CHEMTECH

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

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

Table Of Contents for N5992

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : CHEMTECH

Client : Remington & Vernick Engineers

Project Location :

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

Laboratory Sample ID(s) : N5992

Sampling Date(s) : 12/08/2022

List 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.”

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Cover Page

Order ID : N5992

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

Client : Remington & Vernick Engineers

Lab Sample Number	Client Sample Number
N5992-01	AOC2-B4-V1
N5992-02	AOC2-B4-S5
N5992-03	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

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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:
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

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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 is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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 Castody	✓
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:** _____

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: N5992 **Order ID:** N5992

Client: Remington & Vernick Engineers **Project ID:** Wildwood DPW Storage Yard Site - # (

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

SAMPLE DATA

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

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	% Moisture:	0.3 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.3		30 (40) - 150 (162)	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		30 (32) - 150 (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

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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	% Moisture:	0.2 Decanted:
Sample Wt/Vol:	30.02 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (40) - 150 (162)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		30 (32) - 150 (176)	121%	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

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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	% Moisture:	0.1 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.3		30 (40) - 150 (162)	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.1		30 (32) - 150 (176)	120%	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

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	Limits High
I.BLK-PO090933.D	PIBLK-PO090933.D	Tetrachloro-m-xylene	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.5	108		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.4	107		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.1	111		70 (60)	130 (140)
I.BLK-PO091301.D	PIBLK-PO091301.D	Tetrachloro-m-xylene	1	20	20.4	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.3	102		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.8	109		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.9	120		70 (60)	130 (140)
PB149582BL	PB149582BL	Tetrachloro-m-xylene	1	20	17.7	88		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	18.1	91		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	19.3	97		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	21.2	106		30 (32)	150 (176)
PB149582BS	PB149582BS	Tetrachloro-m-xylene	1	20	19.3	96		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	19.7	98		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	19.9	99		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	22.9	115		30 (32)	150 (176)
N5992-01	AOC2-B4-V1	Tetrachloro-m-xylene	1	20	20.3	101		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	19.7	98		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	22.3	112		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	23.4	117		30 (32)	150 (176)
N5992-02	AOC2-B4-S5	Tetrachloro-m-xylene	1	20	21.0	105		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	20.7	103		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	23.3	116		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	24.1	121		30 (32)	150 (176)
N5992-03	AOC2-B4-W5	Tetrachloro-m-xylene	1	20	21.1	106		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	20.9	105		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	23.3	117		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	24.1	120		30 (32)	150 (176)
I.BLK-PO091316.D	PIBLK-PO091316.D	Tetrachloro-m-xylene	1	20	20.3	102		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	19.7	99		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	23.5	118		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.5	117		70 (60)	130 (140)
N6024-01MS	TP-QMS	Tetrachloro-m-xylene	1	20	20.3	102		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	15.5	78		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	18.1	90		30 (32)	150 (176)
N6024-01MSD	TP-QMSD	Tetrachloro-m-xylene	1	20	20.3	102		30 (40)	150 (162)
		Decachlorobiphenyl	1	20	15.7	78		30 (32)	150 (176)
		Tetrachloro-m-xylene	2	20	21.4	107		30 (40)	150 (162)
		Decachlorobiphenyl	2	20	18.2	91		30 (32)	150 (176)
I.BLK-PO091327.D	PIBLK-PO091327.D	Tetrachloro-m-xylene	1	20	21.3	107		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	20.9	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	24.1	120		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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	Limits High
I.BLK-PO091327.D	PIBLK-PO091327.D	Decachlorobiphenyl	2	20	24.9	124		70 (60)	130 (140)

( ) = LABORATORY INHOUSE LIMIT

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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	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-QMS**											
N6024-01MS	AR1016	188.2	0	181	ug/kg	96				40 (70)	140 (142)	
	AR1260	188.2	0	162	ug/kg	86				40 (50)	140 (147)	

( ) = LABORATORY INHOUSE LIMIT

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

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	Limits Low	Limits High	Limits RPD
Client Sample ID:	**TP-QMSD**											
N6024-01MSD	AR1016	188.3	0	182	ug/kg	97		1		40 (70)	140 (142)	30 (20)
	AR1260	188.3	0	163	ug/kg	87		1		40 (50)	140 (147)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A **Datafile :** PO091303.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB149582BS	AR1016	166.5	140	ug/kg	84				40 (71)	140 (120)	
	AR1260	166.5	138	ug/kg	83				40 (65)	140 (130)	

( ) = LABORATORY INHOUSE LIMIT

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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

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

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	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.3		30 (40) - 150 (162)	97%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.2		30 (32) - 150 (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	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		70 (60) - 130 (140)	108%	SPK: 20

Comments:

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LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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() = Laboratory InHouse Limit

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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	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		70 (60) - 130 (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
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* = 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

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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	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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		70 (60) - 130 (140)	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		70 (60) - 130 (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
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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
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* = 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

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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	% Moisture:	100 Decanted:
Sample Wt/Vol:	1000 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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		70 (60) - 130 (140)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	105%	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

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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	% Moisture:	0 Decanted:
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		30 (40) - 150 (162)	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		30 (32) - 150 (176)	115%	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
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

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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-QMS	SDG No.:	N5992
Lab Sample ID:	N6024-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Moisture:	11.7 Decanted:
Sample Wt/Vol:	30.09 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (40) - 150 (162)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.1		30 (32) - 150 (176)	90%	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

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

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

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	% Moisture:	11.7 Decanted:
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0 PH :		

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
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		30 (40) - 150 (162)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.2		30 (32) - 150 (176)	91%	SPK: 20

Comments:

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Q = indicates LCS control criteria did not meet requirements
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* = Values outside of QC limits
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S = Indicates estimated value where valid five-point calibration was not performed prior to analyte detection in sample.
() = Laboratory InHouse Limit

CALIBRATION SUMMARY

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

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	RT WINDOW 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

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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	RT WINDOW 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

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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 =** 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	CF	% RSD
Aroclor-1016-1	(1)	106854042	111481239	115242532	118660092	110426580	112532897	4
Aroclor-1016-2	(2)	156084849	159605499	166747958	171269892	159184300	162578500	4
Aroclor-1016-3	(3)	95016165	99053503	104683820	117466180	105078860	104259706	8
Aroclor-1016-4	(4)	77143762	79387079	83196226	86315380	79119840	81032457	5
Aroclor-1016-5	(5)	77484548	81211693	85999388	102529260	91247940	87694566	11
Aroclor-1260-1	(1)	140897643	146695863	153703128	168976672	156761420	153406945	7
Aroclor-1260-2	(2)	162707985	168768947	176354108	183940604	180943580	174543045	5
Aroclor-1260-3	(3)	106665355	110511764	115587788	118719744	116884760	113673882	4
Aroclor-1260-4	(4)	127596674	132551059	138039620	143528344	135828240	135508787	4
Aroclor-1260-5	(5)	242666815	248620773	255719552	263403336	259598520	254001799	3
Decachlorobiphenyl		2549505130	2609073480	2714211800	2801618480	2606566200	2656195018	4
Tetrachloro-m-xylene		3377303670	3425982653	3502530020	3522997920	3076712200	3381105293	5
Aroclor-1242-1	(1)	84591037	87049721	91002128	96044636	87598980	89257300	5
Aroclor-1242-2	(2)	122519629	125426057	128567482	135420632	122909820	126968724	4
Aroclor-1242-3	(3)	75857635	81649764	86498072	86461076	86335340	83360377	6
Aroclor-1242-4	(4)	61338781	62949653	65234270	67593856	60512560	63525824	5
Aroclor-1242-5	(5)	63285468	68956228	72943308	70451932	66018660	68331119	6
Decachlorobiphenyl		2574954830	2691893187	2809591520	2895080760	2648135800	2723931219	5
Tetrachloro-m-xylene		3535472120	3581510093	3620957360	3620305360	3071362200	3485921427	7
Aroclor-1248-1	(1)	67399103	70785529	73027136	76724684	68229180	71233126	5
Aroclor-1248-2	(2)	92257256	96471665	107423956	112560956	121332020	106009171	11
Aroclor-1248-3	(3)	105651902	109793580	115906840	119977424	137077480	117681445	10
Aroclor-1248-4	(4)	113030907	117339501	122218722	126356308	132494160	122287920	6
Aroclor-1248-5	(5)	109630219	112907867	117186584	120634368	113123680	114696544	4
Decachlorobiphenyl		2647519410	2739659840	2860269620	2957960720	2658849000	2772851718	5
Tetrachloro-m-xylene		3575452090	3638182773	3652518020	3641447680	3037500000	3509020113	8
Aroclor-1268-1	(1)	354374176	372351213	375014764	389438428	350003620	368236440	4
Aroclor-1268-2	(2)	321120638	337298059	340450352	352134116	311611780	332522989	5
Aroclor-1268-3	(3)	275448911	290091168	292788254	301902120	264273380	284900767	5
Aroclor-1268-4	(4)	119186854	126140732	127989394	132295324	111602140	123442889	7
Aroclor-1268-5	(5)	899675600	935500956	932119722	949187112	833371560	909970990	5
Decachlorobiphenyl		4347320920	4589072973	4668168520	4894672880	4436876800	4587222419	5
Tetrachloro-m-xylene		3484936310	3634866627	3609257880	3639484400	3068128000	3487334643	7

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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	CF	% RSD
Aroclor-1016-1	(1)	34595131	35598599	37182726	39531024	37352480	36851992	5
Aroclor-1016-2	(2)	49075774	51016393	53169484	54730124	49654340	51529223	5
Aroclor-1016-3	(3)	26357285	27116936	28353826	27421568	26827600	27215443	3
Aroclor-1016-4	(4)	21775956	22781533	23914420	23455456	23650080	23115489	4
Aroclor-1016-5	(5)	27788411	29033116	30724364	31101428	28835920	29496648	5
Aroclor-1260-1	(1)	53463942	55564911	58596346	62192448	59693300	57902189	6
Aroclor-1260-2	(2)	63247481	65722315	69594558	73969296	68896440	68286018	6
Aroclor-1260-3	(3)	60038693	62006117	65487632	68530724	71902400	65593113	7
Aroclor-1260-4	(4)	44671864	46565905	48706388	50894448	47961320	47759985	5
Aroclor-1260-5	(5)	103936323	106576409	110457460	113444516	109146980	108712338	3
Decachlorobiphenyl		910413550	943185253	987655040	1044541440	968561600	970871377	5
Tetrachloro-m-xylene		1074212730	1028773053	1119241440	1060832680	964742400	1049560461	5
Aroclor-1242-1	(1)	27307860	28335383	29443854	31889884	28206180	29036632	6
Aroclor-1242-2	(2)	38375668	39653469	41027430	43378120	39116040	40310145	5
Aroclor-1242-3	(3)	20860742	20831503	21199176	22863132	18808960	20912703	7
Aroclor-1242-4	(4)	21826984	22355471	23140740	25032196	21815540	22834186	6
Aroclor-1242-5	(5)	26916812	28070315	29370244	30864376	25853960	28215141	7
Decachlorobiphenyl		935178660	976245267	1016643260	1082212520	1000296000	1002115141	5
Tetrachloro-m-xylene		1115140020	1135181787	1147846580	1170249880	994748800	1112633413	6
Aroclor-1248-1	(1)	22129404	23215576	24289584	24908116	23086300	23525796	5
Aroclor-1248-2	(2)	30812273	32224393	33745478	35620988	31296460	32739918	6
Aroclor-1248-3	(3)	31789630	33270783	34799922	36599636	33239140	33939822	5
Aroclor-1248-4	(4)	37555889	39041604	41100042	42815108	38999000	39902329	5
Aroclor-1248-5	(5)	34743653	36079901	37803158	39091544	31506980	35845047	8
Decachlorobiphenyl		959267770	992684653	1042514620	1100481120	1011846400	1021358913	5
Tetrachloro-m-xylene		1127850870	1147697720	1165392280	1159184800	975241600	1115073454	7
Aroclor-1268-1	(1)	141632934	149226852	151915134	156511024	146536780	149164545	4
Aroclor-1268-2	(2)	129189549	136189855	136379064	141468200	128631100	134371554	4
Aroclor-1268-3	(3)	108711433	114670044	117020084	123595720	113101640	115419784	5
Aroclor-1268-4	(4)	46507335	49480308	51320984	53198908	46161680	49333843	6
Aroclor-1268-5	(5)	327573873	342559536	345905390	354165324	322703160	338581457	4
Decachlorobiphenyl		1571001620	1653804280	1696461660	1806704920	1674687200	1680531936	5
Tetrachloro-m-xylene		1099750750	1148159960	1145658660	1148412520	927046000	1093805578	9

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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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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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 FROM	RT WINDOW TO	CALIBRATION FACTOR
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

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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	RT WINDOW 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

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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 FROM	RT WINDOW TO	DIFF RT
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

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

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	RT WINDOW 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

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

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	RT WINDOW 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

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

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	RT WINDOW 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

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

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 FROM	RT WINDOW TO	DIFF RT
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

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

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	RT WINDOW 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

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

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	RT WINDOW 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

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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 FROM	RT WINDOW 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)	5.66	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

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

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 FROM	RT WINDOW TO	DIFF RT
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

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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	RT WINDOW 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

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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	RT WINDOW 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 #
I.BLK	I.BLK	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
I.BLK	I.BLK	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
I.BLK	I.BLK	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
I.BLK	I.BLK	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 #
I.BLK	I.BLK	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
I.BLK	I.BLK	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
I.BLK	I.BLK	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
I.BLK	I.BLK	12/13/2022	23:18	PO091327.D	8.47	3.47

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

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

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

SAMPLE RAW DATA

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						

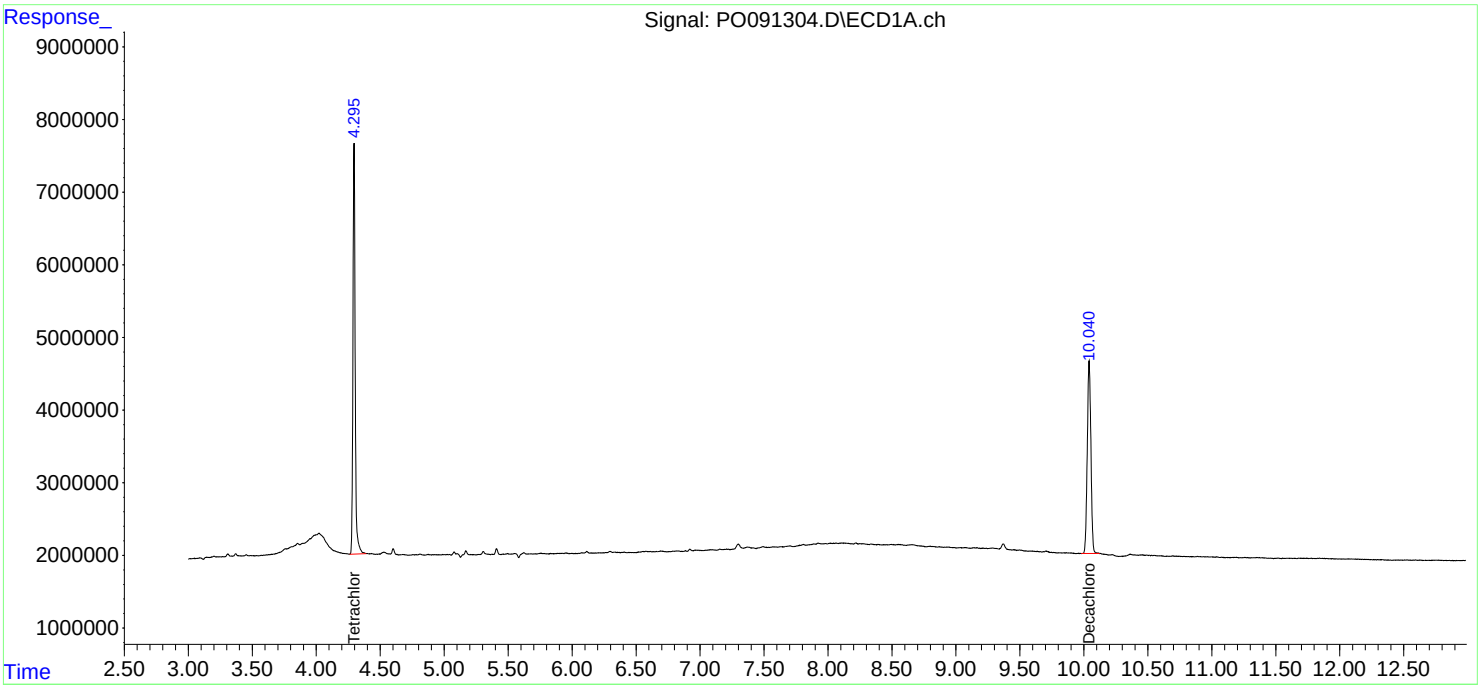
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

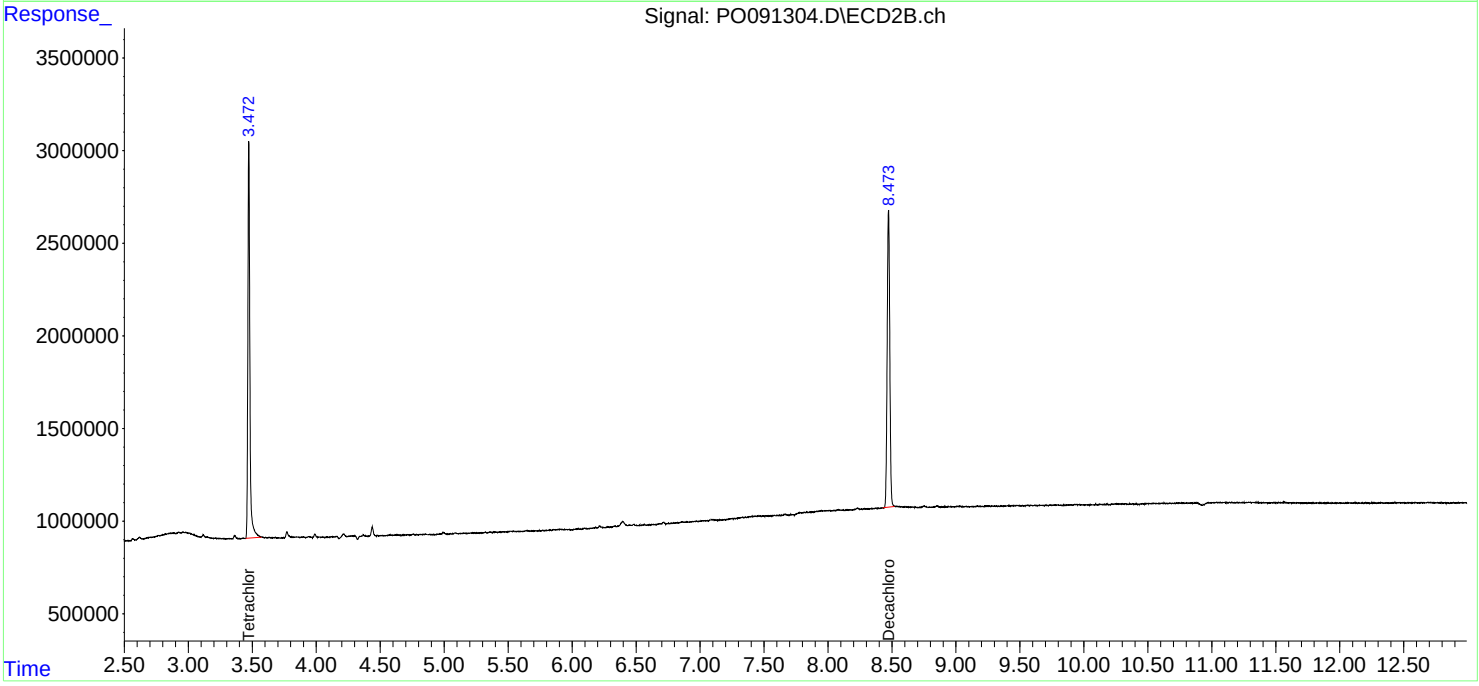
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091304.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:21
Operator : YP/AJ
Sample : N5992-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

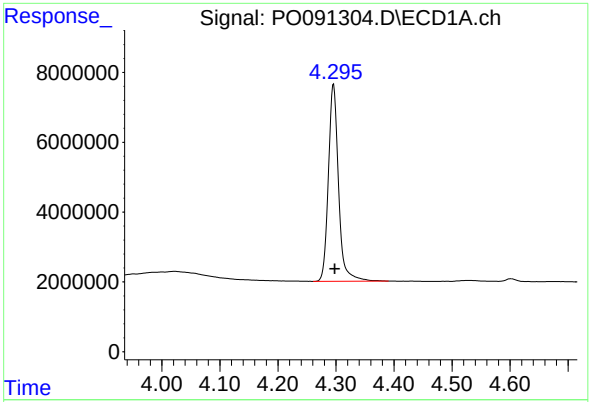
Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1

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



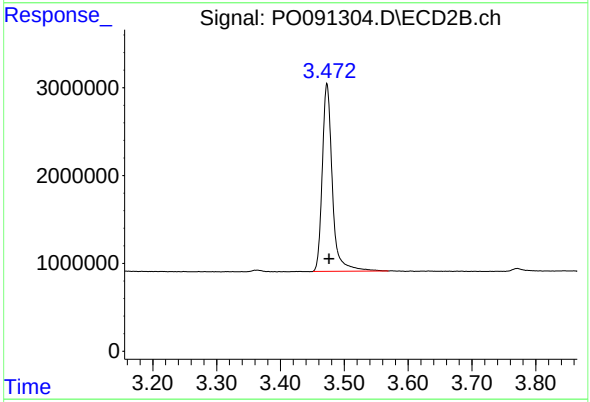




#1 Tetrachloro-m-xylene

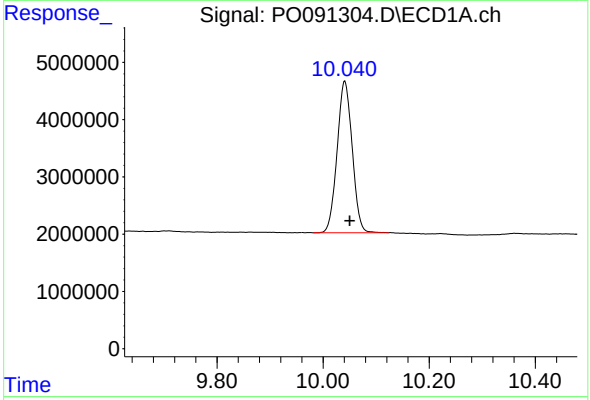
R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 68522310
Conc: 20.27 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1



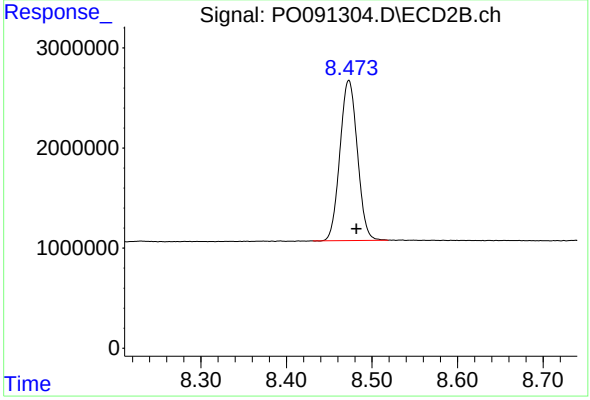
#1 Tetrachloro-m-xylene

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



#2 Decachlorobiphenyl

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



#2 Decachlorobiphenyl

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

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						

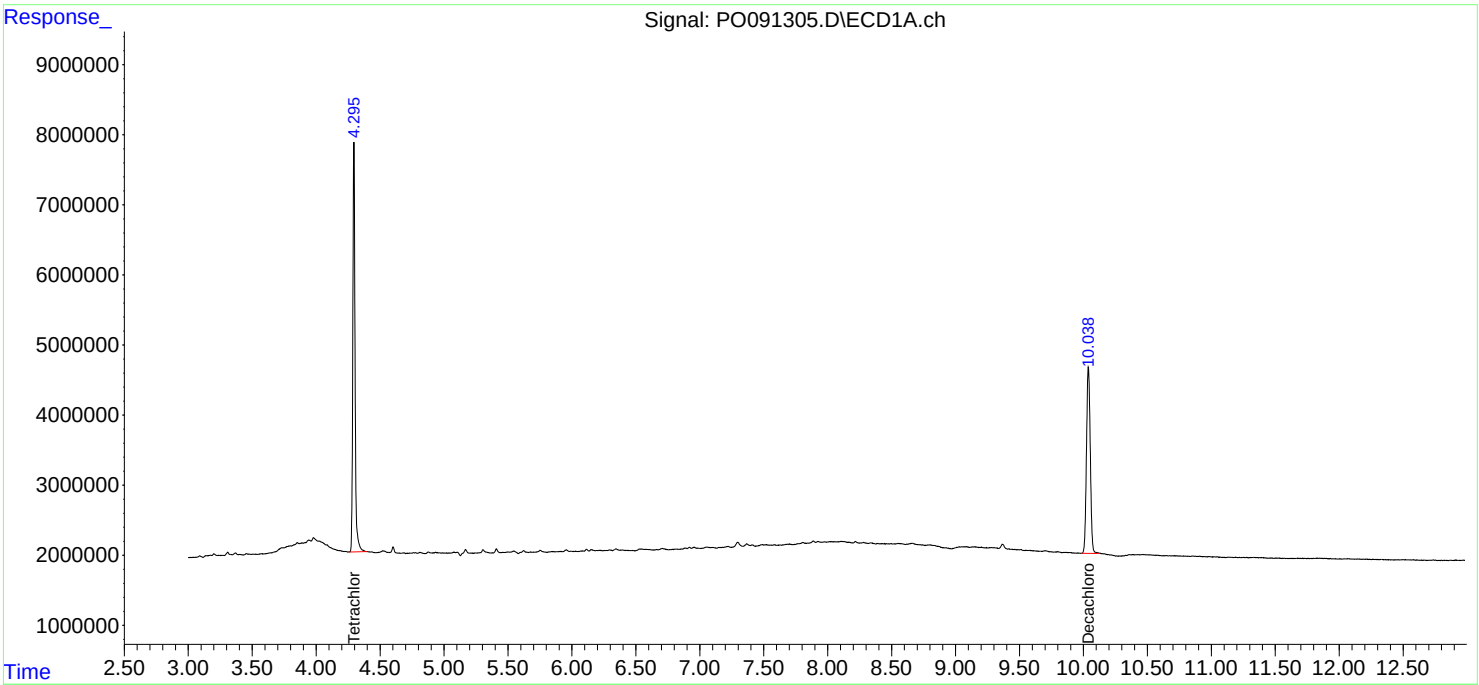
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

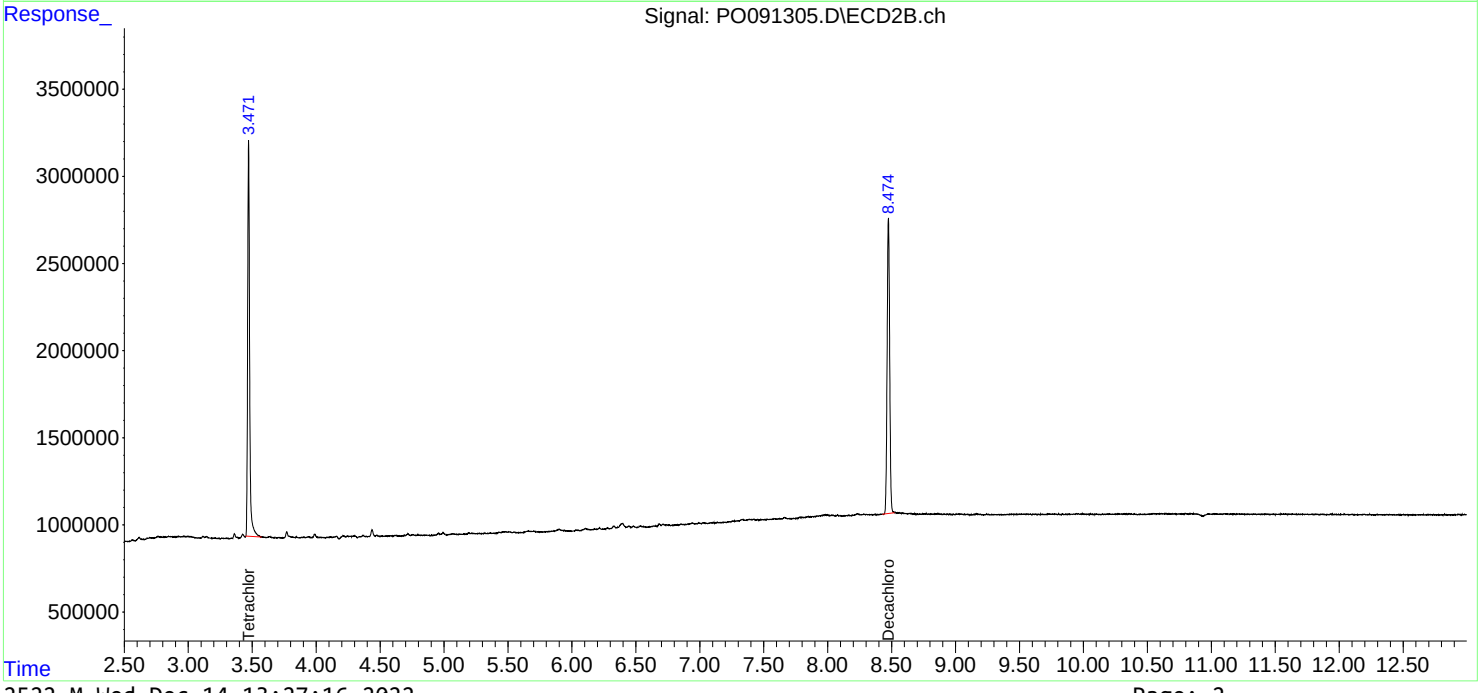
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:38
Operator : YP/AJ
Sample : N5992-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

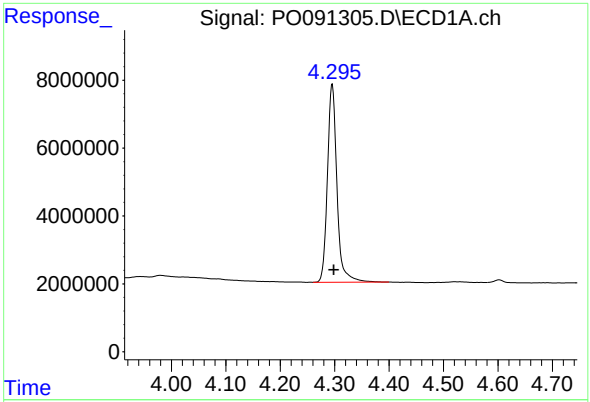
Instrument :
ECD_O
ClientSampleId :
AOC2-B4-S5

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



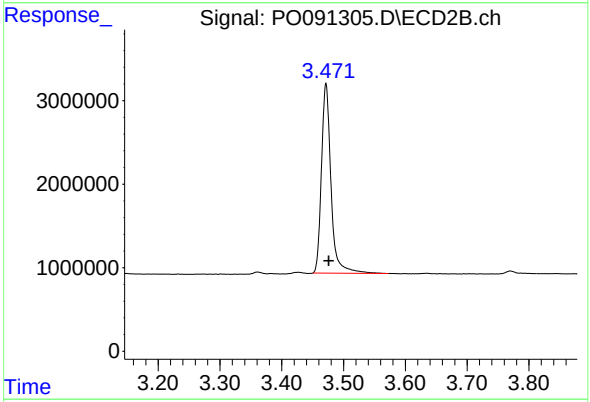




#1 Tetrachloro-m-xylene

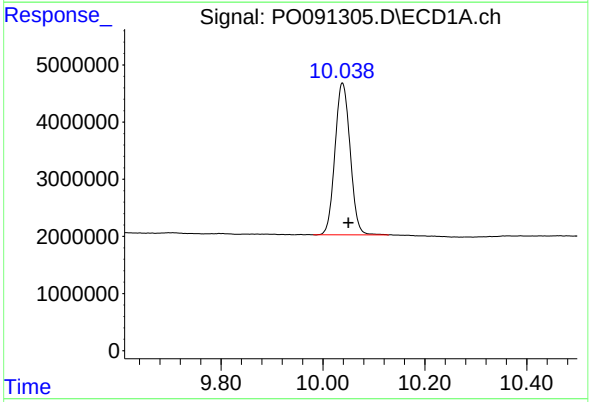
R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 71068693
Conc: 21.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-S5



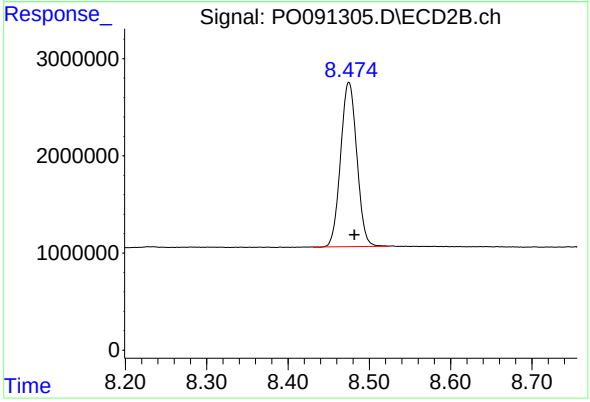
#1 Tetrachloro-m-xylene

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

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						

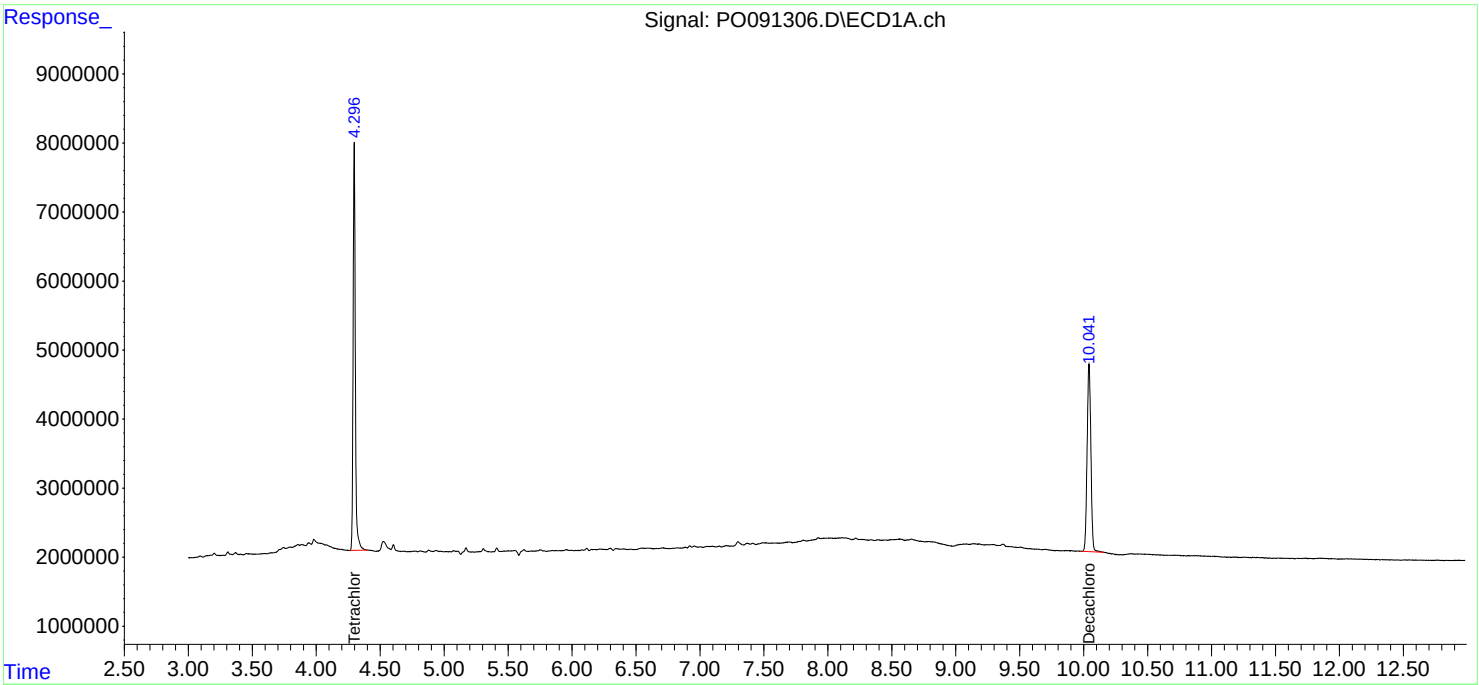
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

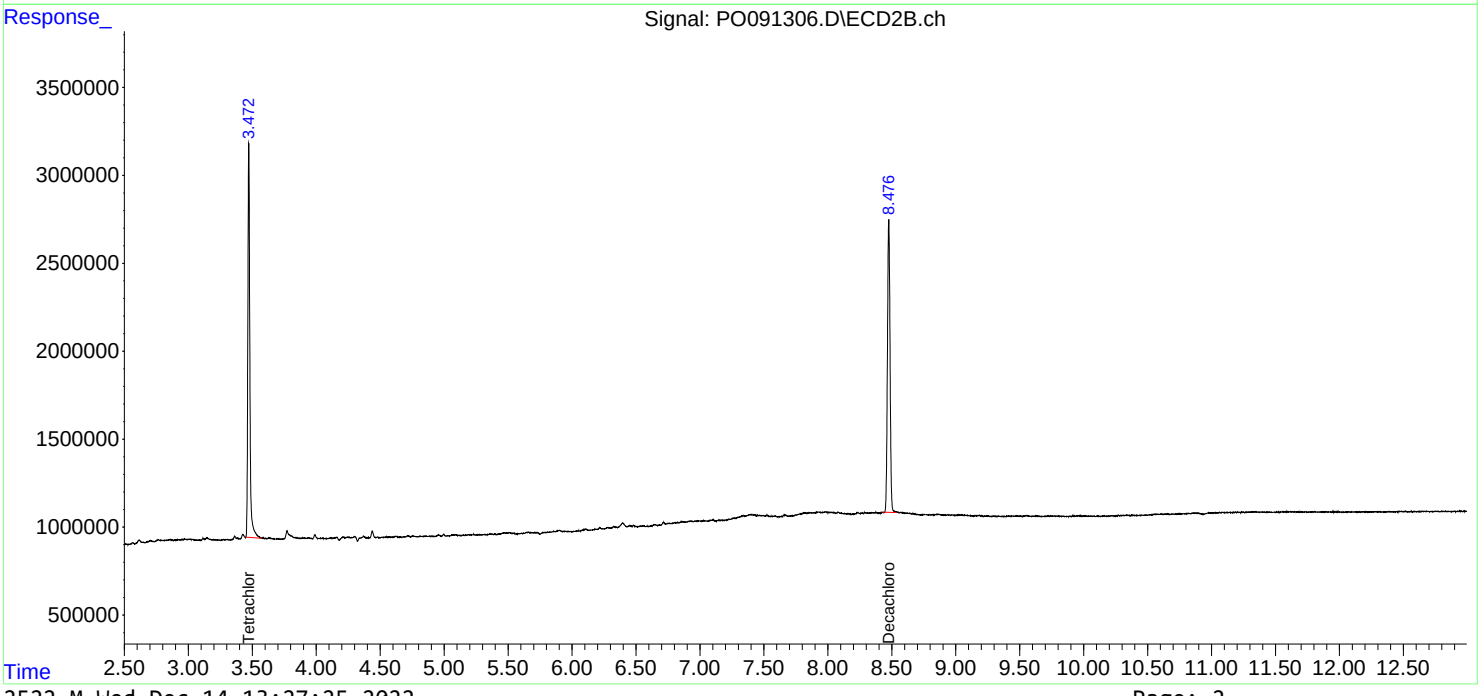
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:55
Operator : YP/AJ
Sample : N5992-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

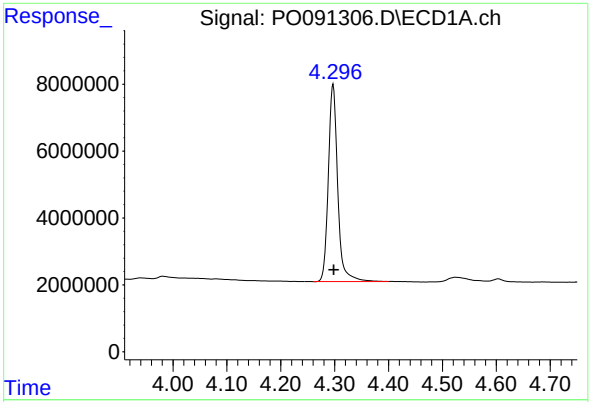
Instrument :
ECD_O
ClientSampleId :
AOC2-B4-W5

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



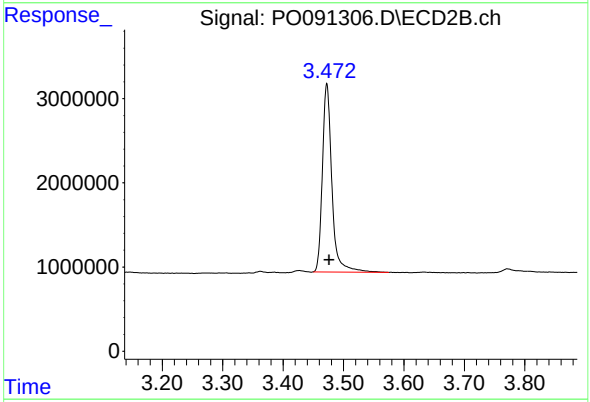




#1 Tetrachloro-m-xylene

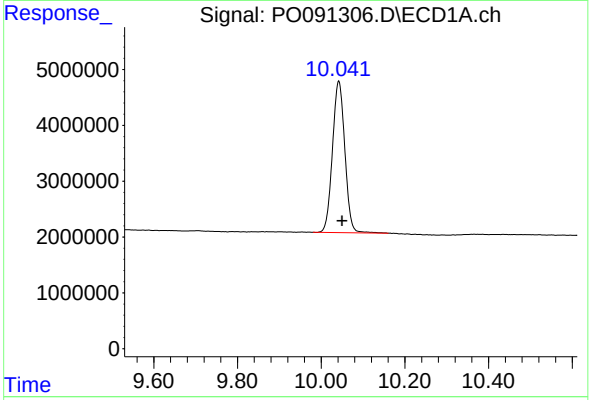
R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 71440593
Conc: 21.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-W5



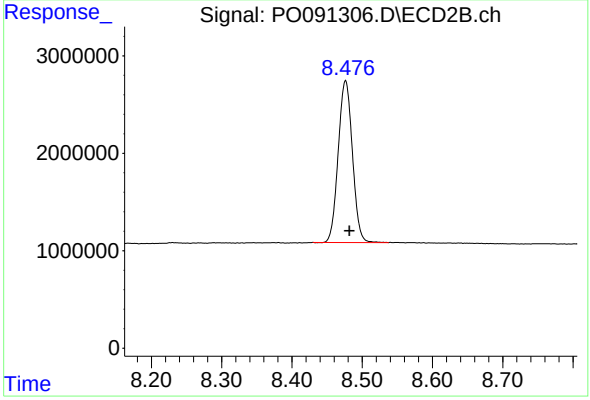
#1 Tetrachloro-m-xylene

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

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						

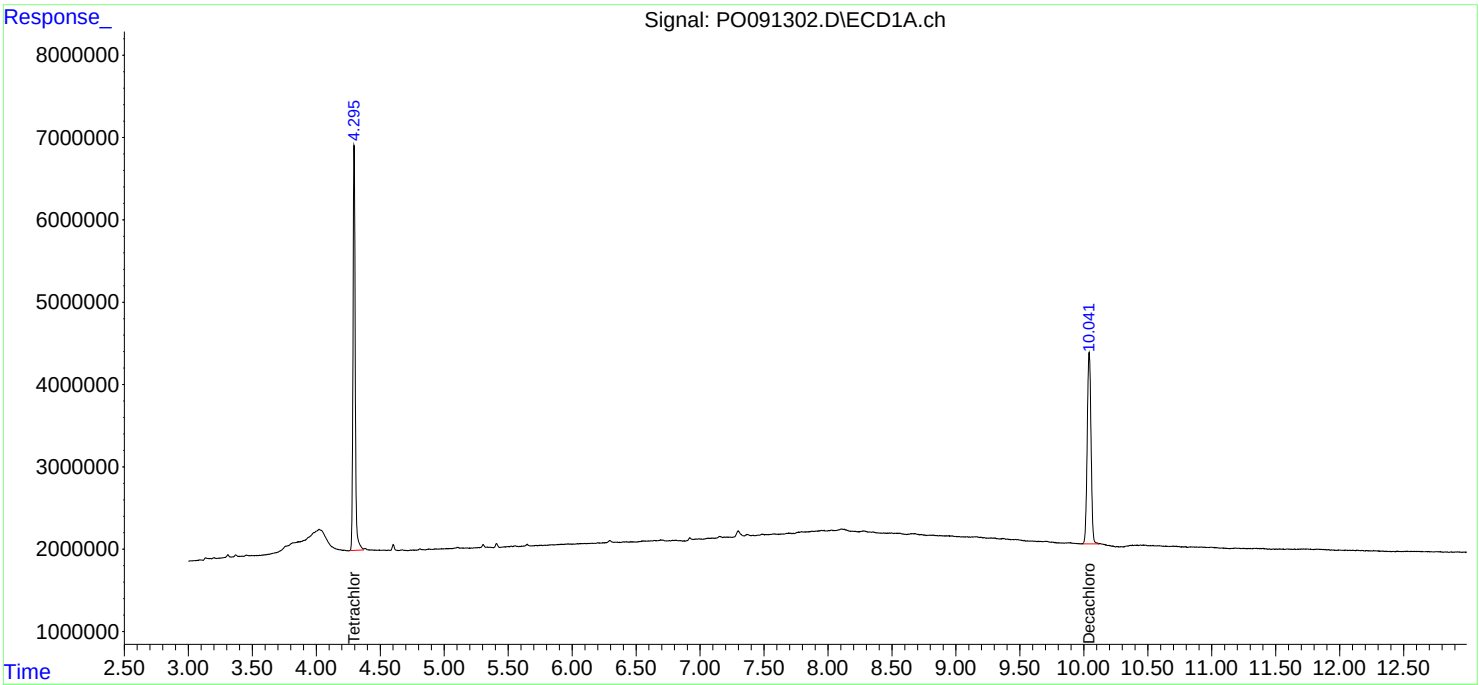
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

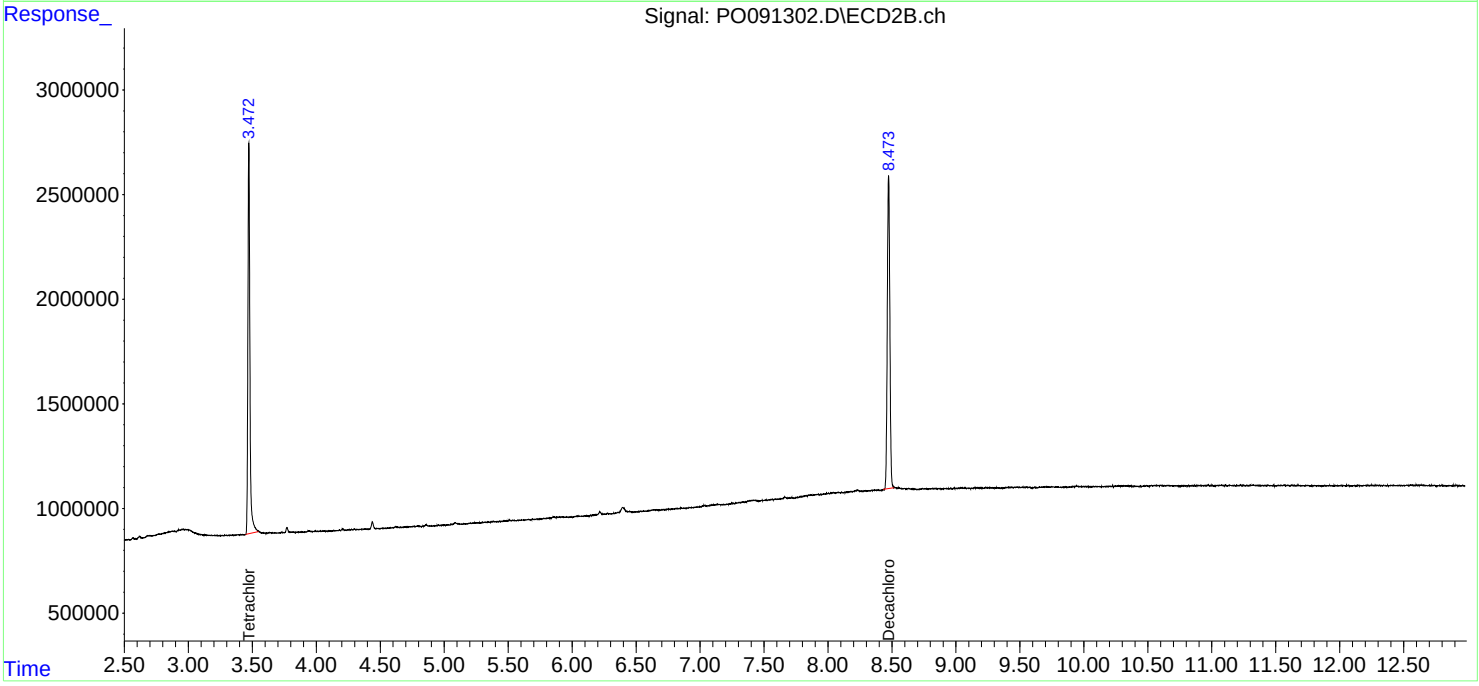
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 14:47
Operator : YP/AJ
Sample : PB149582BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB149582BL

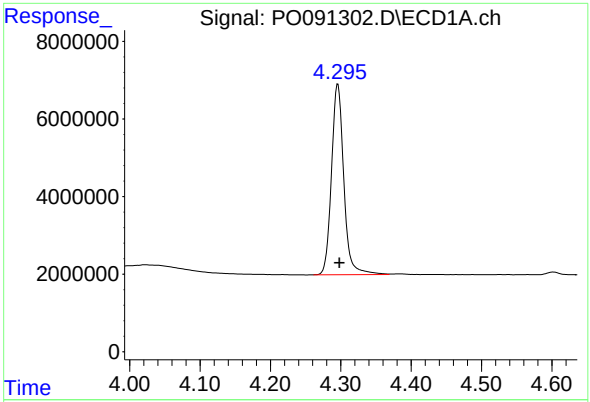
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 13 20:50:06 2022
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
Response via : Initial Calibration
Integrator: ChemStation

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



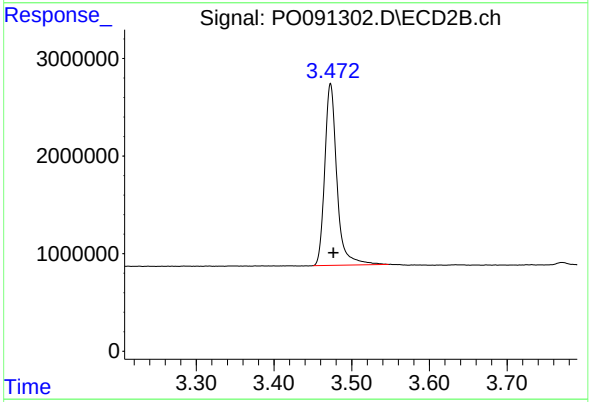


Instrument :
ECD_O
ClientSampleId :
PB149582BL



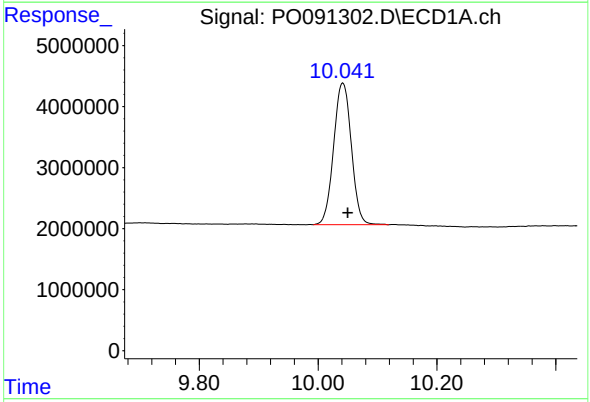
#1 Tetrachloro-m-xylene

R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 59724240
Conc: 17.66 ng/ml



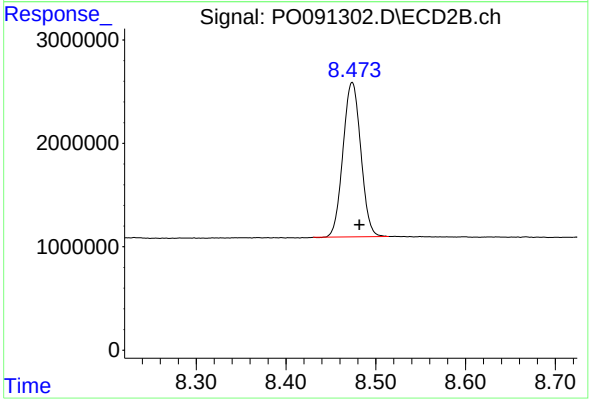
#1 Tetrachloro-m-xylene

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

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

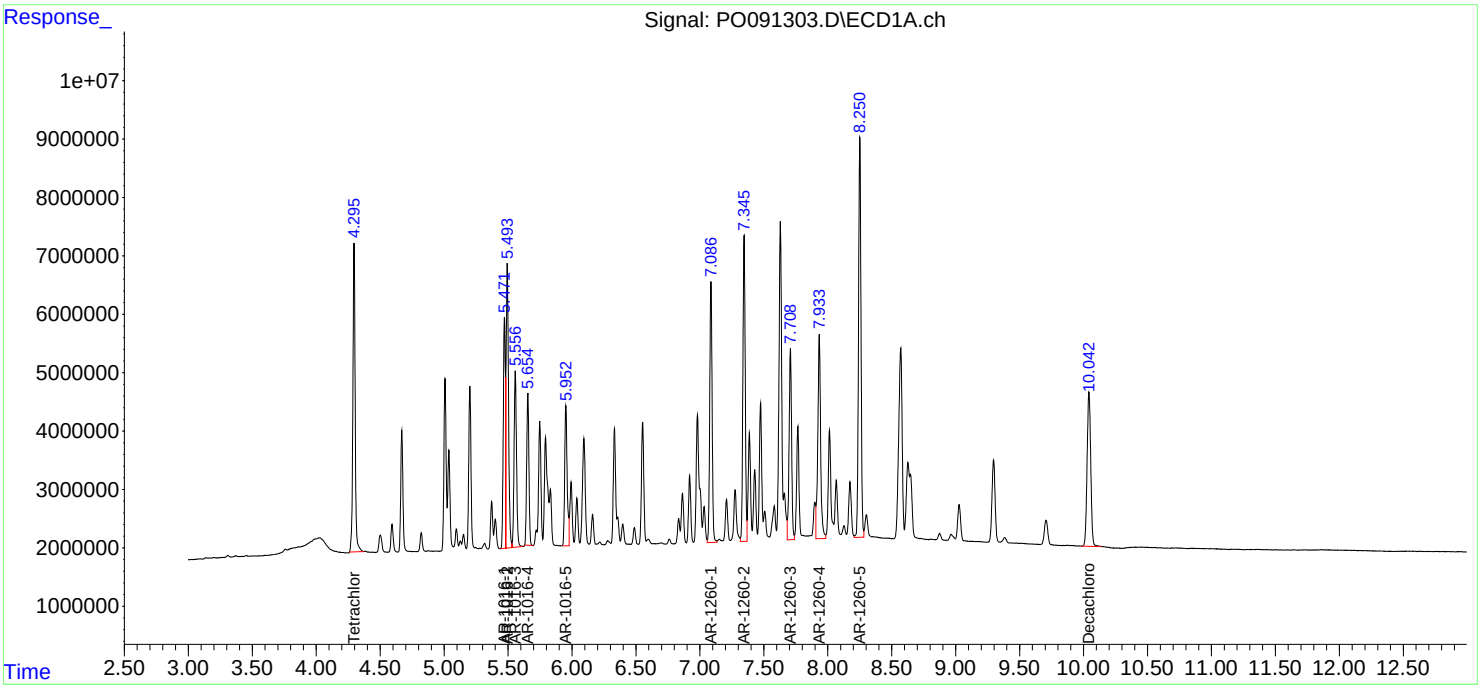
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

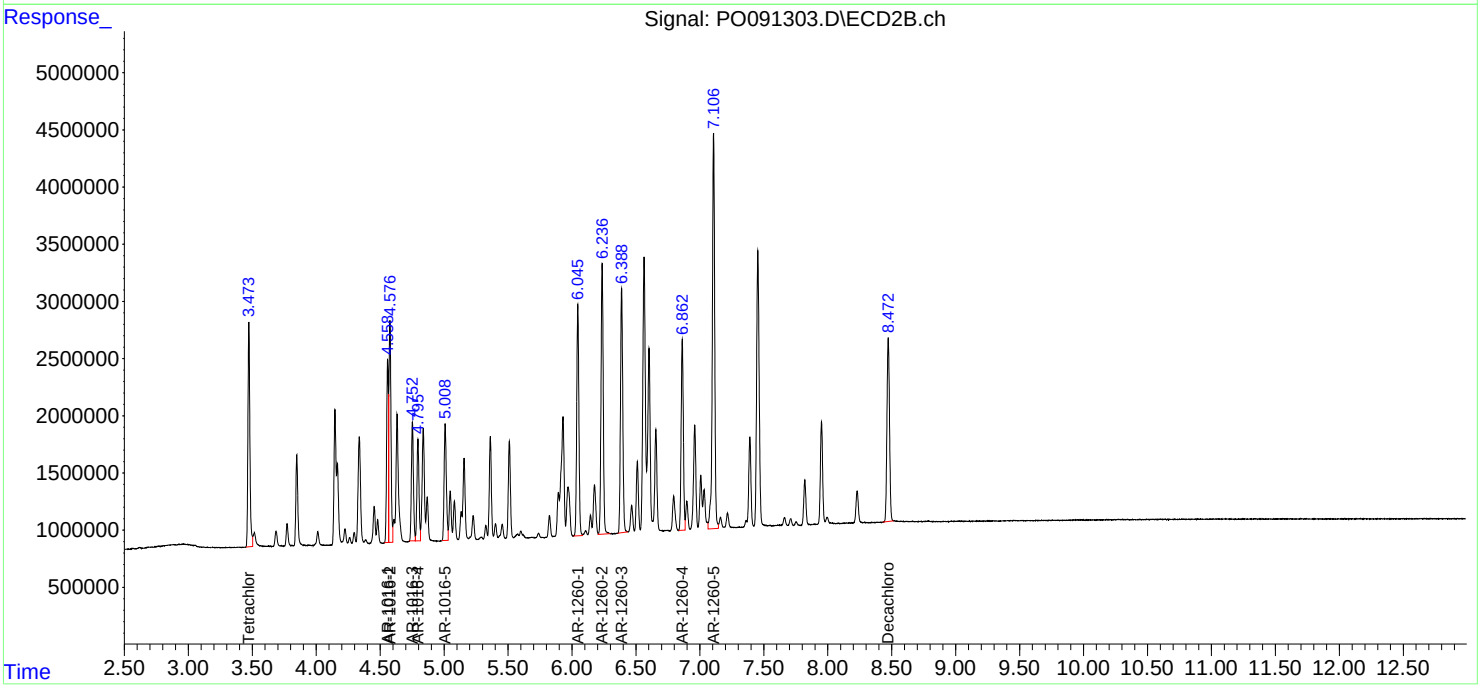
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091303.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:04
Operator : YP/AJ
Sample : PB149582BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

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





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

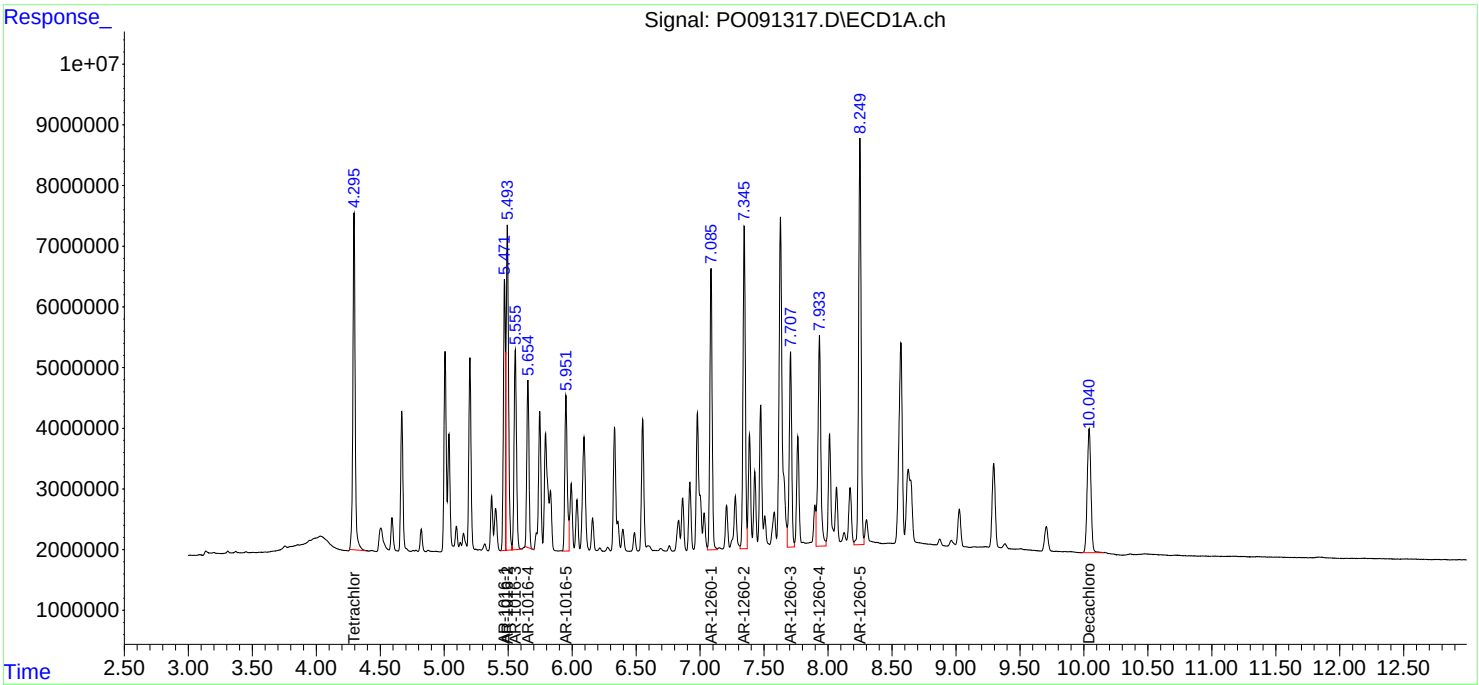
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

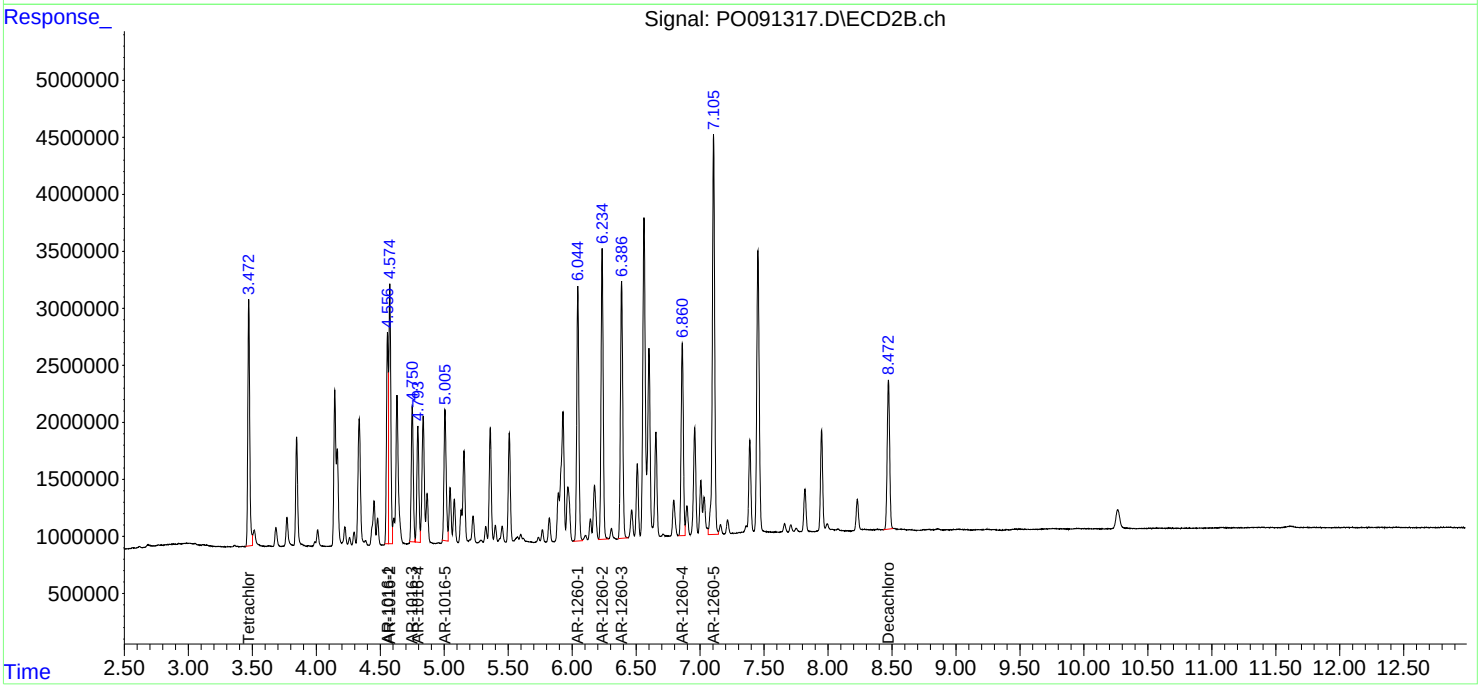
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091317.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 19:59
Operator : YP/AJ
Sample : N6024-01MS
Misc :
ALS Vial : 23 Sample Multiplier: 1

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





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

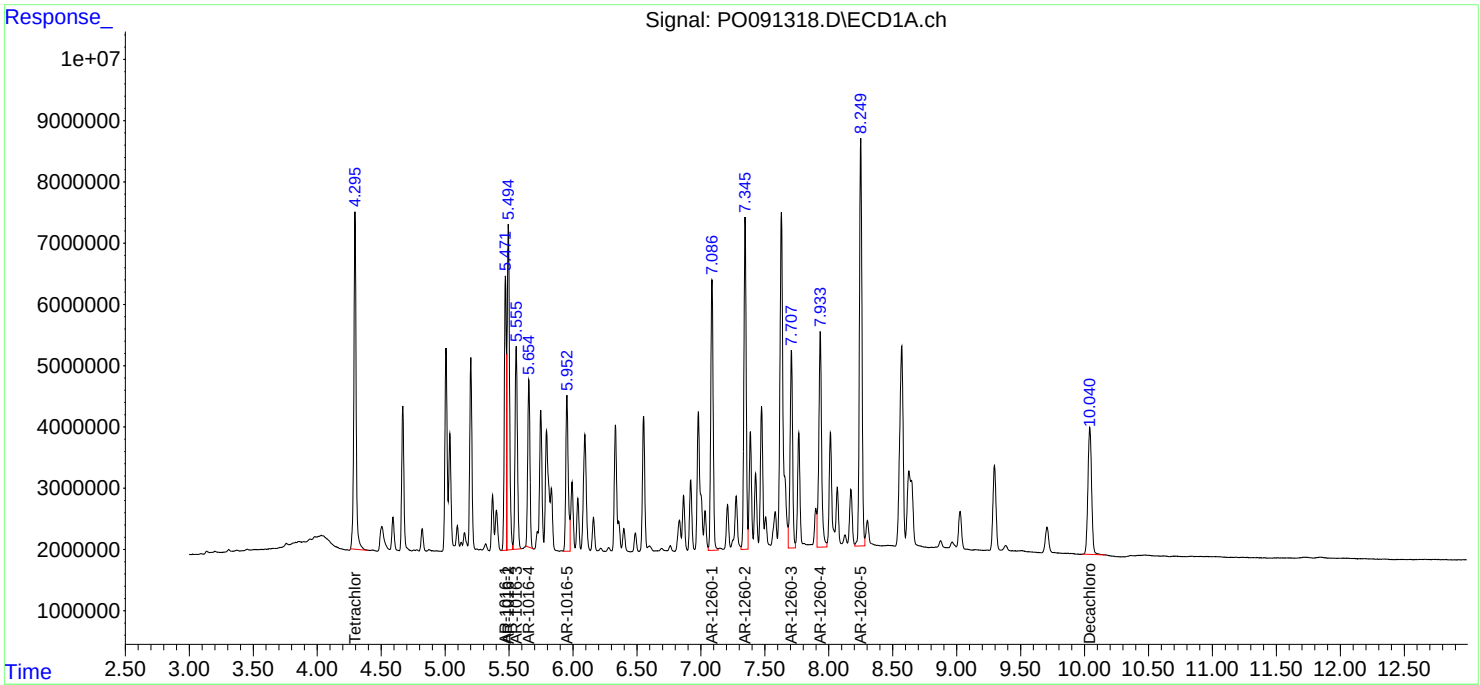
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

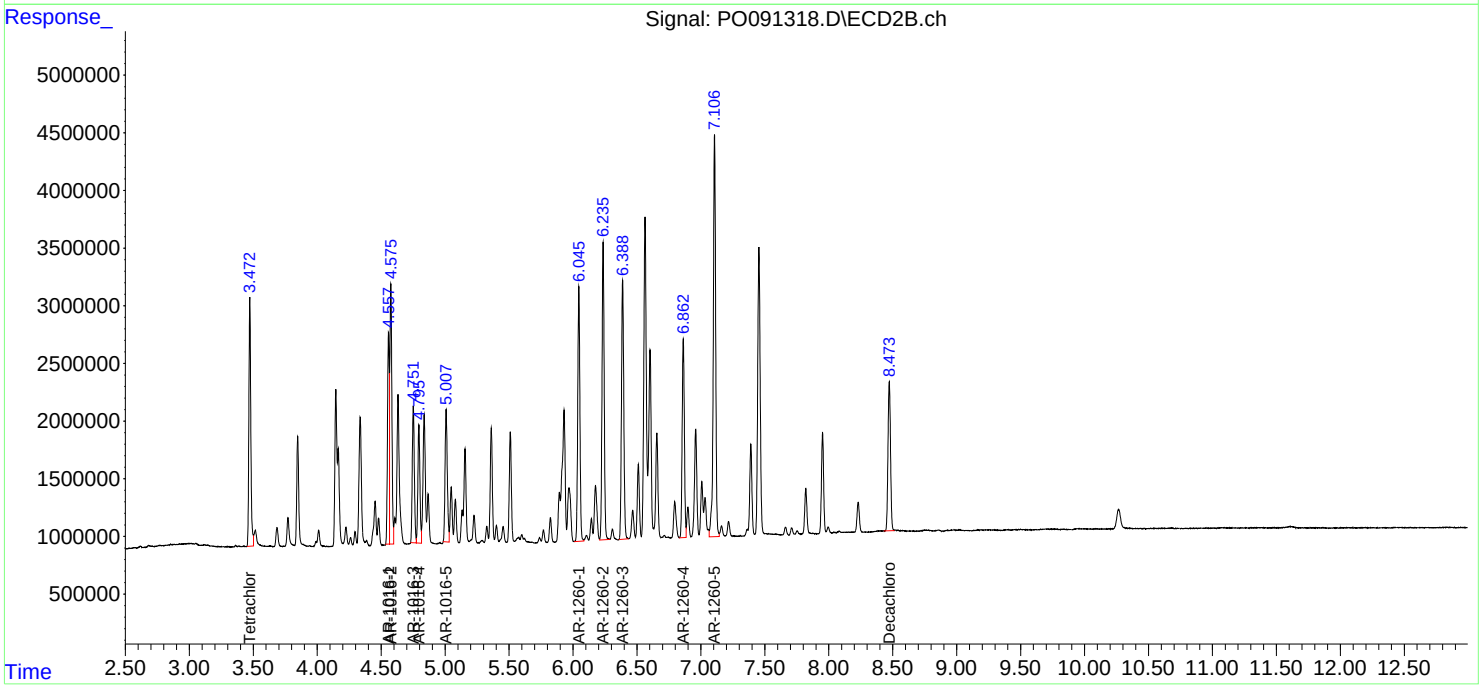
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091318.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 20:16
Operator : YP/AJ
Sample : N6024-01MSD
Misc :
ALS Vial : 24 Sample Multiplier: 1

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





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

Manual Integration Report

Sequence:	PO112522	Instrument	ECD_o

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

CHEMTECH

Manual Integration Report

Sequence:	PO121322	Instrument	ECD_o

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch 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	

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/QCBatch 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

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch 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/QCBatch 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

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch 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	

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

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch 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	

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/QCBatch 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	

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 analzyed 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

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Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch 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	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	Confirms
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/QCBatch 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	

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, clean up performed	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/QCBatch 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

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EXTRACTION LOGPAGE

PB149582

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: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	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 (EA · Lab)	R Post-/PCB Lab
12:35	**Preparation Group**	**Analysis Group**

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EXTRACTION LOGPAGE

PrepBatch ID : PB149582

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
N6024-01MSD	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 relinguished on the same date as received.**

12/13/22

N5992 12/13/22 9:10

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

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Date/Time 12/13/22 9:10
Raw Sample Received by: RJ (EXT- Lab)
Raw Sample Relinquished by: CP SM

Date/Time 12/13/22 9:30
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RJ (EXT- Lab)

CHEMTECH

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**			**12/08/22**			**12/09/22**
			PCB	8082A		12/13/22	12/13/22	
N5992-02	**AOC2-B4-S5**	**SOIL**			**12/08/22**			**12/09/22**
			PCB	8082A		12/13/22	12/13/22	
N5992-03	**AOC2-B4-W5**	**SOIL**			**12/08/22**			**12/09/22**
			PCB	8082A		12/13/22	12/13/22	

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

COMPANY: Remington & Vernick Engineers Inc. (RVE)
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: Marco Carulli
PHONE: 856-745-0129 FAX:

PROJECT INFORMATION

PROJECT NAME: Wildwood DPW Storage Yard
PROJECT #: 0514T294 LOCATION: NJ
PROJECT MANAGER: Marco Carulli
E-MAIL: Marco.Carulli@rve.com
PHONE: FAX:

BILLING INFORMATION

BILL TO: RVE PO# 0514T294
ADDRESS: 2059 Springdale Road
CITY: Cherry Hill STATE: NJ ZIP: 08003
ATTENTION: David Daniels & Lydiana Medina PHONE: 856-795-9595

DATA TURNAROUND INFORMATION

FAX: Marco.Carulli@rve.com / Standard DAYS*
HARD COPY: DAYS*
EDD DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☑ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

EDD Format NJ Hazsite

ANALYSIS

1	2	3	4	5	6	7	8	9
PCBs								

PRESERVATIVES

1	2	3	4	5	6	7	8	9
E								

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	AOC2 - B4 - V1	Soil		X	12/8/22	1305	1	X								
2.	AOC2 - B4 - SS	Soil		X	12/8/22	1310	1	X								
3.	AOC2 - 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 PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	12/8/22 1250	1. 12 9-22
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	12-9-22 1640	3. SB

Conditions of bottles or coolers at receipt: ☑ Compliant ☐ Non Compliant ☐ Cooler Temp 5.5
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?:
Comments:

Page 1 of 1

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

Shipment Complete
☐ YES ☐ NO

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

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	T104704488-22-15