

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : WILDWOOD DPW STORAGE YARD SITE - # 0514T294

REMINGTON & VERNICK ENGINEERS

2059 Springdale Road

Cherry Hill, NJ - 08003

Phone No: 856-795-9595

ORDER ID : N5992

ATTENTION : Marco Carulli



Laboratory Certification ID # 20012



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DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECHClient : Remington & Vernick EngineersProject Location : NJProject Number : 0514T294Laboratory Sample ID(s) : N5992Sampling Date(s) : 12/08/2022List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8082A**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☒ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☒ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☒ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☒ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☒ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☒ Yes ☐ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☒ Yes ☐ No ☒ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☒ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☒ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Data of Known Quality."

Cover Page

Order ID : N5992

Project ID : Wildwood DPW Storage Yard Site - # 0514T294

Client : Remington & Vernick Engineers

Lab Sample Number

N5992-01
N5992-02
N5992-03

Client Sample Number

AOC2-B4-V1
AOC2-B4-S5
AOC2-B4-W5

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 12/20/2022

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

Remington & Vernick Engineers

Project Name: Wildwood DPW Storage Yard Site - # 0514T294

Project # N/A

Chemtech Project # N5992

Test Name: PCB

A. Number of Samples and Date of Receipt:

3 Solid samples were received on 12/09/2022.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB. This data package contains results for PCB.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_O. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCBs was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The MS recoveries met the requirements for all compounds .

The MSD recoveries met the acceptable requirements .

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

This data package has been revised to report Total PCB as per client request.

The soil samples results are based on a dry weight basis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: N5992

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

1st Level QA Review Signature: SOHIL JODHANI

Date: 12/20/2022

2nd Level QA Review Signature: _____

Date: _____

Hit Summary Sheet
SW-846

SDG No.: N5992

Order ID: N5992

Client: Remington & Vernick Engineers

Project ID: Wildwood DPW Storage Yard Site - # 1

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
Total Concentration:				0.000				

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L

SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/08/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/09/22
Client Sample ID:	AOC2-B4-V1	SDG No.:	N5992
Lab Sample ID:	N5992-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	99.7
Sample Wt/Vol:	30.07 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
PO091304.D	1	12/13/22 09:15	12/13/22 15:21	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.10	U	3.10	17.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	17.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.0	ug/kg
53469-21-9	Aroclor-1242	2.40	U	2.40	17.0	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	17.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	17.0	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	17.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	5.70	U	5.70	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		40 - 162	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		32 - 176	117%	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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/08/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/09/22
Client Sample ID:	AOC2-B4-S5	SDG No.:	N5992
Lab Sample ID:	N5992-02	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	99.8
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
PO091305.D	1	12/13/22 09:15	12/13/22 15:38	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.10	U	3.10	17.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	17.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.0	ug/kg
53469-21-9	Aroclor-1242	2.40	U	2.40	17.0	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	17.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	17.0	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	17.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	5.70	U	5.70	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		40 - 162	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		32 - 176	121%	SPK: 20

Comments:

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/08/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/09/22
Client Sample ID:	AOC2-B4-W5	SDG No.:	N5992
Lab Sample ID:	N5992-03	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	99.9
Sample Wt/Vol:	30.03 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
PO091306.D	1	12/13/22 09:15	12/13/22 15:55	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.10	U	3.10	17.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	17.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.0	ug/kg
53469-21-9	Aroclor-1242	2.40	U	2.40	17.0	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	17.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	17.0	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	17.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	5.70	U	5.70	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		40 - 162	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		32 - 176	120%	SPK: 20

Comments:

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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

QC SUMMARY

Surrogate Summary

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO090933.D	PIBLK-PO090933.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	21.5	108		60	140
		Tetrachloro-m-xylene	2	20	21.4	107		60	140
		Decachlorobiphenyl	2	20	22.1	111		60	140
I.BLK-PO091301.D	PIBLK-PO091301.D	Tetrachloro-m-xylene	1	20	20.4	102		60	140
		Decachlorobiphenyl	1	20	20.3	102		60	140
		Tetrachloro-m-xylene	2	20	21.8	109		60	140
		Decachlorobiphenyl	2	20	23.9	120		60	140
PB149582BL	PB149582BL	Tetrachloro-m-xylene	1	20	17.7	88		40	162
		Decachlorobiphenyl	1	20	18.1	91		32	176
		Tetrachloro-m-xylene	2	20	19.3	97		40	162
		Decachlorobiphenyl	2	20	21.2	106		32	176
PB149582BS	PB149582BS	Tetrachloro-m-xylene	1	20	19.3	96		40	162
		Decachlorobiphenyl	1	20	19.7	98		32	176
		Tetrachloro-m-xylene	2	20	19.9	99		40	162
		Decachlorobiphenyl	2	20	22.9	115		32	176
N5992-01	AOC2-B4-V1	Tetrachloro-m-xylene	1	20	20.3	101		40	162
		Decachlorobiphenyl	1	20	19.7	98		32	176
		Tetrachloro-m-xylene	2	20	22.3	112		40	162
		Decachlorobiphenyl	2	20	23.4	117		32	176
N5992-02	AOC2-B4-S5	Tetrachloro-m-xylene	1	20	21.0	105		40	162
		Decachlorobiphenyl	1	20	20.7	103		32	176
		Tetrachloro-m-xylene	2	20	23.3	116		40	162
		Decachlorobiphenyl	2	20	24.1	121		32	176
N5992-03	AOC2-B4-W5	Tetrachloro-m-xylene	1	20	21.1	106		40	162
		Decachlorobiphenyl	1	20	20.9	105		32	176
		Tetrachloro-m-xylene	2	20	23.3	117		40	162
		Decachlorobiphenyl	2	20	24.1	120		32	176
I.BLK-PO091316.D	PIBLK-PO091316.D	Tetrachloro-m-xylene	1	20	20.3	102		60	140
		Decachlorobiphenyl	1	20	19.7	99		60	140
		Tetrachloro-m-xylene	2	20	23.5	118		60	140
		Decachlorobiphenyl	2	20	23.5	117		60	140
N6024-01MS	TP-QMS	Tetrachloro-m-xylene	1	20	20.3	102		40	162
		Decachlorobiphenyl	1	20	15.5	78		32	176
		Tetrachloro-m-xylene	2	20	21.4	107		40	162
		Decachlorobiphenyl	2	20	18.1	90		32	176
N6024-01MSD	TP-QMSD	Tetrachloro-m-xylene	1	20	20.3	102		40	162
		Decachlorobiphenyl	1	20	15.7	78		32	176
		Tetrachloro-m-xylene	2	20	21.4	107		40	162
		Decachlorobiphenyl	2	20	18.2	91		32	176
I.BLK-PO091327.D	PIBLK-PO091327.D	Tetrachloro-m-xylene	1	20	21.3	107		60	140
		Decachlorobiphenyl	1	20	20.9	105		60	140
		Tetrachloro-m-xylene	2	20	24.1	120		60	140



Surrogate Summary

SDG No.: N5992
Client: Remington & Vernick Engineers
Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
IBLK-PO091327.D	PIBLK-PO091327.D	Decachlorobiphenyl	2	20	24.9	124		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A

DataFile : PO091317.D

Lab Sample ID:		Parameter	Spike	Sample Result	Result	Units	Rec	Qual	RPD	Qual	Low	Limits High	RPD
Client Sample ID:		TP-QMS											
N6024-01MS		AR1016	188.2	0	181	ug/kg	96				70	142	
		AR1260	188.2	0	162	ug/kg	86				50	147	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A

DataFile : PO091318.D

Lab Sample ID:		Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:		TP-QMSD											
N6024-01MSD		AR1016	188.3	0	182	ug/kg	97		1		70	142	20
		AR1260	188.3	0	163	ug/kg	87		1		50	147	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A Datafile : PO091303.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB149582BS	AR1016	166.5	140	ug/kg	84				71	120		
	AR1260	166.5	138	ug/kg	83				65	130		

4C
PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB149582BL

Lab Name: CHEMTECH

Contract: REMI02

Lab Code: CHEM Case No.: N5992

SAS No.: N5992 SDG NO.: N5992

Lab Sample ID: PB149582BL

Lab File ID: PO091302.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 12/13/2022

Date Analyzed (1): 12/13/2022

Date Analyzed (2): 12/13/2022

Time Analyzed (1): 14:47

Time Analyzed (2): 14:47

Instrument ID (1): ECD_O

Instrument ID (2): ECD_O

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
PB149582BS	PB149582BS	PO091303.D	12/13/2022	12/13/2022
AOC2-B4-V1	N5992-01	PO091304.D	12/13/2022	12/13/2022
AOC2-B4-S5	N5992-02	PO091305.D	12/13/2022	12/13/2022
AOC2-B4-W5	N5992-03	PO091306.D	12/13/2022	12/13/2022
TP-QMS	N6024-01MS	PO091317.D	12/13/2022	12/13/2022
TP-QMSD	N6024-01MSD	PO091318.D	12/13/2022	12/13/2022

COMMENTS: _____

QC SAMPLE DATA

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	
Client Sample ID:	PB149582BL	SDG No.:	N5992
Lab Sample ID:	PB149582BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01 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
PO091302.D	1	12/13/22 09:15	12/13/22 14:47	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.00	U	3.00	17.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	17.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.0	ug/kg
53469-21-9	Aroclor-1242	2.40	U	2.40	17.0	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	17.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	17.0	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	17.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	17.0	ug/kg
11096-82-5	Aroclor-1260	3.20	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	5.70	U	5.70	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		40 - 162	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		32 - 176	106%	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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/25/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	11/25/22
Client Sample ID:	PIBLK-PO090933.D	SDG No.:	N5992
Lab Sample ID:	I.BLK-PO090933.D	Matrix:	WATER
Analytical Method:	SW8082A	% Solid:	0
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
PO090933.D	1		11/25/22	PO112522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	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	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		60 - 140	108%	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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/13/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/13/22	
Client Sample ID:	PIBLK-PO091301.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO091301.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
PO091301.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	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	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/13/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/13/22	
Client Sample ID:	PIBLK-PO091316.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO091316.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
PO091316.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	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	20.3		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		60 - 140	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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/13/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/13/22	
Client Sample ID:	PIBLK-PO091327.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO091327.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
PO091327.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	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	21.3		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		60 - 140	105%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	
Client Sample ID:	PB149582BS	SDG No.:	N5992
Lab Sample ID:	PB149582BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.03 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
PO091303.D	1	12/13/22 09:15	12/13/22 15:04	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	140		3.00	17.0	ug/kg
11104-28-2	Aroclor-1221	4.70	U	4.70	17.0	ug/kg
11141-16-5	Aroclor-1232	3.90	U	3.90	17.0	ug/kg
53469-21-9	Aroclor-1242	2.40	U	2.40	17.0	ug/kg
12672-29-6	Aroclor-1248	3.00	U	3.00	17.0	ug/kg
11097-69-1	Aroclor-1254	4.20	U	4.20	17.0	ug/kg
37324-23-5	Aroclor-1262	3.30	U	3.30	17.0	ug/kg
11100-14-4	Aroclor-1268	5.70	U	5.70	17.0	ug/kg
11096-82-5	Aroclor-1260	138		3.20	17.0	ug/kg
Total PCBs	Total PCBs	277		6.20	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		40 - 162	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		32 - 176	115%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/12/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/12/22
Client Sample ID:	TP-QMS	SDG No.:	N5992
Lab Sample ID:	N6024-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.3
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
PO091317.D	1	12/13/22 09:15	12/13/22 19:59	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	181		3.40	19.2	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	19.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.2	ug/kg
53469-21-9	Aroclor-1242	2.70	U	2.70	19.2	ug/kg
12672-29-6	Aroclor-1248	3.40	U	3.40	19.2	ug/kg
11097-69-1	Aroclor-1254	4.80	U	4.80	19.2	ug/kg
37324-23-5	Aroclor-1262	3.80	U	3.80	19.2	ug/kg
11100-14-4	Aroclor-1268	6.50	U	6.50	19.2	ug/kg
11096-82-5	Aroclor-1260	162		3.70	19.2	ug/kg
Total PCBs	Total PCBs	343		7.10	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		40 - 162	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		32 - 176	90%	SPK: 20

Comments:

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MDL = Method Detection Limit

LOD = Limit of Detection

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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

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Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/12/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/12/22
Client Sample ID:	TP-QMSD	SDG No.:	N5992
Lab Sample ID:	N6024-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	88.3
Sample Wt/Vol:	30.07 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
PO091318.D	1	12/13/22 09:15	12/13/22 20:16	PB149582

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	182		3.40	19.2	ug/kg
11104-28-2	Aroclor-1221	5.30	U	5.30	19.2	ug/kg
11141-16-5	Aroclor-1232	4.40	U	4.40	19.2	ug/kg
53469-21-9	Aroclor-1242	2.70	U	2.70	19.2	ug/kg
12672-29-6	Aroclor-1248	3.40	U	3.40	19.2	ug/kg
11097-69-1	Aroclor-1254	4.80	U	4.80	19.2	ug/kg
37324-23-5	Aroclor-1262	3.80	U	3.80	19.2	ug/kg
11100-14-4	Aroclor-1268	6.50	U	6.50	19.2	ug/kg
11096-82-5	Aroclor-1260	163		3.70	19.2	ug/kg
Total PCBs	Total PCBs	345		7.10	19.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		40 - 162	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		32 - 176	91%	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

CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Instrument ID: ECD_O Calibration Date(s): 11/25/2022 11/26/2022

Calibration Times: 20:41 04:21

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

LAB FILE ID: RT 1000 = PO090934.D RT 750 = PO090935.D

RT 500 = PO090936.D RT 250 = PO090937.D RT 050 = PO090938.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO
Aroclor-1016-1 (1)	5.48	5.48	5.48	5.48	5.48	5.48	5.38 5.58
Aroclor-1016-2 (2)	5.50	5.50	5.50	5.50	5.50	5.50	5.40 5.60
Aroclor-1016-3 (3)	5.56	5.56	5.56	5.56	5.56	5.56	5.46 5.66
Aroclor-1016-4 (4)	5.66	5.66	5.66	5.66	5.66	5.66	5.56 5.76
Aroclor-1016-5 (5)	5.96	5.96	5.96	5.96	5.96	5.96	5.86 6.06
Aroclor-1260-1 (1)	7.09	7.09	7.09	7.09	7.09	7.09	6.99 7.19
Aroclor-1260-2 (2)	7.35	7.35	7.35	7.35	7.35	7.35	7.25 7.45
Aroclor-1260-3 (3)	7.71	7.71	7.71	7.71	7.71	7.71	7.61 7.81
Aroclor-1260-4 (4)	7.94	7.94	7.94	7.94	7.94	7.94	7.84 8.04
Aroclor-1260-5 (5)	8.26	8.26	8.26	8.26	8.26	8.26	8.16 8.36
Decachlorobiphenyl	10.05	10.05	10.05	10.05	10.05	10.05	9.95 10.15
Tetrachloro-m-xylene	4.30	4.30	4.30	4.30	4.30	4.30	4.20 4.40
Aroclor-1242-1 (1)	5.48	5.48	5.48	5.48	5.48	5.48	5.38 5.58
Aroclor-1242-2 (2)	5.50	5.50	5.50	5.50	5.50	5.50	5.40 5.60
Aroclor-1242-3 (3)	5.56	5.56	5.56	5.56	5.56	5.56	5.46 5.66
Aroclor-1242-4 (4)	5.66	5.66	5.66	5.66	5.66	5.66	5.56 5.76
Aroclor-1242-5 (5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30 6.50
Decachlorobiphenyl	10.05	10.05	10.05	10.05	10.05	10.05	9.95 10.15
Tetrachloro-m-xylene	4.30	4.30	4.30	4.30	4.30	4.30	4.20 4.40
Aroclor-1248-1 (1)	5.48	5.48	5.48	5.48	5.48	5.48	5.38 5.58
Aroclor-1248-2 (2)	5.75	5.75	5.75	5.75	5.75	5.75	5.65 5.85
Aroclor-1248-3 (3)	5.96	5.96	5.96	5.96	5.96	5.96	5.86 6.06
Aroclor-1248-4 (4)	6.36	6.36	6.36	6.36	6.36	6.36	6.26 6.46
Aroclor-1248-5 (5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30 6.50
Decachlorobiphenyl	10.05	10.05	10.05	10.05	10.05	10.05	9.95 10.15
Tetrachloro-m-xylene	4.30	4.30	4.30	4.30	4.30	4.30	4.20 4.40
Aroclor-1268-1 (1)	8.56	8.56	8.56	8.56	8.56	8.56	8.46 8.66
Aroclor-1268-2 (2)	8.66	8.66	8.66	8.66	8.66	8.66	8.56 8.76
Aroclor-1268-3 (3)	8.88	8.88	8.88	8.88	8.88	8.88	8.78 8.98
Aroclor-1268-4 (4)	9.30	9.30	9.30	9.30	9.30	9.30	9.20 9.40
Aroclor-1268-5 (5)	9.71	9.71	9.71	9.72	9.71	9.71	9.61 9.81
Decachlorobiphenyl	10.05	10.05	10.05	10.05	10.05	10.05	9.95 10.15
Tetrachloro-m-xylene	4.30	4.30	4.30	4.30	4.30	4.30	4.20 4.40

RETENTION TIMES OF INITIAL CALIBRATION

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Instrument ID: ECD_O Calibration Date(s): 11/25/2022 11/26/2022

Calibration Times: 20:41 04:21

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

LAB FILE ID: RT 1000 = PO090934.D RT 750 = PO090935.D

RT 500 = PO090936.D RT 250 = PO090937.D RT 050 = PO090938.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1016-2 (2)	4.58	4.58	4.58	4.58	4.58	4.58	4.48	4.68
Aroclor-1016-3 (3)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1016-4 (4)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1016-5 (5)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1260-1 (1)	6.05	6.05	6.05	6.05	6.05	6.05	5.95	6.15
Aroclor-1260-2 (2)	6.24	6.24	6.24	6.24	6.24	6.24	6.14	6.34
Aroclor-1260-3 (3)	6.40	6.40	6.39	6.39	6.39	6.39	6.29	6.49
Aroclor-1260-4 (4)	6.87	6.87	6.87	6.87	6.87	6.87	6.77	6.97
Aroclor-1260-5 (5)	7.11	7.11	7.11	7.11	7.11	7.11	7.01	7.21
Decachlorobiphenyl	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
Tetrachloro-m-xylene	3.48	3.48	3.48	3.48	3.48	3.48	3.38	3.58
Aroclor-1242-1 (1)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1242-2 (2)	4.58	4.58	4.58	4.58	4.58	4.58	4.48	4.68
Aroclor-1242-3 (3)	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86
Aroclor-1242-4 (4)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1242-5 (5)	5.37	5.37	5.37	5.37	5.37	5.37	5.27	5.47
Decachlorobiphenyl	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
Tetrachloro-m-xylene	3.48	3.48	3.48	3.48	3.48	3.48	3.38	3.58
Aroclor-1248-1 (1)	4.56	4.56	4.56	4.56	4.56	4.56	4.46	4.66
Aroclor-1248-2 (2)	4.80	4.80	4.80	4.80	4.80	4.80	4.70	4.90
Aroclor-1248-3 (3)	4.84	4.84	4.84	4.84	4.84	4.84	4.74	4.94
Aroclor-1248-4 (4)	5.01	5.01	5.01	5.01	5.01	5.01	4.91	5.11
Aroclor-1248-5 (5)	5.41	5.41	5.41	5.41	5.41	5.41	5.31	5.51
Decachlorobiphenyl	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
Tetrachloro-m-xylene	3.48	3.48	3.48	3.48	3.48	3.48	3.38	3.58
Aroclor-1268-1 (1)	7.40	7.40	7.40	7.40	7.40	7.40	7.30	7.50
Aroclor-1268-2 (2)	7.46	7.46	7.46	7.46	7.46	7.46	7.36	7.56
Aroclor-1268-3 (3)	7.67	7.67	7.67	7.67	7.67	7.67	7.57	7.77
Aroclor-1268-4 (4)	7.96	7.96	7.96	7.96	7.96	7.96	7.86	8.06
Aroclor-1268-5 (5)	8.24	8.24	8.24	8.24	8.24	8.24	8.14	8.34
Decachlorobiphenyl	8.48	8.48	8.48	8.48	8.48	8.48	8.38	8.58
Tetrachloro-m-xylene	3.48	3.48	3.48	3.48	3.48	3.48	3.38	3.58

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: REMI02
Lab Code: CHEM **Case No.:** N5992 **SAS No.:** N5992 **SDG NO.:** N5992
Instrument ID: ECD_O **Calibration Date(s):** 11/25/2022 11/26/2022
Calibration Times: 20:41 04:21
GC Column: ZB-MR1 **ID:** 0.32 (mm)

LAB FILE ID: CF 1000 = <u>PO090934.D</u> CF 750 = <u>PO090935.D</u> CF 500 = <u>PO090936.D</u> CF 250 = <u>PO090937.D</u> CF 050 = <u>PO090938.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	106854042	111481239	115242532	118660092	110426580	112532897
Aroclor-1016-2	(2)	156084849	159605499	166747958	171269892	159184300	162578500
Aroclor-1016-3	(3)	95016165	99053503	104683820	117466180	105078860	104259706
Aroclor-1016-4	(4)	77143762	79387079	83196226	86315380	79119840	81032457
Aroclor-1016-5	(5)	77484548	81211693	85999388	102529260	91247940	87694566
Aroclor-1260-1	(1)	140897643	146695863	153703128	168976672	156761420	153406945
Aroclor-1260-2	(2)	162707985	168768947	176354108	183940604	180943580	174543045
Aroclor-1260-3	(3)	106665355	110511764	115587788	118719744	116884760	113673882
Aroclor-1260-4	(4)	127596674	132551059	138039620	143528344	135828240	135508787
Aroclor-1260-5	(5)	242666815	248620773	255719552	263403336	259598520	254001799
Decachlorobiphenyl		2549505130	2609073480	2714211800	2801618480	2606566200	2656195018
Tetrachloro-m-xylene		3377303670	3425982653	3502530020	3522997920	3076712200	3381105293
Aroclor-1242-1	(1)	84591037	87049721	91002128	96044636	87598980	89257300
Aroclor-1242-2	(2)	122519629	125426057	128567482	135420632	122909820	126968724
Aroclor-1242-3	(3)	75857635	81649764	86498072	86461076	86335340	83360377
Aroclor-1242-4	(4)	61338781	62949653	65234270	67593856	60512560	63525824
Aroclor-1242-5	(5)	63285468	68956228	72943308	70451932	66018660	68331119
Decachlorobiphenyl		2574954830	2691893187	2809591520	2895080760	2648135800	2723931219
Tetrachloro-m-xylene		3535472120	3581510093	3620957360	3620305360	3071362200	3485921427
Aroclor-1248-1	(1)	67399103	70785529	73027136	76724684	68229180	71233126
Aroclor-1248-2	(2)	92257256	96471665	107423956	112560956	121332020	106009171
Aroclor-1248-3	(3)	105651902	109793580	115906840	119977424	137077480	117681445
Aroclor-1248-4	(4)	113030907	117339501	122218722	126356308	132494160	122287920
Aroclor-1248-5	(5)	109630219	112907867	117186584	120634368	113123680	114696544
Decachlorobiphenyl		2647519410	2739659840	2860269620	2957960720	2658849000	2772851718
Tetrachloro-m-xylene		3575452090	3638182773	3652518020	3641447680	3037500000	3509020113
Aroclor-1268-1	(1)	354374176	372351213	375014764	389438428	350003620	368236440
Aroclor-1268-2	(2)	321120638	337298059	340450352	352134116	311611780	332522989
Aroclor-1268-3	(3)	275448911	290091168	292788254	301902120	264273380	284900767
Aroclor-1268-4	(4)	119186854	126140732	127989394	132295324	111602140	123442889
Aroclor-1268-5	(5)	899675600	935500956	932119722	949187112	833371560	909970990
Decachlorobiphenyl		4347320920	4589072973	4668168520	4894672880	4436876800	4587222419
Tetrachloro-m-xylene		3484936310	3634866627	3609257880	3639484400	3068128000	3487334643

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Instrument ID: ECD_O

Calibration Date(s): 11/25/2022 11/26/2022

Calibration Times: 20:41 04:21

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

LAB FILE ID: CF 1000 = PO090934.D CF 750 = PO090935.D CF 500 = PO090936.D CF 250 = PO090937.D CF 050 = PO090938.D							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	34595131	35598599	37182726	39531024	37352480	36851992
Aroclor-1016-2	(2)	49075774	51016393	53169484	54730124	49654340	51529223
Aroclor-1016-3	(3)	26357285	27116936	28353826	27421568	26827600	27215443
Aroclor-1016-4	(4)	21775956	22781533	23914420	23455456	23650080	23115489
Aroclor-1016-5	(5)	27788411	29033116	30724364	31101428	28835920	29496648
Aroclor-1260-1	(1)	53463942	55564911	58596346	62192448	59693300	57902189
Aroclor-1260-2	(2)	63247481	65722315	69594558	73969296	68896440	68286018
Aroclor-1260-3	(3)	60038693	62006117	65487632	68530724	71902400	65593113
Aroclor-1260-4	(4)	44671864	46565905	48706388	50894448	47961320	47759985
Aroclor-1260-5	(5)	103936323	106576409	110457460	113444516	109146980	108712338
Decachlorobiphenyl		910413550	943185253	987655040	1044541440	968561600	970871377
Tetrachloro-m-xylene		1074212730	1028773053	1119241440	1060832680	964742400	1049560461
Aroclor-1242-1	(1)	27307860	28335383	29443854	31889884	28206180	29036632
Aroclor-1242-2	(2)	38375668	39653469	41027430	43378120	39116040	40310145
Aroclor-1242-3	(3)	20860742	20831503	21199176	22863132	18808960	20912703
Aroclor-1242-4	(4)	21826984	22355471	23140740	25032196	21815540	22834186
Aroclor-1242-5	(5)	26916812	28070315	29370244	30864376	25853960	28215141
Decachlorobiphenyl		935178660	976245267	1016643260	1082212520	1000296000	1002115141
Tetrachloro-m-xylene		1115140020	1135181787	1147846580	1170249880	994748800	1112633413
Aroclor-1248-1	(1)	22129404	23215576	24289584	24908116	23086300	23525796
Aroclor-1248-2	(2)	30812273	32224393	33745478	35620988	31296460	32739918
Aroclor-1248-3	(3)	31789630	33270783	34799922	36599636	33239140	33939822
Aroclor-1248-4	(4)	37555889	39041604	41100042	42815108	38999000	39902329
Aroclor-1248-5	(5)	34743653	36079901	37803158	39091544	31506980	35845047
Decachlorobiphenyl		959267770	992684653	1042514620	1100481120	1011846400	1021358913
Tetrachloro-m-xylene		1127850870	1147697720	1165392280	1159184800	975241600	1115073454
Aroclor-1268-1	(1)	141632934	149226852	151915134	156511024	146536780	149164545
Aroclor-1268-2	(2)	129189549	136189855	136379064	141468200	128631100	134371554
Aroclor-1268-3	(3)	108711433	114670044	117020084	123595720	113101640	115419784
Aroclor-1268-4	(4)	46507335	49480308	51320984	53198908	46161680	49333843
Aroclor-1268-5	(5)	327573873	342559536	345905390	354165324	322703160	338581457
Decachlorobiphenyl		1571001620	1653804280	1696461660	1806704920	1674687200	1680531936
Tetrachloro-m-xylene		1099750750	1148159960	1145658660	1148412520	927046000	1093805578

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Instrument ID: ECD_O Date(s) Analyzed: 11/25/2022 11/26/2022

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.51	4.41	4.61	40852800
		2	4.60	4.50	4.70	30331600
		3	4.67	4.57	4.77	92000600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.67	4.57	4.77	71951200
		2	5.21	5.11	5.31	43323200
		3	5.50	5.40	5.60	74720800
		4	5.66	5.56	5.76	37476400
		5	5.75	5.65	5.85	29903600
Aroclor-1254	500	1	6.34	6.24	6.44	129254000
		2	6.56	6.46	6.66	197008000
		3	6.93	6.83	7.03	196492000
		4	7.21	7.11	7.31	144588000
		5	7.64	7.54	7.74	161211000
Aroclor-1262	500	1	7.71	7.61	7.81	182711000
		2	8.26	8.16	8.36	309336000
		3	8.57	8.47	8.67	215604000
		4	8.65	8.55	8.75	99540400
		5	9.30	9.20	9.40	115430000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Instrument ID: ECD_O Date(s) Analyzed: 11/25/2022 11/26/2022

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.69	3.59	3.79	13180400
		2	3.77	3.67	3.87	9942780
		3	3.85	3.75	3.95	31057600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	3.85	3.75	3.95	23893000
		2	4.58	4.48	4.68	24151000
		3	4.76	4.66	4.86	12659600
		4	4.84	4.74	4.94	12087600
		5	5.01	4.91	5.11	13525200
Aroclor-1254	500	1	5.37	5.27	5.47	59417200
		2	5.52	5.42	5.62	54303400
		3	5.92	5.82	6.02	83822800
		4	6.15	6.05	6.25	50851200
		5	6.57	6.47	6.67	76795400
Aroclor-1262	500	1	6.61	6.51	6.71	75162600
		2	7.11	7.01	7.21	127300000
		3	7.40	7.30	7.50	52697600
		4	7.46	7.36	7.56	94976400
		5	7.96	7.86	8.06	45608000

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 13:22 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.47	5.48	5.38	5.58	0.01
Aroclor-1016-2	(2)	5.50	5.50	5.40	5.60	0.01
Aroclor-1016-3	(3)	5.56	5.56	5.46	5.66	0.00
Aroclor-1016-4	(4)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-5	(5)	5.95	5.96	5.86	6.06	0.01
Aroclor-1260-1	(1)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-2	(2)	7.35	7.35	7.25	7.45	0.00
Aroclor-1260-3	(3)	7.71	7.71	7.61	7.81	0.00
Aroclor-1260-4	(4)	7.94	7.94	7.84	8.04	0.01
Aroclor-1260-5	(5)	8.25	8.26	8.16	8.36	0.01
Tetrachloro-m-xylene		4.30	4.30	4.20	4.40	0.00
Decachlorobiphenyl		10.04	10.05	9.95	10.15	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 13:22 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND	CCAL RT	AVG RT	RT WINDOW		DIFF RT
			FROM	TO	
Aroclor-1016-1 (1)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-2 (2)	4.58	4.58	4.48	4.68	0.00
Aroclor-1016-3 (3)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-4 (4)	4.80	4.80	4.70	4.90	0.00
Aroclor-1016-5 (5)	5.01	5.01	4.91	5.11	0.00
Aroclor-1260-1 (1)	6.05	6.05	5.95	6.15	0.00
Aroclor-1260-2 (2)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-3 (3)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-4 (4)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-5 (5)	7.11	7.11	7.01	7.21	0.00
Tetrachloro-m-xylene	3.47	3.48	3.38	3.58	0.01
Decachlorobiphenyl	8.47	8.48	8.38	8.58	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL01 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091297.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.473	5.375	5.575	460.160	500.000	-8.0
Aroclor-1016-2	5.495	5.397	5.597	455.230	500.000	-9.0
Aroclor-1016-3	5.557	5.459	5.659	445.330	500.000	-10.9
Aroclor-1016-4	5.656	5.558	5.758	454.990	500.000	-9.0
Aroclor-1016-5	5.954	5.856	6.056	436.880	500.000	-12.6
Aroclor-1260-1	7.088	6.992	7.192	446.110	500.000	-10.8
Aroclor-1260-2	7.348	7.251	7.451	442.470	500.000	-11.5
Aroclor-1260-3	7.709	7.613	7.813	456.280	500.000	-8.7
Aroclor-1260-4	7.935	7.839	8.039	468.290	500.000	-6.3
Aroclor-1260-5	8.251	8.156	8.356	436.890	500.000	-12.6
Decachlorobiphenyl	10.044	9.950	10.150	42.680	50.000	-14.6
Tetrachloro-m-xylene	4.296	4.198	4.398	46.090	50.000	-7.8

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL01 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091297.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.558	4.463	4.663	492.800	500.000	-1.4
Aroclor-1016-2	4.576	4.481	4.681	500.470	500.000	0.1
Aroclor-1016-3	4.752	4.657	4.857	508.450	500.000	1.7
Aroclor-1016-4	4.795	4.700	4.900	483.410	500.000	-3.3
Aroclor-1016-5	5.008	4.913	5.113	525.870	500.000	5.2
Aroclor-1260-1	6.045	5.952	6.152	496.260	500.000	-0.7
Aroclor-1260-2	6.235	6.142	6.342	497.040	500.000	-0.6
Aroclor-1260-3	6.388	6.294	6.494	477.720	500.000	-4.5
Aroclor-1260-4	6.862	6.769	6.969	492.230	500.000	-1.6
Aroclor-1260-5	7.106	7.014	7.214	487.610	500.000	-2.5
Decachlorobiphenyl	8.473	8.382	8.582	48.800	50.000	-2.4
Tetrachloro-m-xylene	3.473	3.376	3.576	48.570	50.000	-2.9

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 18:34 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.47	5.48	5.38	5.58	0.01
Aroclor-1016-2	(2)	5.49	5.50	5.40	5.60	0.01
Aroclor-1016-3	(3)	5.56	5.56	5.46	5.66	0.00
Aroclor-1016-4	(4)	5.65	5.66	5.56	5.76	0.01
Aroclor-1016-5	(5)	5.95	5.96	5.86	6.06	0.01
Aroclor-1260-1	(1)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-2	(2)	7.35	7.35	7.25	7.45	0.01
Aroclor-1260-3	(3)	7.71	7.71	7.61	7.81	0.00
Aroclor-1260-4	(4)	7.93	7.94	7.84	8.04	0.01
Aroclor-1260-5	(5)	8.25	8.26	8.16	8.36	0.01
Tetrachloro-m-xylene		4.30	4.30	4.20	4.40	0.00
Decachlorobiphenyl		10.04	10.05	9.95	10.15	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 18:34 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-2	(2)	4.58	4.58	4.48	4.68	0.01
Aroclor-1016-3	(3)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-4	(4)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-5	(5)	5.01	5.01	4.91	5.11	0.00
Aroclor-1260-1	(1)	6.04	6.05	5.95	6.15	0.01
Aroclor-1260-2	(2)	6.23	6.24	6.14	6.34	0.01
Aroclor-1260-3	(3)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-4	(4)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-5	(5)	7.11	7.11	7.01	7.21	0.00
Tetrachloro-m-xylene		3.47	3.48	3.38	3.58	0.01
Decachlorobiphenyl		8.47	8.48	8.38	8.58	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL02 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091312.D Time Analyzed: 18:34

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.472	5.375	5.575	454.380	500.000	-9.1
Aroclor-1016-2	5.493	5.397	5.597	448.050	500.000	-10.4
Aroclor-1016-3	5.556	5.459	5.659	439.690	500.000	-12.1
Aroclor-1016-4	5.654	5.558	5.758	441.950	500.000	-11.6
Aroclor-1016-5	5.952	5.856	6.056	430.230	500.000	-14.0
Aroclor-1260-1	7.087	6.992	7.192	433.100	500.000	-13.4
Aroclor-1260-2	7.345	7.251	7.451	432.720	500.000	-13.5
Aroclor-1260-3	7.707	7.613	7.813	441.720	500.000	-11.7
Aroclor-1260-4	7.933	7.839	8.039	441.060	500.000	-11.8
Aroclor-1260-5	8.249	8.156	8.356	419.310	500.000	-16.1
Decachlorobiphenyl	10.039	9.950	10.150	41.570	50.000	-16.9
Tetrachloro-m-xylene	4.295	4.198	4.398	47.520	50.000	-5.0

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL02 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091312.D Time Analyzed: 18:34

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.557	4.463	4.663	516.810	500.000	3.4
Aroclor-1016-2	4.575	4.481	4.681	524.800	500.000	5.0
Aroclor-1016-3	4.750	4.657	4.857	524.390	500.000	4.9
Aroclor-1016-4	4.794	4.700	4.900	488.750	500.000	-2.3
Aroclor-1016-5	5.008	4.913	5.113	555.270	500.000	11.1
Aroclor-1260-1	6.044	5.952	6.152	509.510	500.000	1.9
Aroclor-1260-2	6.234	6.142	6.342	505.530	500.000	1.1
Aroclor-1260-3	6.387	6.294	6.494	474.880	500.000	-5.0
Aroclor-1260-4	6.861	6.769	6.969	494.130	500.000	-1.2
Aroclor-1260-5	7.106	7.014	7.214	479.690	500.000	-4.1
Decachlorobiphenyl	8.472	8.382	8.582	48.500	50.000	-3.0
Tetrachloro-m-xylene	3.473	3.376	3.576	50.990	50.000	2.0

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 22:10 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.47	5.48	5.38	5.58	0.01
Aroclor-1016-2	(2)	5.49	5.50	5.40	5.60	0.01
Aroclor-1016-3	(3)	5.56	5.56	5.46	5.66	0.00
Aroclor-1016-4	(4)	5.66	5.66	5.56	5.76	0.00
Aroclor-1016-5	(5)	5.95	5.96	5.86	6.06	0.01
Aroclor-1260-1	(1)	7.09	7.09	6.99	7.19	0.00
Aroclor-1260-2	(2)	7.35	7.35	7.25	7.45	0.01
Aroclor-1260-3	(3)	7.71	7.71	7.61	7.81	0.00
Aroclor-1260-4	(4)	7.93	7.94	7.84	8.04	0.01
Aroclor-1260-5	(5)	8.25	8.26	8.16	8.36	0.01
Tetrachloro-m-xylene		4.30	4.30	4.20	4.40	0.00
Decachlorobiphenyl		10.04	10.05	9.95	10.15	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Continuing Calib Date: 12/13/2022 Initial Calibration Date(s): 11/25/2022 11/26/2022

Continuing Calib Time: 22:10 Initial Calibration Time(s): 20:41 04:21

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.56	4.56	4.46	4.66	0.00
Aroclor-1016-2	(2)	4.58	4.58	4.48	4.68	0.01
Aroclor-1016-3	(3)	4.75	4.76	4.66	4.86	0.01
Aroclor-1016-4	(4)	4.79	4.80	4.70	4.90	0.01
Aroclor-1016-5	(5)	5.01	5.01	4.91	5.11	0.00
Aroclor-1260-1	(1)	6.04	6.05	5.95	6.15	0.01
Aroclor-1260-2	(2)	6.24	6.24	6.14	6.34	0.00
Aroclor-1260-3	(3)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-4	(4)	6.86	6.87	6.77	6.97	0.01
Aroclor-1260-5	(5)	7.11	7.11	7.01	7.21	0.00
Tetrachloro-m-xylene		3.47	3.48	3.38	3.58	0.01
Decachlorobiphenyl		8.47	8.48	8.38	8.58	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL03 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091323.D Time Analyzed: 22:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.472	5.375	5.575	480.070	500.000	-4.0
Aroclor-1016-2	5.494	5.397	5.597	475.880	500.000	-4.8
Aroclor-1016-3	5.556	5.459	5.659	463.140	500.000	-7.4
Aroclor-1016-4	5.655	5.558	5.758	469.650	500.000	-6.1
Aroclor-1016-5	5.952	5.856	6.056	466.090	500.000	-6.8
Aroclor-1260-1	7.086	6.992	7.192	460.740	500.000	-7.9
Aroclor-1260-2	7.345	7.251	7.451	453.790	500.000	-9.2
Aroclor-1260-3	7.708	7.613	7.813	467.550	500.000	-6.5
Aroclor-1260-4	7.934	7.839	8.039	473.220	500.000	-5.4
Aroclor-1260-5	8.251	8.156	8.356	435.810	500.000	-12.8
Decachlorobiphenyl	10.041	9.950	10.150	43.910	50.000	-12.2
Tetrachloro-m-xylene	4.295	4.198	4.398	48.180	50.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022

Client Sample No.: CCAL03 Date Analyzed: 12/13/2022

Lab Sample No.: AR1660CCC500 Data File : PO091323.D Time Analyzed: 22:10

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.556	4.463	4.663	520.980	500.000	4.2
Aroclor-1016-2	4.575	4.481	4.681	521.820	500.000	4.4
Aroclor-1016-3	4.750	4.657	4.857	524.140	500.000	4.8
Aroclor-1016-4	4.793	4.700	4.900	487.320	500.000	-2.5
Aroclor-1016-5	5.007	4.913	5.113	558.140	500.000	11.6
Aroclor-1260-1	6.044	5.952	6.152	527.910	500.000	5.6
Aroclor-1260-2	6.235	6.142	6.342	528.000	500.000	5.6
Aroclor-1260-3	6.387	6.294	6.494	500.320	500.000	0.1
Aroclor-1260-4	6.861	6.769	6.969	507.010	500.000	1.4
Aroclor-1260-5	7.105	7.014	7.214	503.150	500.000	0.6
Decachlorobiphenyl	8.472	8.382	8.582	50.510	50.000	1.0
Tetrachloro-m-xylene	3.472	3.376	3.576	50.710	50.000	1.4

Analytical Sequence

Client:	Remington & Vernick Engineers	SDG No.:	N5992
Project:	Wildwood DPW Storage Yard Site - # 0514T	Instrument ID:	ECD_O
GC Column:	ZB-MR1	ID:	0.32 (mm)
		Inst. Calib. Date(s):	11/25/2022 11/25/2022

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/25/2022	20:24	PO090933.D	10.05	4.30
AR1660ICC1000	AR1660ICC1000	11/25/2022	20:41	PO090934.D	10.05	4.30
AR1660ICC750	AR1660ICC750	11/25/2022	20:58	PO090935.D	10.05	4.30
AR1660ICC500	AR1660ICC500	11/25/2022	21:15	PO090936.D	10.05	4.30
AR1660ICC250	AR1660ICC250	11/25/2022	21:33	PO090937.D	10.05	4.30
AR1660ICC050	AR1660ICC050	11/25/2022	21:50	PO090938.D	10.05	4.30
AR1221ICC500	AR1221ICC500	11/25/2022	22:06	PO090939.D	10.05	4.30
AR1232ICC500	AR1232ICC500	11/25/2022	22:23	PO090940.D	10.05	4.30
AR1242ICC1000	AR1242ICC1000	11/25/2022	22:41	PO090941.D	10.05	4.30
AR1242ICC750	AR1242ICC750	11/25/2022	22:58	PO090942.D	10.05	4.30
AR1242ICC500	AR1242ICC500	11/25/2022	23:15	PO090943.D	10.05	4.30
AR1242ICC250	AR1242ICC250	11/25/2022	23:32	PO090944.D	10.05	4.30
AR1242ICC050	AR1242ICC050	11/25/2022	23:49	PO090945.D	10.05	4.30
AR1248ICC1000	AR1248ICC1000	11/26/2022	00:06	PO090946.D	10.05	4.30
AR1248ICC750	AR1248ICC750	11/26/2022	00:23	PO090947.D	10.05	4.30
AR1248ICC500	AR1248ICC500	11/26/2022	00:40	PO090948.D	10.05	4.30
AR1248ICC250	AR1248ICC250	11/26/2022	00:57	PO090949.D	10.05	4.30
AR1248ICC050	AR1248ICC050	11/26/2022	01:14	PO090950.D	10.05	4.30
AR1254ICC500	AR1254ICC500	11/26/2022	02:05	PO090953.D	10.05	4.30
AR1262ICC500	AR1262ICC500	11/26/2022	02:56	PO090956.D	10.05	4.30
AR1268ICC1000	AR1268ICC1000	11/26/2022	03:13	PO090957.D	10.05	4.30
AR1268ICC750	AR1268ICC750	11/26/2022	03:30	PO090958.D	10.05	4.30
AR1268ICC500	AR1268ICC500	11/26/2022	03:47	PO090959.D	10.05	4.30
AR1268ICC250	AR1268ICC250	11/26/2022	04:04	PO090960.D	10.05	4.30
AR1268ICC050	AR1268ICC050	11/26/2022	04:21	PO090961.D	10.05	4.30
AR1660CCC500	AR1660CCC500	12/13/2022	13:22	PO091297.D	10.04	4.30
IBLK	IBLK	12/13/2022	14:30	PO091301.D	10.04	4.30
PB149582BL	PB149582BL	12/13/2022	14:47	PO091302.D	10.04	4.30
PB149582BS	PB149582BS	12/13/2022	15:04	PO091303.D	10.04	4.30
AOC2-B4-V1	N5992-01	12/13/2022	15:21	PO091304.D	10.04	4.30
AOC2-B4-S5	N5992-02	12/13/2022	15:38	PO091305.D	10.04	4.30
AOC2-B4-W5	N5992-03	12/13/2022	15:55	PO091306.D	10.04	4.30
AR1660CCC500	AR1660CCC500	12/13/2022	18:34	PO091312.D	10.04	4.30
IBLK	IBLK	12/13/2022	19:42	PO091316.D	10.04	4.30
TP-QMS	N6024-01MS	12/13/2022	19:59	PO091317.D	10.04	4.30
TP-QMSD	N6024-01MSD	12/13/2022	20:16	PO091318.D	10.04	4.30
AR1660CCC500	AR1660CCC500	12/13/2022	22:10	PO091323.D	10.04	4.30
IBLK	IBLK	12/13/2022	23:18	PO091327.D	10.04	4.30

Analytical Sequence

Client: Remington & Vernick Engineers	SDG No.: N5992
Project: Wildwood DPW Storage Yard Site - # 0514T	Instrument ID: ECD_O
GC Column: ZB-MR2	ID: 0.32 (mm) Inst. Calib. Date(s): 11/25/2022 11/25/2022

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/25/2022	20:24	PO090933.D	8.48	3.48
AR1660ICC1000	AR1660ICC1000	11/25/2022	20:41	PO090934.D	8.48	3.48
AR1660ICC750	AR1660ICC750	11/25/2022	20:58	PO090935.D	8.48	3.48
AR1660ICC500	AR1660ICC500	11/25/2022	21:15	PO090936.D	8.48	3.48
AR1660ICC250	AR1660ICC250	11/25/2022	21:33	PO090937.D	8.48	3.48
AR1660ICC050	AR1660ICC050	11/25/2022	21:50	PO090938.D	8.48	3.48
AR1221ICC500	AR1221ICC500	11/25/2022	22:06	PO090939.D	8.48	3.48
AR1232ICC500	AR1232ICC500	11/25/2022	22:23	PO090940.D	8.48	3.48
AR1242ICC1000	AR1242ICC1000	11/25/2022	22:41	PO090941.D	8.48	3.48
AR1242ICC750	AR1242ICC750	11/25/2022	22:58	PO090942.D	8.48	3.48
AR1242ICC500	AR1242ICC500	11/25/2022	23:15	PO090943.D	8.48	3.48
AR1242ICC250	AR1242ICC250	11/25/2022	23:32	PO090944.D	8.48	3.48
AR1242ICC050	AR1242ICC050	11/25/2022	23:49	PO090945.D	8.48	3.48
AR1248ICC1000	AR1248ICC1000	11/26/2022	00:06	PO090946.D	8.48	3.48
AR1248ICC750	AR1248ICC750	11/26/2022	00:23	PO090947.D	8.48	3.48
AR1248ICC500	AR1248ICC500	11/26/2022	00:40	PO090948.D	8.48	3.48
AR1248ICC250	AR1248ICC250	11/26/2022	00:57	PO090949.D	8.48	3.48
AR1248ICC050	AR1248ICC050	11/26/2022	01:14	PO090950.D	8.48	3.48
AR1254ICC500	AR1254ICC500	11/26/2022	02:05	PO090953.D	8.48	3.48
AR1262ICC500	AR1262ICC500	11/26/2022	02:56	PO090956.D	8.48	3.48
AR1268ICC1000	AR1268ICC1000	11/26/2022	03:13	PO090957.D	8.48	3.48
AR1268ICC750	AR1268ICC750	11/26/2022	03:30	PO090958.D	8.48	3.48
AR1268ICC500	AR1268ICC500	11/26/2022	03:47	PO090959.D	8.48	3.48
AR1268ICC250	AR1268ICC250	11/26/2022	04:04	PO090960.D	8.48	3.48
AR1268ICC050	AR1268ICC050	11/26/2022	04:21	PO090961.D	8.48	3.48
AR1660CCC500	AR1660CCC500	12/13/2022	13:22	PO091297.D	8.47	3.47
IBLK	IBLK	12/13/2022	14:30	PO091301.D	8.47	3.47
PB149582BL	PB149582BL	12/13/2022	14:47	PO091302.D	8.47	3.47
PB149582BS	PB149582BS	12/13/2022	15:04	PO091303.D	8.47	3.47
AOC2-B4-V1	N5992-01	12/13/2022	15:21	PO091304.D	8.47	3.47
AOC2-B4-S5	N5992-02	12/13/2022	15:38	PO091305.D	8.48	3.47
AOC2-B4-W5	N5992-03	12/13/2022	15:55	PO091306.D	8.48	3.47
AR1660CCC500	AR1660CCC500	12/13/2022	18:34	PO091312.D	8.47	3.47
IBLK	IBLK	12/13/2022	19:42	PO091316.D	8.47	3.47
TP-QMS	N6024-01MS	12/13/2022	19:59	PO091317.D	8.47	3.47
TP-QMSD	N6024-01MSD	12/13/2022	20:16	PO091318.D	8.47	3.47
AR1660CCC500	AR1660CCC500	12/13/2022	22:10	PO091323.D	8.47	3.47
IBLK	IBLK	12/13/2022	23:18	PO091327.D	8.47	3.47

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB149582BS

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Lab Sample ID: PB149582BS Date(s) Analyzed: 12/13/2022 12/13/2022

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO091303.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.472	5.422	5.522	131	128	8.96
COLUMN 1	2	5.494	5.444	5.544	129		
	3	5.557	5.507	5.607	127		
	4	5.655	5.605	5.705	128		
	5	5.952	5.902	6.002	123		
COLUMN 2	1	4.558	4.508	4.608	138	140	
	2	4.577	4.527	4.627	137		
	3	4.752	4.702	4.802	140		
	4	4.796	4.746	4.846	143		
	5	5.008	4.958	5.058	140		
Aroclor-1260	1	7.087	7.037	7.137	126	127	8.3
COLUMN 1	2	7.346	7.296	7.396	128		
	3	7.708	7.658	7.758	130		
	4	7.934	7.884	7.984	131		
	5	8.251	8.201	8.301	121		
COLUMN 2	1	6.045	5.995	6.095	138	138	
	2	6.236	6.186	6.286	139		
	3	6.388	6.338	6.438	134		
	4	6.862	6.812	6.912	139		
	5	7.107	7.057	7.157	137		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-QMS

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Lab Sample ID: N6024-01MS Date(s) Analyzed: 12/13/2022 12/13/2022

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO091317.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.472	5.422	5.522	163	156	14.84
COLUMN 1	2	5.494	5.444	5.544	160		
	3	5.556	5.506	5.606	156		
	4	5.654	5.604	5.704	154		
	5	5.952	5.902	6.002	147		
	1	4.557	4.507	4.607	180		
COLUMN 2	2	4.575	4.525	4.625	180	181	
	3	4.75	4.7	4.8	182		
	4	4.794	4.744	4.844	184		
	5	5.006	4.956	5.056	177		
Aroclor-1260	1	7.086	7.036	7.136	143	144	11.76
COLUMN 1	2	7.345	7.295	7.395	148		
	3	7.707	7.657	7.757	144		
	4	7.933	7.883	7.983	151		
	5	8.25	8.2	8.3	135		
	1	6.044	5.994	6.094	168		
COLUMN 2	2	6.234	6.184	6.284	165	162	
	3	6.387	6.337	6.437	161		
	4	6.861	6.811	6.911	162		
	5	7.105	7.055	7.155	155		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-QMSD

Contract: REMI02

Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992

Lab Sample ID: N6024-01MSD Date(s) Analyzed: 12/13/2022 12/13/2022

Instrument ID (1): ECD_O Instrument ID (2): ECD_O

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

Data file PO091318.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.472	5.422	5.522	164	157	14.75
COLUMN 1	2	5.494	5.444	5.544	160		
	3	5.556	5.506	5.606	156		
	4	5.655	5.605	5.705	155		
	5	5.953	5.903	6.003	147		
COLUMN 2	1	4.557	4.507	4.607	180	182	
	2	4.576	4.526	4.626	180		
	3	4.751	4.701	4.801	184		
	4	4.795	4.745	4.845	185		
	5	5.008	4.958	5.058	180		
Aroclor-1260	1	7.087	7.037	7.137	144	144	12.38
COLUMN 1	2	7.346	7.296	7.396	148		
	3	7.708	7.658	7.758	145		
	4	7.934	7.884	7.984	148		
	5	8.25	8.2	8.3	137		
COLUMN 2	1	6.046	5.996	6.096	169	163	
	2	6.235	6.185	6.285	166		
	3	6.388	6.338	6.438	162		
	4	6.862	6.812	6.912	162		
	5	7.106	7.056	7.156	156		

SAMPLE RAW DATA

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091304.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 15:21
 Operator : YP/AJ
 Sample : N5992-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AOC2-B4-V1

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:51:09 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.296	3.473	68522310	23440468	20.266	22.334
2) SA Decachlor...	10.041	8.473	52212887	22675591	19.657	23.356

Target Compounds

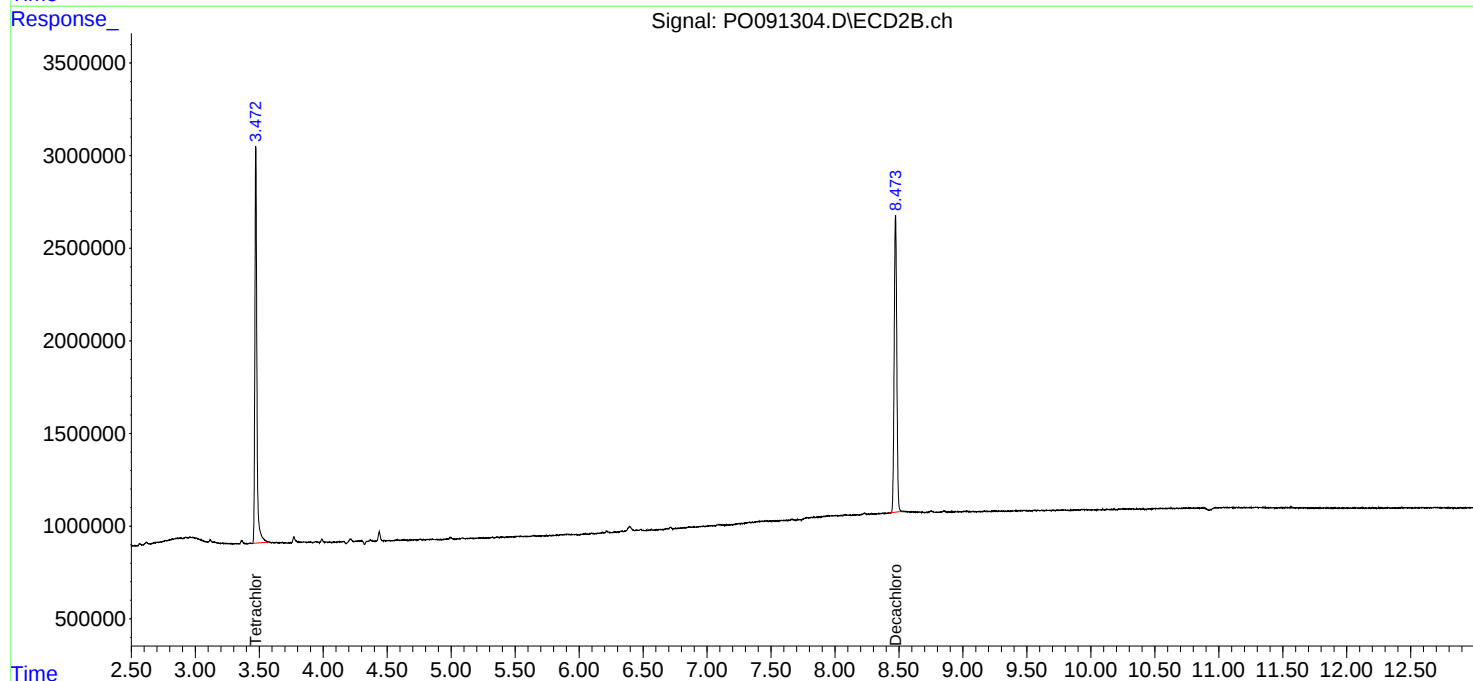
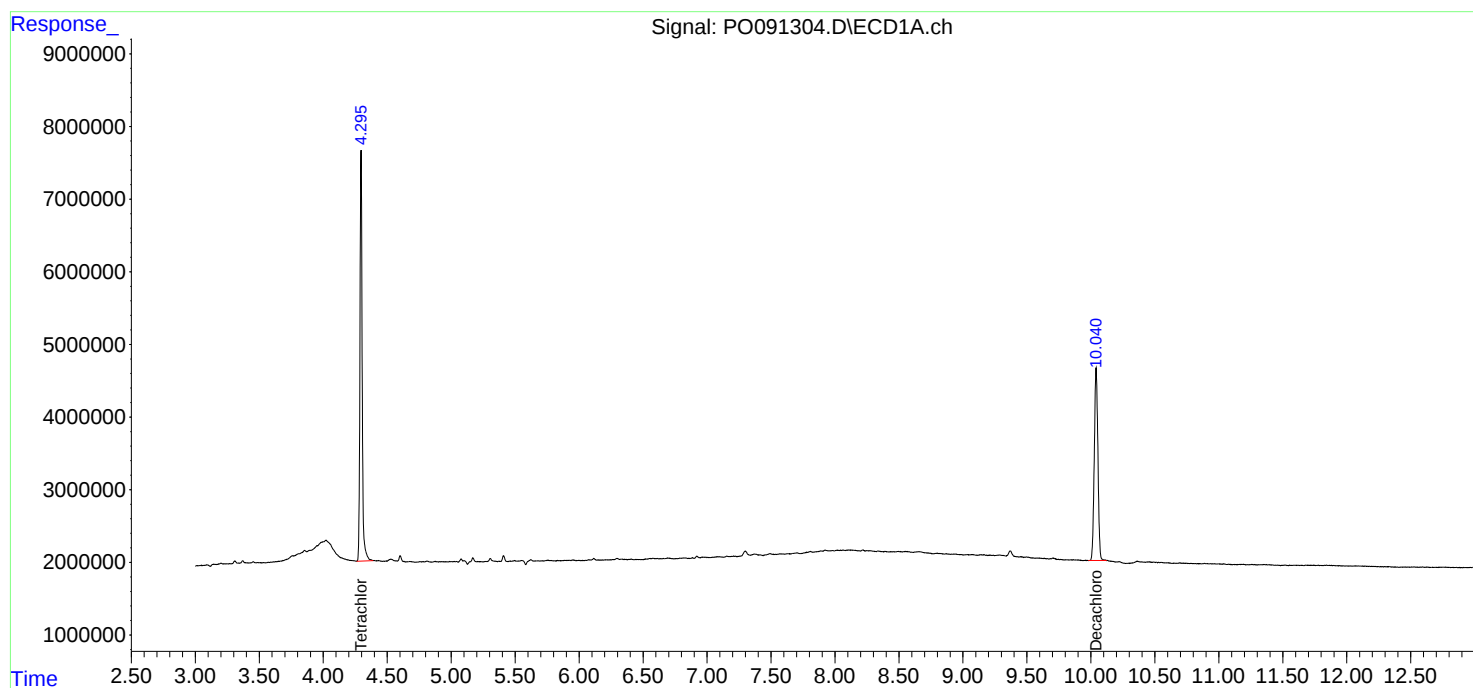
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:21
Operator : YP/AJ
Sample : N5992-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:51:09 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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

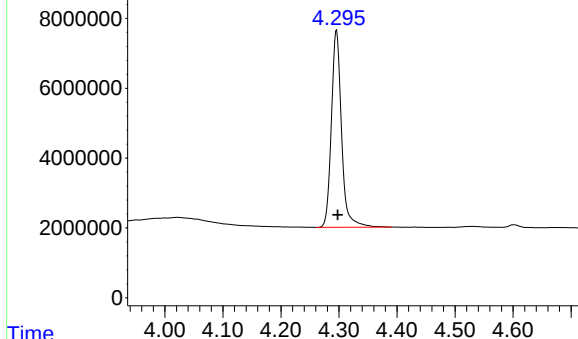


Response_ Signal: PO091304.D\ECD1A.ch

#1 Tetrachloro-m-xylene

R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 68522310
Conc: 20.27 ng/ml

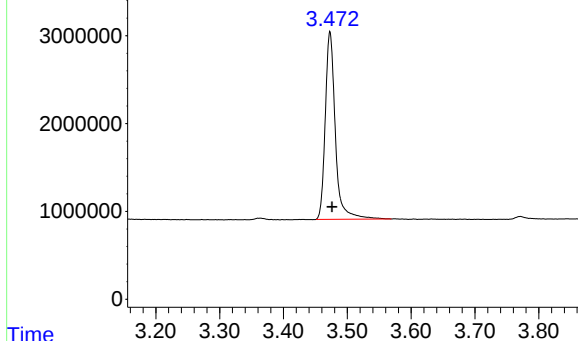
Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1



Time Response_ Signal: PO091304.D\ECD2B.ch

#1 Tetrachloro-m-xylene

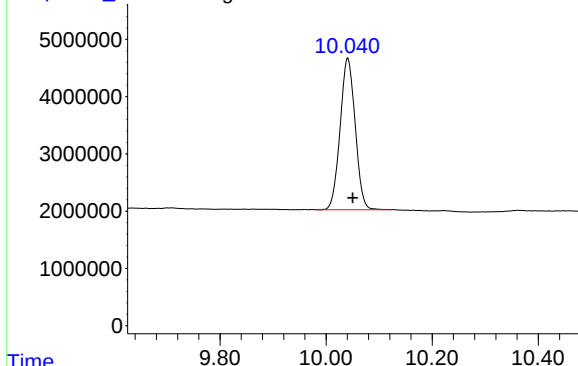
R.T.: 3.473 min
Delta R.T.: -0.003 min
Response: 23440468
Conc: 22.33 ng/ml



Time Response_ Signal: PO091304.D\ECD1A.ch

#2 Decachlorobiphenyl

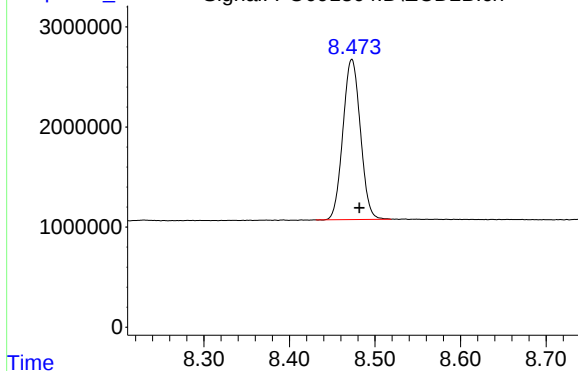
R.T.: 10.041 min
Delta R.T.: -0.009 min
Response: 52212887
Conc: 19.66 ng/ml



Time Response_ Signal: PO091304.D\ECD2B.ch

#2 Decachlorobiphenyl

R.T.: 8.473 min
Delta R.T.: -0.009 min
Response: 22675591
Conc: 23.36 ng/ml



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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091305.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 15:38
 Operator : YP/AJ
 Sample : N5992-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AOC2-B4-S5

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:51:37 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.296	3.472	71068693	24420557	21.019	23.267
2) SA Decachlor...	10.038	8.475	54905295	23408940	20.671	24.111

Target Compounds

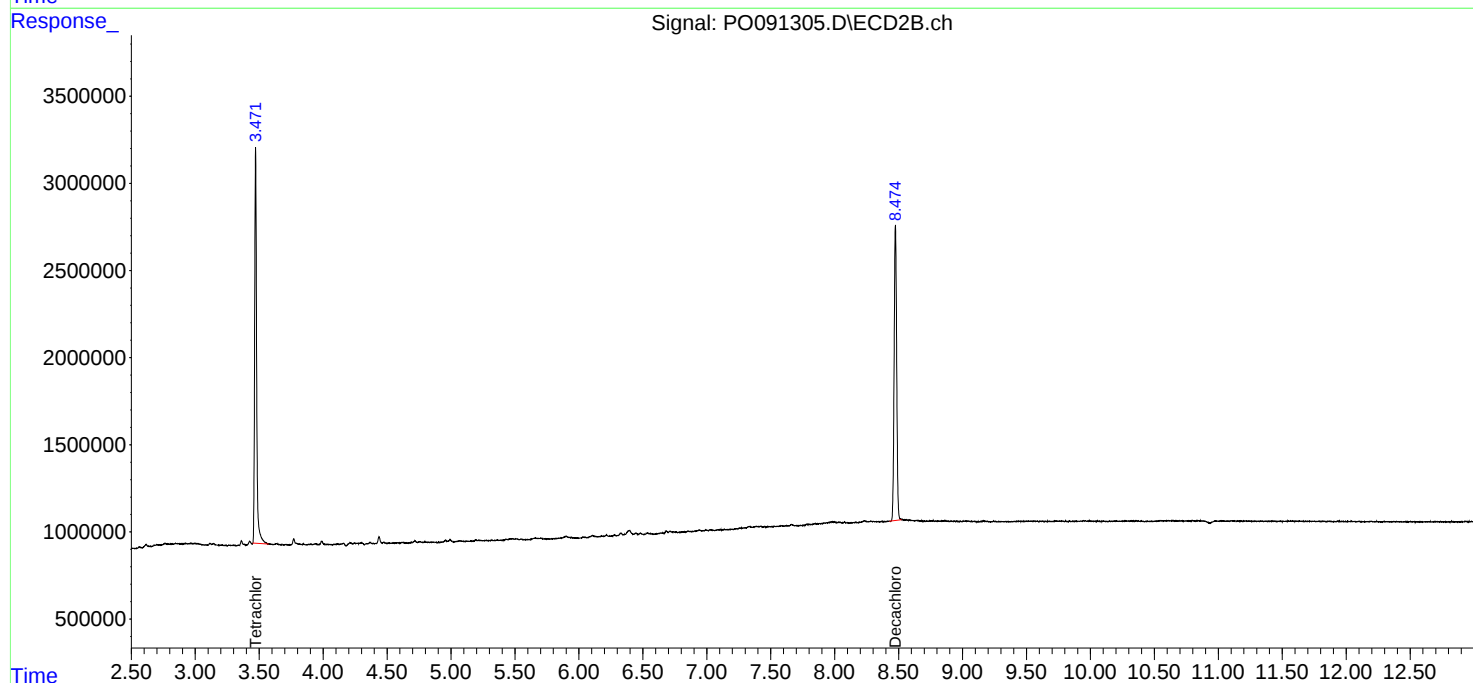
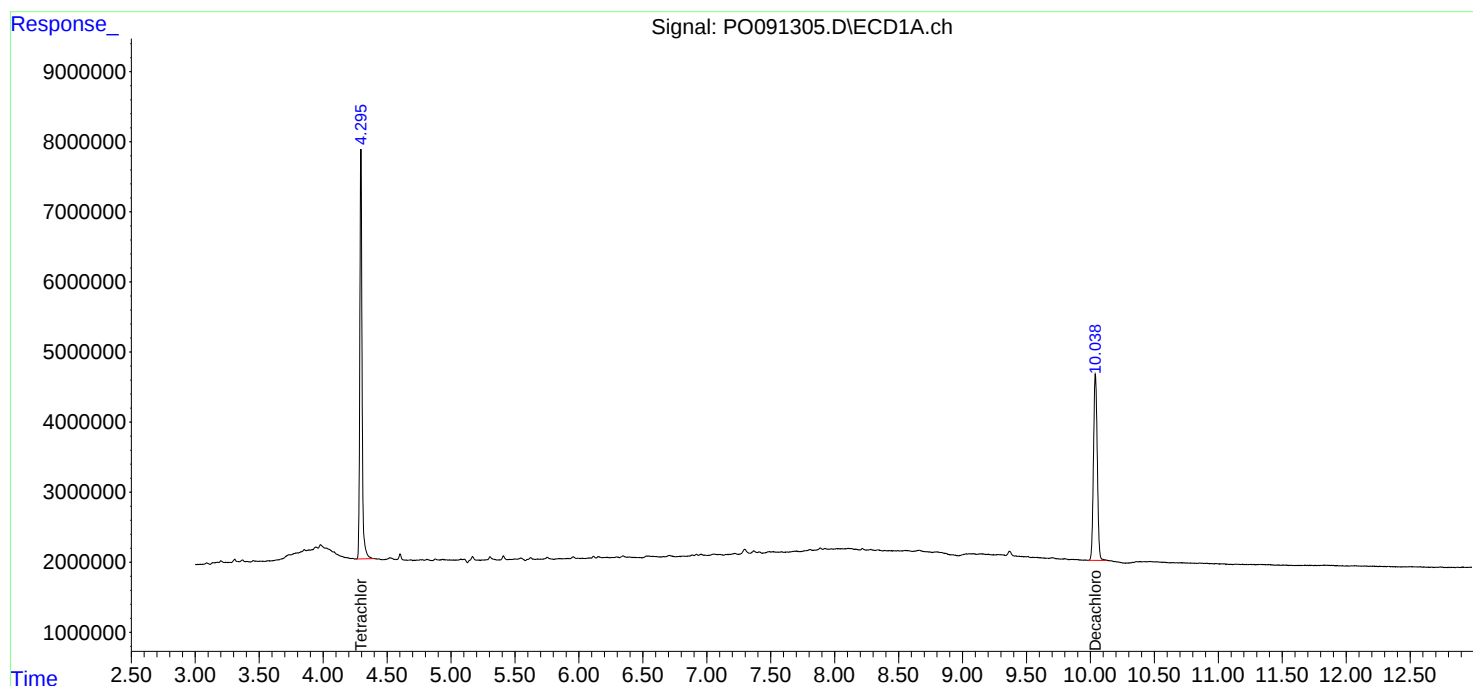
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

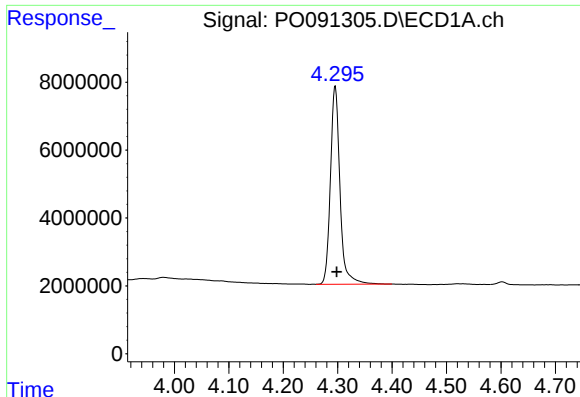
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:38
Operator : YP/AJ
Sample : N5992-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-S5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:51:37 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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.: 4.296 min
Delta R.T.: -0.002 min
Response: 71068693
Conc: 21.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-S5

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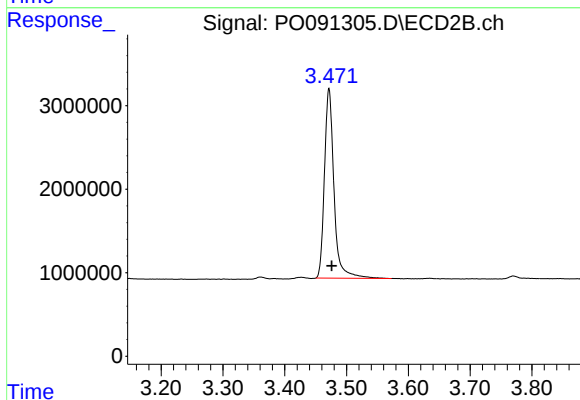
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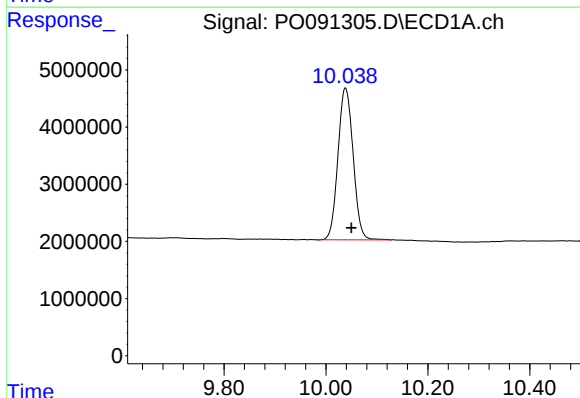
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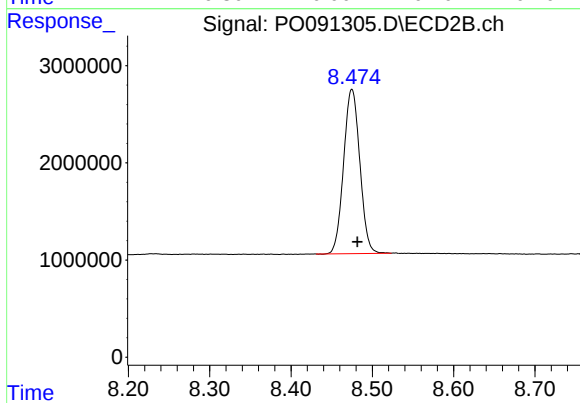
#1 Tetrachloro-m-xylene

R.T.: 3.472 min
Delta R.T.: -0.005 min
Response: 24420557
Conc: 23.27 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.038 min
Delta R.T.: -0.011 min
Response: 54905295
Conc: 20.67 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.475 min
Delta R.T.: -0.007 min
Response: 23408940
Conc: 24.11 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091306.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 15:55
 Operator : YP/AJ
 Sample : N5992-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 AOC2-B4-W5

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:52:10 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.297	3.473	71440593	24467932	21.129	23.313
2) SA Decachlor...	10.042	8.476	55628093	23375975	20.943	24.077

Target Compounds

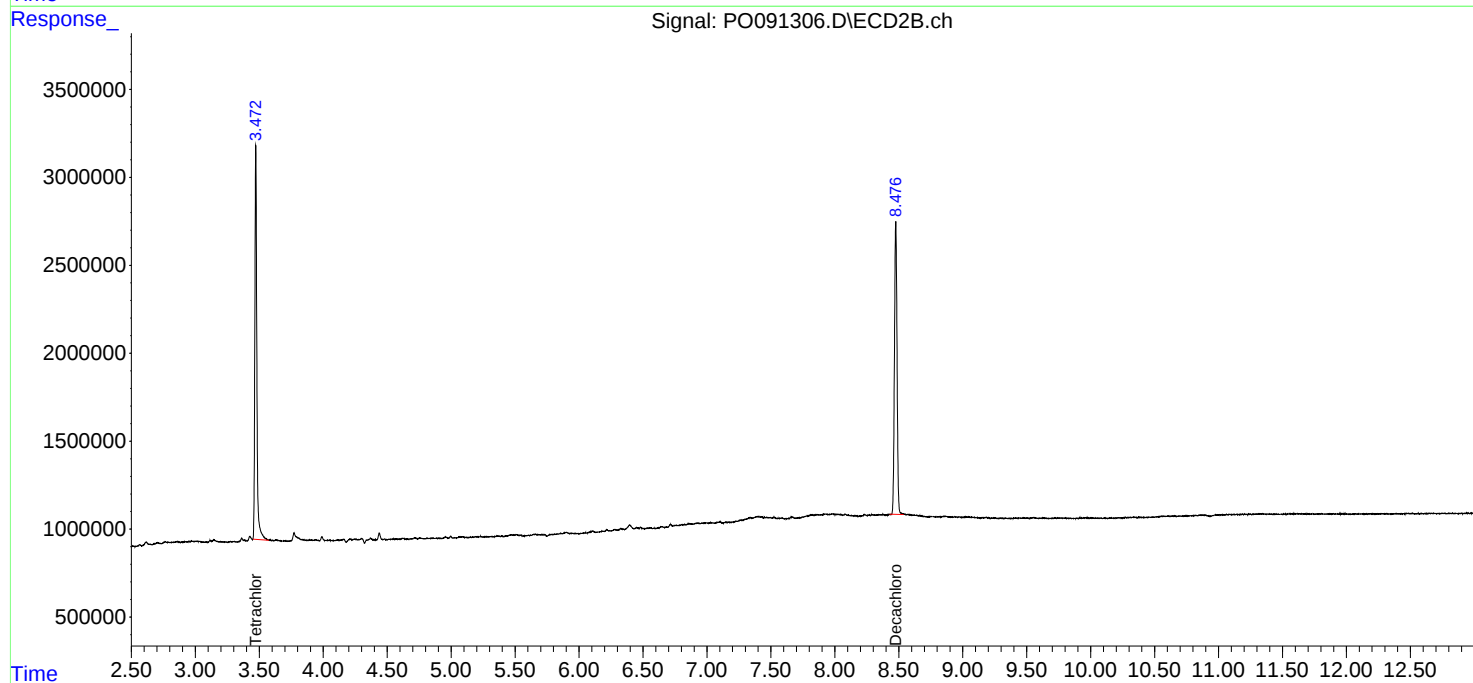
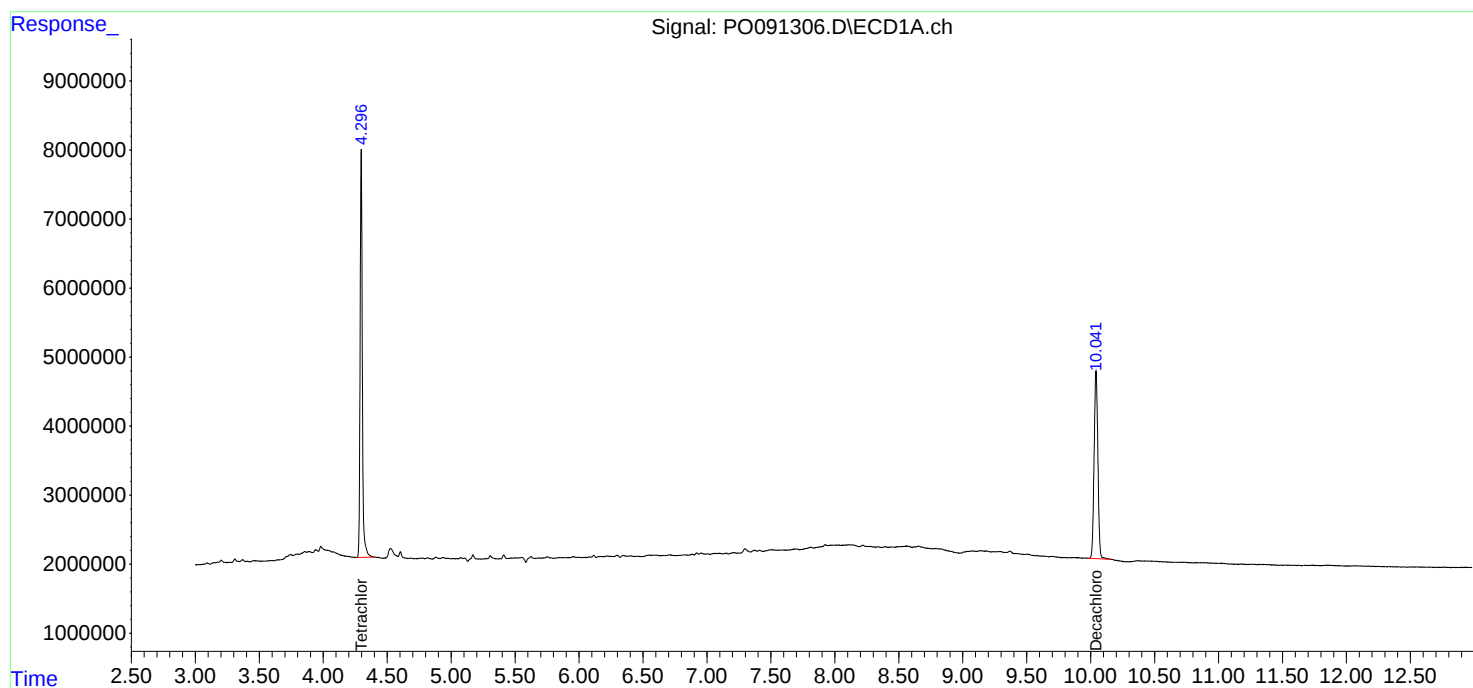
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

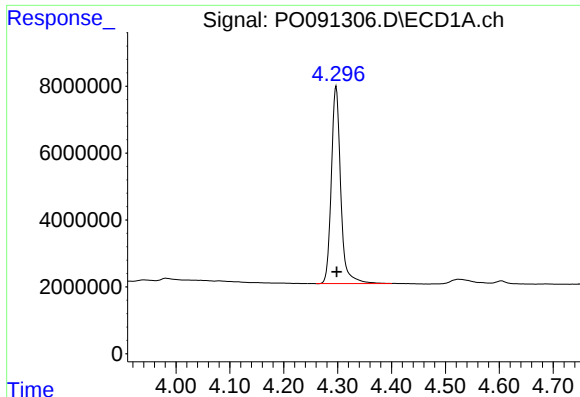
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:55
Operator : YP/AJ
Sample : N5992-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-W5

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:52:10 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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.: 4.297 min
Delta R.T.: 0.000 min
Response: 71440593
Conc: 21.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-W5

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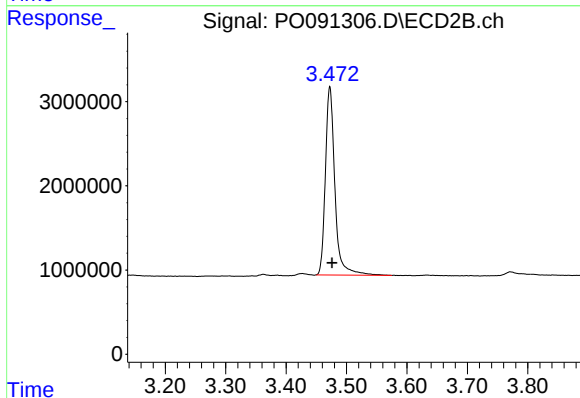
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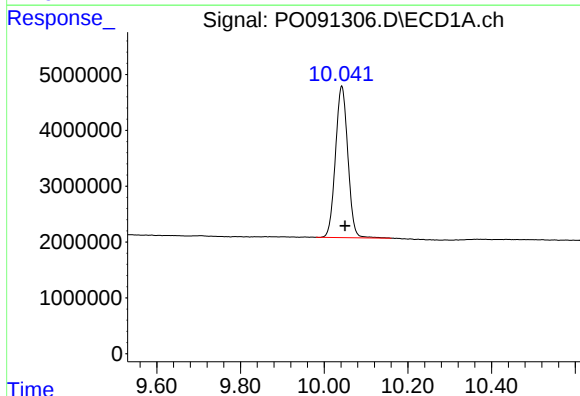
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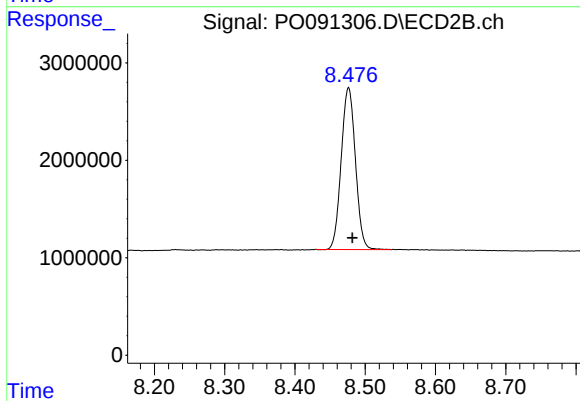
#1 Tetrachloro-m-xylene

R.T.: 3.473 min
Delta R.T.: -0.004 min
Response: 24467932
Conc: 23.31 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.042 min
Delta R.T.: -0.008 min
Response: 55628093
Conc: 20.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.476 min
Delta R.T.: -0.005 min
Response: 23375975
Conc: 24.08 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091302.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 14:47
 Operator : YP/AJ
 Sample : PB149582BL
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB149582BL

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:50:06 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.296	3.473	59724240	20300802	17.664	19.342
2) SA Decachlor...	10.042	8.474	48066937	20582560	18.096	21.200

Target Compounds

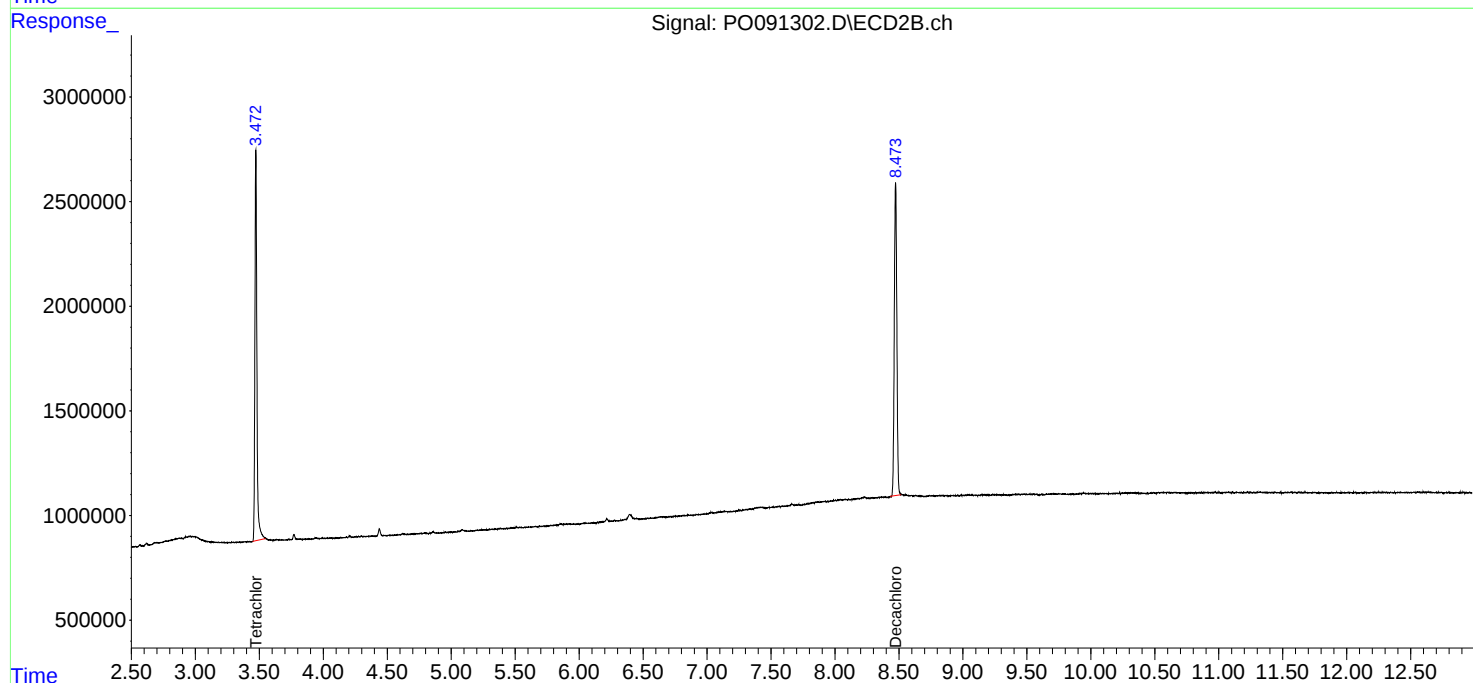
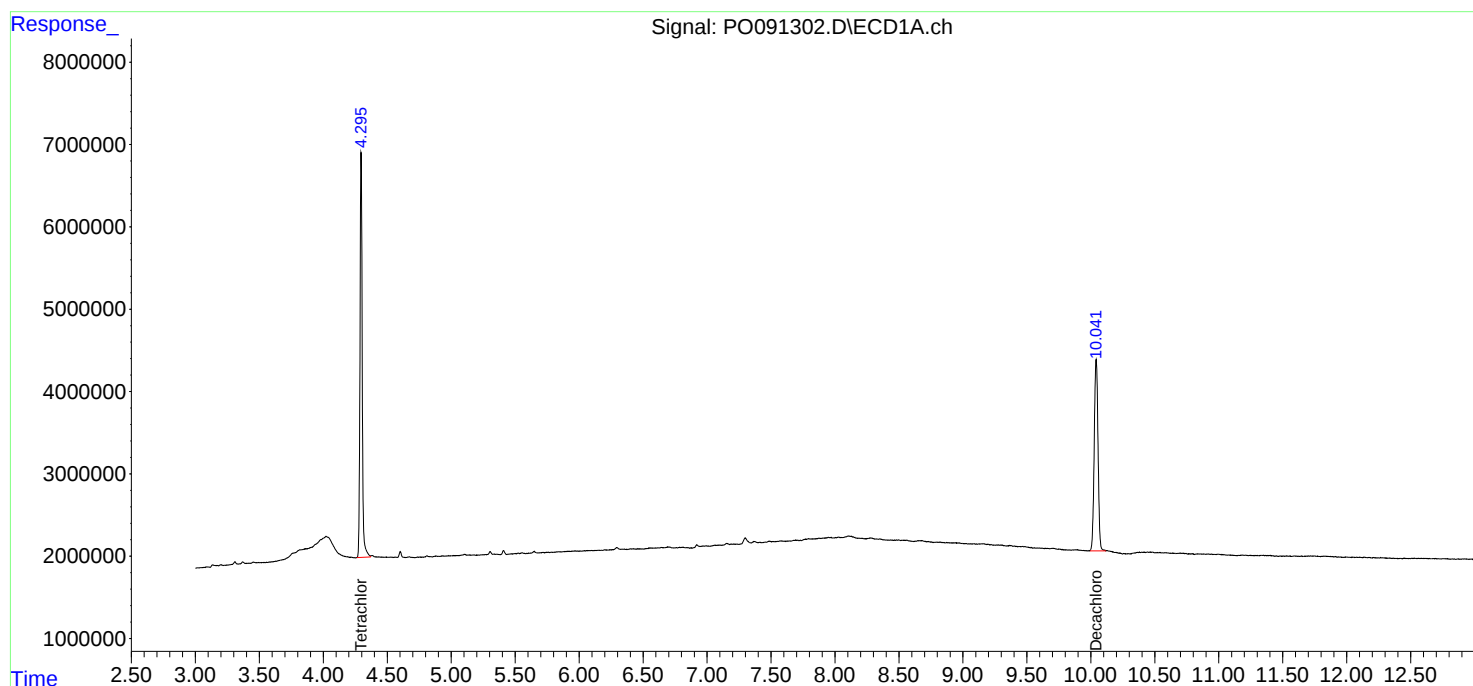
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

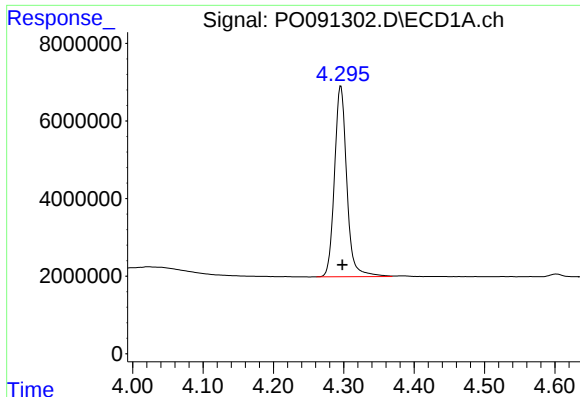
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 14:47
Operator : YP/AJ
Sample : PB149582BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB149582BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:50:06 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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.: 4.296 min
Delta R.T.: -0.002 min
Response: 59724240
Conc: 17.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB149582BL

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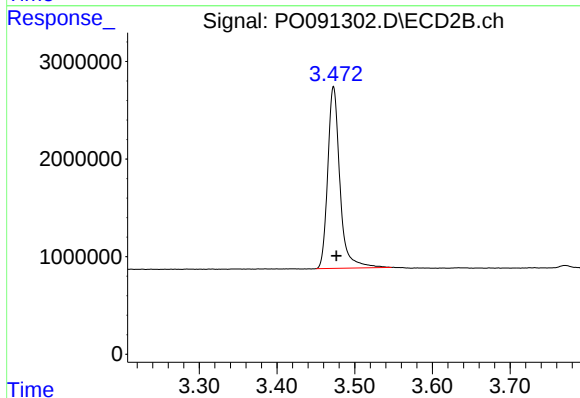
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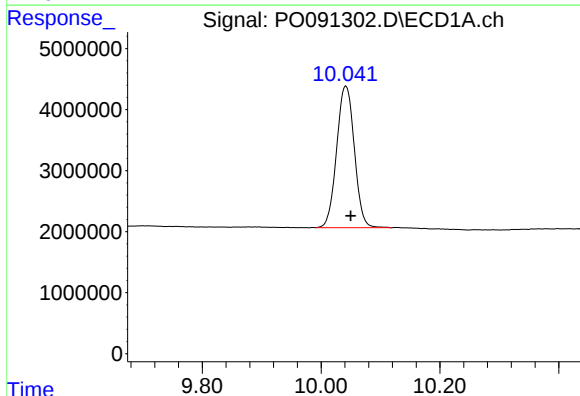
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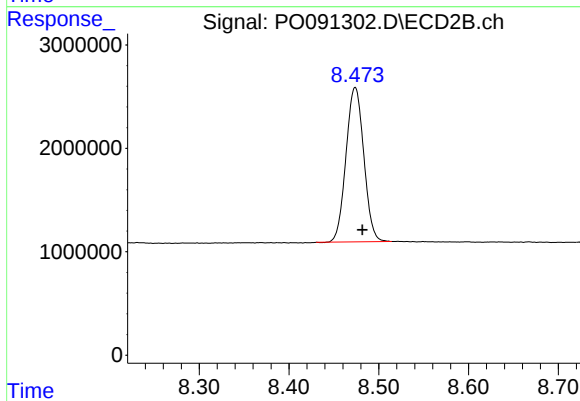
#1 Tetrachloro-m-xylene

R.T.: 3.473 min
Delta R.T.: -0.003 min
Response: 20300802
Conc: 19.34 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.042 min
Delta R.T.: -0.008 min
Response: 48066937
Conc: 18.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.474 min
Delta R.T.: -0.008 min
Response: 20582560
Conc: 21.20 ng/ml

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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091303.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 15:04
 Operator : YP/AJ
 Sample : PB149582BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB149582BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:50:34 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.296	3.473	65223807	20829061	19.291	19.846
2) SA Decachlor...	10.042	8.473	52243088	22270140	19.668	22.938
Target Compounds						
3) L1 AR-1016-1	5.472	4.558	44257693	15237649	393.287	413.482
4) L1 AR-1016-2	5.494	4.577	62870284	21220279	386.707	411.811
5) L1 AR-1016-3	5.557	4.752	39772487	11459775	381.475	421.076
6) L1 AR-1016-4	5.655	4.796	31225541	9923713	385.346	429.310
7) L1 AR-1016-5	5.952	5.008	32417282	12410271	369.661	420.735
31) L7 AR-1260-1	7.087	6.045	58081998	24008627	378.614	414.641
32) L7 AR-1260-2	7.346	6.236	66978722	28557282	383.738	418.201
33) L7 AR-1260-3	7.708	6.388	44260852	26479048	389.367	403.686
34) L7 AR-1260-4	7.934	6.862	53472641	19907936	394.606	416.833
35) L7 AR-1260-5	8.251	7.107	92011153	44735763	362.246	411.506

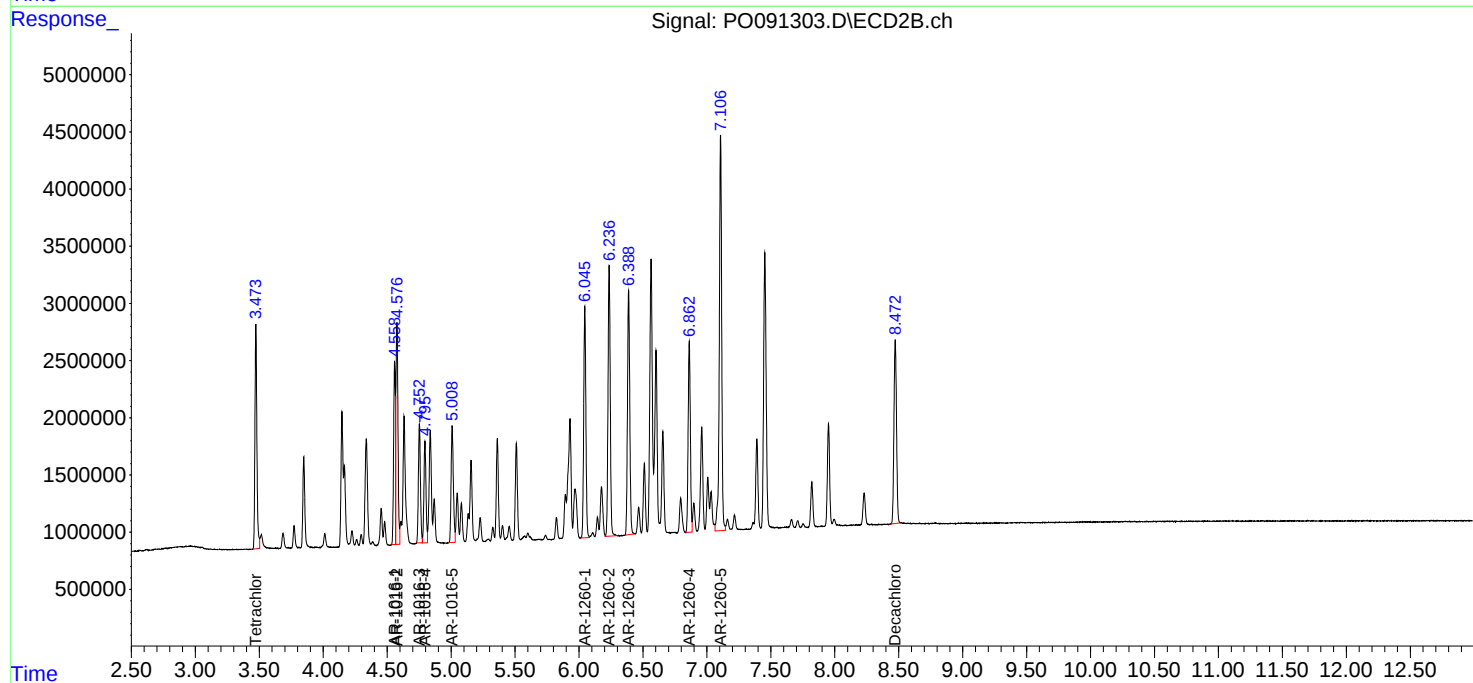
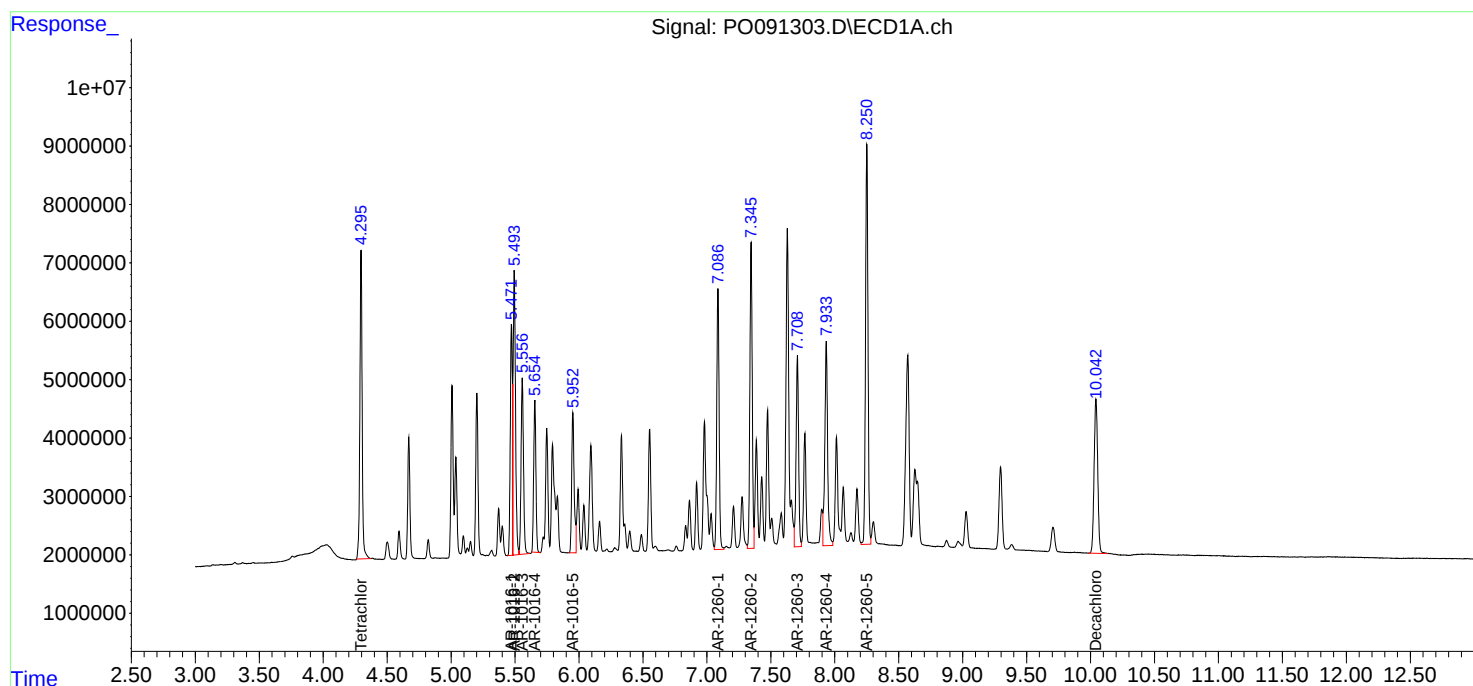
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:04
Operator : YP/AJ
Sample : PB149582BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB149582BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:50:34 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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



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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091317.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 19:59
 Operator : YP/AJ
 Sample : N6024-01MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TP-QMS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:58:23 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.295	3.472	68660889	22498614	20.307	21.436
2) SA Decachlor...	10.041	8.472	41212731	17545024	15.516	18.071
Target Compounds						
3) L1 AR-1016-1	5.472	4.557	48638923	17620877	432.220	478.153
4) L1 AR-1016-2	5.494	4.575	68945273	24694169	424.074	479.226
5) L1 AR-1016-3	5.556	4.750	43081716	13127636	413.215	482.360
6) L1 AR-1016-4	5.654	4.794	33176233	11283076	409.419	488.118
7) L1 AR-1016-5	5.952	5.006	34153368	13888772	389.458	470.859
31) L7 AR-1260-1	7.086	6.044	58173012	25909635	379.207	447.472
32) L7 AR-1260-2	7.345	6.234	68504811	29903512	392.481	437.916
33) L7 AR-1260-3	7.707	6.387	43491968	28030584	382.603	427.340
34) L7 AR-1260-4	7.933	6.861	54451478	20555416	401.830	430.390
35) L7 AR-1260-5	8.250	7.105	90835432	44782610	357.617	411.937

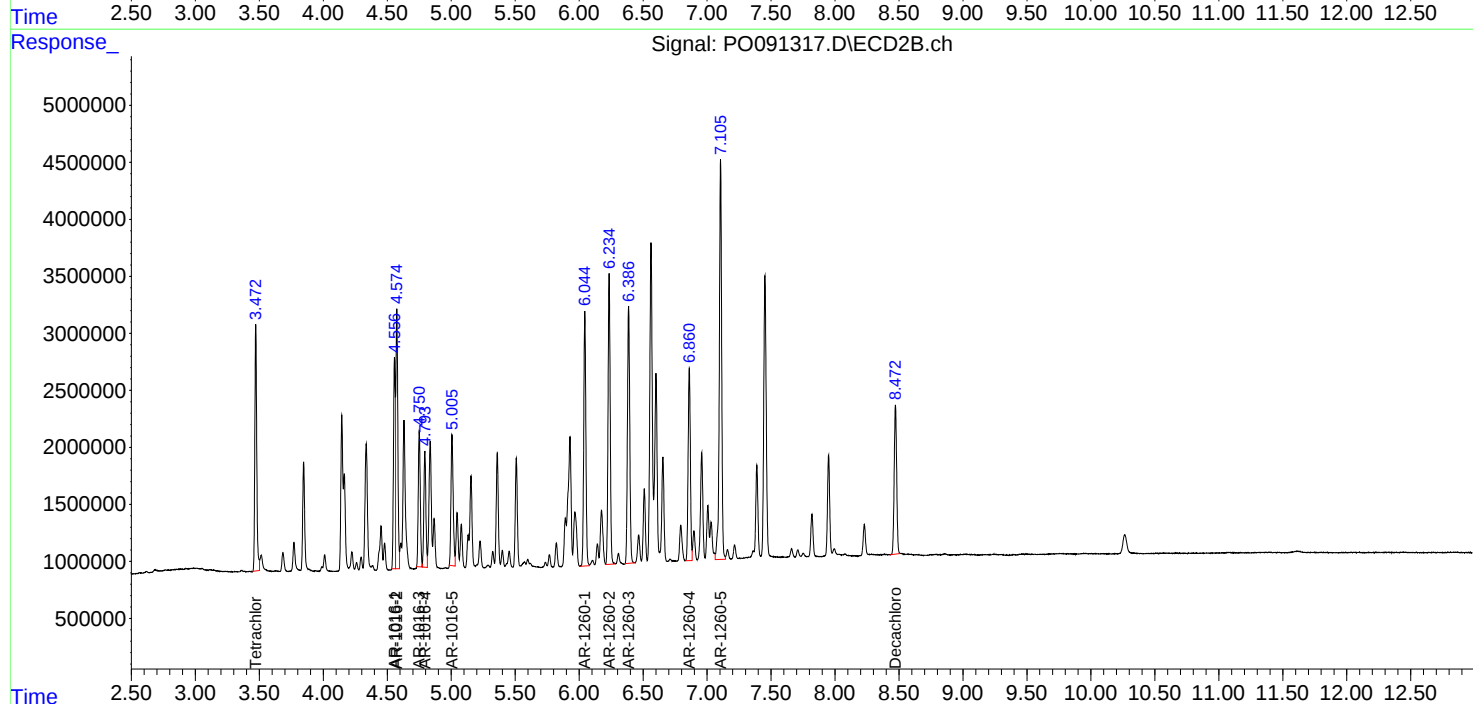
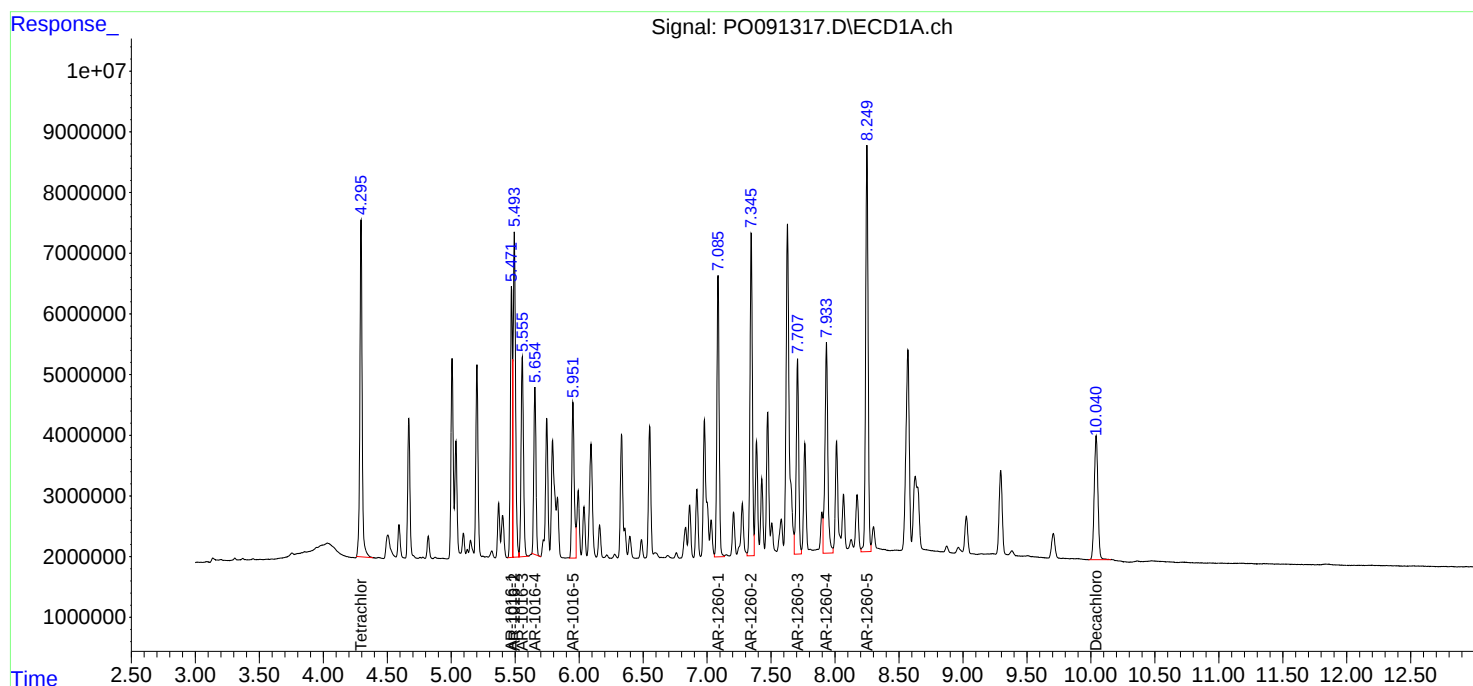
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 19:59
Operator : YP/AJ
Sample : N6024-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-QMS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:58:23 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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



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Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
 Data File : PO091318.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Dec 2022 20:16
 Operator : YP/AJ
 Sample : N6024-01MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 TP-QMSD

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 20:59:07 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Nov 28 11:25:59 2022
 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...	4.296	3.473	68637496	22491436	20.300	21.429
2) SA Decachlor...	10.041	8.473	41603187	17704320	15.663	18.235
Target Compounds						
3) L1 AR-1016-1	5.472	4.557	49083205	17628434	436.168	478.358
4) L1 AR-1016-2	5.494	4.576	68928323	24647049	423.969	478.312
5) L1 AR-1016-3	5.556	4.751	43232326	13298976	414.660	488.656
6) L1 AR-1016-4	5.655	4.795	33434484	11370634	412.606	491.905
7) L1 AR-1016-5	5.953	5.008	34243258	14120213	390.483	478.706
31) L7 AR-1260-1	7.087	6.046	58677569	25988785	382.496	448.839
32) L7 AR-1260-2	7.346	6.235	68408133	30056629	391.927	440.158
33) L7 AR-1260-3	7.708	6.388	43783219	28139508	385.165	429.001
34) L7 AR-1260-4	7.934	6.862	53157548	20570902	392.281	430.714
35) L7 AR-1260-5	8.250	7.106	92191345	45135205	362.955	415.180

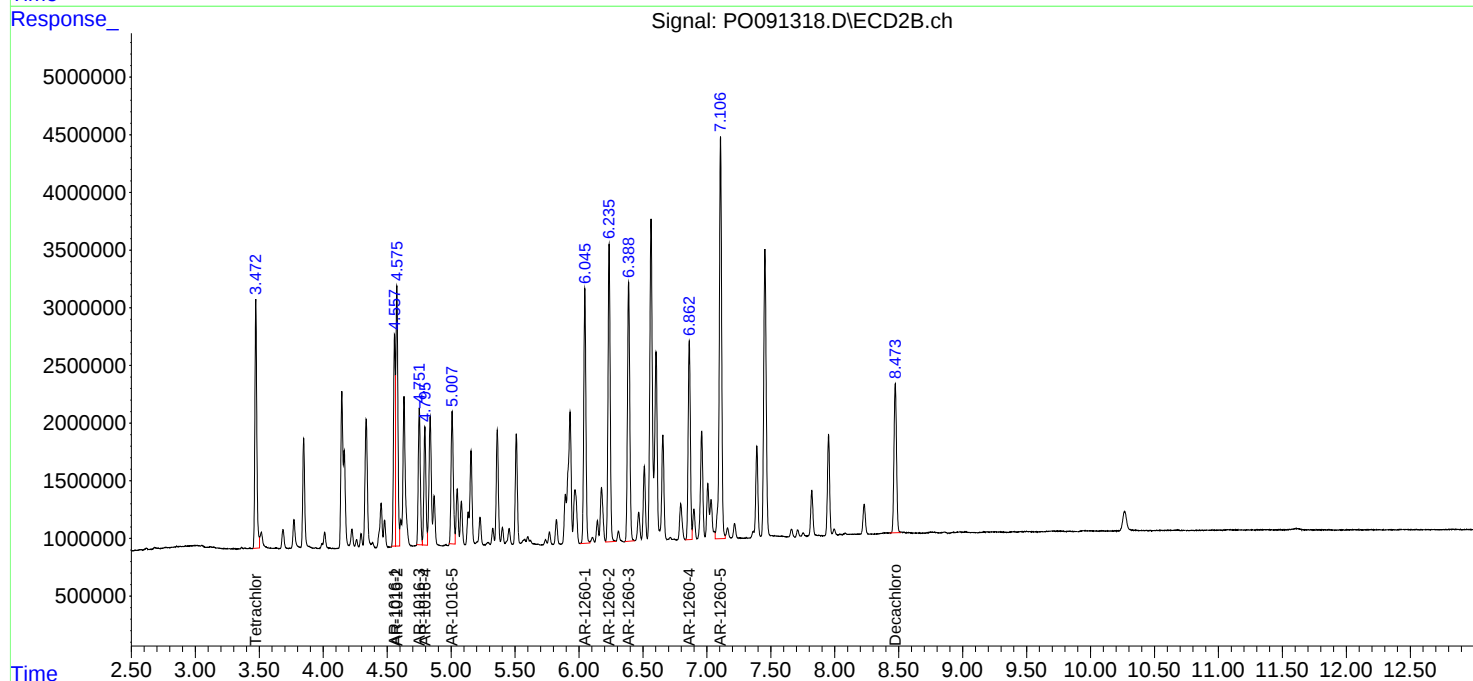
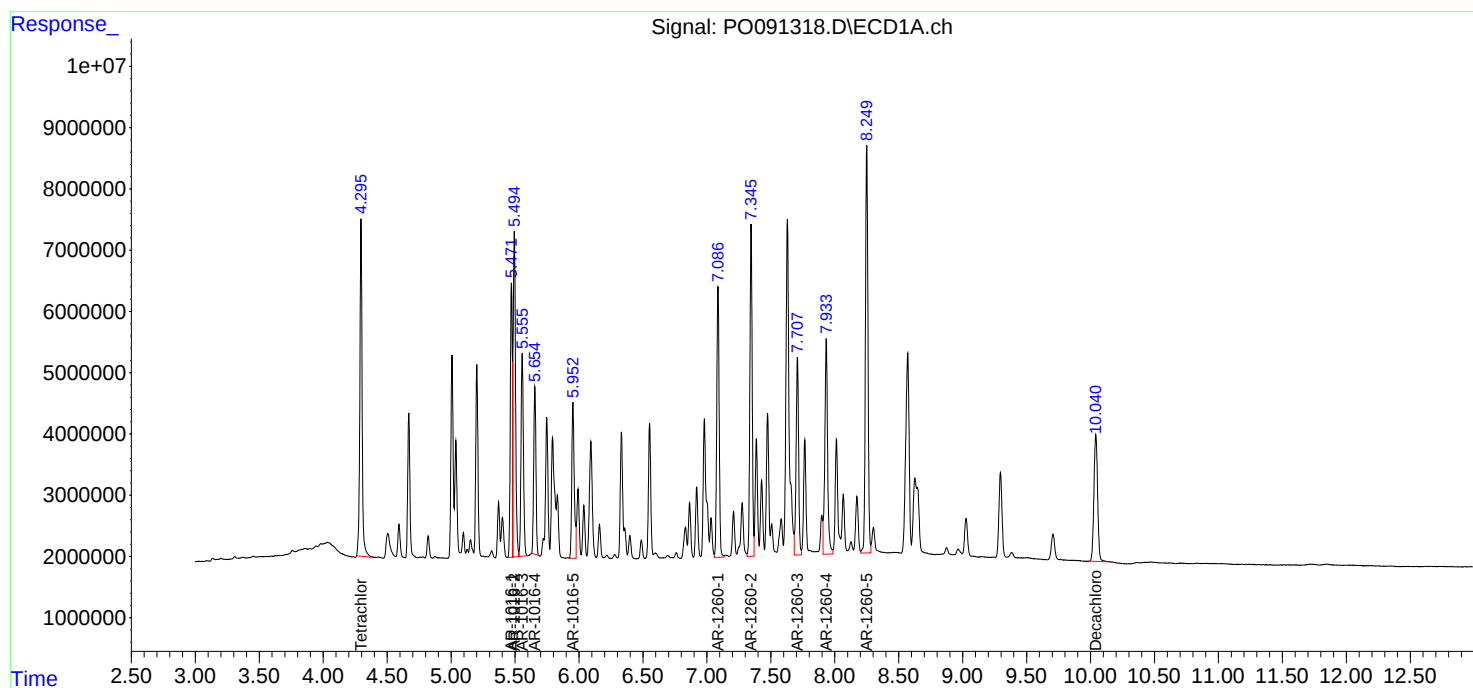
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 20:16
Operator : YP/AJ
Sample : N6024-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
TP-QMSD

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:59:07 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
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:	PO112522	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1262ICC500	PO090956.D	AR-1262-4	yogesh	11/28/2022 8:59:21 AM	Ankita	11/28/2022 12:58:30	Peak Integrated by Software



Manual Integration Report

Sequence:	PO121322	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

Review By	yogesh	Review On	11/28/2022 8:59:30 AM
Supervise By	Ankita	Supervise On	11/28/2022 12:58:36 PM
SubDirectory	PO112522	HP Acquire Method	HP Processing Method PO112522
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,P P20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP 20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460		
CCC	PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458		
Internal Standard/PEM			
ICV/I.BLK	PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO090932.D	25 Nov 2022 20:07	YP/AJ	Ok
2	I.BLK	PO090933.D	25 Nov 2022 20:24	YP/AJ	Ok
3	AR1660ICC1000	PO090934.D	25 Nov 2022 20:41	YP/AJ	Ok
4	AR1660ICC750	PO090935.D	25 Nov 2022 20:58	YP/AJ	Ok
5	AR1660ICC500	PO090936.D	25 Nov 2022 21:15	YP/AJ	Ok
6	AR1660ICC250	PO090937.D	25 Nov 2022 21:33	YP/AJ	Ok
7	AR1660ICC050	PO090938.D	25 Nov 2022 21:50	YP/AJ	Ok
8	AR1221ICC500	PO090939.D	25 Nov 2022 22:06	YP/AJ	Ok
9	AR1232ICC500	PO090940.D	25 Nov 2022 22:23	YP/AJ	Ok
10	AR1242ICC1000	PO090941.D	25 Nov 2022 22:41	YP/AJ	Ok
11	AR1242ICC750	PO090942.D	25 Nov 2022 22:58	YP/AJ	Ok
12	AR1242ICC500	PO090943.D	25 Nov 2022 23:15	YP/AJ	Ok
13	AR1242ICC250	PO090944.D	25 Nov 2022 23:32	YP/AJ	Ok
14	AR1242ICC050	PO090945.D	25 Nov 2022 23:49	YP/AJ	Ok
15	AR1248ICC1000	PO090946.D	26 Nov 2022 00:06	YP/AJ	Ok
16	AR1248ICC750	PO090947.D	26 Nov 2022 00:23	YP/AJ	Ok
17	AR1248ICC500	PO090948.D	26 Nov 2022 00:40	YP/AJ	Ok
18	AR1248ICC250	PO090949.D	26 Nov 2022 00:57	YP/AJ	Ok
19	AR1248ICC050	PO090950.D	26 Nov 2022 01:14	YP/AJ	Ok
20	AR1254ICC1000	PO090951.D	26 Nov 2022 01:31	YP/AJ	Not Ok
21	AR1254ICC750	PO090952.D	26 Nov 2022 01:48	YP/AJ	Not Ok
22	AR1254ICC500	PO090953.D	26 Nov 2022 02:05	YP/AJ	Ok
23	AR1254ICC250	PO090954.D	26 Nov 2022 02:22	YP/AJ	Not Ok

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

Review By	yogesh	Review On	11/28/2022 8:59:30 AM
Supervise By	Ankita	Supervise On	11/28/2022 12:58:36 PM
SubDirectory	PO112522	HP Acquire Method	HP Processing Method PO112522

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460
CCC	PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458
Internal Standard/PEM	
ICV/I.BLK	PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	AR1254ICC050	PO090955.D	26 Nov 2022 02:39	YP/AJ	Not Ok
25	AR1262ICC500	PO090956.D	26 Nov 2022 02:56	YP/AJ	Ok,M
26	AR1268ICC1000	PO090957.D	26 Nov 2022 03:13	YP/AJ	Ok
27	AR1268ICC750	PO090958.D	26 Nov 2022 03:30	YP/AJ	Ok
28	AR1268ICC500	PO090959.D	26 Nov 2022 03:47	YP/AJ	Ok
29	AR1268ICC250	PO090960.D	26 Nov 2022 04:04	YP/AJ	Ok
30	AR1268ICC050	PO090961.D	26 Nov 2022 04:21	YP/AJ	Ok
31	PO112522ICV500	PO090962.D	26 Nov 2022 04:38	YP/AJ	Ok
32	AR1242ICV500	PO090963.D	26 Nov 2022 04:55	YP/AJ	Ok
33	AR1248ICV500	PO090964.D	26 Nov 2022 05:12	YP/AJ	Ok
34	AR1254ICV500	PO090965.D	26 Nov 2022 05:29	YP/AJ	Ok
35	AR1268ICV500	PO090966.D	26 Nov 2022 05:46	YP/AJ	Ok

M : Manual Integration

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM
SubDirectory	PO121322	HP Acquire Method	HP Processing Method PO112522
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460		
CCC	PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458		
Internal Standard/PEM			
ICV/I.BLK	PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO091284.D	13 Dec 2022 08:56	YP/AJ	Ok
2	AR1660CCC500	PO091285.D	13 Dec 2022 09:13	YP/AJ	Ok
3	AR1242CCC500	PO091286.D	13 Dec 2022 09:30	YP/AJ	Ok
4	AR1248CCC500	PO091287.D	13 Dec 2022 09:47	YP/AJ	Ok
5	AR1254CCC500	PO091288.D	13 Dec 2022 10:04	YP/AJ	Ok
6	I.BLK	PO091289.D	13 Dec 2022 10:21	YP/AJ	Ok
7	N5975-01DL	PO091290.D	13 Dec 2022 10:38	YP/AJ	Ok,M
8	N5988-04	PO091291.D	13 Dec 2022 11:16	YP/AJ	Ok,M
9	PB149585BL	PO091292.D	13 Dec 2022 11:36	YP/AJ	Ok
10	PB149585BS	PO091293.D	13 Dec 2022 11:53	YP/AJ	Ok,M
11	PB149585BSD	PO091294.D	13 Dec 2022 12:10	YP/AJ	Ok,M
12	N6005-01	PO091295.D	13 Dec 2022 12:27	YP/AJ	ReRun
13	N6005-01RE	PO091296.D	13 Dec 2022 13:05	YP/AJ	Confirms
14	AR1660CCC500	PO091297.D	13 Dec 2022 13:22	YP/AJ	Ok
15	AR1242CCC500	PO091298.D	13 Dec 2022 13:39	YP/AJ	Ok
16	AR1248CCC500	PO091299.D	13 Dec 2022 13:56	YP/AJ	Ok
17	AR1254CCC500	PO091300.D	13 Dec 2022 14:13	YP/AJ	Ok
18	I.BLK	PO091301.D	13 Dec 2022 14:30	YP/AJ	Ok
19	PB149582BL	PO091302.D	13 Dec 2022 14:47	YP/AJ	Ok
20	PB149582BS	PO091303.D	13 Dec 2022 15:04	YP/AJ	Ok
21	N5992-01	PO091304.D	13 Dec 2022 15:21	YP/AJ	Ok
22	N5992-02	PO091305.D	13 Dec 2022 15:38	YP/AJ	Ok
23	N5992-03	PO091306.D	13 Dec 2022 15:55	YP/AJ	Ok

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM
SubDirectory	PO121322	HP Acquire Method	HP Processing Method PO112522

STD. NAME	STD REF.#
Tune/Reschk	
Initial Calibration Stds	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460
CCC	PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458
Internal Standard/PEM	
ICV/I.BLK	PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	N5995-01	PO091307.D	13 Dec 2022 16:12	YP/AJ	Ok
25	N6007-01	PO091308.D	13 Dec 2022 16:29	YP/AJ	Ok,M
26	N6022-01	PO091309.D	13 Dec 2022 16:46	YP/AJ	Ok
27	N6023-01	PO091310.D	13 Dec 2022 17:03	YP/AJ	Ok,M
28	N6024-01	PO091311.D	13 Dec 2022 17:20	YP/AJ	Ok
29	AR1660CCC500	PO091312.D	13 Dec 2022 18:34	YP/AJ	Ok
30	AR1242CCC500	PO091313.D	13 Dec 2022 18:52	YP/AJ	Ok
31	AR1248CCC500	PO091314.D	13 Dec 2022 19:08	YP/AJ	Ok
32	AR1254CCC500	PO091315.D	13 Dec 2022 19:25	YP/AJ	Ok
33	I.BLK	PO091316.D	13 Dec 2022 19:42	YP/AJ	Ok
34	N6024-01MS	PO091317.D	13 Dec 2022 19:59	YP/AJ	Ok
35	N6024-01MSD	PO091318.D	13 Dec 2022 20:16	YP/AJ	Ok
36	N6024-04	PO091319.D	13 Dec 2022 20:33	YP/AJ	Ok
37	N6025-01	PO091320.D	13 Dec 2022 20:50	YP/AJ	Ok
38	PB149587BL	PO091321.D	13 Dec 2022 21:07	YP/AJ	Ok
39	PB149587BS	PO091322.D	13 Dec 2022 21:24	YP/AJ	Ok
40	AR1660CCC500	PO091323.D	13 Dec 2022 22:10	YP/AJ	Ok
41	AR1242CCC500	PO091324.D	13 Dec 2022 22:27	YP/AJ	Not Ok
42	AR1248CCC500	PO091325.D	13 Dec 2022 22:44	YP/AJ	Ok
43	AR1254CCC500	PO091326.D	13 Dec 2022 23:01	YP/AJ	Ok
44	I.BLK	PO091327.D	13 Dec 2022 23:18	YP/AJ	Ok
45	N6010-01	PO091328.D	13 Dec 2022 23:35	YP/AJ	Ok
46	N6010-02	PO091329.D	13 Dec 2022 23:52	YP/AJ	Ok
47	N6010-03	PO091330.D	14 Dec 2022 00:09	YP/AJ	Ok
48	N6011-01	PO091331.D	14 Dec 2022 00:26	YP/AJ	Ok,M

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM		
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM		
SubDirectory	PO121322	HP Acquire Method		HP Processing Method	PO112522
STD. NAME	STD REF.#				
Tune/Reschk					
Initial Calibration Stds	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,P P20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP 20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460				
CCC	PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458				
Internal Standard/PEM					
ICV/I.BLK	PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478				
Surrogate Standard					
MS/MSD Standard					
LCS Standard					
49	N6012-01	PO091332.D	14 Dec 2022 00:43	YP/AJ	Ok,M
50	AR1660CCC500	PO091333.D	14 Dec 2022 01:57	YP/AJ	Ok
51	AR1248CCC500	PO091334.D	14 Dec 2022 03:30	YP/AJ	Ok
52	AR1254CCC500	PO091335.D	14 Dec 2022 03:47	YP/AJ	Ok
53	I.BLK	PO091336.D	14 Dec 2022 04:04	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

Review By	yogesh	Review On	11/28/2022 8:59:30 AM				
Supervise By	Ankita	Supervise On	11/28/2022 12:58:36 PM				
SubDirectory	PO112522	HP Acquire Method	HP Processing Method		PO112522		
STD. NAME		STD REF.#					
Tune/Reschk		PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard		PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458					
LCS Standard							
PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478							

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO090932.D	25 Nov 2022 20:07		YP/AJ	Ok
2	I.BLK	I.BLK	PO090933.D	25 Nov 2022 20:24		YP/AJ	Ok
3	AR1660ICC1000	AR1660ICC1000	PO090934.D	25 Nov 2022 20:41		YP/AJ	Ok
4	AR1660ICC750	AR1660ICC750	PO090935.D	25 Nov 2022 20:58		YP/AJ	Ok
5	AR1660ICC500	AR1660ICC500	PO090936.D	25 Nov 2022 21:15		YP/AJ	Ok
6	AR1660ICC250	AR1660ICC250	PO090937.D	25 Nov 2022 21:33		YP/AJ	Ok
7	AR1660ICC050	AR1660ICC050	PO090938.D	25 Nov 2022 21:50		YP/AJ	Ok
8	AR1221ICC500	AR1221ICC500	PO090939.D	25 Nov 2022 22:06		YP/AJ	Ok
9	AR1232ICC500	AR1232ICC500	PO090940.D	25 Nov 2022 22:23		YP/AJ	Ok
10	AR1242ICC1000	AR1242ICC1000	PO090941.D	25 Nov 2022 22:41		YP/AJ	Ok
11	AR1242ICC750	AR1242ICC750	PO090942.D	25 Nov 2022 22:58		YP/AJ	Ok
12	AR1242ICC500	AR1242ICC500	PO090943.D	25 Nov 2022 23:15		YP/AJ	Ok
13	AR1242ICC250	AR1242ICC250	PO090944.D	25 Nov 2022 23:32		YP/AJ	Ok
14	AR1242ICC050	AR1242ICC050	PO090945.D	25 Nov 2022 23:49		YP/AJ	Ok
15	AR1248ICC1000	AR1248ICC1000	PO090946.D	26 Nov 2022 00:06		YP/AJ	Ok
16	AR1248ICC750	AR1248ICC750	PO090947.D	26 Nov 2022 00:23		YP/AJ	Ok
17	AR1248ICC500	AR1248ICC500	PO090948.D	26 Nov 2022 00:40		YP/AJ	Ok
18	AR1248ICC250	AR1248ICC250	PO090949.D	26 Nov 2022 00:57		YP/AJ	Ok
19	AR1248ICC050	AR1248ICC050	PO090950.D	26 Nov 2022 01:14		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

Review By	yogesh	Review On	11/28/2022 8:59:30 AM				
Supervise By	Ankita	Supervise On	11/28/2022 12:58:36 PM				
SubDirectory	PO112522	HP Acquire Method	HP Processing Method		PO112522		
STD. NAME		STD REF.#					
Tune/Reschk		PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard		PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458					
LCS Standard		PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478					
20	AR1254ICC1000	AR1254ICC1000	PO090951.D	26 Nov 2022 01:31		YP/AJ	Not Ok
21	AR1254ICC750	AR1254ICC750	PO090952.D	26 Nov 2022 01:48		YP/AJ	Not Ok
22	AR1254ICC500	AR1254ICC500	PO090953.D	26 Nov 2022 02:05	5 points analyzed on PO112822	YP/AJ	Ok
23	AR1254ICC250	AR1254ICC250	PO090954.D	26 Nov 2022 02:22		YP/AJ	Not Ok
24	AR1254ICC050	AR1254ICC050	PO090955.D	26 Nov 2022 02:39		YP/AJ	Not Ok
25	AR1262ICC500	AR1262ICC500	PO090956.D	26 Nov 2022 02:56		YP/AJ	Ok,M
26	AR1268ICC1000	AR1268ICC1000	PO090957.D	26 Nov 2022 03:13		YP/AJ	Ok
27	AR1268ICC750	AR1268ICC750	PO090958.D	26 Nov 2022 03:30		YP/AJ	Ok
28	AR1268ICC500	AR1268ICC500	PO090959.D	26 Nov 2022 03:47		YP/AJ	Ok
29	AR1268ICC250	AR1268ICC250	PO090960.D	26 Nov 2022 04:04		YP/AJ	Ok
30	AR1268ICC050	AR1268ICC050	PO090961.D	26 Nov 2022 04:21		YP/AJ	Ok
31	PO112522ICV500	ICVPO112522	PO090962.D	26 Nov 2022 04:38		YP/AJ	Ok
32	AR1242ICV500	ICVPO112522AR1242	PO090963.D	26 Nov 2022 04:55		YP/AJ	Ok
33	AR1248ICV500	ICVPO112522AR1248	PO090964.D	26 Nov 2022 05:12		YP/AJ	Ok
34	AR1254ICV500	ICVPO112522AR1254	PO090965.D	26 Nov 2022 05:29		YP/AJ	Ok
35	AR1268ICV500	ICVPO112522AR1268	PO090966.D	26 Nov 2022 05:46		YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM				
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM				
SubDirectory	PO121322	HP Acquire Method	HP Processing Method		PO112522		
STD. NAME		STD REF.#					
Tune/Reschk		PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460					
Initial Calibration Stds							
CCC							
Internal Standard/PEM							
ICV/I.BLK							
Surrogate Standard							
MS/MSD Standard		PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458					
LCS Standard		PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478					

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO091284.D	13 Dec 2022 08:56		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO091285.D	13 Dec 2022 09:13		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO091286.D	13 Dec 2022 09:30		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO091287.D	13 Dec 2022 09:47		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO091288.D	13 Dec 2022 10:04		YP/AJ	Ok
6	I.BLK	I.BLK	PO091289.D	13 Dec 2022 10:21		YP/AJ	Ok
7	N5975-01DL	330DL	PO091290.D	13 Dec 2022 10:38		YP/AJ	Ok,M
8	N5988-04	2719	PO091291.D	13 Dec 2022 11:16		YP/AJ	Ok,M
9	PB149585BL	PB149585BL	PO091292.D	13 Dec 2022 11:36		YP/AJ	Ok
10	PB149585BS	PB149585BS	PO091293.D	13 Dec 2022 11:53		YP/AJ	Ok,M
11	PB149585BSD	PB149585BSD	PO091294.D	13 Dec 2022 12:10		YP/AJ	Ok,M
12	N6005-01	TP	PO091295.D	13 Dec 2022 12:27	surrogate fail	YP/AJ	ReRun
13	N6005-01RE	TPRE	PO091296.D	13 Dec 2022 13:05	surrogate fail	YP/AJ	Confirm
14	AR1660CCC500	AR1660CCC500	PO091297.D	13 Dec 2022 13:22		YP/AJ	Ok
15	AR1242CCC500	AR1242CCC500	PO091298.D	13 Dec 2022 13:39		YP/AJ	Ok
16	AR1248CCC500	AR1248CCC500	PO091299.D	13 Dec 2022 13:56		YP/AJ	Ok
17	AR1254CCC500	AR1254CCC500	PO091300.D	13 Dec 2022 14:13		YP/AJ	Ok
18	I.BLK	I.BLK	PO091301.D	13 Dec 2022 14:30		YP/AJ	Ok
19	PB149582BL	PB149582BL	PO091302.D	13 Dec 2022 14:47		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM
SubDirectory	PO121322	HP Acquire Method	HP Processing Method PO112522
STD. NAME	STD REF.#		
Tune/Reschk	PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460 PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458 PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			
20	PB149582BS	PB149582BS	PO091303.D 13 Dec 2022 15:04 YP/AJ Ok
21	N5992-01	AOC2-B4-V1	PO091304.D 13 Dec 2022 15:21 YP/AJ Ok
22	N5992-02	AOC2-B4-S5	PO091305.D 13 Dec 2022 15:38 YP/AJ Ok
23	N5992-03	AOC2-B4-W5	PO091306.D 13 Dec 2022 15:55 YP/AJ Ok
24	N5995-01	1282022-B1-S1	PO091307.D 13 Dec 2022 16:12 YP/AJ Ok
25	N6007-01	MOO-CONCRETE-121	PO091308.D 13 Dec 2022 16:29 AR1248, AR1260 hits, YP/AJ Ok,M
26	N6022-01	EO-01-121222	PO091309.D 13 Dec 2022 16:46 YP/AJ Ok
27	N6023-01	WASTE	PO091310.D 13 Dec 2022 17:03 AR1260 hits YP/AJ Ok,M
28	N6024-01	TP-Q	PO091311.D 13 Dec 2022 17:20 YP/AJ Ok
29	AR1660CCC500	AR1660CCC500	PO091312.D 13 Dec 2022 18:34 YP/AJ Ok
30	AR1242CCC500	AR1242CCC500	PO091313.D 13 Dec 2022 18:52 YP/AJ Ok
31	AR1248CCC500	AR1248CCC500	PO091314.D 13 Dec 2022 19:08 YP/AJ Ok
32	AR1254CCC500	AR1254CCC500	PO091315.D 13 Dec 2022 19:25 YP/AJ Ok
33	I.BLK	I.BLK	PO091316.D 13 Dec 2022 19:42 YP/AJ Ok
34	N6024-01MS	TP-QMS	PO091317.D 13 Dec 2022 19:59 YP/AJ Ok
35	N6024-01MSD	TP-QMSD	PO091318.D 13 Dec 2022 20:16 YP/AJ Ok
36	N6024-04	MH-21	PO091319.D 13 Dec 2022 20:33 YP/AJ Ok
37	N6025-01	NB-07-121222	PO091320.D 13 Dec 2022 20:50 YP/AJ Ok
38	PB149587BL	PB149587BL	PO091321.D 13 Dec 2022 21:07 YP/AJ Ok
39	PB149587BS	PB149587BS	PO091322.D 13 Dec 2022 21:24 YP/AJ Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

Review By	yogesh	Review On	12/14/2022 9:08:14 AM				
Supervise By	Ankita	Supervise On	12/14/2022 9:13:39 AM				
SubDirectory	PO121322	HP Acquire Method	HP Processing Method		PO112522		
STD. NAME		STD REF.#					
Tune/Reschk							
Initial Calibration Stds		PP20421,PP20422,PP20423,PP20424,PP20425,PP20426,PP20427,PP20428,PP20429,PP20430,PP20431,PP20432,PP20433,PP20434,PP20435,PP20436,PP20437,PP20438,PP20439,PP20440,PP20441,PP20442,PP20443,PP20444,PP20445,PP20446,PP20447,PP20448,PP20449,PP20450,PP20451,PP20452,PP20453,PP20454,PP20455,PP20456,PP20457,PP20458,PP20459,PP20460					
CCC		PP20423,PP20428,PP20433,PP20438,PP20443,PP20448,PP20453,PP20458					
Internal Standard/PEM							
ICV/I.BLK		PP20463,PP20465,PP20469,PP20471,PP20472,PP20474,PP20476,PP20478					
Surrogate Standard							
MS/MSD Standard							
LCS Standard							

40	AR1660CCC500	AR1660CCC500	PO091323.D	13 Dec 2022 22:10		YP/AJ	Ok
41	AR1242CCC500	AR1242CCC500	PO091324.D	13 Dec 2022 22:27	injection error	YP/AJ	Not Ok
42	AR1248CCC500	AR1248CCC500	PO091325.D	13 Dec 2022 22:44		YP/AJ	Ok
43	AR1254CCC500	AR1254CCC500	PO091326.D	13 Dec 2022 23:01		YP/AJ	Ok
44	I.BLK	I.BLK	PO091327.D	13 Dec 2022 23:18		YP/AJ	Ok
45	N6010-01	PCB-120722-01	PO091328.D	13 Dec 2022 23:35		YP/AJ	Ok
46	N6010-02	PCB-120722-02	PO091329.D	13 Dec 2022 23:52		YP/AJ	Ok
47	N6010-03	PCB-120722-03	PO091330.D	14 Dec 2022 00:09		YP/AJ	Ok
48	N6011-01	PCB-12922-01	PO091331.D	14 Dec 2022 00:26	AR1254 hits	YP/AJ	Ok,M
49	N6012-01	PCB12622-01	PO091332.D	14 Dec 2022 00:43	AR1254 & AR1260 hits,	YP/AJ	Ok,M
50	AR1660CCC500	AR1660CCC500	PO091333.D	14 Dec 2022 01:57		YP/AJ	Ok
51	AR1248CCC500	AR1248CCC500	PO091334.D	14 Dec 2022 03:30		YP/AJ	Ok
52	AR1254CCC500	AR1254CCC500	PO091335.D	14 Dec 2022 03:47		YP/AJ	Ok
53	I.BLK	I.BLK	PO091336.D	14 Dec 2022 04:04		YP/AJ	Ok

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: Acid Cleanup **Extraction Start Date :** 12/13/2022

Matrix : Solid **Extraction Start Time :** 09:15

Weigh By: RJ **Extraction By:** RJ **Extraction End Date :** 12/13/2022

Balance check: RJ **Filter By:** RJ **Extraction End Time :** 12:30

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 ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP21181
Surrogate	1.0ML	200 PPB	PP21252
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	EP2269
Baked Na2SO4	N/A	EP2279
Sand	N/A	E2865
Hexane	N/A	E3434
H2SO4 1:1	N/A	EP2260
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
12/13/22	Rp (Est. Lab)	R. Pesti / PCBL
12/35	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/13/2022

Sample ID	Client Sample ID	Test	(g) mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB149582BL	ABLK582	PCB	30.01	N/A	ritesh	RUPESH	10			U7-1
PB149582BS	ALCS582	PCB	30.03	N/A	ritesh	RUPESH	10			2
N5992-01	AOC2-B4-V1	PCB	30.07	N/A	ritesh	RUPESH	10			3
N5992-02	AOC2-B4-S5	PCB	30.02	N/A	ritesh	RUPESH	10			4
N5992-03	AOC2-B4-W5	PCB	30.03	N/A	ritesh	RUPESH	10			5
N5995-01	1282022-B1-S1	PCB	30.08	N/A	ritesh	RUPESH	10	B		6
N6007-01	MOO-CONCRETE-1212	PCB	30.10	N/A	ritesh	RUPESH	10	B	Concrete	U1-1
N6022-01	EO-01-121222	PCB	30.04	N/A	ritesh	RUPESH	10	E		2
N6023-01	WASTE	PCB	30.06	N/A	ritesh	RUPESH	10	E		3
N6024-01	TP-Q	PCB	30.03	N/A	ritesh	RUPESH	10	E		4
N6024-01MS	TP-QMS	PCB	30.09	N/A	ritesh	RUPESH	10	E		5
N6024-01MS D	TP-QMSD	PCB	30.07	N/A	ritesh	RUPESH	10	E		6
N6024-04	MH-21	PCB	30.01	N/A	ritesh	RUPESH	10	E		U4-1
N6025-01	NB-07-121222	PCB	30.05	N/A	ritesh	RUPESH	10	E		2

* Extracts relinquished on the same date as received.

12/13/22

N5992

WORKLIST(Hardcopy Internal Chain)

WorkList Name : N5992 WorkList ID : 165719 Department : Extraction Date : 12-13-2022 08:46:14

Due Date		Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
12/22/2022	Solid	N5992-01	PCB		Cool 4 deg C	REMI02	M13	AOC2-B4-V1	12/08/2022	8082A
12/22/2022	Solid	N5992-02	PCB		Cool 4 deg C	REMI02	M13	AOC2-B4-S5	12/08/2022	8082A
12/22/2022	Solid	N5992-03	PCB		Cool 4 deg C	REMI02	M13	AOC2-B4-W5	12/08/2022	8082A
12/14/2022	Solid	N5995-01	PCB		Cool 4 deg C	REMI02	M13	1282022-B1-S1	12/08/2022	8082A
12/15/2022	Solid	N6007-01	PCB		Cool 4 deg C	PSEG03	M21	MOO-CONCRETE-1212	12/12/2022	8082A
12/15/2022	Solid	N6022-01	PCB		Cool 4 deg C	PSEG05	M21	EO-01-121222	12/12/2022	8082A
12/15/2022	Solid	N6023-01	PCB		Cool 4 deg C	RMJE02	M21	WASTE	12/12/2022	8082A
12/19/2022	Solid	N6024-01	PCB		Cool 4 deg C	PSEG03	M21	TP-Q	12/12/2022	8082A
12/19/2022	Solid	N6024-04	PCB		Cool 4 deg C	PSEG03	M21	MH-21	12/12/2022	8082A
12/15/2022	Solid	N6025-01	PCB		Cool 4 deg C	PSEG05	M21	NB-07-121222	12/12/2022	8082A

Date/Time 12/12/22 9:10
Raw Sample Received by: RJ (Ext-Int) 9:30
Raw Sample Relinquished by: CP SM RJ (Ext-Int)



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID:	N5992	OrderDate:	12/9/2022 1:35:58 PM
Client:	Remington & Vernick Engineers	Project:	Wildwood DPW Storage Yard Site - # 0514T294
Contact:	Marco Carulli	Location:	M13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
N5992-01	AOC2-B4-V1	SOIL	PCB Group1	8082A	12/08/22	12/13/22	12/13/22	12/09/22
N5992-02	AOC2-B4-S5	SOIL	PCB Group1	8082A	12/08/22	12/13/22	12/13/22	12/09/22
N5992-03	AOC2-B4-W5	SOIL	PCB Group1	8082A	12/08/22	12/13/22	12/13/22	12/09/22

SHIPPING DOCUMENTS

CHEMTECH CHAIN OF CUSTODY RECORD		284 Sheffield Street, Mountainside, NJ 07092 (908) 789-8900 Fax: (908) 78-8922 www.chemtech.net		Chemtech Project Number: N5992																															
				COC Number:																															
CLIENT INFORMATION			PROJECT INFORMATION					BILLING INFORMATION																											
COMPANY: Remington & Vernick Engineers Inc. (RVE)			PROJECT NAME: Wildwood DPW Storage Yard					BILL TO: RVE				PO# 0514T294																							
ADDRESS: 2059 Springdale Road			PROJECT #: 0514T294 LOCATION: NJ					ADDRESS: 2059 Springdale Road																											
CITY: Cherry Hill STATE: NJ ZIP: 08003			PROJECT MANAGER: Marco Carulli					CITY: Cherry Hill				STATE: NJ ZIP: 08003																							
ATTENTION: Marco Carulli			E-MAIL: Marco.Carulli@rve.com					ATTENTION: David Daniels & Lydiana Medina				PHONE: 856-795-9595																							
PHONE: 856-745-0129 FAX:			PHONE: FAX:																																
DATA TURNAROUND INFORMATION			DATA DELIVERABLE INFORMATION					ANALYSIS																											
FAX: <u>Marco.Carulli@rve.com</u> / <u>Standard</u> DAYS* HARD COPY: _____ DAYS* EDD _____ DAYS* * TO BE APPROVED BY CHEMTECH STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS			☐ RESULTS ONLY ☐ USEPA CLP ☐ RESULTS + QC ☐ New York State ASP "B" ☒ New Jersey REDUCED ☐ New York State ASP "A" ☐ New Jersey CLP ☐ Other _____ ☒ EDD Format <u>NS Haz Site</u>					PCBs <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>							1	2	3	4	5	6	7	8	9												
															1	2	3	4	5	6	7	8	9												
PRESERVATIVES							COMMENTS																												
CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION		SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles	PCBs <table border="1" style="border-collapse: collapse; text-align: center;"> <tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>									1	2	3	4	5	6	7	8	9									
1	2	3	4	5	6	7	8		9																										
			COMP	GRAB	DATE	TIME																													
1.	A0C2 - B4 - V1		Soil	X	12/8/22	1305	1	X																											
2.	A0C2 - B4 - SS		Soil	X	12/8/22	1310	1	X																											
3.	A0C2 - B4 - WS		Soil	X	12/8/22	1320	1	X																											
4.																																			
5.																																			
6.																																			
7.																																			
8.																																			
9.																																			
10.																																			
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY																																			
RELINQUISHED BY SAMPLER		DATE/TIME	RECEIVED BY		Conditions of bottles or coolers at receipt: ☒ Compliant ☐ Non Compliant ☐ Cooler Temp <u>5.5</u> MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: _____ Comments:																														
1. <u>[Signature]</u>		12/8/22	<u>[Signature]</u>																																
RELINQUISHED BY		DATE/TIME	RECEIVED BY																																
2. <u>[Signature]</u>																																			
RELINQUISHED BY		DATE/TIME	RECEIVED FOR LAB BY																																
3. <u>[Signature]</u>		12-9-22	<u>[Signature]</u>																																
					Page <u>1</u> of <u>1</u>				SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight CHEMTECH: ☒ Picked Up ☐ Overnight					<u>Shipment Complete</u> ☐ YES ☐ NO																					
WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY																																			

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