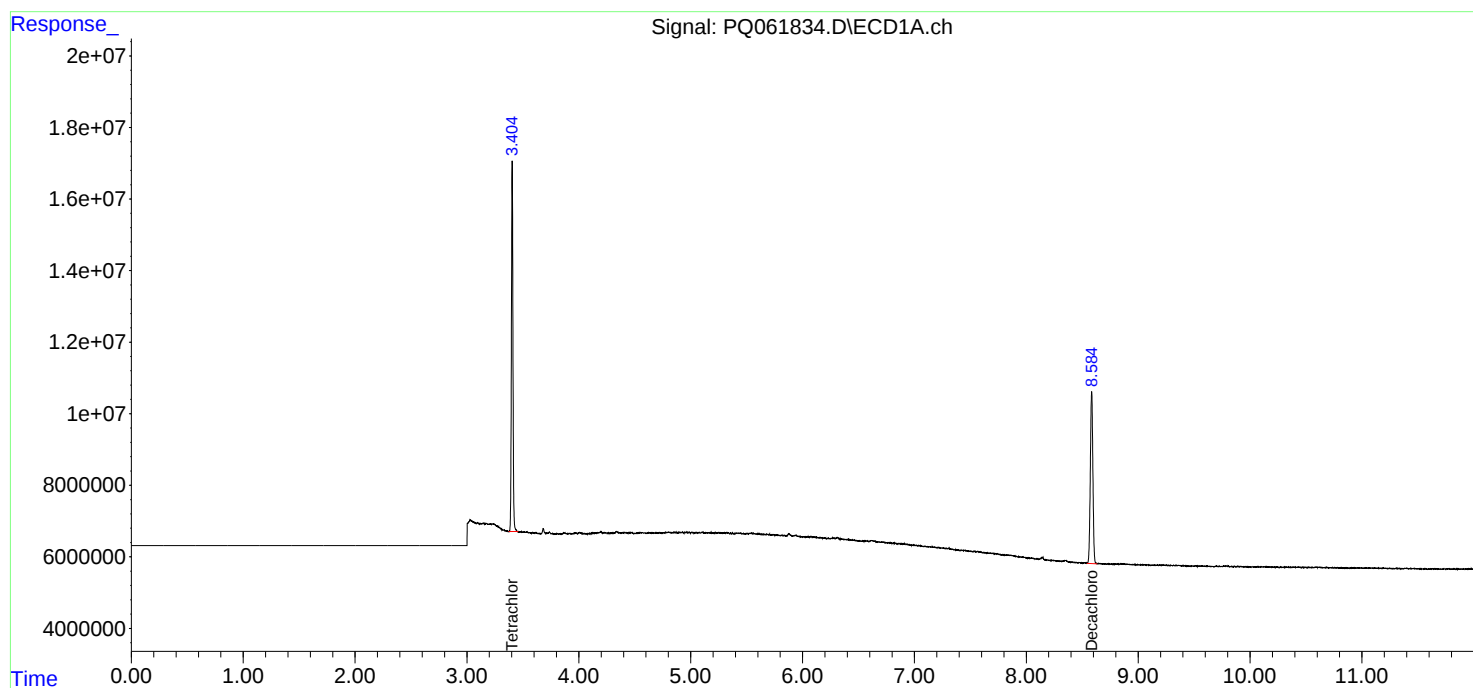
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

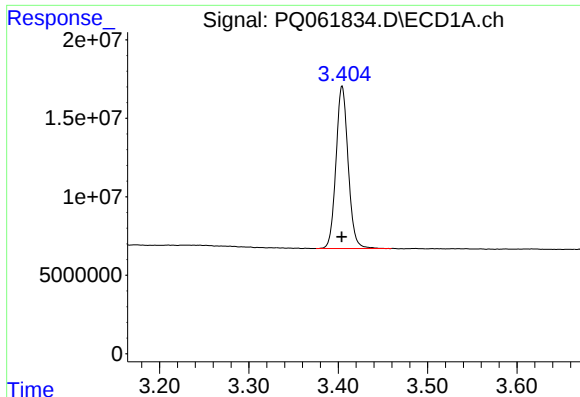
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ070123\
Data File : PQ061834.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Jul 2023 02:49
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 01 14:43:34 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Sat Jul 01 14:41:48 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

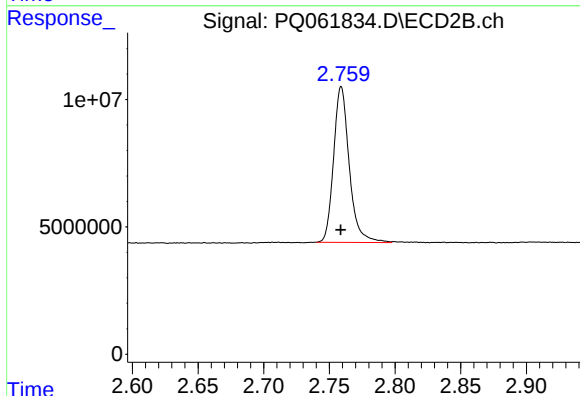




#1 Tetrachloro-m-xylene

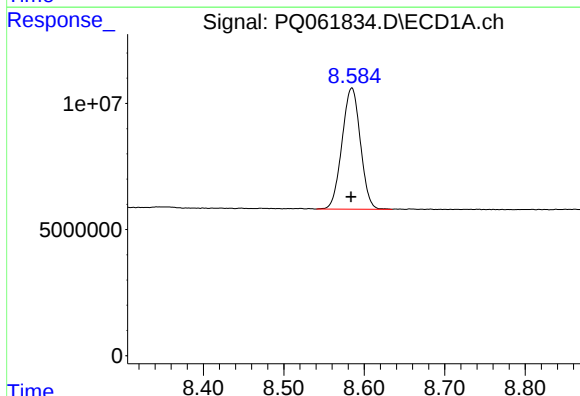
R.T.: 3.404 min
Delta R.T.: 0.000 min
Response: 97713015
Conc: 20.03 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



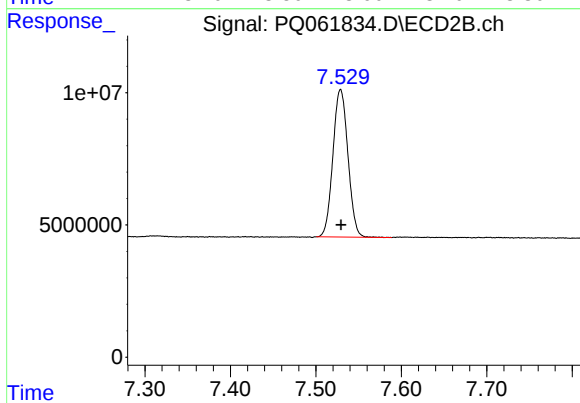
#1 Tetrachloro-m-xylene

R.T.: 2.759 min
Delta R.T.: 0.000 min
Response: 50821413
Conc: 20.25 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.585 min
Delta R.T.: 0.000 min
Response: 76112583
Conc: 20.95 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.529 min
Delta R.T.: 0.000 min
Response: 68207231
Conc: 20.47 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/18/23	
Project:	SCA - PS 182X		Date Received:	07/18/23	
Client Sample ID:	PIBLK-PQ062334.D		SDG No.:	O3649	
Lab Sample ID:	I.BLK-PQ062334.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062334.D	1		07/18/23	PQ071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.22	U	0.22	0.50	ug/L
11141-16-5	Aroclor-1232	0.18	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.15	U	0.15	0.50	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.50	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.0		60 - 140	75%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.2		60 - 140	86%	SPK: 20

Comments:

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

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 11:44
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 I.BLK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:38:26 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.756	73134652	44423046	14.992	17.705
2) SA Decachlor...	8.582	7.525	62325884	61625944	17.157	18.494m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 11:44
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

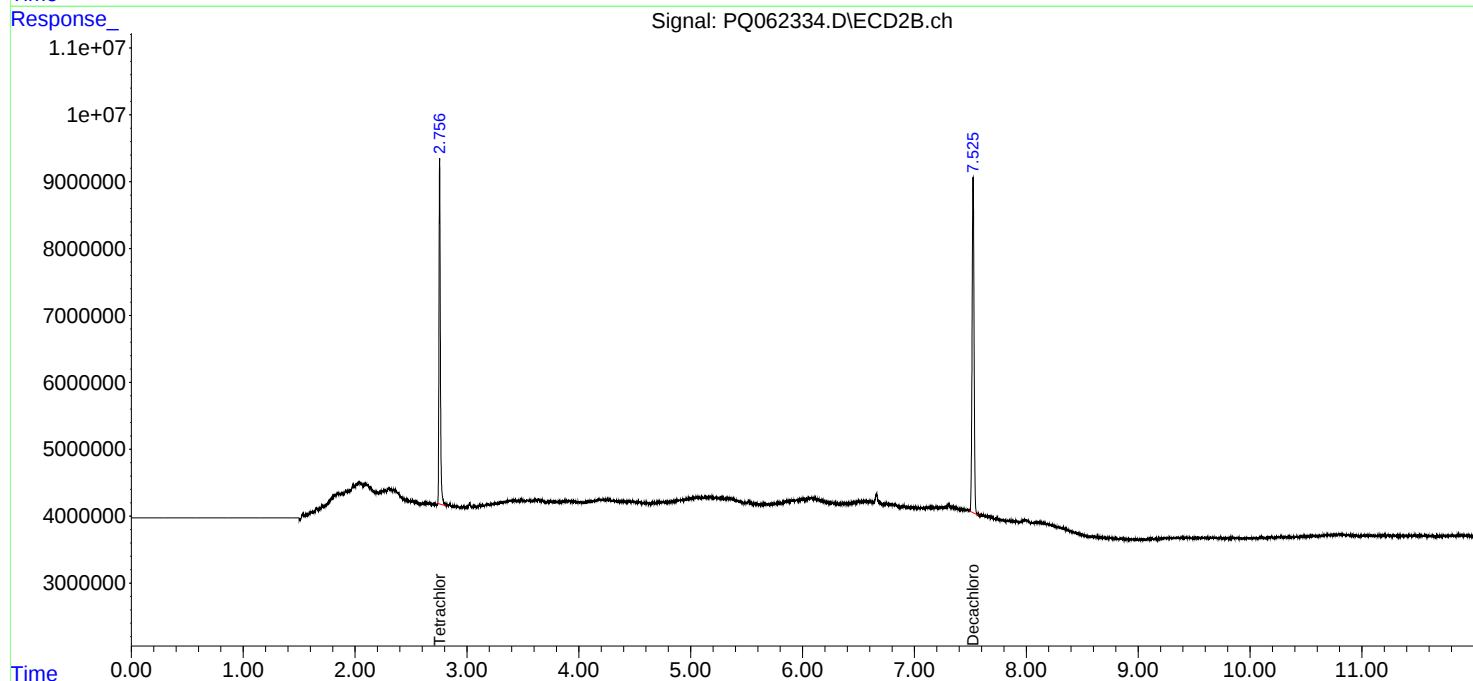
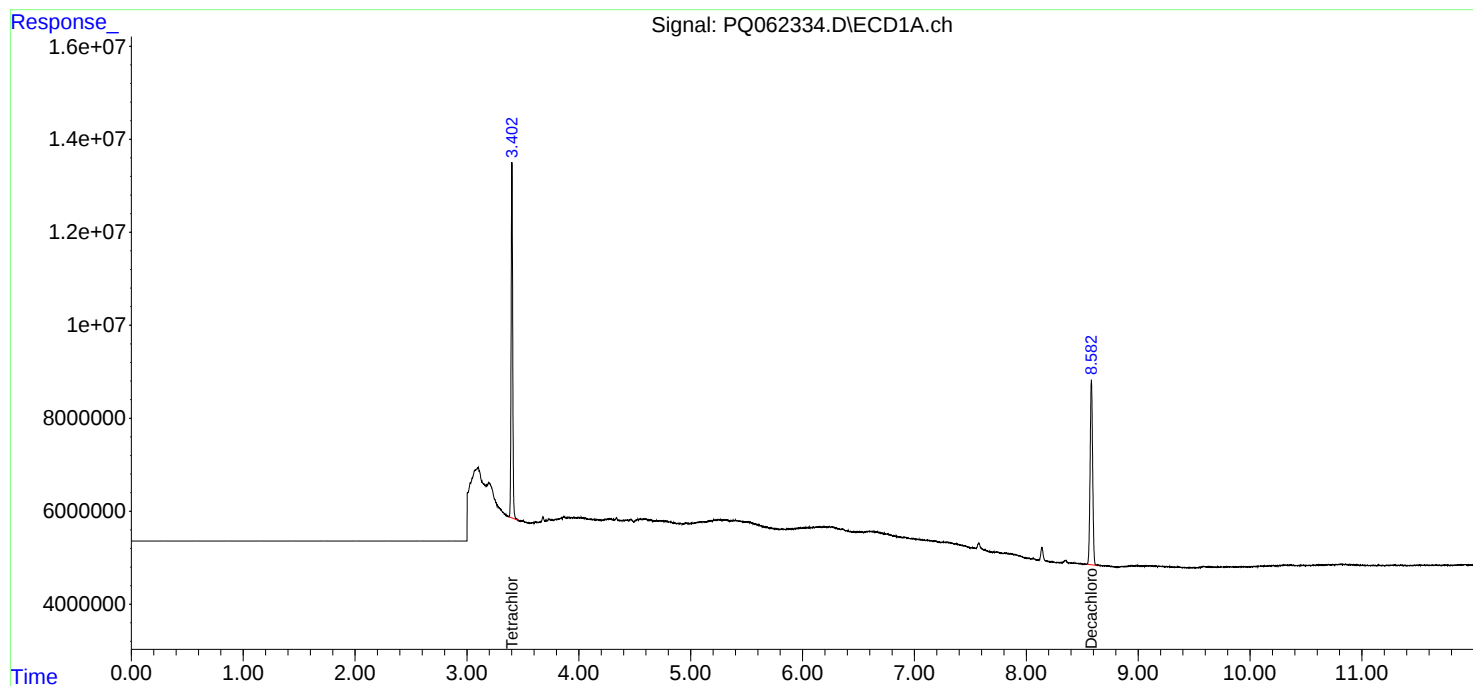
Instrument :
ECD_Q
ClientSampleId :
I.BLK

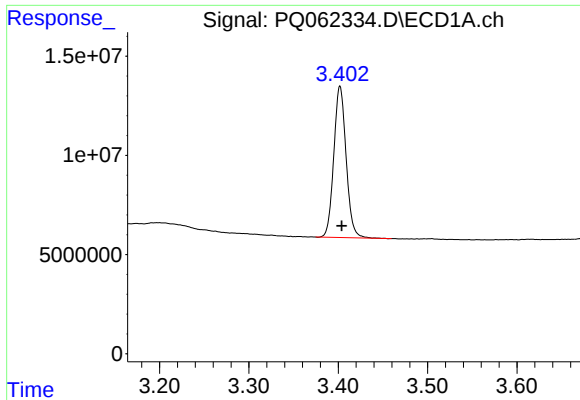
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:38:26 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





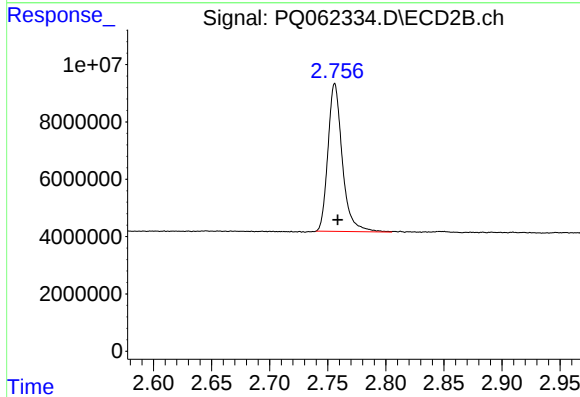
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
 Delta R.T.: -0.002 min
 Response: 73134652
 Conc: 14.99 ng/ml

Instrument :
 ECD_Q
 ClientSampleId :
 I.BLK

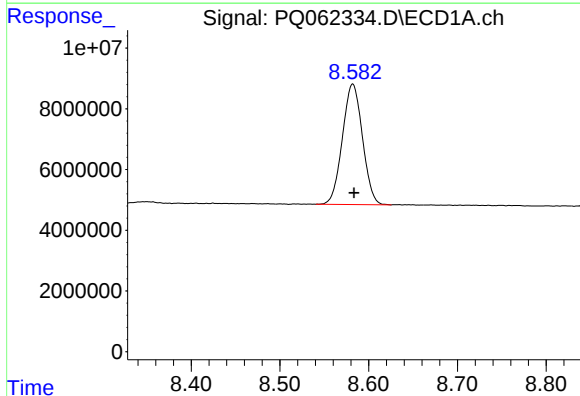
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023



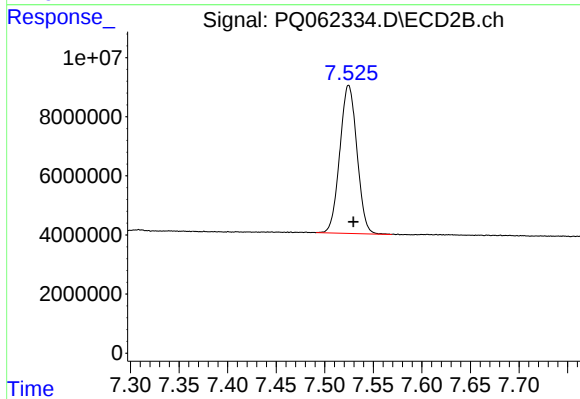
#1 Tetrachloro-m-xylene

R.T.: 2.756 min
 Delta R.T.: -0.003 min
 Response: 44423046
 Conc: 17.70 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.582 min
 Delta R.T.: -0.002 min
 Response: 62325884
 Conc: 17.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.525 min
 Delta R.T.: -0.005 min
 Response: 61625944
 Conc: 18.49 ng/ml m



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/18/23	
Project:	SCA - PS 182X		Date Received:	07/18/23	
Client Sample ID:	PIBLK-PQ062346.D		SDG No.:	O3649	
Lab Sample ID:	I.BLK-PQ062346.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062346.D	1		07/18/23	PQ071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.22	U	0.22	0.50	ug/L
11141-16-5	Aroclor-1232	0.18	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.15	U	0.15	0.50	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.50	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.9		60 - 140	79%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.1		60 - 140	85%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062346.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 16:16
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 I.BLK

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:44:47 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	77440893	46180660	15.875	18.405
2) SA Decachlor...	8.584	7.525	62042869	60040222	17.079	18.018

Target Compounds

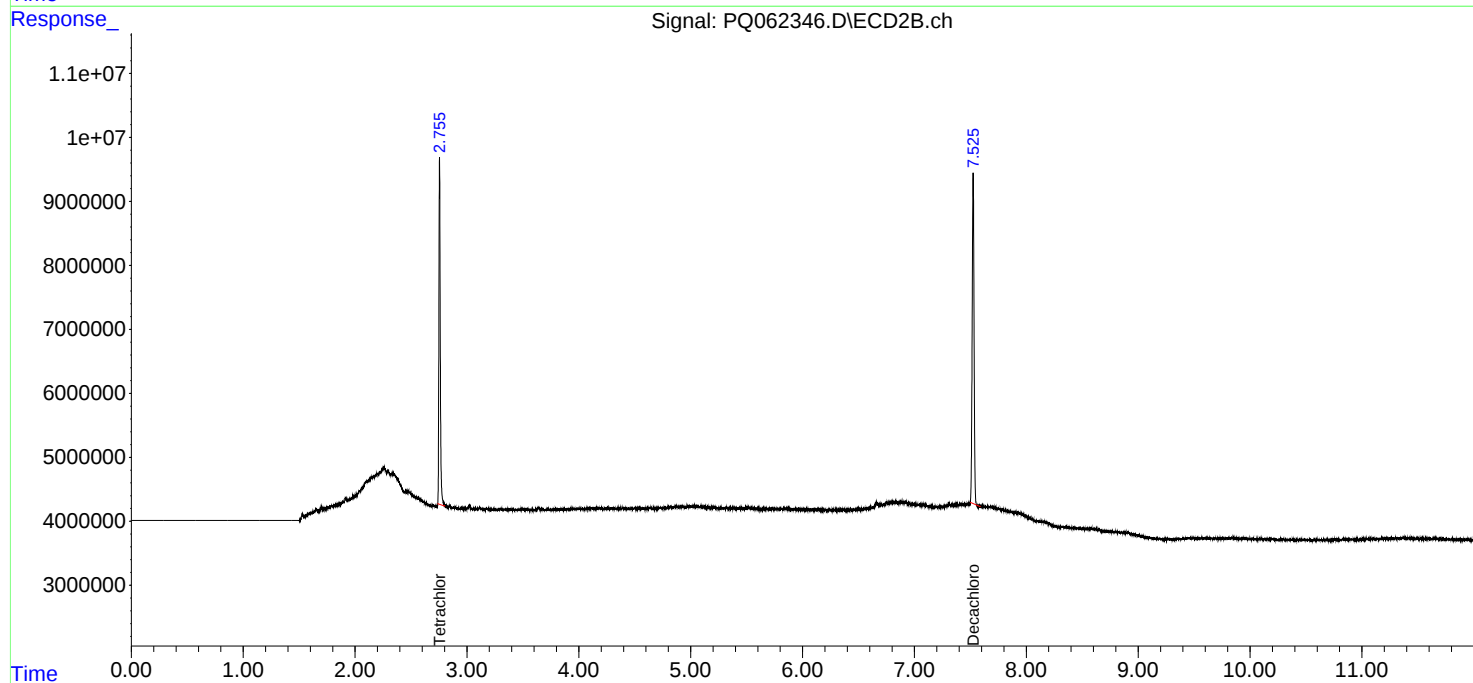
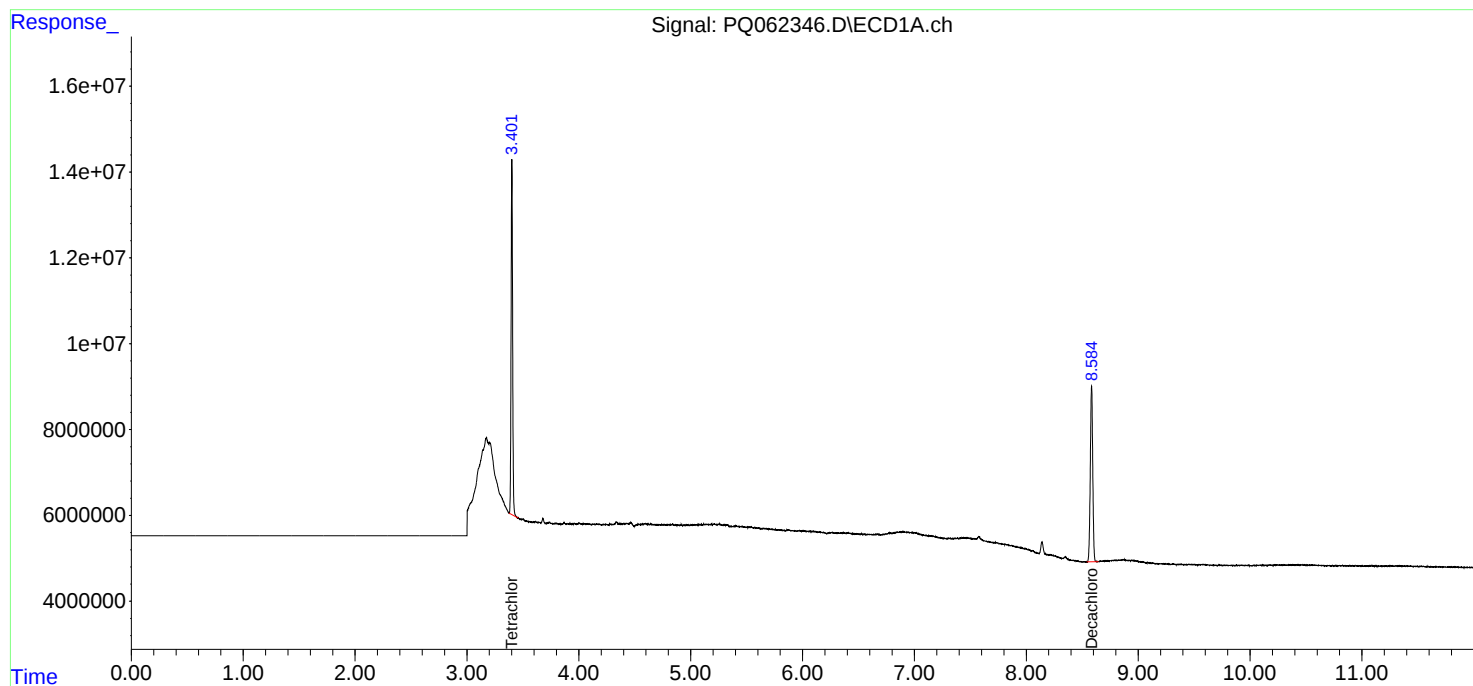
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

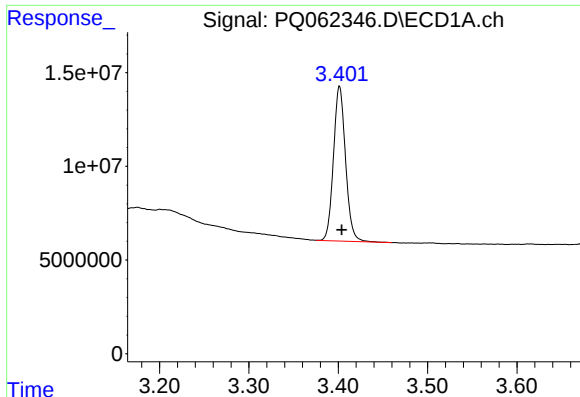
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062346.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 16:16
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
I.BLK

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:44:47 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm

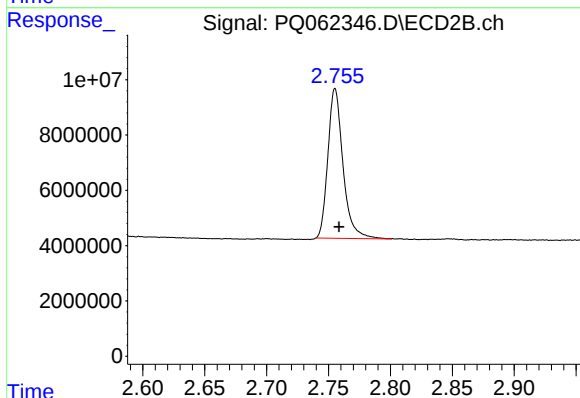




#1 Tetrachloro-m-xylene

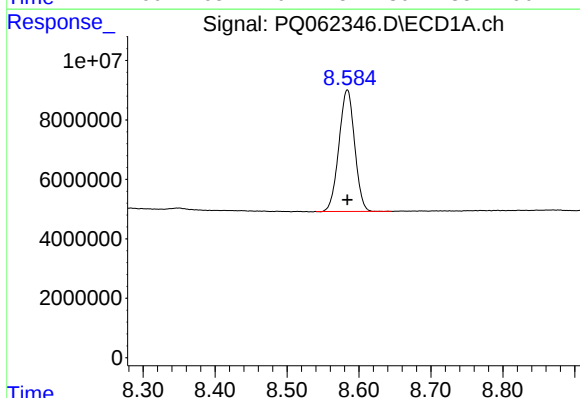
R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 77440893
Conc: 15.87 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK



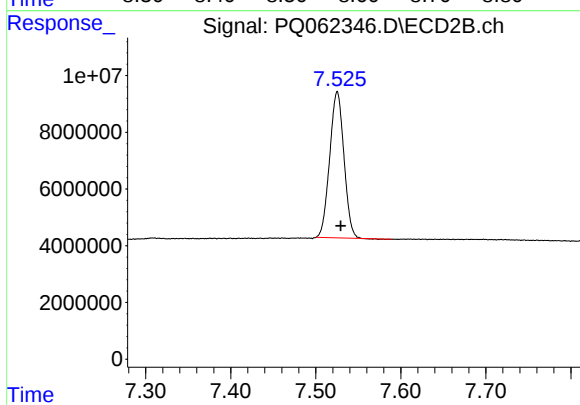
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.003 min
Response: 46180660
Conc: 18.41 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.584 min
Delta R.T.: 0.000 min
Response: 62042869
Conc: 17.08 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.525 min
Delta R.T.: -0.004 min
Response: 60040222
Conc: 18.02 ng/ml



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/18/23	
Project:	SCA - PS 182X		Date Received:	07/18/23	
Client Sample ID:	PIBLK-PQ062368.D		SDG No.:	O3649	
Lab Sample ID:	I.BLK-PQ062368.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062368.D	1		07/18/23	PQ071823

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.22	U	0.22	0.50	ug/L
11141-16-5	Aroclor-1232	0.18	U	0.18	0.50	ug/L
53469-21-9	Aroclor-1242	0.18	U	0.18	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.15	U	0.15	0.50	ug/L
11096-82-5	Aroclor-1260	0.16	U	0.16	0.50	ug/L
37324-23-5	Aroclor-1262	0.16	U	0.16	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	16.7		60 - 140	84%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.3		60 - 140	92%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 22:22
 Operator : YP\AJ
 Sample : I.BLK
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 I.BLK

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:58:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	81675689	48336841	16.743	19.265m
2) SA Decachlor...	8.581	7.524	66472801	65510276	18.298	19.660m

Target Compounds

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062368.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 22:22
Operator : YP\AJ
Sample : I.BLK
Misc :
ALS Vial : 2 Sample Multiplier: 1

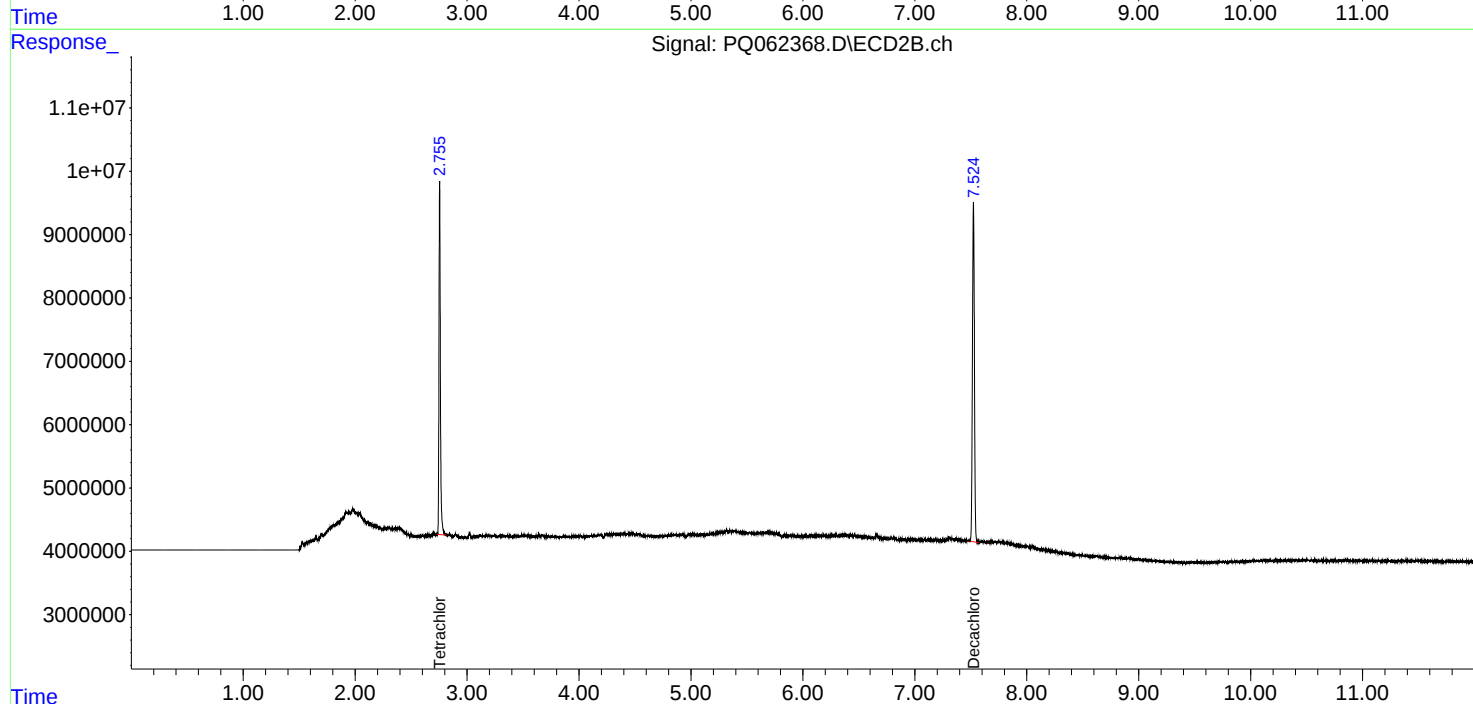
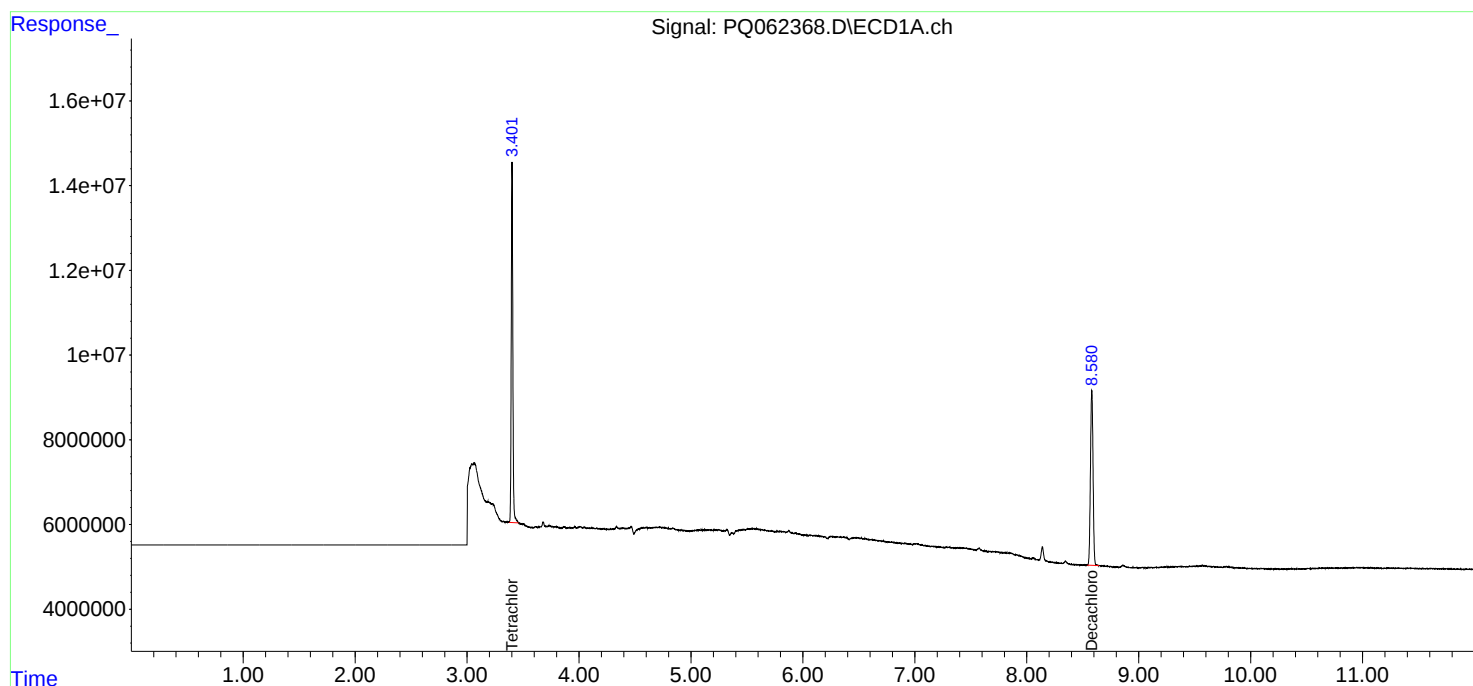
Instrument :
ECD_Q
ClientSampleId :
I.BLK

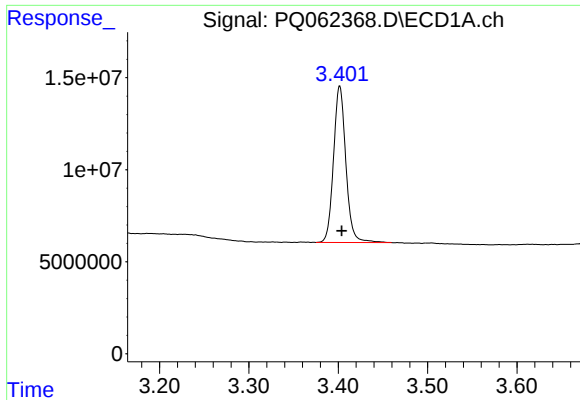
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:58:59 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





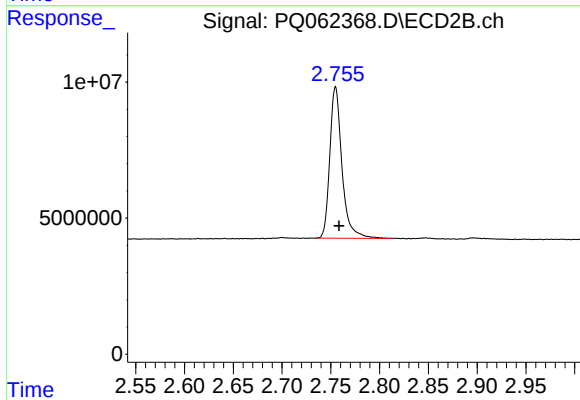
#1 Tetrachloro-m-xylene

R.T.: 3.402 min
Delta R.T.: -0.002 min
Response: 81675689
Conc: 16.74 ng/ml

Instrument :
ECD_Q
ClientSampleId :
I.BLK

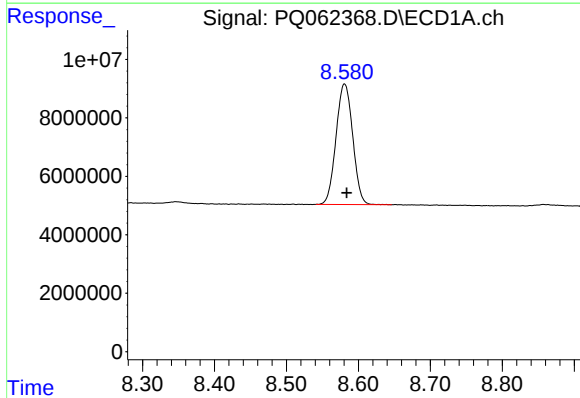
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023



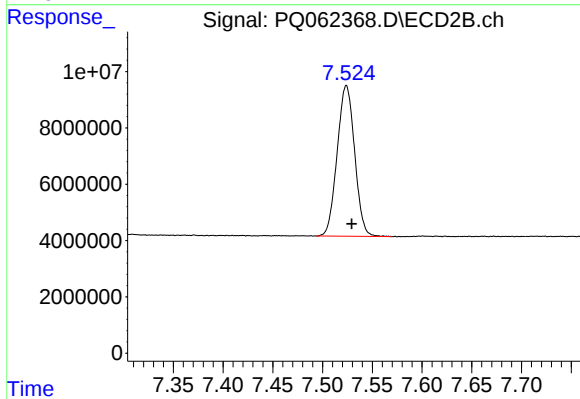
#1 Tetrachloro-m-xylene

R.T.: 2.755 min
Delta R.T.: -0.004 min
Response: 48336841
Conc: 19.26 ng/ml m



#2 Decachlorobiphenyl

R.T.: 8.581 min
Delta R.T.: -0.003 min
Response: 66472801
Conc: 18.30 ng/ml



#2 Decachlorobiphenyl

R.T.: 7.524 min
Delta R.T.: -0.006 min
Response: 65510276
Conc: 19.66 ng/ml m



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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:		
Project:	SCA - PS 182X		Date Received:		
Client Sample ID:	PB154254BS		SDG No.:	O3649	
Lab Sample ID:	PB154254BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062336.D	1	07/18/23 09:10	07/18/23 13:35	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	143		3.60	17.0	ug/kg
11104-28-2	Aroclor-1221	5.90	U	5.90	17.0	ug/kg
11141-16-5	Aroclor-1232	4.50	U	4.50	17.0	ug/kg
53469-21-9	Aroclor-1242	3.10	U	3.10	17.0	ug/kg
12672-29-6	Aroclor-1248	2.80	U	2.80	17.0	ug/kg
11097-69-1	Aroclor-1254	3.80	U	3.80	17.0	ug/kg
37324-23-5	Aroclor-1262	2.70	U	2.70	17.0	ug/kg
11100-14-4	Aroclor-1268	3.30	U	3.30	17.0	ug/kg
11096-82-5	Aroclor-1260	151		3.30	17.0	ug/kg
Total PCBs	Total PCBs	294		6.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.2		40 - 162	91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		32 - 176	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062336.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 13:35
 Operator : YP\AJ
 Sample : PB154254BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 PB154254BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:39:28 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.403	2.756	82416924	45769637	16.895	18.241
2) SA Decachlor...	8.587	7.525	68866624	66055524	18.957	19.824
Target Compounds						
3) L1 AR-1016-1	4.503	3.757	64732945	42296185	392.993	427.340
4) L1 AR-1016-2	4.523	3.772	97786410	62271923	395.467	431.847
5) L1 AR-1016-3	4.580	3.932	60076513	32251736	394.188	427.500
6) L1 AR-1016-4	4.672	3.982	50689782	28026315	404.401	426.716
7) L1 AR-1016-5	4.959	4.176	50510460	34819654	414.983	424.725
31) L7 AR-1260-1	6.061	5.168	98724760	76223015	418.447	457.650
32) L7 AR-1260-2	6.322	5.359	120.1E6	96682808	415.820	464.942
33) L7 AR-1260-3	6.676	5.500	73852109	85157098	418.245	437.694
34) L7 AR-1260-4	6.893	5.962	89339419	65737547	424.114	450.685
35) L7 AR-1260-5	7.205	6.208	177.0E6	151.6E6	431.115	456.671

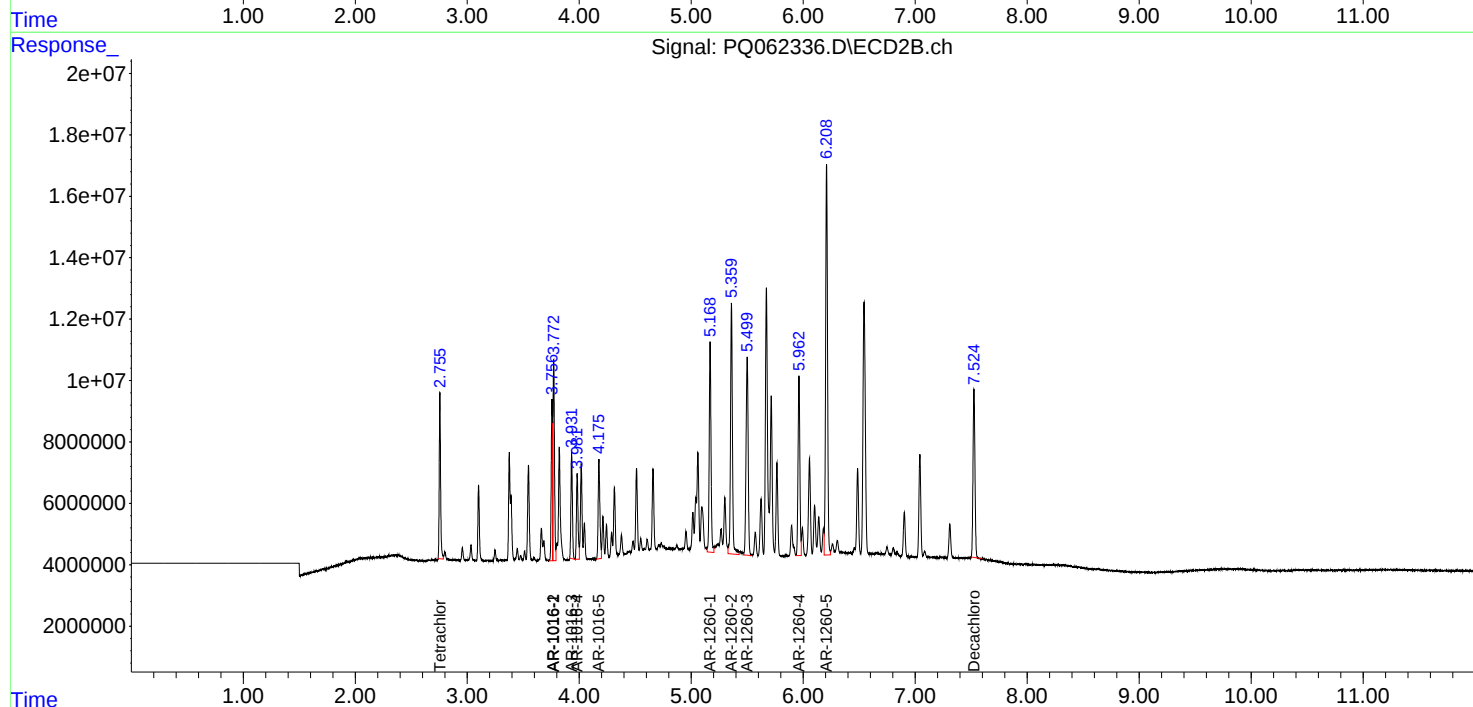
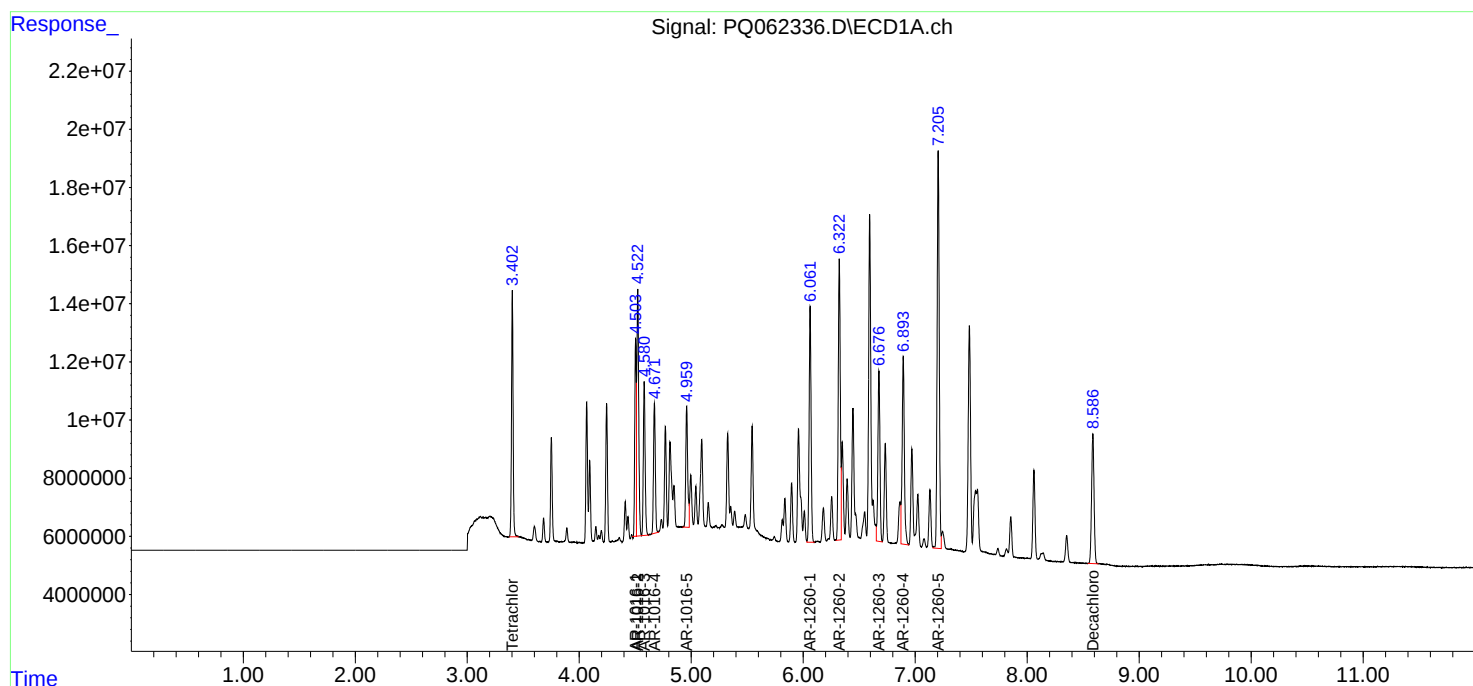
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062336.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 13:35
Operator : YP\AJ
Sample : PB154254BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
ECD_Q
ClientSampleId :
PB154254BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:39:28 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/12/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	SB-04-(1-5)MS		SDG No.:	O3649	
Lab Sample ID:	O3645-09MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	91.3	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062358.D	1	07/18/23 09:10	07/18/23 19:12	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	182		3.90	18.6	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	18.6	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	18.6	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	18.6	ug/kg
12672-29-6	Aroclor-1248	3.10	U	3.10	18.6	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	18.6	ug/kg
37324-23-5	Aroclor-1262	3.00	U	3.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.6	ug/kg
11096-82-5	Aroclor-1260	183		3.70	18.6	ug/kg
Total PCBs	Total PCBs	366		7.60	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		40 - 162	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		32 - 176	98%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062358.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 19:12
 Operator : YP\AJ
 Sample : 03645-09MS
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 SB-04-(1-5)MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:54:05 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	91187317	50958305	18.693	20.309
2)	SA Decachlor...	8.584	7.525	67878661	65578737	18.685	19.680
Target Compounds							
3)	L1 AR-1016-1	4.503	3.757	66352597	53144252	402.826	536.944 #
4)	L1 AR-1016-2	4.522	3.772	119.7E6	73311467	484.028	508.405
5)	L1 AR-1016-3	4.579	3.933	83593032	36177406	548.490	479.535
6)	L1 AR-1016-4	4.671	3.982	65487156	30614434	522.454	466.121
7)	L1 AR-1016-5	4.958	4.177	56379848	41939262	463.205	511.569
31)	L7 AR-1260-1	6.061	5.170	104.6E6	92650523	443.426	556.282m#
32)	L7 AR-1260-2	6.321	5.360	132.8E6	104.8E6	459.642	503.971m
33)	L7 AR-1260-3	6.675	5.501	84109588	93659276	476.335	481.393m
34)	L7 AR-1260-4	6.892	5.963	93878720	71650972	445.663	491.226
35)	L7 AR-1260-5	7.204	6.209	199.1E6	160.6E6	484.784	483.760

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062358.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 19:12
Operator : YP\AJ
Sample : 03645-09MS
Misc :
ALS Vial : 27 Sample Multiplier: 1

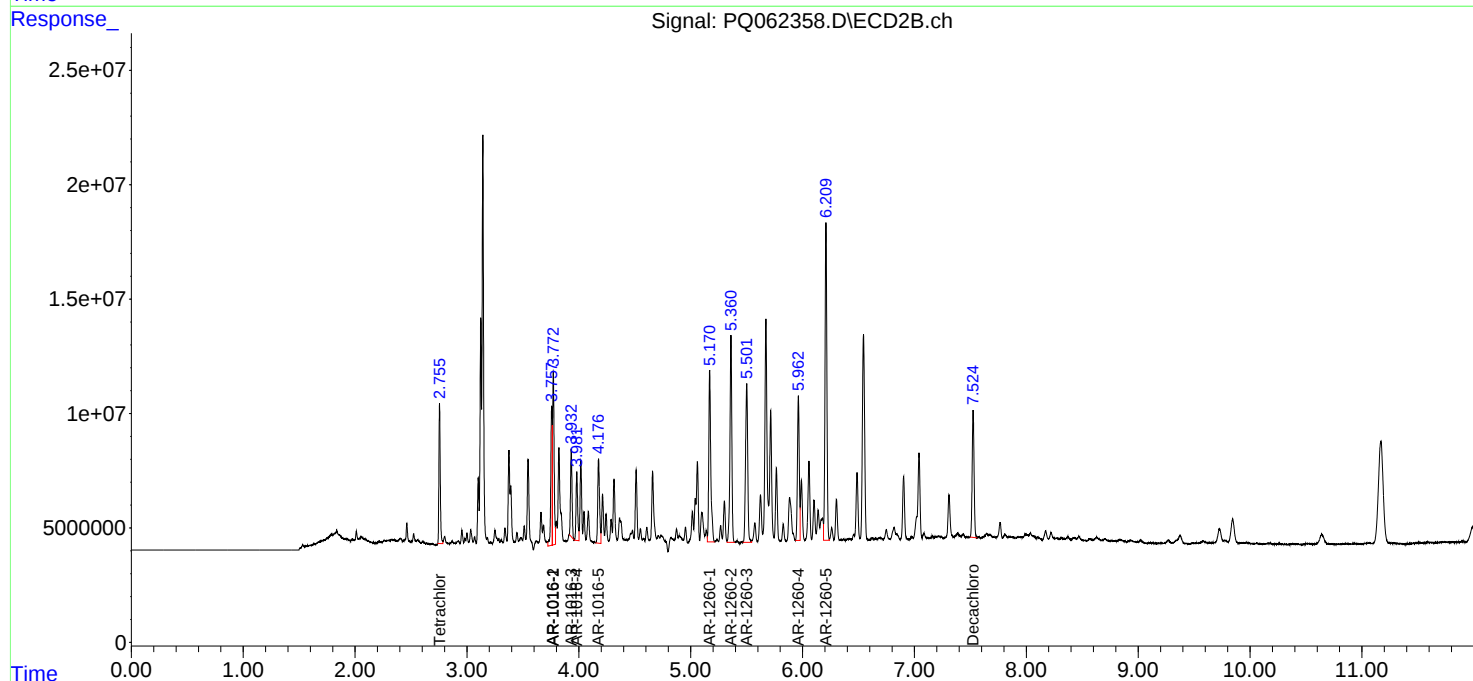
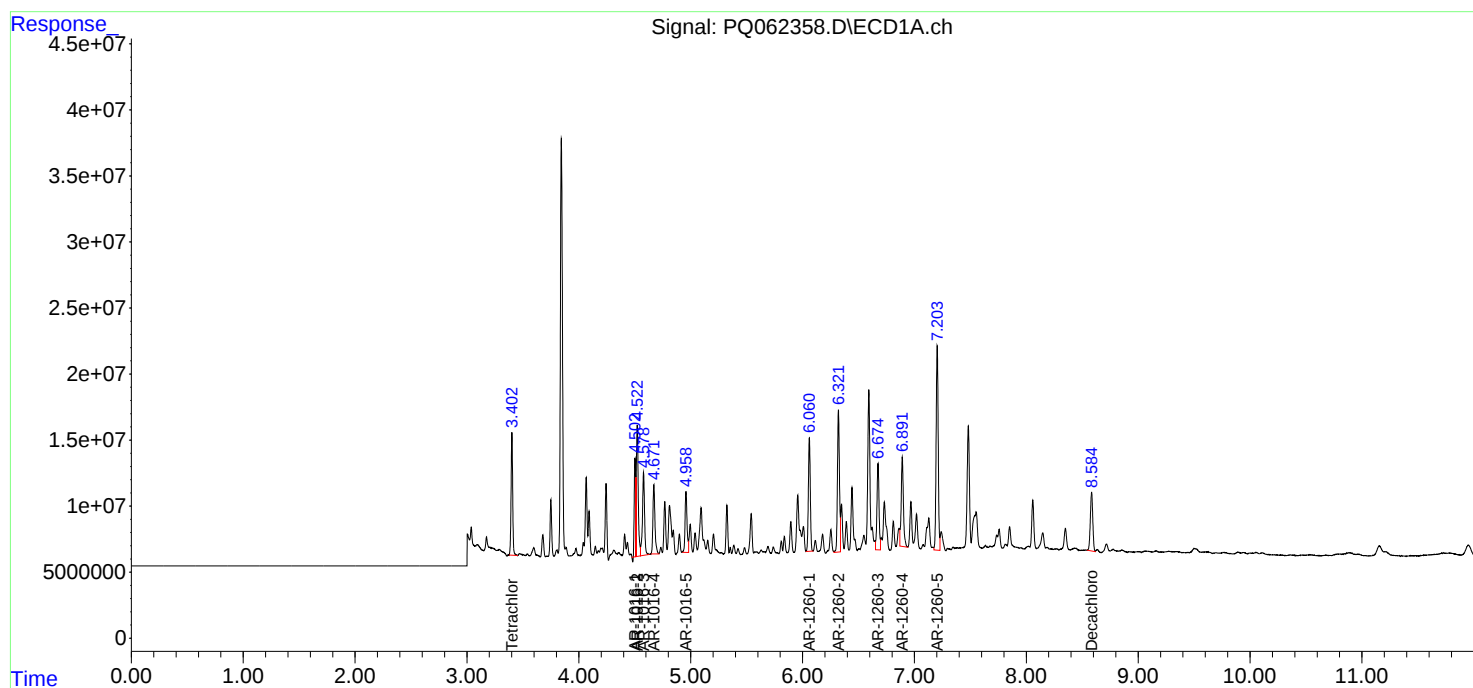
Instrument :
ECD_Q
ClientSampleId :
SB-04-(1-5)MS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:54:05 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Report of Analysis

Client:	ATC Group Services LLC		Date Collected:	07/12/23	
Project:	SCA - PS 182X		Date Received:	07/17/23	
Client Sample ID:	SB-04-(1-5)MSD		SDG No.:	O3649	
Lab Sample ID:	O3645-10MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	91.3	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PQ062359.D	1	07/18/23 09:10	07/18/23 19:26	PB154254

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	184		3.90	18.6	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	18.6	ug/kg
11141-16-5	Aroclor-1232	4.90	U	4.90	18.6	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	18.6	ug/kg
12672-29-6	Aroclor-1248	3.10	U	3.10	18.6	ug/kg
11097-69-1	Aroclor-1254	4.10	U	4.10	18.6	ug/kg
37324-23-5	Aroclor-1262	3.00	U	3.00	18.6	ug/kg
11100-14-4	Aroclor-1268	3.60	U	3.60	18.6	ug/kg
11096-82-5	Aroclor-1260	187		3.60	18.6	ug/kg
Total PCBs	Total PCBs	371		7.50	18.6	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		40 - 162	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		32 - 176	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
 Data File : PQ062359.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2023 19:26
 Operator : YP\AJ
 Sample : 03645-10MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 ECD_Q
 ClientSampleId :
 SB-04-(1-5)MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/19/2023
 Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 19 02:54:37 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Tue Jul 04 05:32:27 2023
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30Mx0.32mmx 0.50µ 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...	3.402	2.755	92121382	50856325	18.884	20.269
2) SA Decachlor...	8.582	7.524	68894795	65710004	18.965	19.720
Target Compounds						
3) L1 AR-1016-1	4.503	3.757	64317728	53261047	390.472	538.124 #
4) L1 AR-1016-2	4.522	3.772	120.5E6	73113892	487.265	507.035
5) L1 AR-1016-3	4.579	3.932	84476333	36355841	554.286	481.900
6) L1 AR-1016-4	4.671	3.982	65221235	30856306	520.333	469.804
7) L1 AR-1016-5	4.958	4.176	55746817	43039240	458.004	524.986
31) L7 AR-1260-1	6.061	5.170	106.5E6	94595138	451.227	567.957m#
32) L7 AR-1260-2	6.321	5.359	134.7E6	107.6E6	466.394	517.366m
33) L7 AR-1260-3	6.675	5.500	83359363	95009484	472.087	488.333m
34) L7 AR-1260-4	6.891	5.962	95589247	73432456	453.783	503.439
35) L7 AR-1260-5	7.203	6.209	201.6E6	162.7E6	491.026	490.069

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Data\PQ071823\
Data File : PQ062359.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2023 19:26
Operator : YP\AJ
Sample : 03645-10MSD
Misc :
ALS Vial : 28 Sample Multiplier: 1

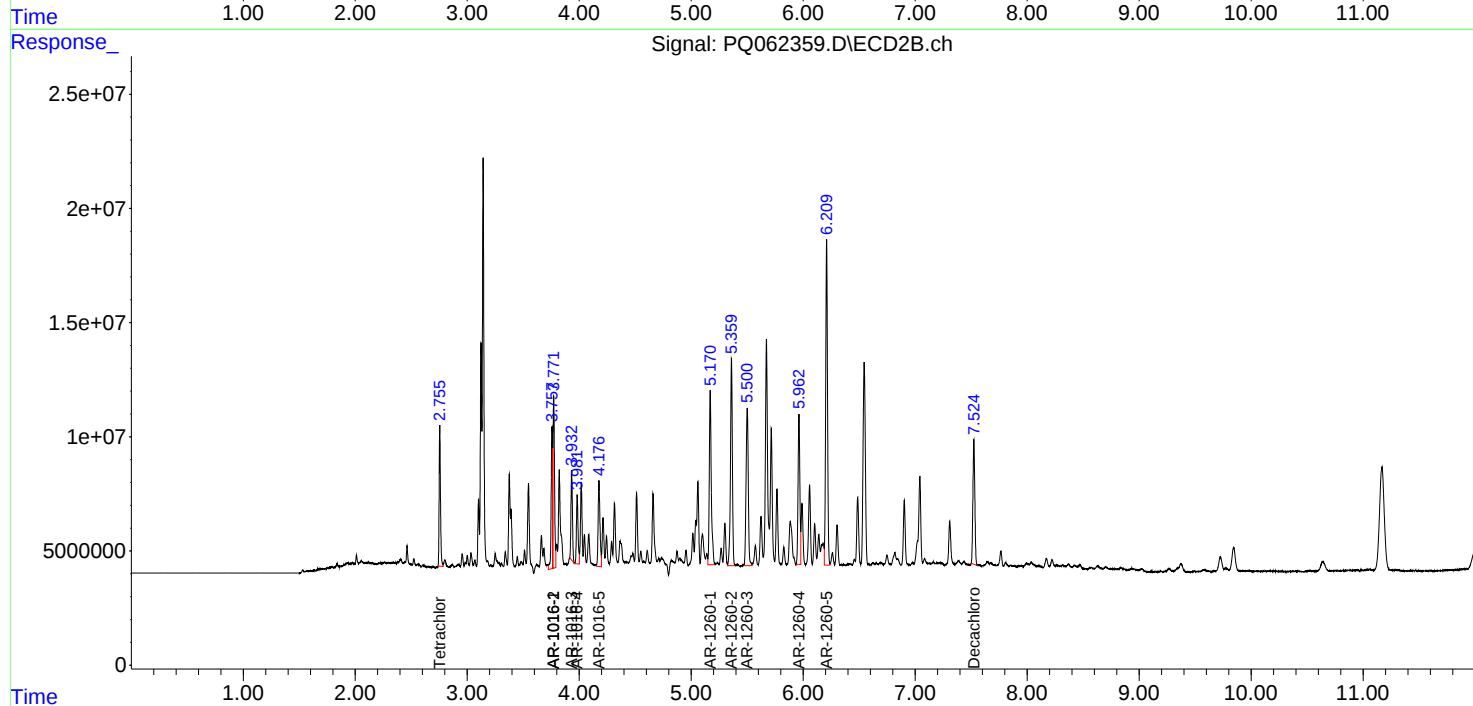
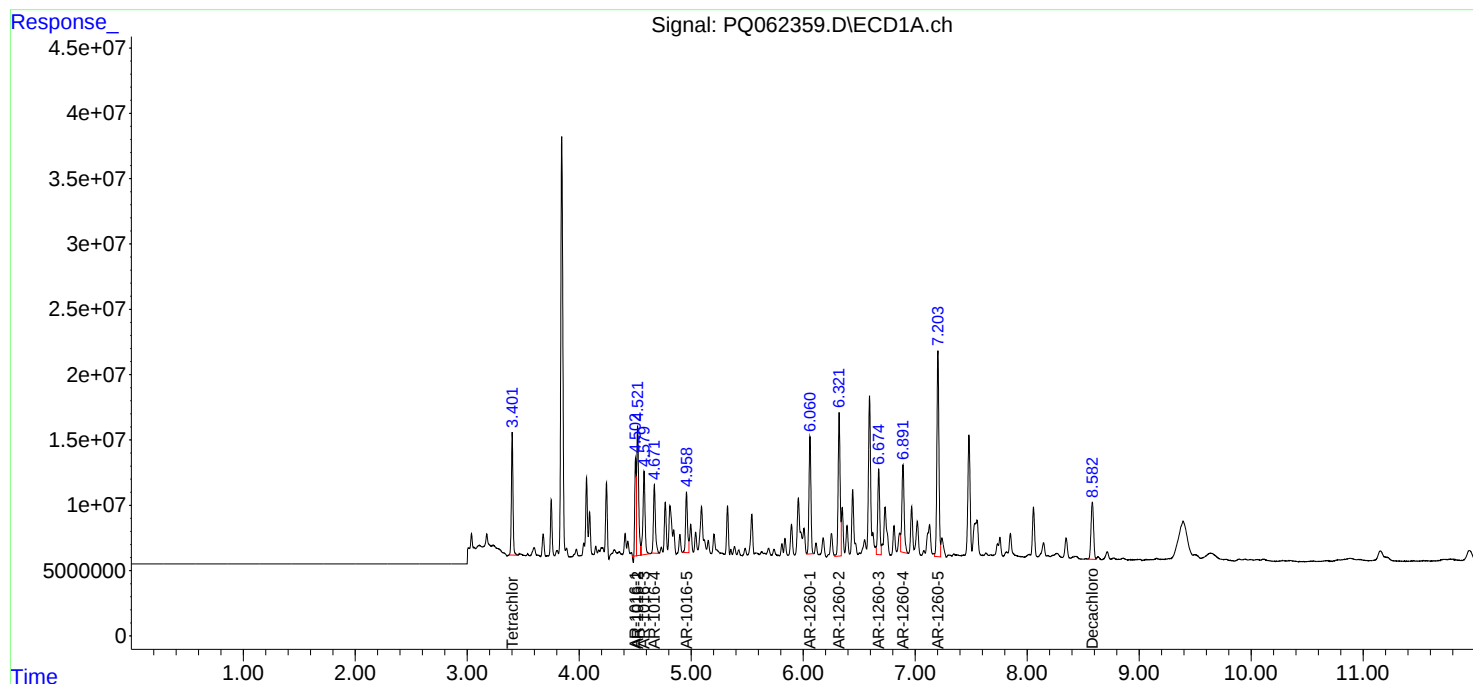
Instrument :
ECD_Q
ClientSampleId :
SB-04-(1-5)MSD

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/19/2023
Supervised By :Ankita Jodhani 07/19/2023

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 19 02:54:37 2023
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_Q\Method\PQ070123.M
Quant Title : GC EXTRACTABLES
QLast Update : Tue Jul 04 05:32:27 2023
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 2 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30Mx0.32mmx 0.50µ Signal #2 Info : 30M x 0.32mm x 0.25µm





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

Manual Integration Report

Sequence:

pq070123

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PQ061839.D	AR-1260-2 #2	yogesh	7/3/2023 8:19:25 AM	Ankita	7/5/2023 9:18:43	Peak Integrated by Software
AR1248ICC750	PQ061848.D	AR-1248-4	yogesh	7/5/2023 9:35:21 AM	Ankita	7/5/2023 9:37:49	Peak Integrated by Software
AR1248ICC750	PQ061848.D	AR-1248-5	yogesh	7/5/2023 9:35:21 AM	Ankita	7/5/2023 9:37:49	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PQ071823

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
I.BLK	PQ062334.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:44:19 AM	Ankita	7/19/2023 9:38:14	Peak Integrated by Software
O3645-09MS	PQ062358.D	AR-1260-1 #2	yogesh	7/19/2023 8:44:34 AM	Ankita	7/19/2023 9:38:27	Peak Integrated by Software
O3645-09MS	PQ062358.D	AR-1260-2 #2	yogesh	7/19/2023 8:44:34 AM	Ankita	7/19/2023 9:38:27	Peak Integrated by Software
O3645-09MS	PQ062358.D	AR-1260-3 #2	yogesh	7/19/2023 8:44:34 AM	Ankita	7/19/2023 9:38:27	Peak Integrated by Software
O3645-10MSD	PQ062359.D	AR-1260-1 #2	yogesh	7/19/2023 8:44:36 AM	Ankita	7/19/2023 9:38:28	Peak Integrated by Software
O3645-10MSD	PQ062359.D	AR-1260-2 #2	yogesh	7/19/2023 8:44:36 AM	Ankita	7/19/2023 9:38:28	Peak Integrated by Software
O3645-10MSD	PQ062359.D	AR-1260-3 #2	yogesh	7/19/2023 8:44:36 AM	Ankita	7/19/2023 9:38:28	Peak Integrated by Software
O3649-01	PQ062360.D	Decachlorobiphenyl	yogesh	7/19/2023 8:45:12 AM	Ankita	7/19/2023 9:38:30	Peak Integrated by Software
O3649-01	PQ062360.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:12 AM	Ankita	7/19/2023 9:38:30	Peak Integrated by Software
O3649-02	PQ062361.D	Decachlorobiphenyl	yogesh	7/19/2023 8:45:14 AM	Ankita	7/19/2023 9:38:32	Peak Integrated by Software
O3649-02	PQ062361.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:14 AM	Ankita	7/19/2023 9:38:32	Peak Integrated by Software
O3649-03	PQ062362.D	AR-1260-1 #2	yogesh	7/19/2023 2:37:37 PM	Ankita	7/19/2023 2:39:27	Peak Integrated by Software
O3649-03	PQ062362.D	AR-1260-2	yogesh	7/19/2023 2:37:37 PM	Ankita	7/19/2023 2:39:27	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PQ071823

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O3649-03	PQ062362.D	AR-1260-2 #2	yogesh	7/19/2023 2:37:37 PM	Ankita	7/19/2023 2:39:27	Peak Integrated by Software
O3649-03	PQ062362.D	AR-1260-3 #2	yogesh	7/19/2023 2:37:37 PM	Ankita	7/19/2023 2:39:27	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-1 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-2 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-3	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-3 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-4 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1254-5 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1260-1 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1260-2 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1260-3 #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	AR-1260-4	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PQ071823

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O3649-04	PQ062363.D	AR-1260-5	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	Decachlorobiphenyl	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-04	PQ062363.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:53 AM	Ankita	7/19/2023 9:38:36	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-1	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-1 #2	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-2 #2	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-3 #2	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-4	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	AR-1260-5	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	Decachlorobiphenyl	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-05	PQ062364.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:55 AM	Ankita	7/19/2023 9:38:38	Peak Integrated by Software
O3649-06	PQ062365.D	AR-1260-1	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	AR-1260-1 #2	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PQ071823

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
O3649-06	PQ062365.D	AR-1260-2 #2	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	AR-1260-3 #2	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	AR-1260-4	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	AR-1260-5	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	Decachlorobiphenyl	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
O3649-06	PQ062365.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:57 AM	Ankita	7/19/2023 9:38:40	Peak Integrated by Software
AR1254CCC500	PQ062367.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:45:59 AM	Ankita	7/19/2023 9:38:42	Peak Integrated by Software
AR1254CCC500	PQ062367.D	Tetrachloro-m-xylene #2	yogesh	7/19/2023 8:45:59 AM	Ankita	7/19/2023 9:38:42	Peak Integrated by Software
I.BLK	PQ062368.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:46:01 AM	Ankita	7/19/2023 9:38:44	Peak Integrated by Software
I.BLK	PQ062368.D	Tetrachloro-m-xylene #2	yogesh	7/19/2023 8:46:01 AM	Ankita	7/19/2023 9:38:44	Peak Integrated by Software
AR1660CCC500	PQ062375.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:46:09 AM	Ankita	7/19/2023 9:38:52	Peak Integrated by Software
AR1660CCC500	PQ062375.D	Tetrachloro-m-xylene #2	yogesh	7/19/2023 8:46:09 AM	Ankita	7/19/2023 9:38:52	Peak Integrated by Software
AR1254CCC500	PQ062376.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:46:12 AM	Ankita	7/19/2023 9:38:54	Peak Integrated by Software



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

Manual Integration Report

Sequence:

PQ071823

Instrument

ECD_q

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PQ062376.D	Tetrachloro-m-xylene #2	yogesh	7/19/2023 8:46:12 AM	Ankita	7/19/2023 9:38:54	Peak Integrated by Software
I.BLK	PQ062377.D	Decachlorobiphenyl #2	yogesh	7/19/2023 8:46:14 AM	Ankita	7/19/2023 9:38:56	Peak Integrated by Software
I.BLK	PQ062377.D	Tetrachloro-m-xylene #2	yogesh	7/19/2023 8:46:14 AM	Ankita	7/19/2023 9:38:56	Peak Integrated by Software



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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ070123

Review By	yogesh	Review On	7/3/2023 8:19:38 AM
Supervise By	Ankita	Supervise On	7/5/2023 9:18:48 AM
SubDirectory	PQ070123	HP Acquire Method	HP Processing Method PQ070123
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246		
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244		
Internal Standard/PEM			
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ061833.D	01 Jul 2023 02:34	YP\AJ	Ok
2	I.BLK	PQ061834.D	01 Jul 2023 02:49	YP\AJ	Ok
3	AR1660ICC1000	PQ061835.D	01 Jul 2023 03:04	YP\AJ	Ok
4	AR1660ICC750	PQ061836.D	01 Jul 2023 03:18	YP\AJ	Ok
5	AR1660ICC500	PQ061837.D	01 Jul 2023 03:33	YP\AJ	Ok
6	AR1660ICC250	PQ061838.D	01 Jul 2023 03:48	YP\AJ	Ok
7	AR1660ICC050	PQ061839.D	01 Jul 2023 04:02	YP\AJ	Ok,M
8	AR1221ICC500	PQ061840.D	01 Jul 2023 04:17	YP\AJ	Ok
9	AR1232ICC500	PQ061841.D	01 Jul 2023 04:31	YP\AJ	Ok
10	AR1242ICC1000	PQ061842.D	01 Jul 2023 04:46	YP\AJ	Ok
11	AR1242ICC750	PQ061843.D	01 Jul 2023 05:01	YP\AJ	Ok
12	AR1242ICC500	PQ061844.D	01 Jul 2023 05:15	YP\AJ	Ok
13	AR1242ICC250	PQ061845.D	01 Jul 2023 05:30	YP\AJ	Ok
14	AR1242ICC050	PQ061846.D	01 Jul 2023 05:45	YP\AJ	Ok
15	AR1248ICC1000	PQ061847.D	01 Jul 2023 05:59	YP\AJ	Ok
16	AR1248ICC750	PQ061848.D	01 Jul 2023 06:14	YP\AJ	Ok,M
17	AR1248ICC500	PQ061849.D	01 Jul 2023 06:28	YP\AJ	Ok
18	AR1248ICC250	PQ061850.D	01 Jul 2023 06:43	YP\AJ	Ok
19	AR1248ICC050	PQ061851.D	01 Jul 2023 06:58	YP\AJ	Ok
20	AR1254ICC1000	PQ061852.D	01 Jul 2023 07:12	YP\AJ	Ok
21	AR1254ICC750	PQ061853.D	01 Jul 2023 07:27	YP\AJ	Ok
22	AR1254ICC500	PQ061854.D	01 Jul 2023 07:42	YP\AJ	Ok
23	AR1254ICC250	PQ061855.D	01 Jul 2023 07:56	YP\AJ	Ok



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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ070123

Review By	yogesh	Review On	7/3/2023 8:19:38 AM
Supervise By	Ankita	Supervise On	7/5/2023 9:18:48 AM
SubDirectory	PQ070123	HP Acquire Method	HP Processing Method PQ070123

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,P P22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP 22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	AR1254ICC050	PQ061856.D	01 Jul 2023 08:11	YP\AJ	Ok
25	AR1262ICC500	PQ061857.D	01 Jul 2023 08:25	YP\AJ	Ok
26	AR1268ICC1000	PQ061858.D	01 Jul 2023 08:40	YP\AJ	Ok
27	AR1268ICC750	PQ061859.D	01 Jul 2023 08:55	YP\AJ	Ok
28	AR1268ICC500	PQ061860.D	01 Jul 2023 09:09	YP\AJ	Ok
29	AR1268ICC250	PQ061861.D	01 Jul 2023 09:24	YP\AJ	Ok
30	AR1268ICC050	PQ061862.D	01 Jul 2023 09:39	YP\AJ	Ok
31	PQ070123ICV500	PQ061863.D	01 Jul 2023 09:53	YP\AJ	Ok
32	AR1242ICV500	PQ061864.D	01 Jul 2023 10:08	YP\AJ	Ok
33	AR1248ICV500	PQ061865.D	01 Jul 2023 10:23	YP\AJ	Ok
34	AR1254ICV500	PQ061866.D	01 Jul 2023 10:37	YP\AJ	Ok
35	AR1268ICV500	PQ061867.D	01 Jul 2023 10:52	YP\AJ	Ok

M : Manual Integration



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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM
SubDirectory	PQ071823	HP Acquire Method	HP Processing Method PQ070123
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246		
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244		
Internal Standard/PEM			
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PQ062329.D	18 Jul 2023 10:15	YP\AJ	Ok
2	AR1660CCC500	PQ062330.D	18 Jul 2023 10:46	YP\AJ	Ok
3	AR1242CCC500	PQ062331.D	18 Jul 2023 11:01	YP\AJ	Ok
4	AR1248CCC500	PQ062332.D	18 Jul 2023 11:15	YP\AJ	Ok
5	AR1254CCC500	PQ062333.D	18 Jul 2023 11:30	YP\AJ	Ok
6	I.BLK	PQ062334.D	18 Jul 2023 11:44	YP\AJ	Ok,M
7	PB154254BL	PQ062335.D	18 Jul 2023 13:20	YP\AJ	Ok
8	PB154254BS	PQ062336.D	18 Jul 2023 13:35	YP\AJ	Ok
9	O3646-01	PQ062337.D	18 Jul 2023 13:50	YP\AJ	Ok,M
10	O3646-04	PQ062338.D	18 Jul 2023 14:04	YP\AJ	Ok,M
11	O3647-01	PQ062339.D	18 Jul 2023 14:19	YP\AJ	Ok
12	O3648-01	PQ062340.D	18 Jul 2023 14:34	YP\AJ	Ok
13	O3652-01	PQ062341.D	18 Jul 2023 14:48	YP\AJ	Ok,M
14	O3652-11	PQ062342.D	18 Jul 2023 15:03	YP\AJ	ReRun
15	O3652-21	PQ062343.D	18 Jul 2023 15:17	YP\AJ	ReRun
16	AR1660CCC500	PQ062344.D	18 Jul 2023 15:47	YP\AJ	Ok
17	AR1254CCC500	PQ062345.D	18 Jul 2023 16:01	YP\AJ	Ok
18	I.BLK	PQ062346.D	18 Jul 2023 16:16	YP\AJ	Ok
19	PB154255BL	PQ062347.D	18 Jul 2023 16:31	YP\AJ	Ok
20	PB154255BS	PQ062348.D	18 Jul 2023 16:45	YP\AJ	Ok
21	O3643-01	PQ062349.D	18 Jul 2023 17:00	YP\AJ	Ok,M
22	O3644-01	PQ062350.D	18 Jul 2023 17:15	YP\AJ	Ok
23	O3645-01	PQ062351.D	18 Jul 2023 17:29	YP\AJ	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM		
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM		
SubDirectory	PQ071823	HP Acquire Method		HP Processing Method	PQ070123
STD. NAME	STD REF.#				
Tune/Reschk					
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246				
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244				
Internal Standard/PEM					
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					
24	O3645-02	PQ062352.D	18 Jul 2023 17:44	YP\AJ	Ok
25	O3645-03	PQ062353.D	18 Jul 2023 17:58	YP\AJ	Ok
26	O3645-04	PQ062354.D	18 Jul 2023 18:13	YP\AJ	Ok,M
27	O3645-05	PQ062355.D	18 Jul 2023 18:28	YP\AJ	Ok
28	O3645-06	PQ062356.D	18 Jul 2023 18:42	YP\AJ	Ok,M
29	O3645-07	PQ062357.D	18 Jul 2023 18:57	YP\AJ	Ok
30	O3645-09MS	PQ062358.D	18 Jul 2023 19:12	YP\AJ	Ok,M
31	O3645-10MSD	PQ062359.D	18 Jul 2023 19:26	YP\AJ	Ok,M
32	O3649-01	PQ062360.D	18 Jul 2023 19:41	YP\AJ	Ok,M
33	O3649-02	PQ062361.D	18 Jul 2023 19:56	YP\AJ	Ok,M
34	O3649-03	PQ062362.D	18 Jul 2023 20:10	YP\AJ	Ok,M
35	O3649-04	PQ062363.D	18 Jul 2023 20:25	YP\AJ	Ok,M
36	O3649-05	PQ062364.D	18 Jul 2023 20:39	YP\AJ	Ok,M
37	O3649-06	PQ062365.D	18 Jul 2023 20:54	YP\AJ	Ok,M
38	AR1660CCC500	PQ062366.D	18 Jul 2023 21:53	YP\AJ	Ok
39	AR1254CCC500	PQ062367.D	18 Jul 2023 22:07	YP\AJ	Ok,M
40	I.BLK	PQ062368.D	18 Jul 2023 22:22	YP\AJ	Ok,M
41	O3651-01	PQ062369.D	18 Jul 2023 22:37	YP\AJ	Ok,M
42	PB154263BL	PQ062370.D	18 Jul 2023 23:06	YP\AJ	Ok,M
43	PB154263BS	PQ062371.D	18 Jul 2023 23:20	YP\AJ	Ok
44	PB154263BSD	PQ062372.D	18 Jul 2023 23:35	YP\AJ	Ok
45	O3637-01	PQ062373.D	18 Jul 2023 23:50	YP\AJ	Ok,M
46	O3645-08	PQ062374.D	19 Jul 2023 00:04	YP\AJ	Ok,M
47	AR1660CCC500	PQ062375.D	19 Jul 2023 01:03	YP\AJ	Ok,M
48	AR1254CCC500	PQ062376.D	19 Jul 2023 01:17	YP\AJ	Ok,M



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

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM		
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM		
SubDirectory	PQ071823	HP Acquire Method	HP Processing Method PQ070123		
STD. NAME	STD REF.#				
Tune/Reschk					
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,P P22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP 22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246				
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244				
Internal Standard/PEM					
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					
49	I.BLK	PQ062377.D	19 Jul 2023 01:32	YP\AJ	Ok,M

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ070123

Review By	yogesh	Review On	7/3/2023 8:19:38 AM				
Supervise By	Ankita	Supervise On	7/5/2023 9:18:48 AM				
SubDirectory	PQ070123	HP Acquire Method	HP Processing Method		PQ070123		
STD. NAME		STD REF.#					
Tune/Reschk		PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard		PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244					
LCS Standard		PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PQ061833.D	01 Jul 2023 02:34		YP\AJ	Ok
2	I.BLK	I.BLK	PQ061834.D	01 Jul 2023 02:49		YP\AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PQ061835.D	01 Jul 2023 03:04		YP\AJ	Ok
4	AR1660ICC750	AR1660ICC750	PQ061836.D	01 Jul 2023 03:18		YP\AJ	Ok
5	AR1660ICC500	AR1660ICC500	PQ061837.D	01 Jul 2023 03:33		YP\AJ	Ok
6	AR1660ICC250	AR1660ICC250	PQ061838.D	01 Jul 2023 03:48		YP\AJ	Ok
7	AR1660ICC050	AR1660ICC050	PQ061839.D	01 Jul 2023 04:02		YP\AJ	Ok,M
8	AR1221ICC500	AR1221ICC500	PQ061840.D	01 Jul 2023 04:17		YP\AJ	Ok
9	AR1232ICC500	AR1232ICC500	PQ061841.D	01 Jul 2023 04:31		YP\AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PQ061842.D	01 Jul 2023 04:46		YP\AJ	Ok
11	AR1242ICC750	AR1242ICC750	PQ061843.D	01 Jul 2023 05:01		YP\AJ	Ok
12	AR1242ICC500	AR1242ICC500	PQ061844.D	01 Jul 2023 05:15		YP\AJ	Ok
13	AR1242ICC250	AR1242ICC250	PQ061845.D	01 Jul 2023 05:30		YP\AJ	Ok
14	AR1242ICC050	AR1242ICC050	PQ061846.D	01 Jul 2023 05:45		YP\AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PQ061847.D	01 Jul 2023 05:59		YP\AJ	Ok
16	AR1248ICC750	AR1248ICC750	PQ061848.D	01 Jul 2023 06:14		YP\AJ	Ok,M
17	AR1248ICC500	AR1248ICC500	PQ061849.D	01 Jul 2023 06:28		YP\AJ	Ok
18	AR1248ICC250	AR1248ICC250	PQ061850.D	01 Jul 2023 06:43		YP\AJ	Ok
19	AR1248ICC050	AR1248ICC050	PQ061851.D	01 Jul 2023 06:58		YP\AJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ070123

Review By	yogesh	Review On	7/3/2023 8:19:38 AM				
Supervise By	Ankita	Supervise On	7/5/2023 9:18:48 AM				
SubDirectory	PQ070123	HP Acquire Method	HP Processing Method		PQ070123		
STD. NAME		STD REF.#					
Tune/Reschk		PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard		PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244					
LCS Standard		PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263					
20	AR1254ICC1000	AR1254ICC1000	PQ061852.D	01 Jul 2023 07:12		YPIAJ	Ok
21	AR1254ICC750	AR1254ICC750	PQ061853.D	01 Jul 2023 07:27		YPIAJ	Ok
22	AR1254ICC500	AR1254ICC500	PQ061854.D	01 Jul 2023 07:42		YPIAJ	Ok
23	AR1254ICC250	AR1254ICC250	PQ061855.D	01 Jul 2023 07:56		YPIAJ	Ok
24	AR1254ICC050	AR1254ICC050	PQ061856.D	01 Jul 2023 08:11		YPIAJ	Ok
25	AR1262ICC500	AR1262ICC500	PQ061857.D	01 Jul 2023 08:25		YPIAJ	Ok
26	AR1268ICC1000	AR1268ICC1000	PQ061858.D	01 Jul 2023 08:40		YPIAJ	Ok
27	AR1268ICC750	AR1268ICC750	PQ061859.D	01 Jul 2023 08:55		YPIAJ	Ok
28	AR1268ICC500	AR1268ICC500	PQ061860.D	01 Jul 2023 09:09		YPIAJ	Ok
29	AR1268ICC250	AR1268ICC250	PQ061861.D	01 Jul 2023 09:24		YPIAJ	Ok
30	AR1268ICC050	AR1268ICC050	PQ061862.D	01 Jul 2023 09:39		YPIAJ	Ok
31	PQ070123ICV500	ICVPQ070123	PQ061863.D	01 Jul 2023 09:53		YPIAJ	Ok
32	AR1242ICV500	ICVPQ070123AR1242	PQ061864.D	01 Jul 2023 10:08		YPIAJ	Ok
33	AR1248ICV500	ICVPQ070123AR1248	PQ061865.D	01 Jul 2023 10:23		YPIAJ	Ok
34	AR1254ICV500	ICVPQ070123AR1254	PQ061866.D	01 Jul 2023 10:37		YPIAJ	Ok
35	AR1268ICV500	ICVPQ070123AR1268	PQ061867.D	01 Jul 2023 10:52		YPIAJ	Ok

M : Manual Integration

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM				
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM				
SubDirectory	PQ071823	HP Acquire Method	HP Processing Method		PQ070123		
STD. NAME		STD REF.#					
Tune/Reschk		PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246					
Initial Calibration Stds							
CCC							
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	PQ062329.D	18 Jul 2023 10:15		YPIAJ	Ok
2	AR1660CCC500	AR1660CCC500	PQ062330.D	18 Jul 2023 10:46		YPIAJ	Ok
3	AR1242CCC500	AR1242CCC500	PQ062331.D	18 Jul 2023 11:01		YPIAJ	Ok
4	AR1248CCC500	AR1248CCC500	PQ062332.D	18 Jul 2023 11:15		YPIAJ	Ok
5	AR1254CCC500	AR1254CCC500	PQ062333.D	18 Jul 2023 11:30		YPIAJ	Ok
6	I.BLK	I.BLK	PQ062334.D	18 Jul 2023 11:44		YPIAJ	Ok,M
7	PB154254BL	PB154254BL	PQ062335.D	18 Jul 2023 13:20		YPIAJ	Ok
8	PB154254BS	PB154254BS	PQ062336.D	18 Jul 2023 13:35		YPIAJ	Ok
9	O3646-01	GATE-1	PQ062337.D	18 Jul 2023 13:50		YPIAJ	Ok,M
10	O3646-04	YARD-1	PQ062338.D	18 Jul 2023 14:04	AR1254 Hit	YPIAJ	Ok,M
11	O3647-01	SAMPLE-1	PQ062339.D	18 Jul 2023 14:19		YPIAJ	Ok
12	O3648-01	OK-01-071723	PQ062340.D	18 Jul 2023 14:34		YPIAJ	Ok
13	O3652-01	TP19	PQ062341.D	18 Jul 2023 14:48		YPIAJ	Ok,M
14	O3652-11	TP18	PQ062342.D	18 Jul 2023 15:03	Both Surrogate failed	YPIAJ	ReRun
15	O3652-21	TP17	PQ062343.D	18 Jul 2023 15:17	TCMX high in both column	YPIAJ	ReRun
16	AR1660CCC500	AR1660CCC500	PQ062344.D	18 Jul 2023 15:47		YPIAJ	Ok
17	AR1254CCC500	AR1254CCC500	PQ062345.D	18 Jul 2023 16:01		YPIAJ	Ok
18	I.BLK	I.BLK	PQ062346.D	18 Jul 2023 16:16		YPIAJ	Ok
19	PB154255BL	PB154255BL	PQ062347.D	18 Jul 2023 16:31		YPIAJ	Ok

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QC Batch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM				
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM				
SubDirectory	PQ071823	HP Acquire Method	HP Processing Method		PQ070123		
STD. NAME		STD REF.#					
Tune/Reschk Initial Calibration Stds		PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246					
CCC		PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244					
Internal Standard/PEM							
ICV/I.BLK		PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							
20	PB154255BS	PB154255BS	PQ062348.D	18 Jul 2023 16:45		YPIAJ	Ok
21	O3643-01	01A-01B-01C	PQ062349.D	18 Jul 2023 17:00	AR1254 + AR1260 Hit	YPIAJ	Ok,M
22	O3644-01	01A-01B-01C	PQ062350.D	18 Jul 2023 17:15		YPIAJ	Ok
23	O3645-01	SB-02-(3-5)	PQ062351.D	18 Jul 2023 17:29		YPIAJ	Ok
24	O3645-02	SB-04-(1-5)	PQ062352.D	18 Jul 2023 17:44		YPIAJ	Ok
25	O3645-03	SB-07-(1-3)	PQ062353.D	18 Jul 2023 17:58		YPIAJ	Ok
26	O3645-04	SB-08-(10.5-2.0)	PQ062354.D	18 Jul 2023 18:13		YPIAJ	Ok,M
27	O3645-05	SB-09-(2.0-4.0)	PQ062355.D	18 Jul 2023 18:28		YPIAJ	Ok
28	O3645-06	SB-10-(0.5-2.0)	PQ062356.D	18 Jul 2023 18:42		YPIAJ	Ok,M
29	O3645-07	DUP	PQ062357.D	18 Jul 2023 18:57		YPIAJ	Ok
30	O3645-09MS	SB-04-(1-5)MS	PQ062358.D	18 Jul 2023 19:12		YPIAJ	Ok,M
31	O3645-10MSD	SB-04-(1-5)MSD	PQ062359.D	18 Jul 2023 19:26		YPIAJ	Ok,M
32	O3649-01	X182-S5	PQ062360.D	18 Jul 2023 19:41		YPIAJ	Ok,M
33	O3649-02	X182-B4	PQ062361.D	18 Jul 2023 19:56		YPIAJ	Ok,M
34	O3649-03	X182-S3	PQ062362.D	18 Jul 2023 20:10	AR1260 hit	YPIAJ	Ok,M
35	O3649-04	X182-B3	PQ062363.D	18 Jul 2023 20:25	AR1260 Hit	YPIAJ	Ok,M
36	O3649-05	X182-B3-DUP	PQ062364.D	18 Jul 2023 20:39	AR1260 Hit	YPIAJ	Ok,M
37	O3649-06	X182-S4	PQ062365.D	18 Jul 2023 20:54	AR1260 Hit	YPIAJ	Ok,M
38	AR1660CCC500	AR1660CCC500	PQ062366.D	18 Jul 2023 21:53		YPIAJ	Ok
39	AR1254CCC500	AR1254CCC500	PQ062367.D	18 Jul 2023 22:07		YPIAJ	Ok,M

Instrument ID: ECD_Q

Daily Analysis Runlog For Sequence/QCBatch ID # PQ071823

Review By	yogesh	Review On	7/19/2023 8:46:34 AM
Supervise By	Ankita	Supervise On	7/19/2023 9:39:14 AM
SubDirectory	PQ071823	HP Acquire Method	HP Processing Method PQ070123

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246
CCC	PP22209,PP22214,PP22219,PP22224,PP22229,PP22234,PP22239,PP22244
Internal Standard/PEM	
ICV/I.BLK	PP22249,PP22251,PP22253,PP22255,PP22257,PP22259,PP22261,PP22263
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

40	I.BLK	I.BLK	PQ062368.D	18 Jul 2023 22:22		YPIAJ	Ok,M
41	O3651-01	NWB-1925	PQ062369.D	18 Jul 2023 22:37	DCB high in second column	YPIAJ	Ok,M
42	PB154263BL	PB154263BL	PQ062370.D	18 Jul 2023 23:06		YPIAJ	Ok,M
43	PB154263BS	PB154263BS	PQ062371.D	18 Jul 2023 23:20		YPIAJ	Ok
44	PB154263BSD	PB154263BSD	PQ062372.D	18 Jul 2023 23:35		YPIAJ	Ok
45	O3637-01	A508	PQ062373.D	18 Jul 2023 23:50		YPIAJ	Ok,M
46	O3645-08	RINSATE-BLANK	PQ062374.D	19 Jul 2023 00:04		YPIAJ	Ok,M
47	AR1660CCC500	AR1660CCC500	PQ062375.D	19 Jul 2023 01:03		YPIAJ	Ok,M
48	AR1254CCC500	AR1254CCC500	PQ062376.D	19 Jul 2023 01:17		YPIAJ	Ok,M
49	I.BLK	I.BLK	PQ062377.D	19 Jul 2023 01:32		YPIAJ	Ok,M

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona

Analyst: JIGNESH

Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107

Time IN: 17:15

In Date: 07/17/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 08:11

Out Date: 07/18/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

BalanceID: M SC-4

Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3638-01	TP1	1	1.15	8.81	9.96	9.14	90.7	
O3638-03	TP1-A	2	1.15	8.60	9.75	8.52	85.7	
O3638-04	TP1-B	3	1.13	8.60	9.73	8.88	90.1	
O3638-05	TP1-C	4	1.13	8.58	9.71	8.74	88.7	
O3638-06	TP1-D	5	1.12	8.51	9.63	8.58	87.7	
O3638-07	TP1-E	6	1.13	8.72	9.85	9.05	90.8	
O3638-08	TP1-F	7	1.16	8.47	9.63	8.47	86.3	
O3638-09	TP1-G	8	1.14	8.79	9.93	9.16	91.2	
O3638-10	TP1-H	9	1.12	8.44	9.56	8.55	88.0	
O3638-11	TP2	10	1.12	8.65	9.77	8.52	85.5	
O3638-13	TP2-A	11	1.15	8.81	9.96	8.99	89.0	
O3638-14	TP2-B	12	1.13	8.45	9.58	8.38	85.8	
O3638-15	TP2-C	13	1.12	8.66	9.78	8.55	85.8	
O3638-16	TP2-D	14	1.18	8.50	9.68	8.68	88.2	
O3638-17	TP2-E	15	1.18	8.54	9.72	8.52	85.9	
O3638-18	TP2-F	16	1.19	8.66	9.85	8.61	85.7	
O3638-19	TP2-G	17	1.15	8.80	9.95	8.69	85.7	
O3638-20	TP2-H	18	1.12	8.41	9.53	8.24	84.7	
O3638-21	TP6	19	1.14	8.82	9.96	9.31	92.6	
O3638-23	TP6-A	20	1.16	8.80	9.96	9.29	92.4	
O3638-24	TP6-B	21	1.11	8.55	9.66	8.72	89.0	
O3638-25	TP6-C	22	1.19	8.63	9.82	9.14	92.1	
O3638-26	TP6-D	23	1.12	8.71	9.83	8.84	88.6	
O3638-27	TP6-E	24	1.14	8.42	9.56	8.86	91.7	
O3638-28	TP6-F	25	1.11	8.86	9.97	9.24	91.8	
O3638-29	TP6-G	26	1.12	8.58	9.7	8.67	88.0	
O3638-30	TP6-H	27	1.14	8.84	9.98	9.22	91.4	
O3638-31	TP7	28	1.18	8.72	9.9	8.96	89.2	



PERCENT SOLID

Supervisor: Iwona

Analyst: JIGNESH

Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107

Time IN: 17:15

In Date: 07/17/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 08:11

Out Date: 07/18/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

BalanceID: M SC-4

Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3638-33	TP7-A	29	1.12	8.61	9.73	8.68	87.8	
O3638-34	TP7-B	30	1.11	8.52	9.63	8.6	87.9	
O3638-35	TP7-C	31	1.18	8.81	9.99	9.37	93.0	
O3638-36	TP7-D	32	1.11	8.86	9.97	8.76	86.3	
O3638-37	TP7-E	33	1.19	8.57	9.76	8.73	88.0	
O3638-38	TP7-F	34	1.19	8.52	9.71	8.72	88.4	
O3638-39	TP7-G	35	1.13	8.59	9.72	8.71	88.2	
O3638-40	TP7-H	36	1.15	8.83	9.98	9.14	90.5	
O3639-01	TP3	37	1.12	8.70	9.82	8.57	85.6	
O3639-03	TP3-A	38	1.12	8.68	9.8	8.48	84.8	
O3639-04	TP3-B	39	1.13	8.85	9.98	9.06	89.6	
O3639-05	TP3-C	40	1.18	8.72	9.9	8.53	84.3	
O3639-06	TP3-D	41	1.13	8.55	9.68	8.66	88.1	
O3639-07	TP3-E	42	1.19	8.41	9.6	8.48	86.7	
O3639-08	TP3-F	43	1.19	8.63	9.82	8.7	87.0	
O3639-09	TP3-G	44	1.18	8.68	9.86	8.74	87.1	
O3639-10	TP3-H	45	1.11	8.50	9.61	8.65	88.7	
O3639-11	TP4	46	1.19	8.53	9.72	8.67	87.7	
O3639-13	TP4-A	47	1.15	8.51	9.66	8.36	84.7	
O3639-14	TP4-B	48	1.14	8.55	9.69	8.6	87.3	
O3639-15	TP4-C	49	1.12	8.68	9.8	8.6	86.2	
O3639-16	TP4-D	50	1.19	8.72	9.91	8.81	87.4	
O3639-17	TP4-E	51	1.15	8.54	9.69	8.64	87.7	
O3639-18	TP4-F	52	1.12	8.65	9.77	8.72	87.9	
O3639-19	TP4-G	53	1.14	8.83	9.97	8.86	87.4	
O3639-20	TP4-H	54	1.12	8.85	9.97	8.65	85.1	
O3639-21	TP5	55	1.12	8.46	9.58	8.77	90.4	
O3639-23	TP5-A	56	1.14	8.81	9.95	9.28	92.4	



PERCENT SOLID

Supervisor: Iwona

Analyst: JIGNESH

Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107

Time IN: 17:15

In Date: 07/17/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 08:11

Out Date: 07/18/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

BalanceID: M SC-4

Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3639-24	TP5-B	57	1.17	8.60	9.77	8.97	90.7	
O3639-25	TP5-C	58	1.15	8.81	9.96	9.21	91.5	
O3639-26	TP5-D	59	1.15	8.38	9.53	8.79	91.2	
O3639-27	TP5-E	60	1.19	8.43	9.62	8.91	91.6	
O3639-28	TP5-F	61	1.19	8.55	9.74	9.00	91.3	
O3639-29	TP5-G	62	1.18	8.60	9.78	8.91	89.9	
O3639-30	TP5-H	63	1.12	8.47	9.59	8.7	89.5	
O3639-31	TP10	64	1.12	8.77	9.89	8.64	85.7	
O3639-33	TP10-A	65	1.15	8.60	9.75	8.63	87.0	
O3639-34	TP10-B	66	1.15	8.59	9.74	8.65	87.3	
O3639-35	TP10-C	67	1.17	8.60	9.77	8.63	86.7	
O3639-36	TP10-D	68	1.16	8.83	9.99	9.47	94.1	
O3639-37	TP10-E	69	1.19	8.57	9.76	8.63	86.8	
O3639-38	TP10-F	70	1.16	8.82	9.98	9.5	94.6	
O3639-39	TP10-G	71	1.16	8.77	9.93	8.78	86.9	
O3639-40	TP10-H	72	1.15	8.81	9.96	9.14	90.7	
O3640-01	TP9	73	1.12	8.47	9.59	8.72	89.7	
O3640-03	TP9-A	74	1.17	8.53	9.7	8.77	89.1	
O3640-04	TP9-B	75	1.15	8.82	9.97	9.34	92.9	
O3640-05	TP9-C	76	1.12	8.56	9.68	8.83	90.1	
O3640-06	TP9-D	77	1.11	8.69	9.8	8.88	89.4	
O3640-07	TP9-E	78	1.13	8.69	9.82	8.92	89.6	
O3640-08	TP9-F	79	1.16	8.83	9.99	9.41	93.4	
O3640-09	TP9-G	80	1.19	8.59	9.78	8.94	90.2	
O3640-10	TP9-H	81	1.19	8.60	9.79	8.93	90.0	
O3640-11	TP8	82	1.12	8.80	9.92	8.91	88.5	
O3640-13	TP8-A	83	1.11	8.88	9.99	9.55	95.0	
O3640-14	TP8-B	84	1.19	8.72	9.91	8.81	87.4	



PERCENT SOLID

Supervisor: Iwona

Analyst: JIGNESH

Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107

Time IN: 17:15

In Date: 07/17/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 08:11

Out Date: 07/18/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

BalanceID: M SC-4

Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3640-15	TP8-C	85	1.14	8.84	9.98	9.56	95.2	
O3640-16	TP8-D	86	1.19	8.70	9.89	8.79	87.4	
O3640-17	TP8-E	87	1.15	8.84	9.99	9.03	89.1	
O3640-18	TP8-F	88	1.12	8.45	9.57	8.58	88.3	
O3640-19	TP8-G	89	1.19	8.63	9.82	8.89	89.2	
O3640-20	TP8-H	90	1.14	8.53	9.67	8.59	87.3	
O3640-21	TP12	91	1.11	8.87	9.98	8.81	86.8	
O3640-23	TP12-A	92	1.16	8.60	9.76	8.56	86.0	
O3640-24	TP12-B	93	1.19	8.63	9.82	8.84	88.6	
O3640-25	TP12-C	94	1.17	8.52	9.69	8.66	87.9	
O3640-26	TP12-D	95	1.14	8.66	9.8	8.76	88.0	
O3640-27	TP12-E	96	1.16	8.48	9.64	8.65	88.3	
O3640-28	TP12-F	97	1.16	8.77	9.93	8.82	87.3	
O3640-29	TP12-G	98	1.12	8.45	9.57	8.41	86.3	
O3640-30	TP12-H	99	1.18	8.57	9.75	8.72	88.0	
O3640-31	TP11	100	1.12	8.62	9.74	8.7	87.9	
O3640-33	TP11-A	101	1.12	8.87	9.99	9.54	94.9	
O3640-34	TP11-B	102	1.14	8.83	9.97	8.7	85.6	
O3640-35	TP11-C	103	1.12	8.61	9.73	8.48	85.5	
O3640-36	TP11-D	104	1.15	8.79	9.94	9.1	90.4	
O3640-37	TP11-E	105	1.15	8.40	9.55	8.7	89.9	
O3640-38	TP11-F	106	1.15	8.82	9.97	8.96	88.5	
O3640-39	TP11-G	107	1.15	8.84	9.99	9.31	92.3	
O3640-40	TP11-H	108	1.17	8.59	9.76	8.82	89.1	
O3641-01	TP13	109	1.14	8.83	9.97	8.4	82.2	
O3641-03	TP13-A	110	1.19	8.47	9.66	8.34	84.4	
O3641-04	TP13-B	111	1.1	8.68	9.78	8.33	83.3	
O3641-05	TP13-C	112	1.13	8.37	9.5	8.15	83.9	



PERCENT SOLID

Supervisor: Iwona

Analyst: JIGNESH

Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107

Time IN: 17:15

In Date: 07/17/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103

Time OUT: 08:11

Out Date: 07/18/2023

Weight Check 1.0g: 1.00

Weight Check 10g: 10.00

BalanceID: M SC-4

Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3641-06	TP13-D	113	1.17	8.58	9.75	8.28	82.9	
O3641-07	TP13-E	114	1.13	8.69	9.82	8.42	83.9	
O3641-08	TP13-F	115	1.19	8.47	9.66	8.02	80.6	
O3641-09	TP13-G	116	1.14	8.37	9.51	8.16	83.9	
O3641-10	TP13-H	117	1.12	8.63	9.75	8.4	84.4	
O3641-11	TP14	118	1.18	8.52	9.7	8.4	84.7	
O3641-13	TP14-A	119	1.12	8.72	9.84	8.67	86.6	
O3641-14	TP14-B	120	1.14	8.80	9.94	8.62	85.0	
O3641-15	TP14-C	121	1.16	8.41	9.57	8.31	85.0	
O3641-16	TP14-D	122	1.17	8.58	9.75	8.5	85.4	
O3641-17	TP14-E	123	1.17	8.45	9.62	8.33	84.7	
O3641-18	TP14-F	124	1.15	8.82	9.97	9.09	90.0	
O3641-19	TP14-G	125	1.18	8.54	9.72	8.54	86.2	
O3641-20	TP14-H	126	1.18	8.66	9.84	8.24	81.5	
O3641-21	TP16	127	1.18	8.54	9.72	8.6	86.9	
O3641-23	TP16-A	128	1.16	8.74	9.9	8.78	87.2	
O3641-24	TP16-B	129	1.19	8.55	9.74	7.9	78.5	
O3641-25	TP16-C	130	1.17	8.77	9.94	8.75	86.4	
O3641-26	TP16-D	131	1.19	8.53	9.72	8.53	86.0	
O3641-27	TP16-E	132	1.15	8.80	9.95	8.28	81.0	
O3641-28	TP16-F	133	1.19	8.50	9.69	7.71	76.7	
O3641-29	TP16-G	134	1.19	8.47	9.66	7.4	73.3	
O3641-30	TP16-H	135	1.15	8.37	9.52	7.47	75.5	
O3641-31	TP15	136	1.12	8.71	9.83	8.37	83.2	
O3641-33	TP15-A	137	1.12	8.46	9.58	7.86	79.7	
O3641-34	TP15-B	138	1.15	8.38	9.53	7.93	80.9	
O3641-35	TP15-C	139	1.17	8.50	9.67	8.06	81.1	
O3641-36	TP15-D	140	1.16	8.68	9.84	8.8	88.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/17/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 07/18/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3641-37	TP15-E	141	1.16	8.78	9.94	8.57	84.4	
O3641-38	TP15-F	142	1.15	8.84	9.99	8.4	82.0	
O3641-39	TP15-G	143	1.18	8.57	9.75	7.99	79.5	
O3641-40	TP15-H	144	1.15	8.80	9.95	8.32	81.5	
O3643-01	01A-01B-01C	145	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O3644-01	01A-01B-01C	146	1.00	1.00	2.00	2.00	100.0	CAULKING SAMPLE
O3645-01	SB-02- (3-5)	147	1.15	8.81	9.96	8.75	86.3	
O3645-02	SB-04- (1-5)	148	1.15	8.36	9.51	8.78	91.3	
O3645-03	SB-07- (1-3)	149	1.13	8.75	9.88	8.09	79.5	
O3645-04	SB-08- (10.5-2.0)	150	1.13	8.40	9.53	7.4	74.6	
O3645-05	SB-09- (2.0-4.0)	151	1.19	8.71	9.9	8.11	79.4	
O3645-06	SB-10- (0.5-2.0)	152	1.19	8.43	9.62	8.21	83.3	
O3645-07	DUP	153	1.18	8.81	9.99	8.3	80.8	
O3645-09	O3645-02MS	154	1.15	8.36	9.51	8.78	91.3	
O3645-10	O3645-02MSD	155	1.15	8.36	9.51	8.78	91.3	
O3646-01	GATE-1	164	1.14	8.85	9.99	8.52	83.4	
O3646-03	GATE-1-EPH-2	165	1.12	8.85	9.97	8.53	83.7	
O3646-04	YARD-1	166	1.18	8.45	9.63	8.8	90.2	
O3646-06	YARD-1-EPH-2	167	1.1	8.79	9.89	8.36	82.6	
O3647-01	SAMPLE-1	156	1.16	8.50	9.66	8.89	90.9	
O3648-01	OK-01-071723	168	1.13	8.45	9.58	7.93	80.5	
O3648-02	OK-01-071723-EPH-2	169	1.13	8.45	9.58	7.93	80.5	
O3649-01	X182-S5	157	1.15	8.50	9.65	8.14	82.2	
O3649-02	X182-B4	158	1.15	8.81	9.96	8.58	84.3	
O3649-03	X182-S3	159	1.12	8.72	9.84	8.9	89.2	
O3649-04	X182-B3	160	1.13	8.53	9.66	8.51	86.5	
O3649-05	X182-B3-DUP	161	1.19	8.71	9.9	8.85	87.9	
O3649-06	X182-S4	162	1.16	8.83	9.99	9.39	93.2	



PERCENT SOLID

Supervisor: Iwona
Analyst: JIGNESH
Date: 7/18/2023

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 07/17/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN-1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 07/18/2023
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: %SOLIDS-OVEN

QC:LB126475

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
O3650-01	NWB-1933	163	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
O3654-01	72-12016	170	1.19	8.57	9.76	8.96	90.7	
O3654-03	72-12016-EPH-2	171	1.18	8.54	9.72	9.15	93.3	

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

WORKLIST(Hardcopy Internal Chain)

13126475

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3638-01	TP1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-03	TP1-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-04	TP1-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-05	TP1-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-06	TP1-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-07	TP1-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-08	TP1-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-09	TP1-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-10	TP1-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-11	TP2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-13	TP2-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-14	TP2-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-15	TP2-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-16	TP2-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-17	TP2-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-18	TP2-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-19	TP2-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-20	TP2-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-21	TP6	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-23	TP6-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-24	TP6-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time 07-17-23 15:00

Raw Sample Received by: 30 (000)

Raw Sample Relinquished by: Dr (Cm)

Date/Time 07-16-23 20

Raw Sample Received by: Z-E sm

Raw Sample Relinquished by: 30 (000)

WORKLIST(Hardcopy Internal Chain)

MS 126475

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3638-25	TP6-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-26	TP6-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-27	TP6-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-28	TP6-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-29	TP6-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-30	TP6-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-31	TP7	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-33	TP7-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-34	TP7-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-35	TP7-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-36	TP7-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-37	TP7-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-38	TP7-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-39	TP7-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3638-40	TP7-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-01	TP3	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-03	TP3-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-04	TP3-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-05	TP3-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-06	TP3-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-07	TP3-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time 07-17-23 13:00
 Raw Sample Received by: J.D. Coker
 Raw Sample Relinquished by: J.D. Coker

Date/Time 07-17-23 17:20
 Raw Sample Received by: J.D. Coker
 Raw Sample Relinquished by: J.D. Coker

WORKLIST(Hardcopy Internal Chain)

126475

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3639-08	TP3-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-09	TP3-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-10	TP3-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-11	TP4	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-13	TP4-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-14	TP4-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-15	TP4-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-16	TP4-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-17	TP4-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-18	TP4-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-19	TP4-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-20	TP4-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-21	TP5	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-23	TP5-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-24	TP5-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-25	TP5-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-26	TP5-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-27	TP5-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-28	TP5-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-29	TP5-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-30	TP5-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time 07/17/23 15:00
 Raw Sample Received by: J.P. 19009
 Raw Sample Relinquished by: J.C. 5001
 Date/Time 07/16/23 17:20
 Raw Sample Received by: J.C. 5001
 Raw Sample Relinquished by: J.C. 5001

WORKLIST(Hardcopy Internal Chain)

W526475

WorkList Name : %1-071723

WorkList ID : 171905

Department: Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3639-31	TP10	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-33	TP10-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-34	TP10-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-35	TP10-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-36	TP10-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-37	TP10-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-38	TP10-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-39	TP10-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3639-40	TP10-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-01	TP9	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-03	TP9-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-04	TP9-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-05	TP9-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-06	TP9-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-07	TP9-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-08	TP9-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-09	TP9-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-10	TP9-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-11	TP8	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-13	TP8-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-14	TP8-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time 07-16-23 07:17:23 15100

Raw Sample Received by: JLC (son)

Raw Sample Relinquished by: JLC (son)

Date/Time

Raw Sample Received by: JLC (son)

Raw Sample Relinquished by: JLC (son)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3640-15	TP8-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-16	TP8-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-17	TP8-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-18	TP8-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-19	TP8-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-20	TP8-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-21	TP12	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-23	TP12-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-24	TP12-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-25	TP12-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-26	TP12-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-27	TP12-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-28	TP12-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-29	TP12-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-30	TP12-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-31	TP11	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-33	TP11-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-34	TP11-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-35	TP11-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-36	TP11-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-37	TP11-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

126475

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3640-38	TP11-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-39	TP11-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3640-40	TP11-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-01	TP13	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-03	TP13-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-04	TP13-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-05	TP13-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-06	TP13-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-07	TP13-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-08	TP13-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-09	TP13-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-10	TP13-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-11	TP14	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-13	TP14-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-14	TP14-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-15	TP14-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-16	TP14-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-17	TP14-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-18	TP14-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-19	TP14-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-20	TP14-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO

Date/Time 07-16-23 15:00
 Raw Sample Received by: JO 1901
 Raw Sample Relinquished by: 2.0001
 Date/Time 07-16-23
 Raw Sample Received by: 1720
 Raw Sample Relinquished by: 2.0001

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3641-21	TP16	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-23	TP16-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-24	TP16-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-25	TP16-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-26	TP16-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-27	TP16-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-28	TP16-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-29	TP16-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-30	TP16-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-31	TP15	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-33	TP15-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-34	TP15-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-35	TP15-C	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-36	TP15-D	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-37	TP15-E	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-38	TP15-F	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-39	TP15-G	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3641-40	TP15-H	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/14/2023	Chemtech -SO
O3643-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	I11	07/17/2023	Chemtech -SO
O3644-01	01A-01B-01C	Solid	Percent Solids	Cool 4 deg C	BSIG01	I11	07/17/2023	Chemtech -SO
O3645-01	SB-02-(3-5)	Solid	Percent Solids	Cool 4 deg C	LABEL01	I11	07/12/2023	Chemtech -SO

Date/Time 07/17/23 15:00
 Raw Sample Received by: J.P. (QC)
 Raw Sample Relinquished by: J.P. (QC)

Date/Time 07/17/23 17:10
 Raw Sample Received by: J.C. Sm.
 Raw Sample Relinquished by: J.P. (QC)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3645-02	SB-04-(1-5)	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/12/2023	Chemtech -SO
O3645-03	SB-07-(1-3)	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/13/2023	Chemtech -SO
O3645-04	SB-08-(10.5-2.0)	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/13/2023	Chemtech -SO
O3645-05	SB-09-(2.0-4.0)	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/13/2023	Chemtech -SO
O3645-06	SB-10-(0.5-2.0)	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/13/2023	Chemtech -SO
O3645-07	DUP	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/12/2023	Chemtech -SO
O3645-09	O3645-02MS	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/12/2023	Chemtech -SO
O3645-10	O3645-02MSD	Solid	Percent Solids	Cool 4 deg C	LABE01	I11	07/12/2023	Chemtech -SO
O3646-01	GATE-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3646-03	GATE-1-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3646-04	YARD-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3646-06	YARD-1-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3647-01	SAMPLE-1	Solid	Percent Solids	Cool 4 deg C	PREM01	I11	07/13/2023	Chemtech -SO
O3648-01	OK-01-071723	Solid	Percent Solids	Cool 4 deg C	PSEG05	I11	07/17/2023	Chemtech -SO
O3648-02	OK-01-071723-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I11	07/17/2023	Chemtech -SO
O3649-01	X182-S5	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO
O3649-02	X182-B4	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO
O3649-03	X182-S3	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO
O3649-04	X182-B3	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO
O3649-05	X182-B3-DUP	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO
O3649-06	X182-S4	Solid	Percent Solids	Cool 4 deg C	ATCE02	I11	07/17/2023	Chemtech -SO

Date/Time 07/16/23 15:00

Raw Sample Received by: J.C. (sm)

Raw Sample Relinquished by: J.C. (sm)

Date/Time 07/16/23 17:20

Raw Sample Received by: J.C. (sm)

Raw Sample Relinquished by: J.C. (sm)

WORKLIST(Hardcopy Internal Chain)

126475

WorkList Name : %1-071723

WorkList ID : 171905

Department : Wet-Chemistry

Date : 07-16-2023 06:33:35

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3650-01	NWB-1933	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3654-01	72-12016	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO
O3654-03	72-12016-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I11	07/17/2023	Chemtech -SO

07-17-23 30

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

15100

20100

20100

07-17-23 30

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

07-16-23

20100

20100

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup

Extraction Start Date : 07/18/2023

Matrix : Solid

Extraction Start Time : 09:10

Weigh By: RJ

Extraction By: RJ

Extraction End Date : 07/18/2023

Balance check: RJ

Filter By: RJ

Extraction End Time : 12:15

Balance ID: EX-SC-2

pH Meter ID: N/A

Concentration By: RS

pH Strip Lot#: N/A

Hood ID: 3,7

Supervisor By : rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP22064
Surrogate	1.0ML	200 PPB	PP22138
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2350
Baked Na2SO4	N/A	EP261
Sand	N/A	E2865
Hexane	N/A	E3536
H2SO4 1:1	N/A	EP2316
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A

Envap ID: NE VAP-02

KD Bath Temperature: N/A

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/18/23	RJ (EPA Lab)	AS/PT/MA Lab
12:20	Preparation Group	Analysis Group



EXTRACTION LOGPAGE

PrepBatch ID : PB154254

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 07/18/2023

Sample ID	Client Sample ID	Test	g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB154254BL	ABLK254	PCB Group1	30.02	N/A	ritesh	RUPESH	10			U4-1
PB154254BS	ALCS254	PCB Group1	30.00	N/A	ritesh	RUPESH	10			2
O3645-01	SB-02-(3-5)	PCB Group1	30.05	N/A	ritesh	RUPESH	10	E		3
O3645-02	SB-04-(1-5)	PCB Group1	30.02	N/A	ritesh	RUPESH	10	E		4
O3645-03	SB-07-(1-3)	PCB Group1	30.09	N/A	ritesh	RUPESH	10	E		5
O3645-04	SB-08-(10.5-2.0)	PCB Group1	30.01	N/A	ritesh	RUPESH	10	E		6
O3645-05	SB-09-(2.0-4.0)	PCB Group1	30.06	N/A	ritesh	RUPESH	10	E		U5-1
O3645-06	SB-10-(0.5-2.0)	PCB Group1	30.08	N/A	ritesh	RUPESH	10	E		2
O3645-07	DUP	PCB Group1	30.05	N/A	ritesh	RUPESH	10	E		3
O3645-09	O3645-02MS	PCB Group1	30.06	N/A	ritesh	RUPESH	10	E		4
O3645-10	O3645-02MSD	PCB Group1	30.08	N/A	ritesh	RUPESH	10	E		5
O3646-01	GATE-1	PCB	30.04	N/A	ritesh	RUPESH	10	F		6
O3646-04	YARD-1	PCB	30.07	N/A	ritesh	RUPESH	10	F		U6-1
O3647-01	SAMPLE-1	PCB	30.10	N/A	ritesh	RUPESH	10	E		2
O3648-01	OK-01-071723	PCB	30.01	N/A	ritesh	RUPESH	10	E		3
O3649-01	X182-S5	PCB Group1	30.04	N/A	ritesh	RUPESH	10	E		4
O3649-02	X182-B4	PCB Group1	30.08	N/A	ritesh	RUPESH	10	E		5
O3649-03	X182-S3	PCB Group1	30.05	N/A	ritesh	RUPESH	10	E		6
O3649-04	X182-B3	PCB Group1	30.02	N/A	ritesh	RUPESH	10	E		U7-1
O3649-05	X182-B3-DUP	PCB Group1	30.06	N/A	ritesh	RUPESH	10	E		2
O3649-06	X182-S4	PCB Group1	30.09	N/A	ritesh	RUPESH	10	E		3
O3652-01	TP19	PCB	30.03	N/A	ritesh	RUPESH	10	E		4
O3652-11	TP18	PCB	30.07	N/A	ritesh	RUPESH	10	E		5
O3652-21	TP17	PCB	30.04	N/A	ritesh	RUPESH	10	E		6

* Extracts relinquished on the same date as received.

R
7/18/23

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 03649 WorkList ID : 171955 Department : Extraction Date : 07-18-2023 08:37:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3645-01	SB-02-(3-5)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/12/2023	8082A
O3645-02	SB-04-(1-5)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/12/2023	8082A
O3645-03	SB-07-(1-3)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/13/2023	8082A
O3645-04	SB-08-(10.5-2.0)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/13/2023	8082A
O3645-05	SB-09-(2.0-4.0)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/13/2023	8082A
O3645-06	SB-10-(0.5-2.0)	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/13/2023	8082A
O3645-07	DUP	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/12/2023	8082A
O3645-09	O3645-02MS	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/12/2023	8082A
O3645-10	O3645-02MSD	Solid	PCB Group1	Cool 4 deg C	LABE01	I11	07/12/2023	8082A
O3646-01	GATE-1	Solid	PCB	Cool 4 deg C	PSEG03	I11	07/17/2023	8082A
O3646-04	YARD-1	Solid	PCB	Cool 4 deg C	PSEG03	I11	07/17/2023	8082A
O3647-01	SAMPLE-1	Solid	PCB	Cool 4 deg C	PREM01	I11	07/13/2023	8082A
O3648-01	OK-01-071723	Solid	PCB	Cool 4 deg C	PSEG05	I11	07/17/2023	8082A
O3649-01	X182-S5	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3649-02	X182-B4	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3649-03	X182-S3	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3649-04	X182-B3	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3649-05	X182-B3-DUP	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3649-06	X182-S4	Solid	PCB Group1	Cool 4 deg C	ATCE02	I11	07/17/2023	8082A
O3652-01	TP19	Solid	PCB	Cool 4 deg C	PSEG03	I11	07/17/2023	8082A
O3652-11	TP18	Solid	PCB	Cool 4 deg C	PSEG03	I11	07/17/2023	8082A

Date/Time 07/18/23 9:05
Raw Sample Received by: RJ (Ext. Lab)
Raw Sample Relinquished by: [Signature]

Date/Time 07/18/23 9:30
Raw Sample Received by: [Signature]
Raw Sample Relinquished by: RJ (Ext. Lab)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 03649 WorkList ID : 171955 Department : Extraction Date : 07-18-2023 08:37:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3652-21	TP17	Solid	PCB	Cool 4 deg C	PSEG03	I11	07/17/2023	8082A

Date/Time 07/18/23 9:25
 Raw Sample Received by: RT (SM)
 Raw Sample Relinquished by: RT (SM)

Date/Time 07/19/23 9:30
 Raw Sample Received by: RT (SM)
 Raw Sample Relinquished by: RT (SM)



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

Prep Standard - Chemical Standard Summary

Order ID : O3649

Test : PCB Group1

Prepbatch ID : PB154254,

Sequence ID/Qc Batch ID: PQ071823,

Standard ID :

EP2316,EP2350,EP261,PP22064,PP22138,PP22206,PP22207,PP22208,PP22209,PP22210,PP22211,PP22212,PP22213,PP22214,PP22215,PP22216,PP22217,PP22218,PP22219,PP22220,PP22221,PP22222,PP22223,PP22224,PP22225,PP22226,PP22227,PP22228,PP22229,PP22230,PP22231,PP22232,PP22233,PP22234,PP22235,PP22236,PP22237,PP22238,PP22239,PP22240,PP22241,PP22242,PP22243,PP22244,PP22245,PP22246,PP22247,PP22248,PP22249,PP22250,PP22251,PP22252,PP22253,PP22254,PP22255,PP22256,PP22257,PP22258,PP22259,PP22260,PP22261,PP22262,PP22263,

Chemical ID :

E2865,E3465,E3519,E3520,E3534,E3536,M5211,P10102,P10155,P10480,P10495,P10497,P10792,P11049,P11054,P11373,P11494,P11504,P11509,P11516,P11518,P11578,P11584,P11594,P11739,P12202,

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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	EP2316	03/29/2023	09/29/2023	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 03/29/2023

FROM 1000.00000ml of M5211 = 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>
230	1:1ACETONE/HEXANE	EP2350	06/17/2023	12/16/2023	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 06/17/2023

FROM 8000.00000ml of E3519 + 8000.00000ml of E3520 = Final Quantity: 8000.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3857	5000 PPB PCB SPIKE SOLUTION 2ND SOURCE	PP22064	05/26/2023	11/10/2023	Abdul Mirza	None	None	Ankita Jodhani
05/26/2023								

FROM 0.50000ml of P11373 + 99.50000ml of E3465 = 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>
465	200 PPB Pest/PCB Surrogate Spike	PP22138	06/20/2023	12/16/2023	Ankita Jodhani	None	None	Yogesh Patel
06/20/2023								

FROM 1.00000ml of P10792 + 999.00000ml of E3519 = Final Quantity: 1000.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
84	Pest/PCB Surrogate Stock 20 PPM	PP22206	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P11739 + 9.00000ml of E3520 = 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>
202	AR1660 1000/100 ppb working solution 1st source	PP22207	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P10480 + 99.40000ml of E3520 + 0.50000ml of PP22206 = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
203	AR1660 750 PPB STD	PP22208	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22207 = 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>
204	AR1660 500 PPB STD	PP22209	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22207 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
205	AR1660 250 PPB STD	PP22210	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22207 = 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>
206	AR1660 50 PPB STD	PP22211	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22209 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
213	AR1221 1000 PPB WORKING SOLUTION	PP22212	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P11578 + 99.40000ml of E3520 + 0.50000ml of PP22206 = 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>
1079	AR1221 750 PPB STD	PP22213	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22212 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
222	AR1221 500 PPB STD	PP22214	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22212 = 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>
1080	AR1221 250 PPB STD	PP22215	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22212 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1081	AR1221 50 PPB STD	PP22216	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22214 = 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>
214	AR1232 1000 PPB WORKING SOLUTION	PP22217	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P11584 + 99.40000ml of E3520 + 0.50000ml of PP22206 = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1063	AR1232 750 PPB STD	PP22218	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22217 = 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>
223	AR1232 500 PPB STD	PP22219	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22217 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1064	AR1232 250 PPB STD	PP22220	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22217 = 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>
1065	AR1232 50 PPB STD	PP22221	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22219 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
215	AR1242 1000 PPB WORKING STD	PP22222	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.10000ml of P11049 + 99.40000ml of E3520 + 0.50000ml of PP22206 = 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>
1067	AR1242 750 PPB STD	PP22223	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.25000ml of E3520 + 0.75000ml of PP22222 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
224	AR1242 500 PPB STD	PP22224	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22222 = 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>
1068	AR1242 250 PPB STD	PP22225	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22222 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1069	AR1242 50 PPB STD	PP22226	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22224 = 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>
216	AR1248 1000 PPB WORKING STD	PP22227	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P11054 + 99.40000ml of E3520 + 0.50000ml of PP22206 = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1075	AR1248 750 PPB STD	PP22228	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22227 = 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>
225	AR1248 500 PPB STD	PP22229	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22227 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1076	AR1248 250 PPB STD	PP22230	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22227 = 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>
1077	AR1248 50 PPB STD	PP22231	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22229 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
217	AR1254 1000 PPB WORKING STD	PP22232	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.10000ml of P10495 + 99.40000ml of E3520 + 0.50000ml of PP22206 = 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>
1071	AR1254 750 PPB STD	PP22233	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.25000ml of E3520 + 0.75000ml of PP22232 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
226	AR1254 500 PPB STD	PP22234	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22232 = 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>
1072	AR1254 250 PPB STD	PP22235	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22232 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1073	AR1254 50 PPB STD	PP22236	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22234 = 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>
1529	AR1262 1000 PPB Working Solution	PP22237	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P10497 + 99.40000ml of E3520 + 0.50000ml of PP22206 = Final Quantity: 100.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3753	AR1262 750 PPB STD	PP22238	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22237 = 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>
1530	AR1262 500 PPB STD	PP22239	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22237 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3754	AR1262 250 PPB STD	PP22240	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22237 = 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>
3755	AR1262 50 PPB STD	PP22241	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22239 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1532	AR1268 1000 PPB Working Solution	PP22242	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.10000ml of P11594 + 99.40000ml of E3520 + 0.50000ml of PP22206 = 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>
3820	AR1268 750 PPB STD	PP22243	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.25000ml of E3520 + 0.75000ml of PP22242 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1533	AR1268 500 PPB STD	PP22244	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22242 = 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>
3821	AR1268 250 PPB STD	PP22245	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.75000ml of E3520 + 0.25000ml of PP22242 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3822	AR1268 50 PPB STD	PP22246	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.90000ml of E3520 + 0.10000ml of PP22244 = 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>
404	AR1660 100 PPM Stock Solution 2nd Source	PP22247	06/30/2023	12/29/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P12202 + 9.00000ml of E3534 = Final Quantity: 10.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
405	AR1660 1000/100 PPB ICV STD	PP22248	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 49.25000ml of E3520 + 0.25000ml of PP22206 + 0.50000ml of PP22247 = Final Quantity: 50.000 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>
406	AR1660 500 PPB ICV	PP22249	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22248 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3789	AR1221 1000 PPB WORKING SOL.2ND SOURCE(AGILENT)	PP22250	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 1.00000ml of P11494 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
3790	AR1221 500 PPB ICV(AGILENT)	PP22251	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.50000ml of E3520 + 0.50000ml of PP22250 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1887	AR1232 1000 PPB Working Sol. 2nd Source	PP22252	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P10102 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
1888	AR1232 500 PPB ICV	PP22253	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22252 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1889	AR1242 1000 PPB Working Sol. 2nd Source	PP22254	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P11504 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
1891	AR1242 500 PPB ICV	PP22255	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22254 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1890	AR1248 1000 PPB Working Sol. 2nd Source	PP22256	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P11509 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
1892	AR1248 500 PPB ICV	PP22257	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22256 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
1893	AR1254 1000 PPB Working Sol. 2nd Source	PP22258	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P11516 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
1894	AR1254 500 PPB ICV	PP22259	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22258 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3757	AR1262 1000 PPB Working Solution second source	PP22260	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 1.00000ml of P10155 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
3758	AR1262 500 PPB STD ICV	PP22261	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
								07/05/2023

FROM 0.50000ml of E3520 + 0.50000ml of PP22260 = Final Quantity: 1.000 ml

CHEMTECH

284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

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>
3817	AR1268 1000 ppb Working Soln. 2nd source	PP22262	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 1.00000ml of P11518 + 98.50000ml of E3520 + 0.50000ml of PP22206 = 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>
3823	AR1268 500 PPB STD ICV	PP22263	06/30/2023	12/17/2023	Ankita Jodhani	None	None	Yogesh Patel
07/05/2023								

FROM 0.50000ml of E3520 + 0.50000ml of PP22262 = Final Quantity: 1.000 ml

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	12/31/2024	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	9005-05 / Acetone Ultra (cs/4x4L)	22J2461015	11/30/2023	02/21/2023 / Rajesh	02/15/2023 / Rajesh	E3465

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)	22E1562001	12/16/2023	06/17/2023 / Rajesh	06/15/2023 / Rajesh	E3519

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)	23C2462011	01/19/2024	06/17/2023 / Rajesh	06/15/2023 / Rajesh	E3520

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)	12/18/2025	12/29/2023	06/29/2023 / Rajesh	06/29/2023 / Rajesh	E3534

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)	23C2462011	01/13/2024	07/13/2023 / Rajesh	07/05/2023 / Rajesh	E3536

CHEMICAL RECEIPT LOG BOOK

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)	22D0862014	01/20/2025	08/22/2022 /	04/26/2022 / mohan	M5211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-302-1 / Aroclor 1232	CF-2197A	12/30/2023	06/30/2023 / Ankita	12/03/2020 / Abdul	P10102

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-372-1 / Aroclor 1262	0006499800	12/30/2023	06/30/2023 / Ankita	01/12/2021 / Abdul	P10155

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	A0163157	12/30/2023	06/30/2023 / Ankita	03/19/2021 / Abdul	P10480

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	A0160220	12/30/2023	06/30/2023 / Ankita	03/19/2021 / Abdul	P10495

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	A0167722	12/30/2023	06/30/2023 / Ankita	03/19/2021 / Ankita	P10497

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0172332	12/20/2023	06/20/2023 / Ankita	06/17/2021 / dhaval	P10792

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	A0167551	12/30/2023	06/30/2023 / Ankita	09/03/2021 / Abdul	P11049

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	A0162497	12/30/2023	06/30/2023 / Ankita	09/03/2021 / Abdul	P11054

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	033121	11/26/2023	05/26/2023 / Abdul	02/03/2022 / yogesh	P11373

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-292-1 / Aroclor 1221	0006535333	12/30/2023	06/30/2023 / Ankita	02/21/2022 / Ankita	P11494

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-312-1 / Aroclor 1242	0006665550	12/30/2023	06/30/2023 / Ankita	02/21/2022 / Ankita	P11504

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-342-1 / Aroclor 1248	0006626997	12/30/2023	06/30/2023 / Ankita	02/21/2022 / Ankita	P11509

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-352-1 / Aroclor 1254	CS-2321	12/30/2023	06/30/2023 / Ankita	02/21/2022 / Ankita	P11516

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Agilent Technologies	PP-382-1 / Aroclor 1268	0006587800	12/30/2023	06/30/2023 / Ankita	02/21/2022 / Ankita	P11518

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	12/30/2023	06/30/2023 / Ankita	03/18/2022 / Abdul	P11578

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	A0173309	12/30/2023	06/30/2023 / Ankita	03/18/2022 / Abdul	P11584

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	A0181782	12/30/2023	06/30/2023 / Ankita	03/18/2022 / Abdul	P11594

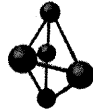


284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	32000 / Pesticide Mix, CLP method, Pesticide Surrogate Mix, 200ug/mL, Acetone, 1mL	A0179404	12/30/2023	06/30/2023 / Ankita	05/27/2022 / Sohil	P11739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	20064 / Aroclor 1016/1260	033121	12/30/2023	06/30/2023 / Ankita	11/16/2022 / Ankita	P12202



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number:
Lot Number:
Description:

20064
033121
CLP PCBs - Aroclor Mix
Aroclors 1016 & 1260
033131
Ambient (20 °C)
1000
6UTB

Expiration Date:
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:

Solvent(s):
Hexane

Lot#
233256

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

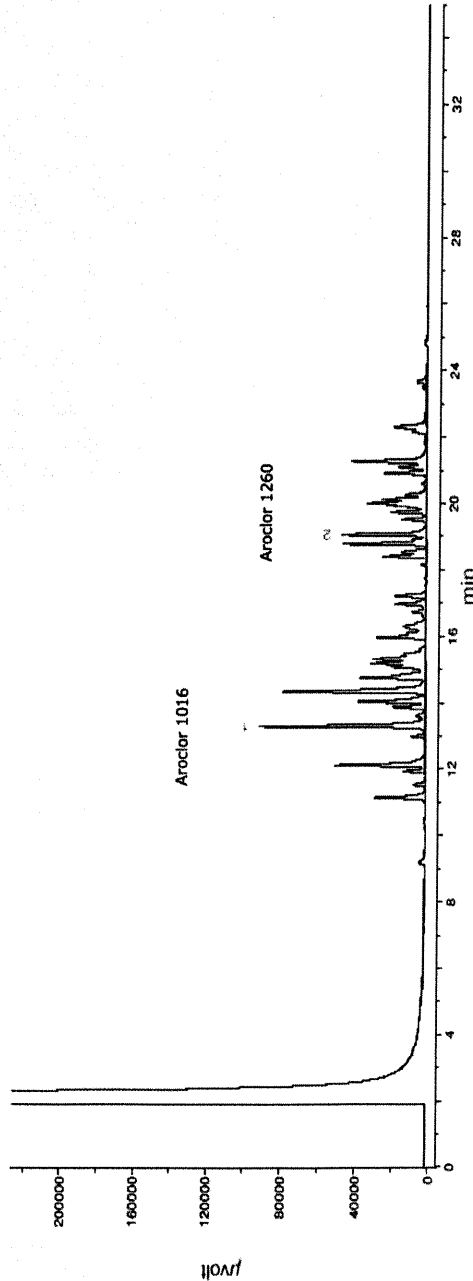
Weight(s) shown below were combined and diluted to (mL): 200.1

Formulated By:	Prashant Chauhan	033121	DATE
Reviewed By:	Pedro L. Rentas	033121	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Expanded Uncertainty (+/-) (µg/mL)	Actual Weight(g)	Actual Conc (µg/mL)	SDS Information	
								(Solvent Safety Info. On Attached pg.)	
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20007	1000.9	12674-11-2	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20035	1001.4	11096-82-5	0.5mg/m3 ot-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).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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 = 290 °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



P 11364

P 11373

Y.P.
02/03/22



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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.

DD
06/17/2021

Catalog No.: 32000 Lot No.: A0172332
Description: Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: August 31, 2027 Storage: 10°C or colder
Handling: Contains PCBs - sonicate prior to use. Ship: Ambient

P10783
To - (10)
P10792

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	200.7 µg/mL	+/- 1.1840 µg/mL Gravimetric +/- 6.3622 µg/mL Unstressed +/- 8.3106 µg/mL Stressed
2	Decachlorobiphenyl (BZ# 209) CAS # 2051-24-3 (Lot 30679) Purity 99%	200.2 µg/mL	+/- 1.1810 µg/mL Gravimetric +/- 6.3463 µg/mL Unstressed +/- 8.2897 µg/mL Stressed

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

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:

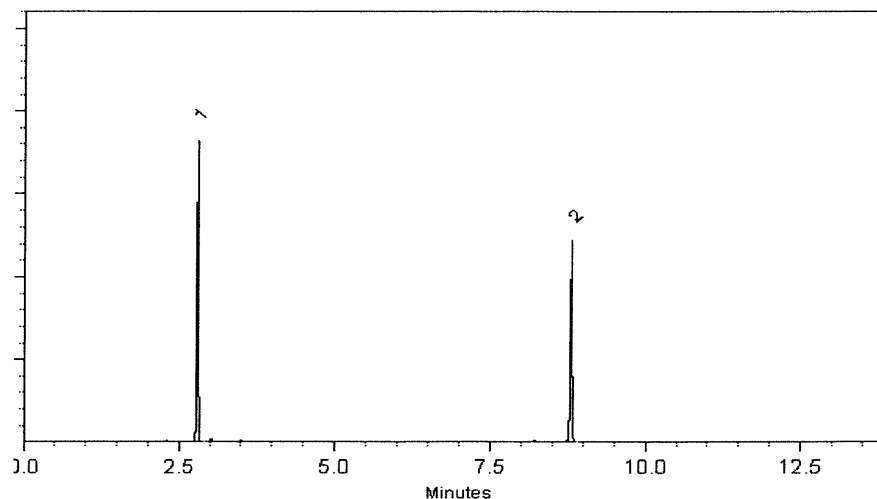
250°C

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: 12-May-2021

Balance: B707717271

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 14-May-2021

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

Sand
Purified
Washed and Ignited



Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

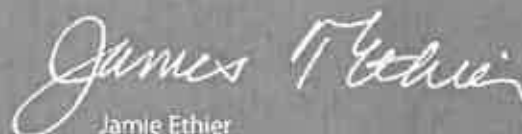
Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	$\leq 0.16\%$	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

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

E 2865


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Acetone
CMOS



Material No.: 9005-05
Batch No.: 22J2461015
Manufactured Date: 2022-10-20
Retest Date: 2027-10-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.5 %	99.7 %
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 %	0.2 %
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	3.4 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

>>> Continued on page 2 >>>

E 3465
Recd. by RP on 2/15/23

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

Acetone
CMOS



Material No.: 9005-05
Batch No.: 22J2461015

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	< 5.0 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	1.8 ppb
Trace Impurities – Zirconium (Zr)	≤ 10.0 ppb	< 1.0 ppb
Particle Count – 0.5 µm and greater (Rion KS42AF)	≤ 100 par/ml	15 par/ml
Particle Count – 1.0 µm and greater (Rion KS42AF)	≤ 8 par/ml	4 par/ml

>>> Continued on page 3 >>>

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



Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 22E1562001
Manufactured Date: 2022-05-03
Expiration Date: 2025-05-02
Revision No.: 0

Certificate of Analysis

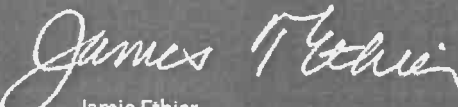
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.8 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	< 1.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	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: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by R1 on 6/11/23

E 3519


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC

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

Page 1 of 1

Material No.: 9262-03
Batch No.: 23C2462011
Manufactured Date: 2023-03-10
Expiration Date: 2024-06-08
Revision No.: 0

Certificate of Analysis

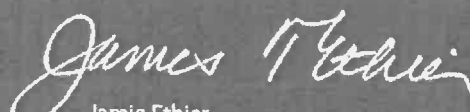
Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	< 1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	97 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 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 6/15/23

E 3520


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC

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

Page 1 of 1

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis



Material No.: 9254-03
Batch No.: 22L2862006
Manufactured Date: 2022-12-19
Expiration Date: 2025-12-18
Revision No.: 0

Certificate of Analysis

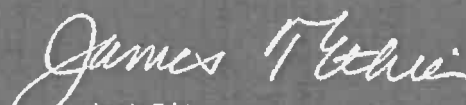
Test	Specification	Result
Assay ((CH ₃) ₂ CO) (by GC, corrected for water)	≥ 99.4 %	99.7 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	≤ 0.3	0.1
Titration Base (μeq/g)	≤ 0.6	< 0.1
Water (H ₂ O)	≤ 0.5 %	0.3 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	4

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

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

Recd. by RS on 6/29/23

E 3534


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC

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

Page 1 of 1

Material No.: 9262-03
Batch No.: 23C2462011
Manufactured Date: 2023-03-10
Expiration Date: 2024-06-08
Revision No.: 0

Certificate of Analysis

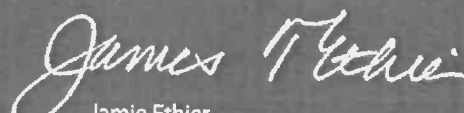
Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	≤ 5	< 1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	≤ 10	1
ECD-Sensitive Impurities (as Ethylene Dibromide) - Single Impurity Peak (ng/mL)	≤ 5	< 1
Assay (Total Saturated C ₆ Isomers) (by GC, corrected for water)	≥ 99.5 %	99.7 %
Assay (as n-Hexane) (by GC, corrected for water)	≥ 95 %	97 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.3 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 7/5/23

E 3536


Jamie Ethier
Vice President Global Quality

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

Avantor Performance Materials, LLC

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

Page 1 of 1

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

avantor™



Material No.: 9673-33

Batch No.: 22D0862014

Manufactured Date: 2022-02-23

Retest Date: 2027-02-22

Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H ₂ SO ₄)	95.0 – 98.0 %	96.5 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	≤ 10	5
ACS – Residue after Ignition	≤ 3 ppm	< 1 ppm
ACS – Substances Reducing Permanganate (as SO ₂)	≤ 2 ppm	< 2 ppm
Ammonium (NH ₄)	≤ 1 ppm	< 1 ppm
Chloride (Cl)	≤ 0.1 ppm	< 0.1 ppm
Nitrate (NO ₃)	≤ 0.2 ppm	< 0.1 ppm
Phosphate (PO ₄)	≤ 0.5 ppm	< 0.1 ppm
Trace Impurities – Aluminum (Al)	≤ 30.0 ppb	1.7 ppb
Arsenic and Antimony (as As)	≤ 4.0 ppb	< 2.0 ppb
Trace Impurities – Boron (B)	≤ 10.0 ppb	< 5.0 ppb
Trace Impurities – Cadmium (Cd)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Chromium (Cr)	≤ 6.0 ppb	< 0.4 ppb
Trace Impurities – Cobalt (Co)	≤ 0.5 ppb	< 0.3 ppb
Trace Impurities – Copper (Cu)	≤ 1.0 ppb	< 0.1 ppb
Trace Impurities – Gold (Au)	≤ 10.0 ppb	< 0.2 ppb
Heavy Metals (as Pb)	≤ 500.0 ppb	< 100.0 ppb
Trace Impurities – Iron (Fe)	≤ 50.0 ppb	2.0 ppb
Trace Impurities – Lead (Pb)	≤ 0.5 ppb	< 0.5 ppb
Trace Impurities – Magnesium (Mg)	≤ 7.0 ppb	0.6 ppb
Trace Impurities – Manganese (Mn)	≤ 1.0 ppb	< 0.4 ppb
Trace Impurities – Mercury (Hg)	≤ 0.5 ppb	< 0.1 ppb
Trace Impurities – Nickel (Ni)	≤ 2.0 ppb	< 0.3 ppb
Trace Impurities – Potassium (K)	≤ 500.0 ppb	< 2.0 ppb
Trace Impurities – Selenium (Se)	≤ 50.0 ppb	12.1 ppb
Trace Impurities – Silicon (Si)	≤ 100.0 ppb	4.4 ppb
Trace Impurities – Silver (Ag)	≤ 1.0 ppb	< 0.3 ppb

>>> Continued on page 2 >>>

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

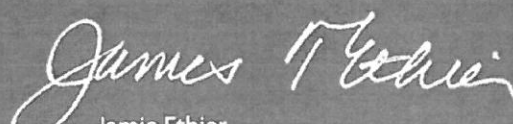


Material No.: 9673-33
Batch No.: 22D0862014

Test	Specification	Result
Trace Impurities – Sodium (Na)	≤ 500.0 ppb	6.2 ppb
Trace Impurities – Strontium (Sr)	≤ 5.0 ppb	< 0.2 ppb
Trace Impurities – Tin (Sn)	≤ 5.0 ppb	< 0.8 ppb
Trace Impurities – Zinc (Zn)	≤ 5.0 ppb	0.6 ppb

For Laboratory, Research, or Manufacturing Use

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


Jamie Ethier
Vice President Global Quality



Certificate of Analysis ISO 17034

Aroclor 1232 Standard

Product Number: PP-302-1

Page: 1 of 1

Lot Number: CF-2197A

Lot Issue Date: 05-Jul-2016

Expiration Date: 31-Aug-2023

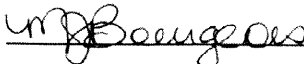
This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1232	011141-16-5	NT01717	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS Representative

P10098
↓
P10102
—
AR
12/03/20



ISO 17034 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management System



ISO17025 Cert No.
AT-1937



Certificate of Analysis ISO 17034

Aroclor 1262 Standard

Product Number: PP-372-1

Page: 1 of 1

Lot Number: 0006499800

Lot Issue Date: 04-Nov-2019

Expiration Date: 30-Nov-2023

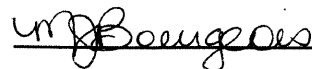
This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent Technologies ISO 9001 registered quality system. A review of the gravimetric preparation data by our ISO 17025 accredited laboratory serves to verify the concentration of each analyte. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1262	037324-23-5	RM14263	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS Representative

P10151
↓
P10155

AR
01/12/2021



ISO 17034 Cert No.
AR-1936

Produced in accordance with TUV USA Inc 56 100 18560026
registered ISO 9001 Quality Management System



ISO 17025 Cert No.
AT-1937



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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. : 32039 **Lot No.:** A0163157

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 : November 30, 2026 **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 1016 CAS # 12674-11-2 (Lot 04) Purity ----%	1,007.0 µg/mL	+/- 5.8683 µg/mL Gravimetric +/- 31.9082 µg/mL Unstressed +/- 41.6868 µg/mL Stressed
2	Aroclor 1260 CAS # 11096-82-5 (Lot 07) Purity ----%	1,008.0 µg/mL	+/- 5.8741 µg/mL Gravimetric +/- 31.9399 µg/mL Unstressed +/- 41.7282 µg/mL Stressed

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

P 10476

P 10480

AR
02/19/21

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

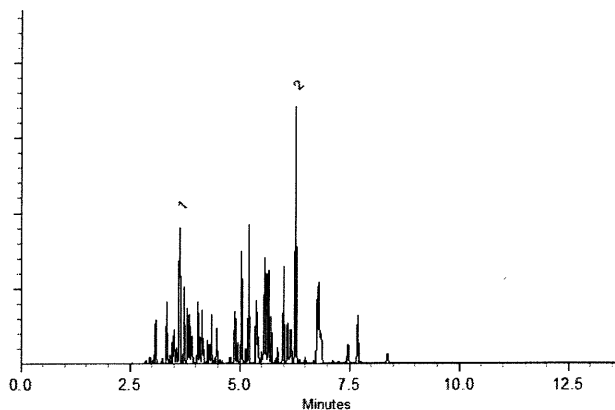
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Tom Suckar - Mix Technician

Date Mixed: 03-Aug-2020

Balance: B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Aug-2020

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

www.restek.com

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. : 32011 **Lot No.:** A0160220

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

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

Expiration Date : July 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1254	1,005.0 µg/mL	+/- 5.9694 µg/mL Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.8658 µg/mL Unstressed
	Purity ----%		+/- 41.6201 µg/mL Stressed

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

P10491
↓
P10495
AR
03/19/21

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

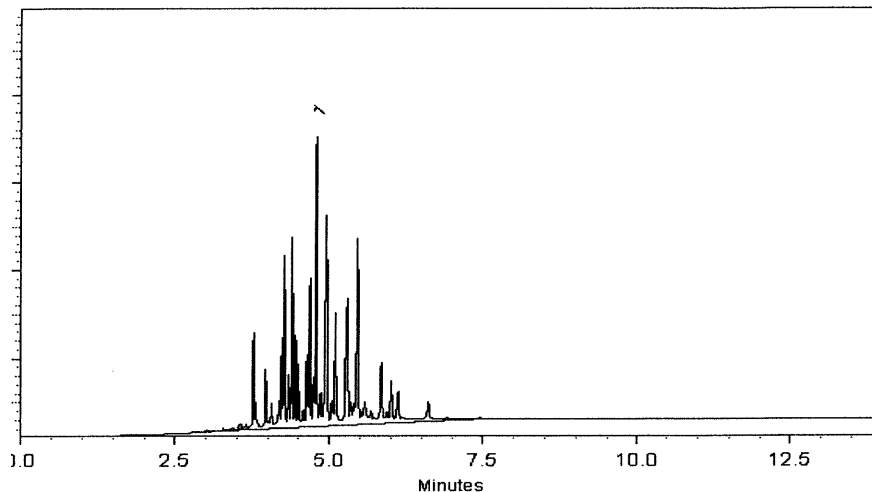
250°C

Det. Temp:

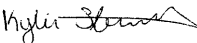
300°C

Det. Type:

ECD

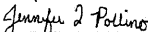


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Kyle Struble - Operations Technician I

Date Mixed: 22-Apr-2020

Balance: 1128360905


Jennifer Pollino - Operations Tech-ARM QC

Date Passed: 28-Apr-2020

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

www.restek.com

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. : 32409 Lot No.: A0167722
Description : Aroclor® 1262 Standard
Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : April 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 1262	1,004.0 µg/mL	+/- 5.9635 µg/mL Gravimetric
	CAS # 37324-23-5 (Lot 10849100)		+/- 31.8340 µg/mL Unstressed
	Purity ----%		+/- 41.5787 µg/mL Stressed

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

P10496
↓
P10500

AJ
09/19/21

Column:

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

Carrier Gas:

helium-constant pressure 20 psi.

Temp. Program:

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

Inj. Temp:

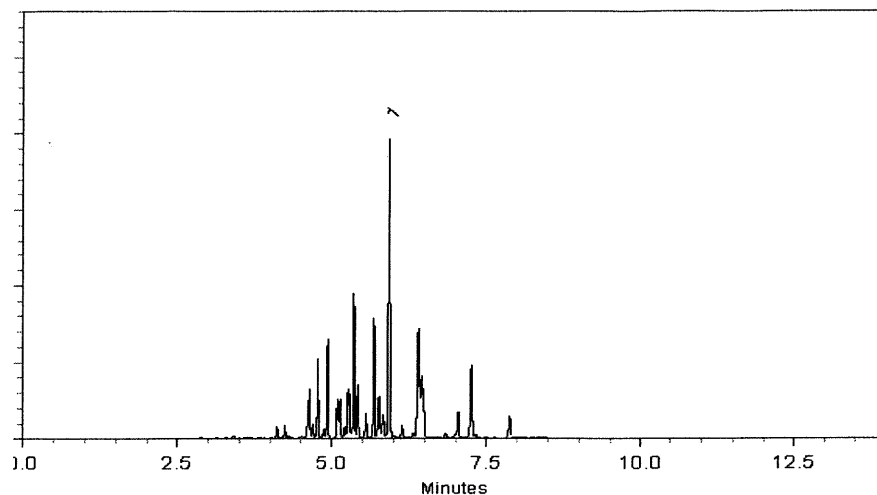
250°C

Det. Temp:

300°C

Det. Type:

ECD



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

Sam Moodler
Sam Moodler - Operations Tech I

Date Mixed: 03-Jan-2021

Balance: B707717271

Marlene Cowan
Marlene Cowan - Operations Tech I

Date Passed: 05-Jan-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

www.restek.com

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. : 32009 Lot No.: A0167551
Description : Aroclor® 1242 Standard
Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : March 31, 2027 Storage: 25°C nominal
Handling: This product contains PCBs. Ship: Ambient

P11046
To
P11050
AR
09/9/2021

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1242	1,006.0 µg/mL	+/- 5.9753 µg/mL Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 31.8975 µg/mL Unstressed
	Purity ----%		+/- 41.6615 µg/mL Stressed

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

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:

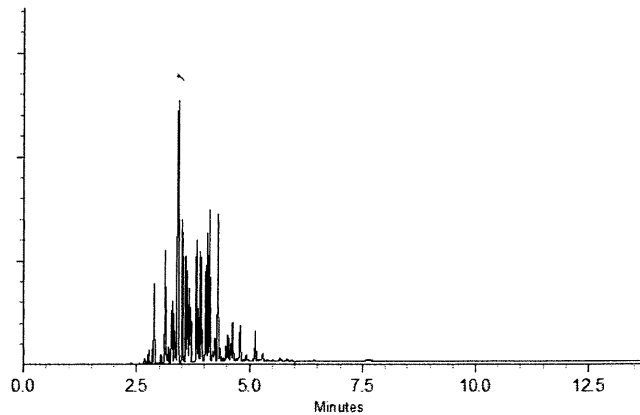
250°C

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.

Tom Suckar - Mix Technician

Date Mixed: 28-Dec-2020

Balance: B707717271

Justine Albertson - Operations Tech-ARM QC

Date Passed: 30-Dec-2020

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

P11046
↓

P11050

AR
09/9/2021



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

www.restek.com

CERTIFIED REFERENCE MATERIAL

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.: 32010 Lot No.: A0162497
Description: Aroclor® 1248 Standard
Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: October 31, 2026 Storage: 25°C nominal
Handling: This product contains PCBs.

P11051
TO
P11055
AR
09/19/2021

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Aroclor 1248	1,006.0 µg/mL	+/- 5.9753 µg/mL Gravimetric
	CAS # 12672-29-6 (Lot 9303900)		+/- 31.8975 µg/mL Unstressed
	Purity ----%		+/- 41.6615 µg/mL Stressed

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

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:

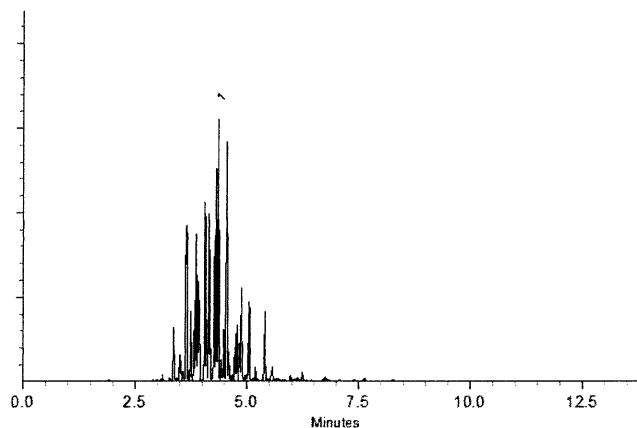
250°C

Det. Temp:

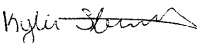
300°C

Det. Type:

ECD

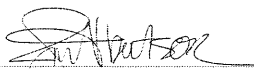


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


Kyle Struble - Operations Technician I

Date Mixed: 13-Jul-2020

Balance: 1128360905


Justine Alberson - Operations Tech-ARM QC

Date Passed: 16-Jul-2020

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

P11051
↓
P11055
—
AR
9/7/2021



Certificate of Analysis

P11493
↓
P11494

AJ
02/21/22

Product Name: Aroclor 1221 Standard

Product Number: PP-292-1

Lot Issue Date: 28-Apr-2020

Lot Number: 0006535333

Expiration Date: 31-May-2024

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1221	011104-28-2	RM04278	100.2 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

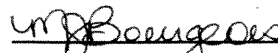
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert No.
AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

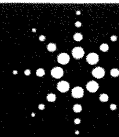
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1242 Standard

Lot Number: 0006665550

Product Number: PP-312-1

Lot Issue Date: 08-Feb-2022

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 31-Jan-2027

Component Name	CERTIFIED VALUES			CAS#	Analyte Lot
	Concentration	Expanded Uncertainty			
Aroclor 1242	100.4	± 0.5 µg/mL		053469-21-9	NT01020

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11503
↓
P11507

AJ
02/21/22

Page: 1 of 2

CSD-QA-015.1

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

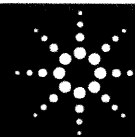
www.agilent.com/quality/

CSD-QA-015.1



ISO 17025
Cert No. AT-

ISO 17034



Agilent

Trusted Answers

Reference Material Certificate

Product Name: Aroclor 1248 Standard

Lot Number: 0006626997

Product Number: PP-342-1

Lot Issue Date: 17-Aug-2021

Storage Conditions: Store at Room Temperature (15° to 30°C).

Expiration Date: 30-Sep-2025

Component Name	CERTIFIED VALUES		CAS#	Analyte Lot
	Concentration	Expanded Uncertainty		
Aroclor 1248	100.3	± 0.5 µg/mL	012672-29-6	NT01582

Matrix: isooctane (2,2,4-trimethylpentane)

Description:

This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:

This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:

The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

P11508

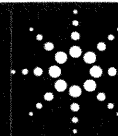
↓

P11512

AJ

2/21/22

ISO 17034



Agilent

Trusted Answers

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with the TUV/SUD registered ISO 9001:2015
Quality Management System. Cert# 951215321

Page: 2 of 2

www.agilent.com/quality/

CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



Certificate of Analysis

Aroclor 1254 Solution

Product Number: PP-352

Page: 1 of 1

Lot Number: CS-2321

Lot Issue Date: 04-May-2018

Expiration Date: 31-May-2026

This ISO Guide 34 Reference Material (RM) was manufactured and verified in accordance with ULTRA's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
Aroclor 1254	011097-69-1	RM00922	100.4 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage: Store at Room Temperature (15° to 30°C).

P11513
↓
P11517
AJ
02/21/22

ULTRA uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCCL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.



ISO 9001
Registered
TUV USA, Inc.

John Russo
President

Monica Bourgeois
Director of QA/RA



Certificate of Analysis

P11518
↓
P11522
AJ
02/21/22

Product Name: Aroclor 1268 Standard

Product Number: PP-382-1

Lot Issue Date: 09-Feb-2021

Lot Number: 0006587800

Expiration Date: 31-Mar-2029

Description:

This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
Aroclor 1268	011100-14-4	RM00937	100.0 ± 0.5 µg/mL

Matrix: isooctane (2,2,4-trimethylpentane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:

The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:

This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:

This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:

Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:

Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

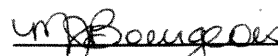
Expiration of Certification:

The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:

If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:


Monica Bourgeois
QMS Representative



ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1



ISO 17025 Cert
No. AT-1937



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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 CAS # 11104-28-2 (Lot 10210500) Purity ----%	1,002.0 µg/mL	+/- 5.9516 µg/mL Gravimetric +/- 31.7706 µg/mL Unstressed +/- 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)

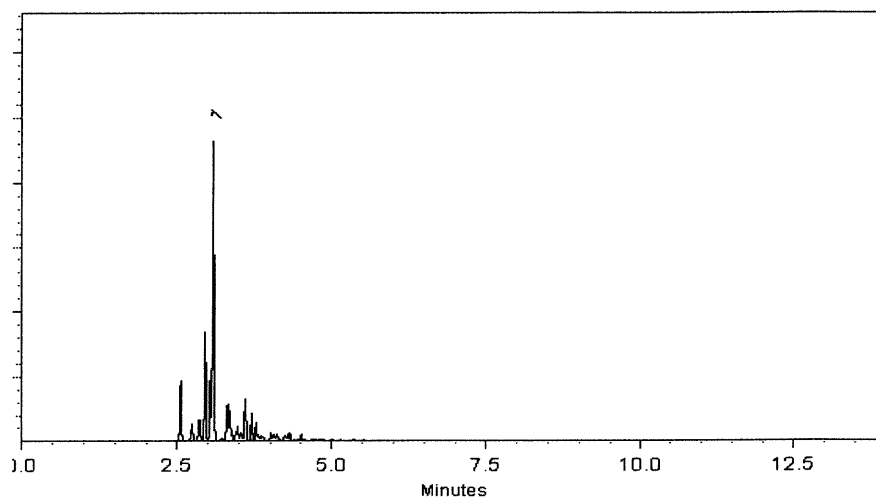
Carrier Gas:
helium-constant pressure 20 psi.

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



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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. : 32008 Lot No.: A0173309
Description : Aroclor® 1232 Standard
Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul
Container Size : 2 mL Pkg Amt: > 1 mL
Expiration Date : September 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 1232	1,001.0 µg/mL	+/- 5.9456 µg/mL Gravimetric
	CAS # 11141-16-5 (Lot 15665-01)		+/- 31.7389 µg/mL Unstressed
	Purity ----%		+/- 41.4544 µg/mL Stressed

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

P11583
↓
P11587 / (S)

AR
04/30/22

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

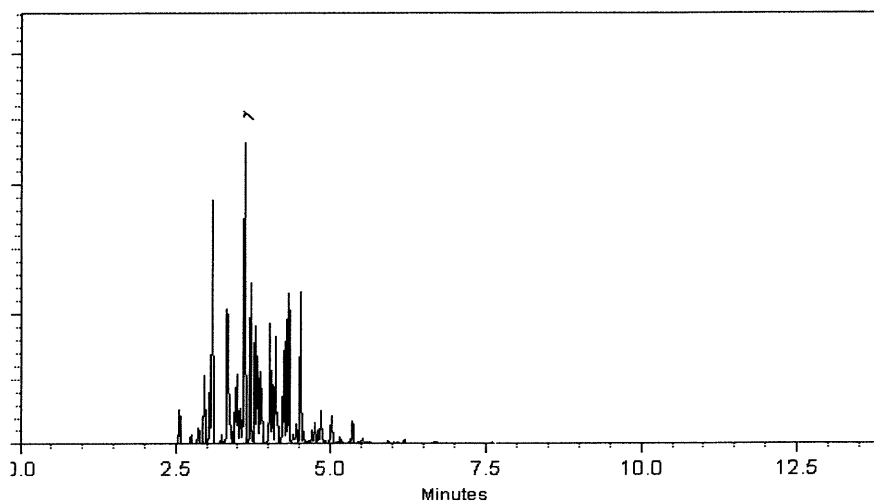
Carrier Gas:
helium-constant pressure 20 psi.

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: 13-Jun-2021 **Balance:** B442140311

Alexis Shelow
Alexis Shelow - Operations Tech I

Date Passed: 16-Jun-2021

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

P11583
↓
P11587 (5)

AR
04/30/22



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

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. : 32410 Lot No.: A0181782
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, 2028 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 1268 CAS # 11100-14-4 Purity ----%	1,001.4 µg/mL (Lot 10947000)	+/- 5.9480 µg/mL Gravimetric +/- 31.7516 µg/mL Unstressed +/- 41.4710 µg/mL Stressed

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

P 11593
↓
P 11597
⑤

UAR
04/30/2022

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:

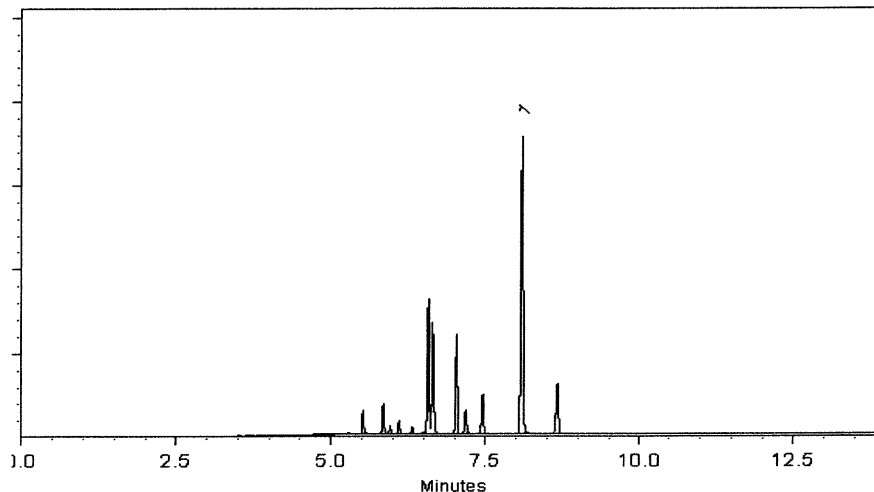
250°C

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.

Penelope S. Riglin
Penelope Riglin - Operations Tech I

Date Mixed: 14-Feb-2022

Balance: 1128360905

Clara Windle
Clara Windle - Operations Technician I

Date Passed: 17-Feb-2022

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

P 11593 / (5)
↓
P 11597
[Signature]
04/30/2022



CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis

P11739 to P11748

Received by SJ 5/27/2022



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 32000 **Lot No.:** A0179404
Description : Pesticide Surrogate Mix
Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : March 31, 2028 **Storage:** 10°C or colder
Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	2,4,5,6-Tetrachloro-m-xylene CAS # 877-09-8 (Lot 0052481) Purity 98%	200.7 µg/mL	+/- 1.1840 µg/mL Gravimetric +/- 6.3622 µg/mL Unstressed +/- 8.3106 µg/mL Stressed
2	Decachlorobiphenyl (BZ# 209) CAS # 2051-24-3 (Lot 30679) Purity 99%	200.8 µg/mL	+/- 1.1845 µg/mL Gravimetric +/- 6.3653 µg/mL Unstressed +/- 8.3146 µg/mL Stressed

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

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:

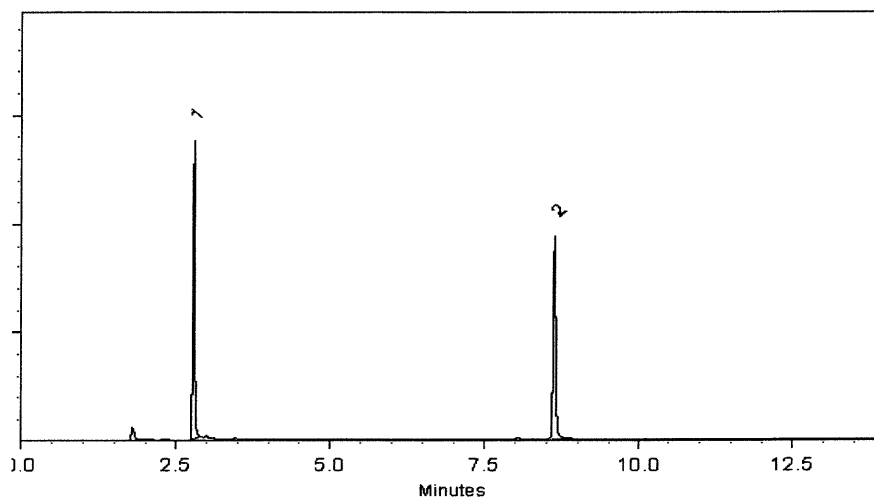
250°C

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.


Matt Fragassi - Mix Technician

Date Mixed: 09-Dec-2021

Balance: 1127510105


Clara Windle - Operations Technician I

Date Passed: 14-Dec-2021

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

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

Manufacturing Notes:

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

Handling Notes:

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



Certified Reference Material CRM

CERTIFIED WEIGHT REPORT

Part Number: 20064
Lot Number: 033121
Description: CLP PCB'S - Aroclor Mix
Aroclors 1016 & 1260
033131
Expiration Date:
Ambient (20 °C)
1000
Recommended Storage:
Nominal Concentration (µg/mL):
NIST Test ID#:
6UTB

Solvent(s): Hexane
Lot# 233256

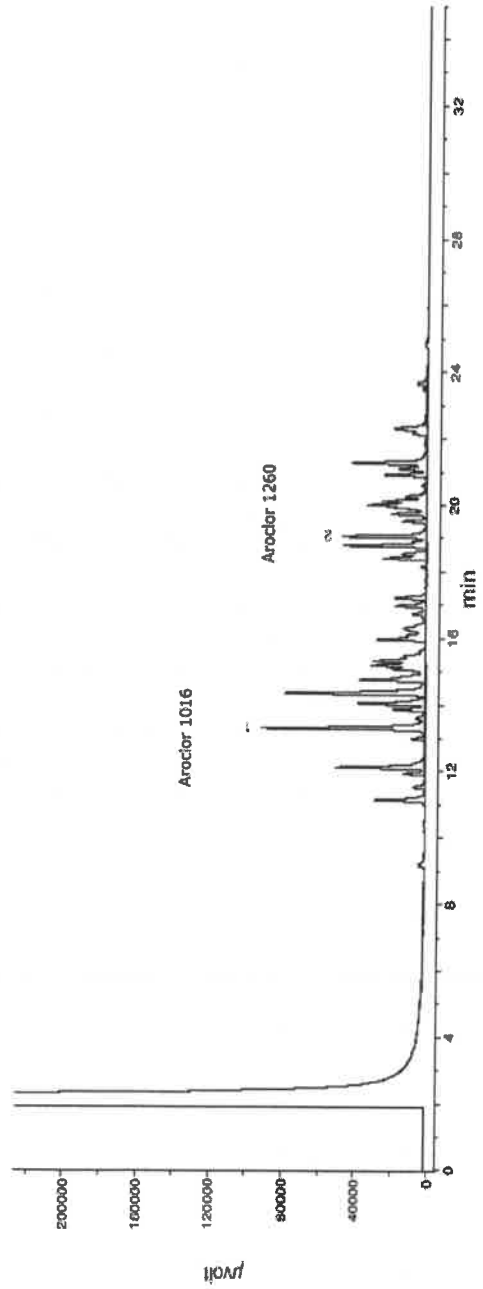
Formulated By:	Prashant Chauhan	033121	DATE
Reviewed By:	Pedro L. Renteria	033121	DATE

Weight(s) shown below were combined and diluted to (mL): 200.1 5E-05 Balance Uncertainty 0.058 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information		
										(Solvent Safety Info. On Attached pg.)	OSHA PEL (TWA)	LD50
1. Aroclor 1016	15	020491JC	1000	100	0.2	0.20007	0.20025	1000.9	4.1	12674-11-2	N/A	N/A
2. Aroclor 1260	21	020491JC	1000	100	0.2	0.20007	0.20035	1001.4	4.1	11096-82-5	0.5mg/m3	or-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).
* Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
* All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
* Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC3-M1 Analysis by Melissa Stortier
Column ID SPB-608 30 meter X 0.53mm X 5µm 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 = 290°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



P12201
AS
11/16/22
J
P12210

SHIPPING DOCUMENTS

CHEMTECH

CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO.
QUOTE NO. 03649
COC Number 2040361

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Atlas
ADDRESS: 104 E 25th
CITY: NY STATE: NY ZIP: 10010
ATTENTION: denise cosenza
PHONE: _____ FAX: _____

CLIENT PROJECT INFORMATION

PROJECT NAME: SCA - X182
PROJECT NO.: SCA-2022136 LOCATION: NYC
PROJECT MANAGER: D. Cosenza
e-mail: denise.cosenza@oneatlas.co
PHONE: _____ FAX: _____

CLIENT BILLING INFORMATION

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

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 24 HR DAYS*
EDD: Rush DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other _____
☐ EDD FORMAT _____

TOTAL PCBs

PRESERVATIVES

COMMENTS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										COMMENTS
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	X182 - S5	S		X	7/17	8:45	1	X									
2.	X182 - B4	S		X	7/17	8:45	1	X									
3.	X182 - S3	S		X	7/17	8:45	1	X									
4.	X182 - S B3	S		X	7/17	8:45	1	X									
5.	X182 - S B3 D40(17)	S		X	7/17	8:45	1	X									
6.																	
7.	X182 - S4 (not labeled)																
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER: [Signature] DATE/TIME: 7/17/23 12:20 RECEIVED BY: [Signature] 1220
1. [Signature]
RELINQUISHED BY SAMPLER: _____ DATE/TIME: _____ RECEIVED BY: _____
2. _____
RELINQUISHED BY SAMPLER: [Signature] DATE/TIME: 1600 RECEIVED BY: [Signature]
3. [Signature]

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.0 °C
Comments: _____

Page 1 of 1

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete
☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0649
DOD ELAP (L-A-B)	L2219
Maine	2022022
Maryland	296
New Hampshire	255422
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	P330-21-00137
Texas	T104704488-23-16