



Hit Summary Sheet
SW-846

SDG No.:

N5992

Order ID:

N5992

Client:

Remington & Vernick Engineers

Project ID:

Wildwood DPW Storage Yard Site - # 1

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

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

SAMPLE DATA



Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	12/08/22
Project:	Wildwood DPW Storage Yard Site - # 0514T294	Date Received:	12/09/22
Client Sample ID:	AOC2-B4-V1	SDG No.:	N5992
Lab Sample ID:	N5992-01	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	99.7
Sample Wt/Vol:	30.07 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB Group1
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091304.D	1	12/13/22 09:15	12/13/22 15:21	PB149582

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

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D = Dilution

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

() = Laboratory InHouse Limit



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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		% Solid:	99.8	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091305.D	1	12/13/22 09:15	12/13/22 15:38	PB149582

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

Comments:

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Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/08/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/09/22	
Client Sample ID:	AOC2-B4-W5		SDG No.:	N5992	
Lab Sample ID:	N5992-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	99.9	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091306.D	1	12/13/22 09:15	12/13/22 15:55	PB149582

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

Comments:

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QC SUMMARY

A

B

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J

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Surrogate Summary

SDG No.: N5992

Client: Remington & Vernick Engineers

Analytical Method: 8082A

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



Surrogate Summary

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

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

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



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



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



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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	Low	Limits	RPD
								Qual		High	
PB149582BS	AR1016	166.5	140	ug/kg	84				71	120	
	AR1260	166.5	138	ug/kg	83				65	130	



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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

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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		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091302.D	1	12/13/22 09:15	12/13/22 14:47	PB149582

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

Comments:

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Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	11/25/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	11/25/22	
Client Sample ID:	PIBLK-PO090933.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO090933.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO090933.D	1		11/25/22	PO112522

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.5		60 - 140	108%	SPK: 20

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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		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091301.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.4		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	102%	SPK: 20

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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

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/13/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/13/22	
Client Sample ID:	PIBLK-PO091316.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO091316.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091316.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		60 - 140	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		60 - 140	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Remington & Vernick Engineers		Date Collected:	12/13/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/13/22	
Client Sample ID:	PIBLK-PO091327.D		SDG No.:	N5992	
Lab Sample ID:	I.BLK-PO091327.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091327.D	1		12/13/22	PO121322

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.14	U	0.14	0.50	ug/L
11104-28-2	Aroclor-1221	0.14	U	0.14	0.50	ug/L
11141-16-5	Aroclor-1232	0.17	U	0.17	0.50	ug/L
53469-21-9	Aroclor-1242	0.12	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.15	U	0.15	0.50	ug/L
11097-69-1	Aroclor-1254	0.22	U	0.22	0.50	ug/L
11096-82-5	Aroclor-1260	0.11	U	0.11	0.50	ug/L
37324-23-5	Aroclor-1262	0.17	U	0.17	0.50	ug/L
11100-14-4	Aroclor-1268	0.13	U	0.13	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		60 - 140	105%	SPK: 20

Comments:

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:		
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:		
Client Sample ID:	PB149582BS		SDG No.:	N5992	
Lab Sample ID:	PB149582BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091303.D	1	12/13/22 09:15	12/13/22 15:04	PB149582

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

Comments:

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

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D = Dilution

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

() = Laboratory InHouse Limit



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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		% Solid:	88.3	Decanted:
Sample Wt/Vol:	30.09	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091317.D	1	12/13/22 09:15	12/13/22 19:59	PB149582

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

Comments:

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:	12/12/22	
Project:	Wildwood DPW Storage Yard Site - # 0514T294		Date Received:	12/12/22	
Client Sample ID:	TP-QMSD		SDG No.:	N5992	
Lab Sample ID:	N6024-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	88.3	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO091318.D	1	12/13/22 09:15	12/13/22 20:16	PB149582

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

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

CALIBRATION SUMMARY

A

B

C

D

E

F

G

H

I

J

K

L

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>REMI02</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>N5992</u>	SAS No.:	<u>N5992</u>	SDG NO.:	<u>N5992</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>11/25/2022</u>	<u>11/26/2022</u>		
		Calibration Times:		<u>20:41</u>	<u>04:21</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO090934.D</u>	RT 750 =	<u>PO090935.D</u>
	RT 500 =	PO090936.D	RT 250 =	PO090937.D
			RT 050 =	PO090938.D

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Contract:	<u>REMI02</u>						
Lab Code:	<u>CHEM</u>	Case No.:	<u>N5992</u>	SAS No.:	<u>N5992</u>	SDG NO.:	<u>N5992</u>
Instrument ID:	<u>ECD_O</u>	Calibration Date(s):		<u>11/25/2022</u>	<u>11/26/2022</u>		
		Calibration Times:		<u>20:41</u>	<u>04:21</u>		

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

LAB FILE ID:	RT 1000 =	<u>PO090934.D</u>	RT 750 =	<u>PO090935.D</u>
	RT 500 =	PO090936.D	RT 250 =	PO090937.D
			RT 050 =	PO090938.D

[illegible]

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: REMI02

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

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

Calibration Times: 20:41 04:21

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

LAB FILE ID: CF 1000 = <u>PO090934.D</u> CF 750 = <u>PO090935.D</u> CF 500 = <u>PO090936.D</u> CF 250 = <u>PO090937.D</u> CF 050 = <u>PO090938.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	106854042	111481239	115242532	118660092	110426580	4
Aroclor-1016-2	(2)	156084849	159605499	166747958	171269892	159184300	4
Aroclor-1016-3	(3)	95016165	99053503	104683820	117466180	105078860	8
Aroclor-1016-4	(4)	77143762	79387079	83196226	86315380	79119840	5
Aroclor-1016-5	(5)	77484548	81211693	85999388	102529260	91247940	11
Aroclor-1260-1	(1)	140897643	146695863	153703128	168976672	156761420	7
Aroclor-1260-2	(2)	162707985	168768947	176354108	183940604	180943580	5
Aroclor-1260-3	(3)	106665355	110511764	115587788	118719744	116884760	4
Aroclor-1260-4	(4)	127596674	132551059	138039620	143528344	135828240	4
Aroclor-1260-5	(5)	242666815	248620773	255719552	263403336	259598520	3
Decachlorobiphenyl		2549505130	2609073480	2714211800	2801618480	2606566200	4
Tetrachloro-m-xylene		3377303670	3425982653	3502530020	3522997920	3076712200	5
Aroclor-1242-1	(1)	84591037	87049721	91002128	96044636	87598980	5
Aroclor-1242-2	(2)	122519629	125426057	128567482	135420632	122909820	4
Aroclor-1242-3	(3)	75857635	81649764	86498072	86461076	86335340	6
Aroclor-1242-4	(4)	61338781	62949653	65234270	67593856	60512560	5
Aroclor-1242-5	(5)	63285468	68956228	72943308	70451932	66018660	6
Decachlorobiphenyl		2574954830	2691893187	2809591520	2895080760	2648135800	5
Tetrachloro-m-xylene		3535472120	3581510093	3620957360	3620305360	3071362200	7
Aroclor-1248-1	(1)	67399103	70785529	73027136	76724684	68229180	5
Aroclor-1248-2	(2)	92257256	96471665	107423956	112560956	121332020	11
Aroclor-1248-3	(3)	105651902	109793580	115906840	119977424	137077480	10
Aroclor-1248-4	(4)	113030907	117339501	122218722	126356308	132494160	6
Aroclor-1248-5	(5)	109630219	112907867	117186584	120634368	113123680	4
Decachlorobiphenyl		2647519410	2739659840	2860269620	2957960720	2658849000	5
Tetrachloro-m-xylene		3575452090	3638182773	3652518020	3641447680	3037500000	8
Aroclor-1268-1	(1)	354374176	372351213	375014764	389438428	350003620	4
Aroclor-1268-2	(2)	321120638	337298059	340450352	352134116	311611780	5
Aroclor-1268-3	(3)	275448911	290091168	292788254	301902120	264273380	5
Aroclor-1268-4	(4)	119186854	126140732	127989394	132295324	111602140	7
Aroclor-1268-5	(5)	899675600	935500956	932119722	949187112	833371560	5
Decachlorobiphenyl		4347320920	4589072973	4668168520	4894672880	4436876800	5
Tetrachloro-m-xylene		3484936310	3634866627	3609257880	3639484400	3068128000	7

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: <u>CF 1000 = PO090934.D</u> <u>CF 750 = PO090935.D</u> <u>CF 500 = PO090936.D</u> <u>CF 250 = PO090937.D</u> <u>CF 050 = PO090938.D</u>							
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	34595131	35598599	37182726	39531024	37352480	5
Aroclor-1016-2	(2)	49075774	51016393	53169484	54730124	49654340	5
Aroclor-1016-3	(3)	26357285	27116936	28353826	27421568	26827600	3
Aroclor-1016-4	(4)	21775956	22781533	23914420	23455456	23650080	4
Aroclor-1016-5	(5)	27788411	29033116	30724364	31101428	28835920	5
Aroclor-1260-1	(1)	53463942	55564911	58596346	62192448	59693300	6
Aroclor-1260-2	(2)	63247481	65722315	69594558	73969296	68896440	6
Aroclor-1260-3	(3)	60038693	62006117	65487632	68530724	71902400	7
Aroclor-1260-4	(4)	44671864	46565905	48706388	50894448	47961320	5
Aroclor-1260-5	(5)	103936323	106576409	110457460	113444516	109146980	3
Decachlorobiphenyl		910413550	943185253	987655040	1044541440	968561600	5
Tetrachloro-m-xylene		1074212730	1028773053	1119241440	1060832680	964742400	5
Aroclor-1242-1	(1)	27307860	28335383	29443854	31889884	28206180	6
Aroclor-1242-2	(2)	38375668	39653469	41027430	43378120	39116040	5
Aroclor-1242-3	(3)	20860742	20831503	21199176	22863132	18808960	7
Aroclor-1242-4	(4)	21826984	22355471	23140740	25032196	21815540	6
Aroclor-1242-5	(5)	26916812	28070315	29370244	30864376	25853960	7
Decachlorobiphenyl		935178660	976245267	1016643260	1082212520	1000296000	5
Tetrachloro-m-xylene		1115140020	1135181787	1147846580	1170249880	994748800	6
Aroclor-1248-1	(1)	22129404	23215576	24289584	24908116	23086300	5
Aroclor-1248-2	(2)	30812273	32224393	33745478	35620988	31296460	6
Aroclor-1248-3	(3)	31789630	33270783	34799922	36599636	33239140	5
Aroclor-1248-4	(4)	37555889	39041604	41100042	42815108	38999000	5
Aroclor-1248-5	(5)	34743653	36079901	37803158	39091544	31506980	8
Decachlorobiphenyl		959267770	992684653	1042514620	1100481120	1011846400	5
Tetrachloro-m-xylene		1127850870	1147697720	1165392280	1159184800	975241600	7
Aroclor-1268-1	(1)	141632934	149226852	151915134	156511024	146536780	4
Aroclor-1268-2	(2)	129189549	136189855	136379064	141468200	128631100	4
Aroclor-1268-3	(3)	108711433	114670044	117020084	123595720	113101640	5
Aroclor-1268-4	(4)	46507335	49480308	51320984	53198908	46161680	6
Aroclor-1268-5	(5)	327573873	342559536	345905390	354165324	322703160	4
Decachlorobiphenyl		1571001620	1653804280	1696461660	1806704920	1674687200	5
Tetrachloro-m-xylene		1099750750	1148159960	1145658660	1148412520	927046000	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		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.51	4.41	4.61	40852800
		2	4.60	4.50	4.70	30331600
		3	4.67	4.57	4.77	92000600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.67	4.57	4.77	71951200
		2	5.21	5.11	5.31	43323200
		3	5.50	5.40	5.60	74720800
		4	5.66	5.56	5.76	37476400
		5	5.75	5.65	5.85	29903600
Aroclor-1254	500	1	6.34	6.24	6.44	129254000
		2	6.56	6.46	6.66	197008000
		3	6.93	6.83	7.03	196492000
		4	7.21	7.11	7.31	144588000
		5	7.64	7.54	7.74	161211000
Aroclor-1262	500	1	7.71	7.61	7.81	182711000
		2	8.26	8.16	8.36	309336000
		3	8.57	8.47	8.67	215604000
		4	8.65	8.55	8.75	99540400
		5	9.30	9.20	9.40	115430000



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



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

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022Client Sample No.: CCAL01 Date Analyzed: 12/13/2022Lab Sample No.: AR1660CCC500 Data File : PO091297.D Time Analyzed: 13:22

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

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022Client Sample No.: CCAL01 Date Analyzed: 12/13/2022Lab Sample No.: AR1660CCC500 Data File : PO091297.D Time Analyzed: 13:22

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
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



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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: 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		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.47	5.48	5.38	5.58	0.01
Aroclor-1016-2	(2)	5.49	5.50	5.40	5.60	0.01
Aroclor-1016-3	(3)	5.56	5.56	5.46	5.66	0.00
Aroclor-1016-4	(4)	5.65	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



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

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

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

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022Client Sample No.: CCAL02 Date Analyzed: 12/13/2022Lab Sample No.: AR1660CCC500 Data File : PO091312.D Time Analyzed: 18:34

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

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02
Lab Code: CHEM **Case No.:** N5992 **SAS No.:** N5992 **SDG NO.:** N5992
GC Column: ZB-MR2 **ID:** 0.32 (mm) **Initi. Calib. Date(s):** 11/25/2022 11/25/2022

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

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

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



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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-MR2 ID: 0.32 (mm)

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

CALIBRATION VERIFICATION SUMMARY

Contract: REMI02Lab Code: CHEM Case No.: N5992 SAS No.: N5992 SDG NO.: N5992GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/25/2022 11/25/2022Client Sample No.: CCAL03 Date Analyzed: 12/13/2022Lab Sample No.: AR1660CCC500 Data File : PO091323.D Time Analyzed: 22:10

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

Analytical Sequence

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

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

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

Analytical Sequence

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

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

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



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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB149582BS

Contract: REMI02

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

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

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

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

Data file PO091303.D

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-QMS

Contract: REMI02

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

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

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

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

Data file PO091317.D

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

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

TP-QMSD

Contract: REMI02

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

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

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

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

Data file PO091318.D

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

SAMPLE
RAW
DATA

A

B

C

D

E

F

G

H

I

J

K

L

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

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

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.296	3.473	68522310	23440468	20.266	22.334
2) SA Decachlor...	10.041	8.473	52212887	22675591	19.657	23.356

Target Compounds

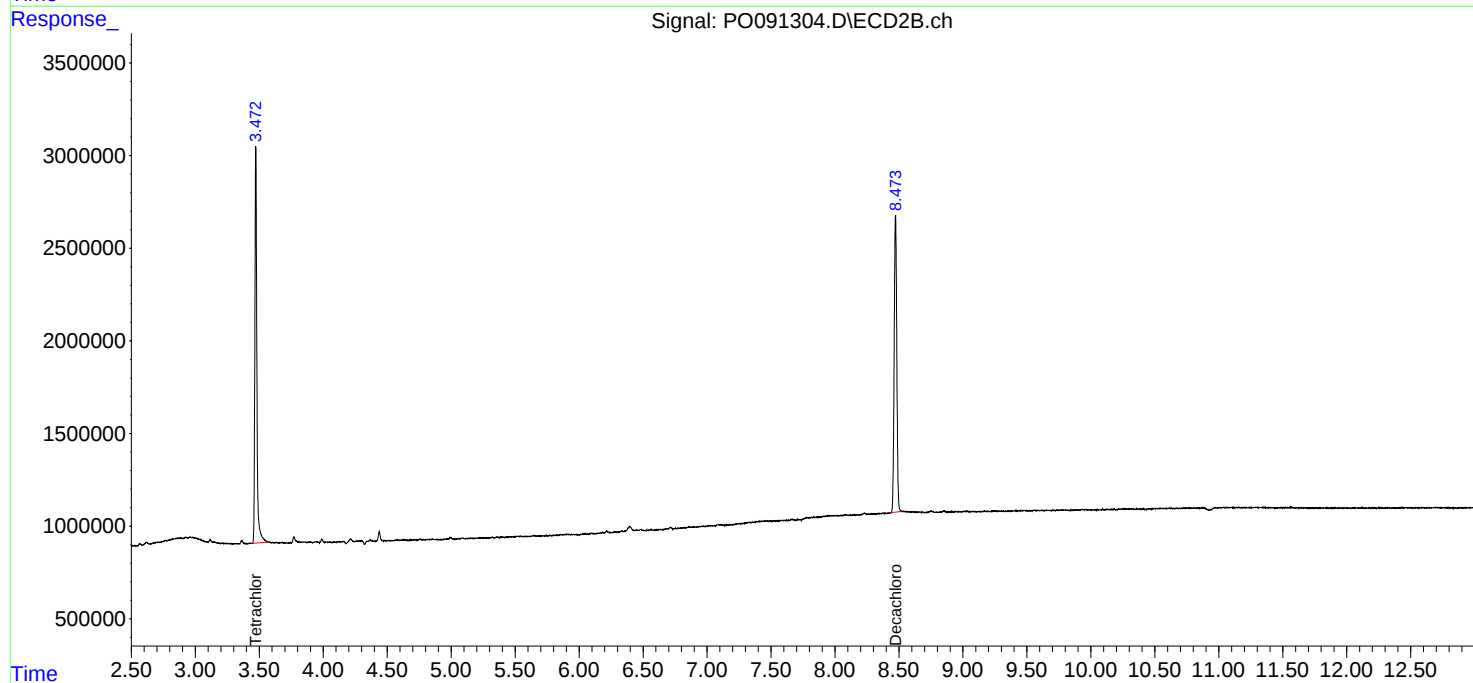
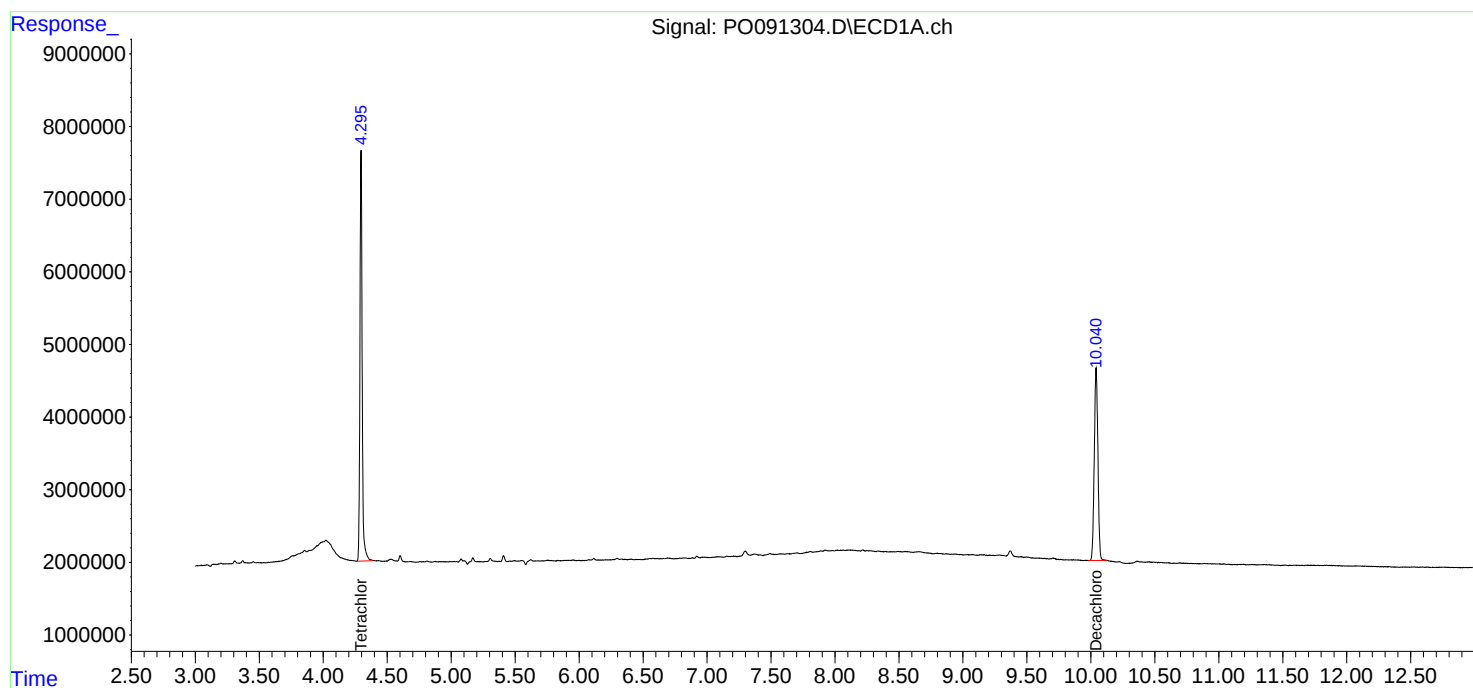
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

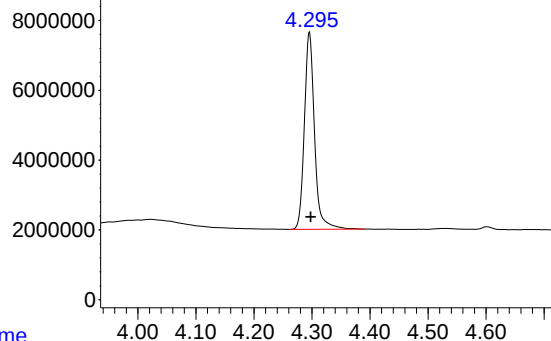
Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1

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

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



Response_ Signal: PO091304.D\ECD1A.ch

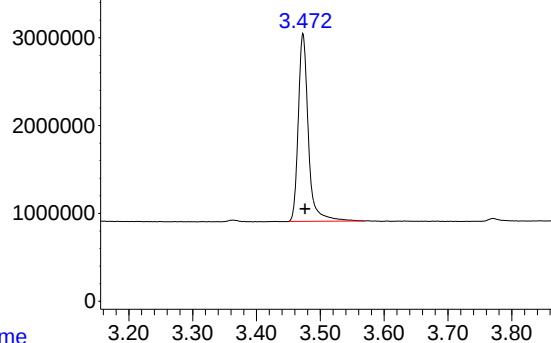


#1 Tetrachloro-m-xylene

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

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-V1

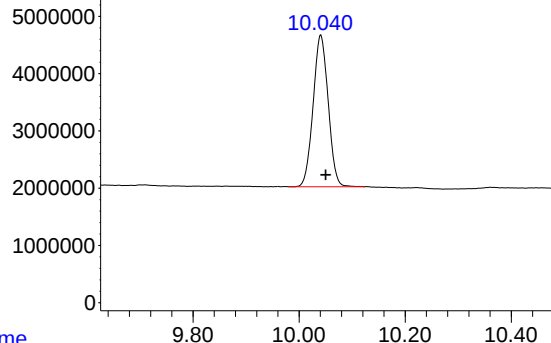
Time Response_ Signal: PO091304.D\ECD2B.ch



#1 Tetrachloro-m-xylene

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

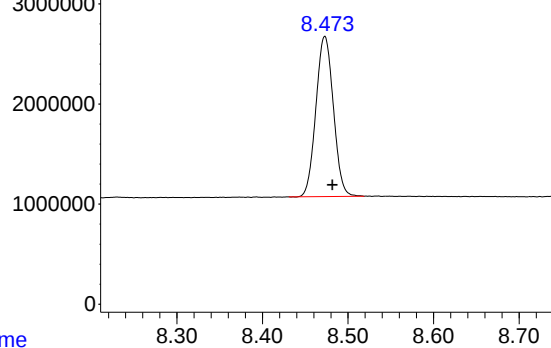
Time Response_ Signal: PO091304.D\ECD1A.ch



#2 Decachlorobiphenyl

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

Time Response_ Signal: PO091304.D\ECD2B.ch



#2 Decachlorobiphenyl

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

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

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

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

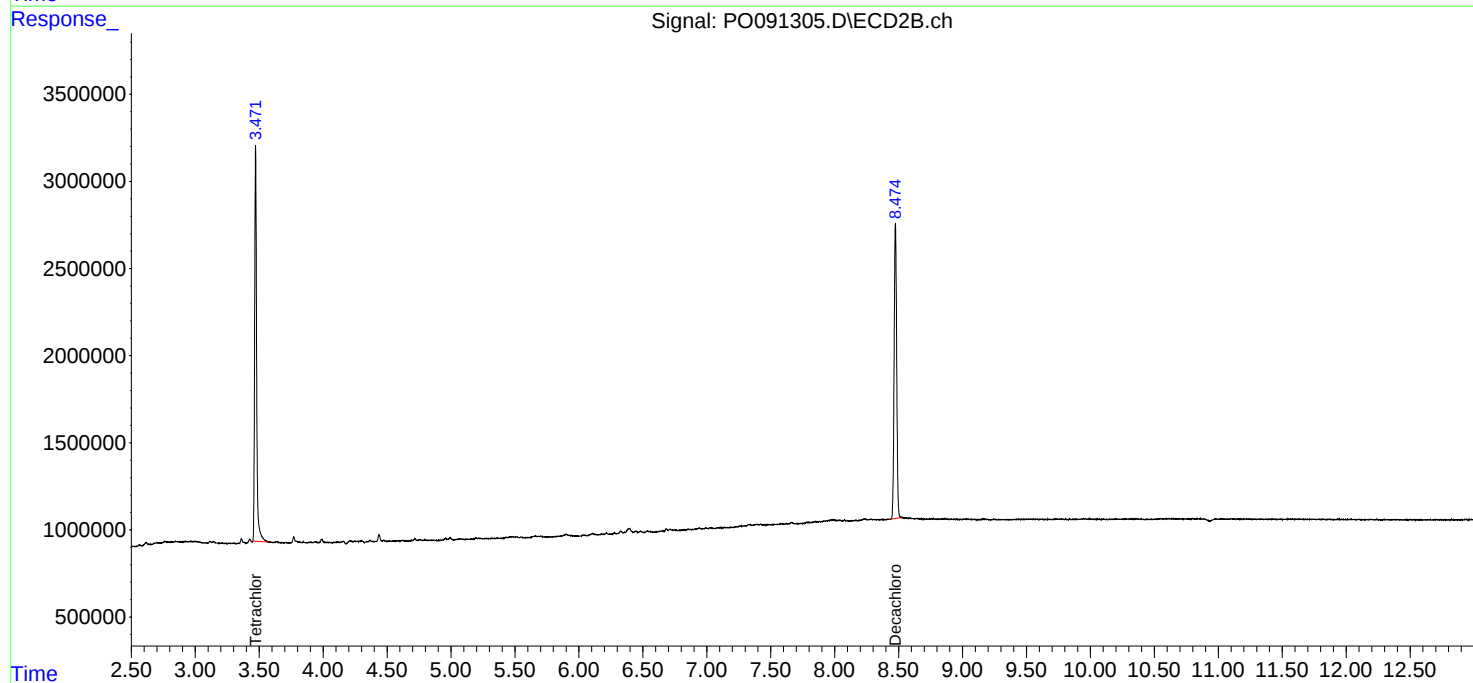
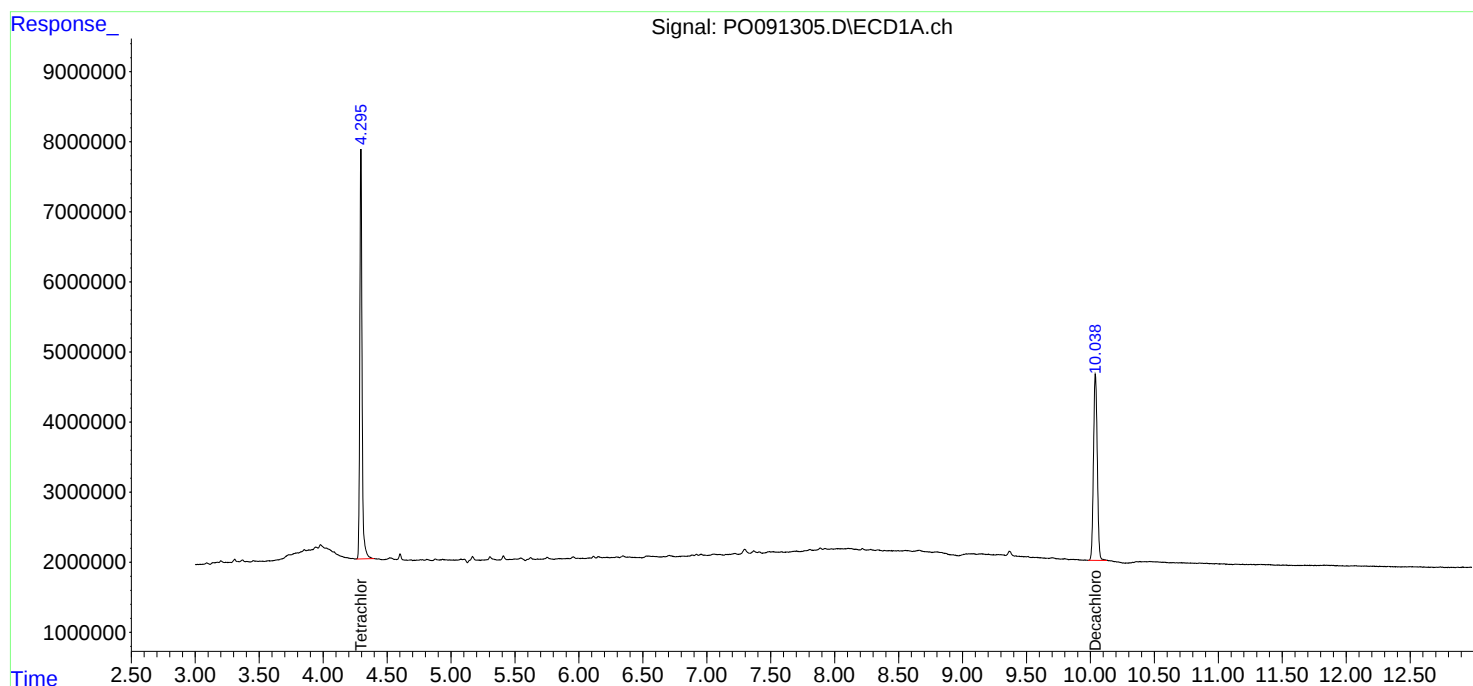
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

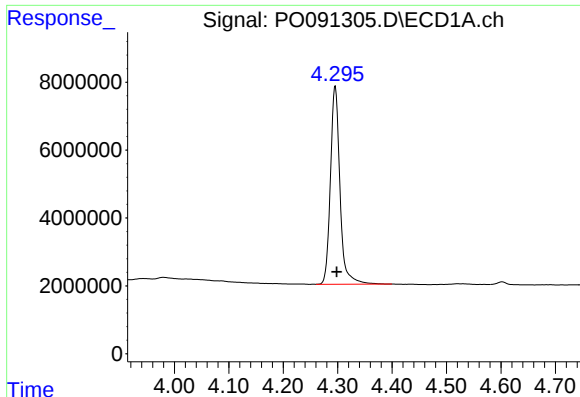
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091305.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:38
Operator : YP/AJ
Sample : N5992-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

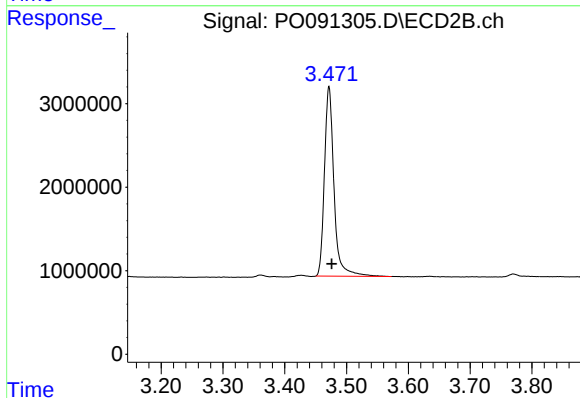




#1 Tetrachloro-m-xylene

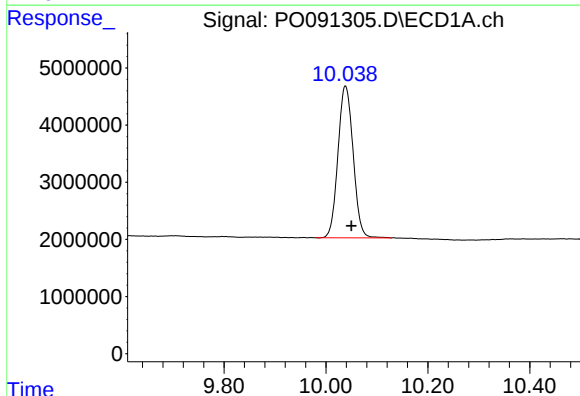
R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 71068693
Conc: 21.02 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-S5



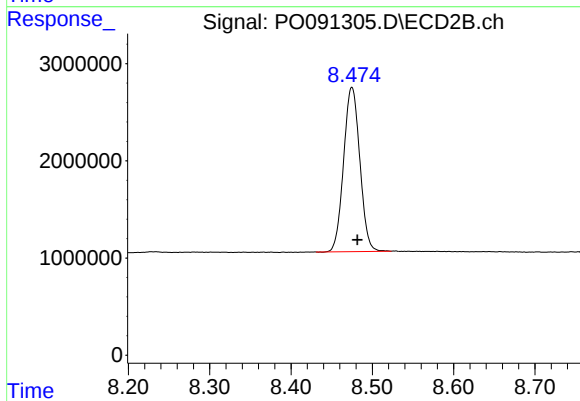
#1 Tetrachloro-m-xylene

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

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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

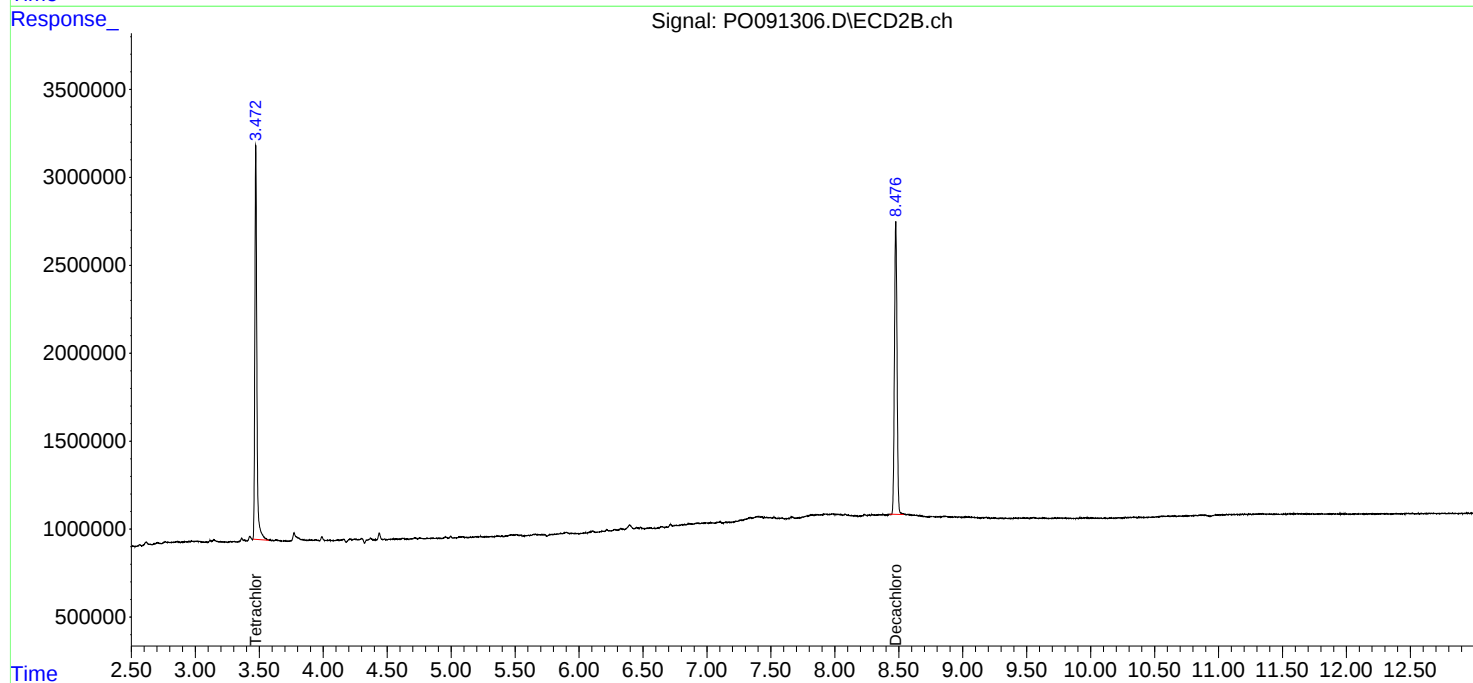
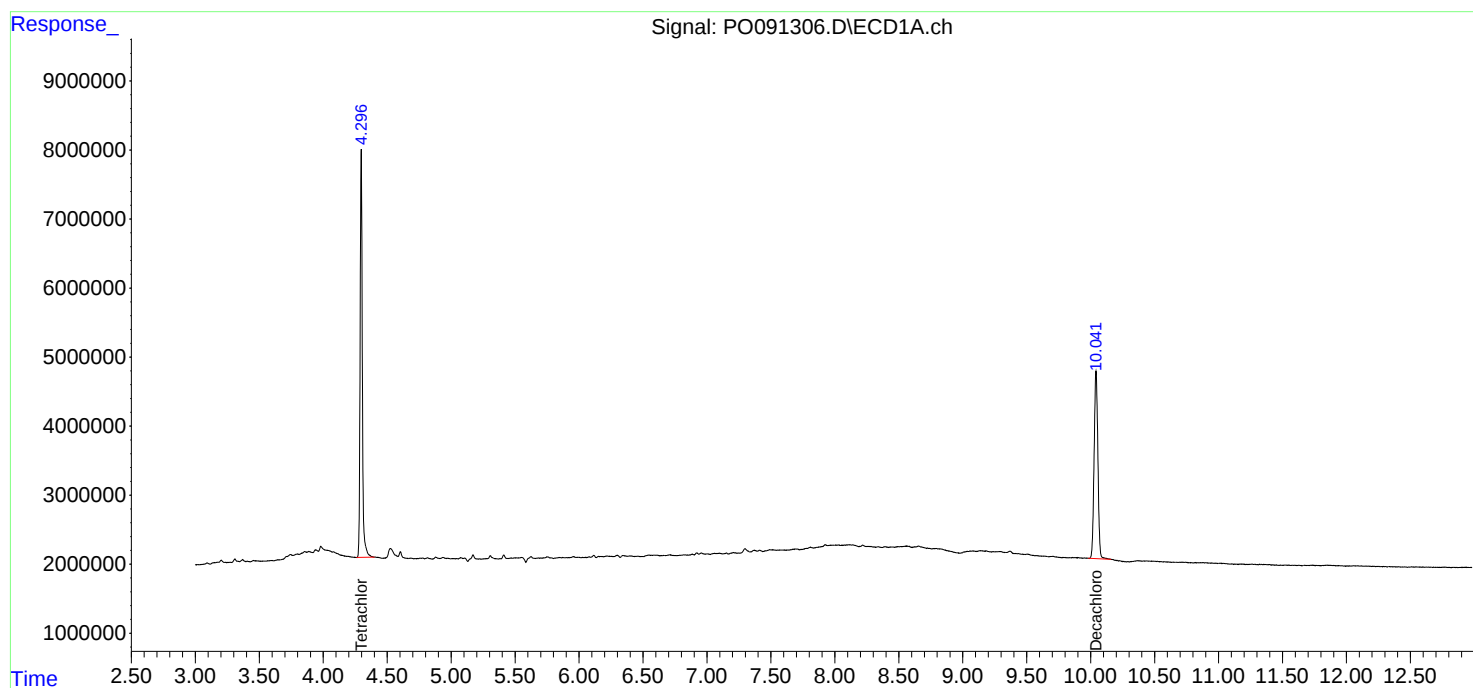
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

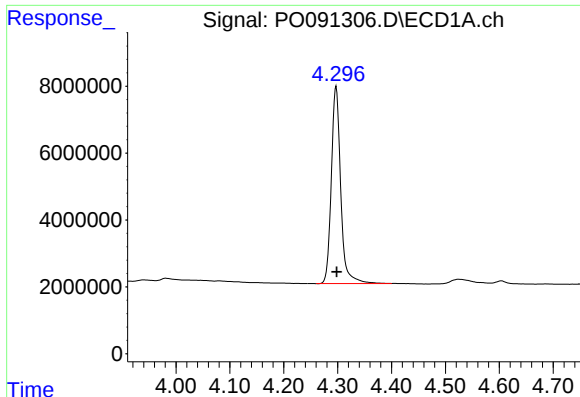
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 15:55
Operator : YP/AJ
Sample : N5992-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

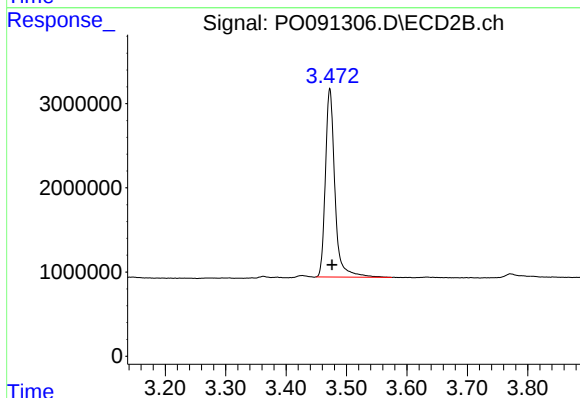




#1 Tetrachloro-m-xylene

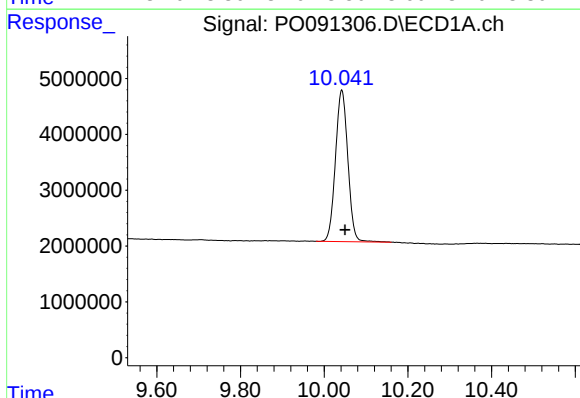
R.T.: 4.297 min
Delta R.T.: 0.000 min
Response: 71440593
Conc: 21.13 ng/ml

Instrument :
ECD_O
ClientSampleId :
AOC2-B4-W5



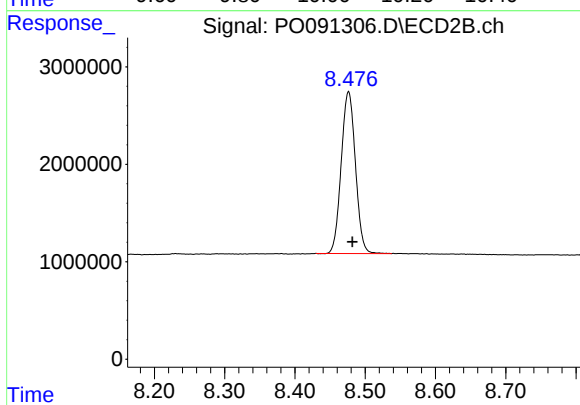
#1 Tetrachloro-m-xylene

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

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

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

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

System Monitoring Compounds						
1) SA Tetrachlo...	4.296	3.473	59724240	20300802	17.664	19.342
2) SA Decachlor...	10.042	8.474	48066937	20582560	18.096	21.200

Target Compounds

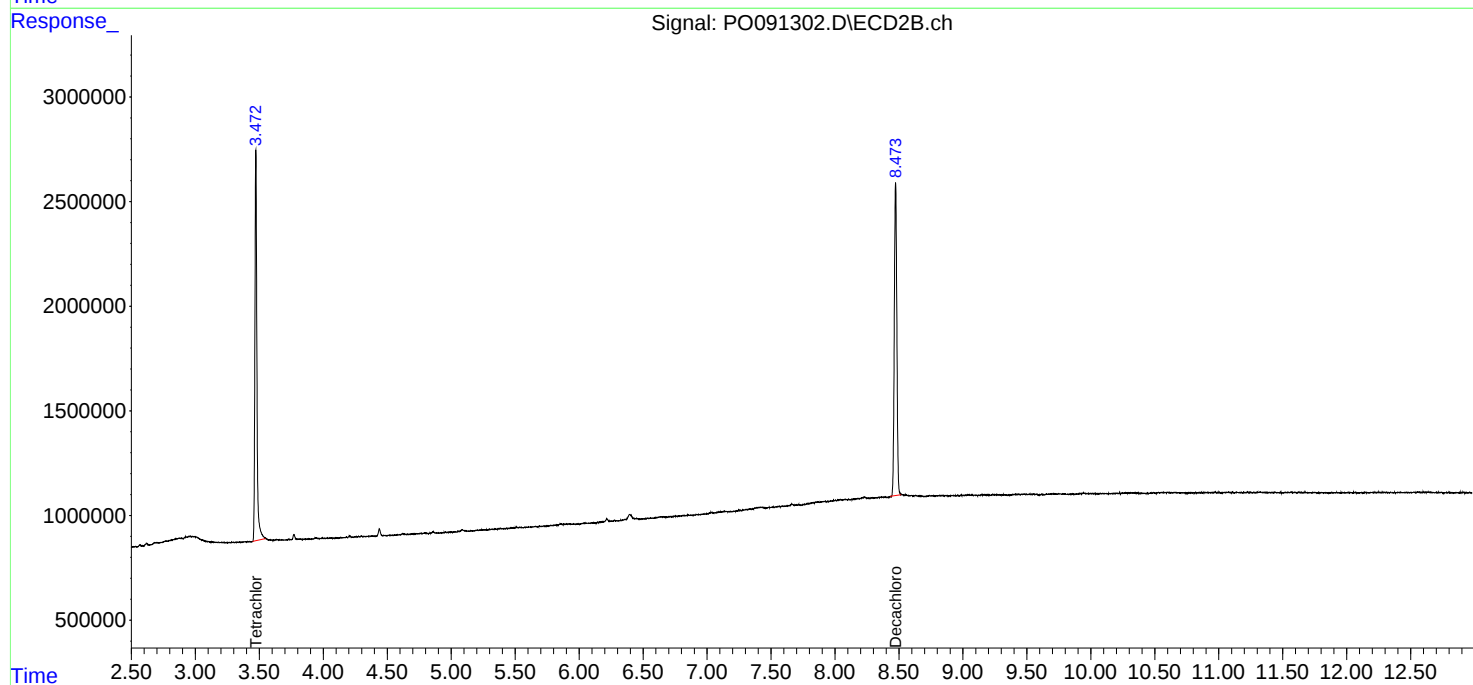
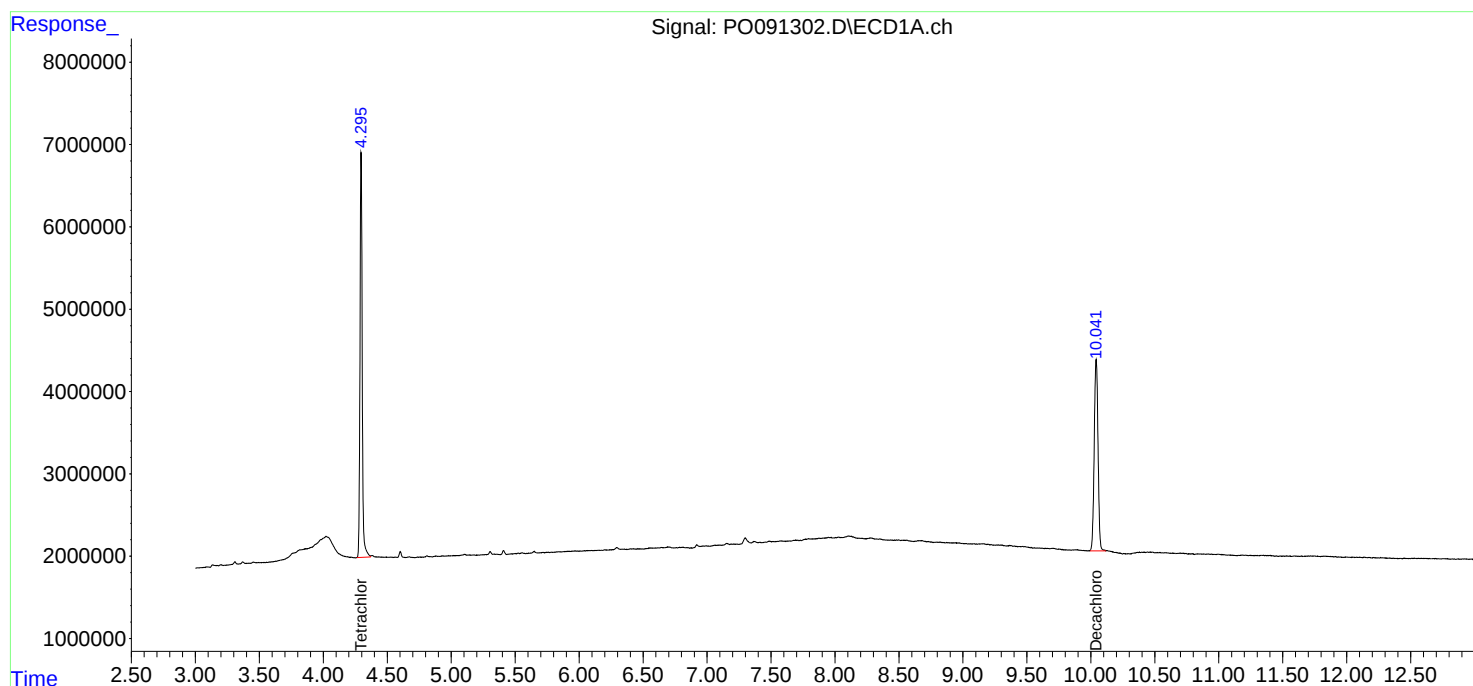
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

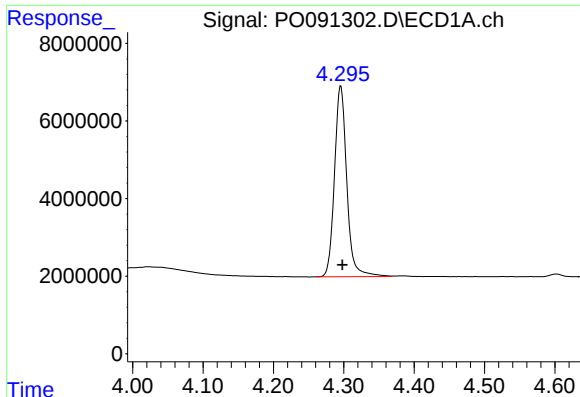
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO121322\
Data File : PO091302.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Dec 2022 14:47
Operator : YP/AJ
Sample : PB149582BL
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB149582BL

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

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

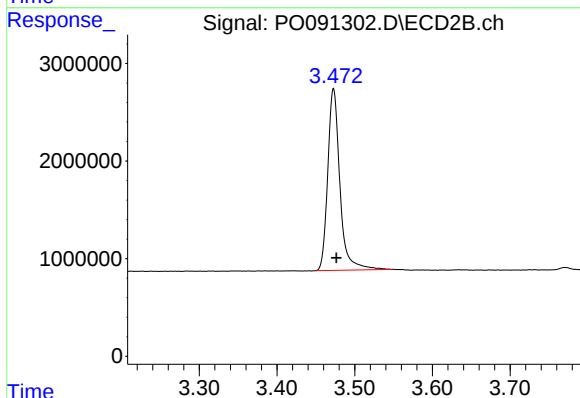




#1 Tetrachloro-m-xylene

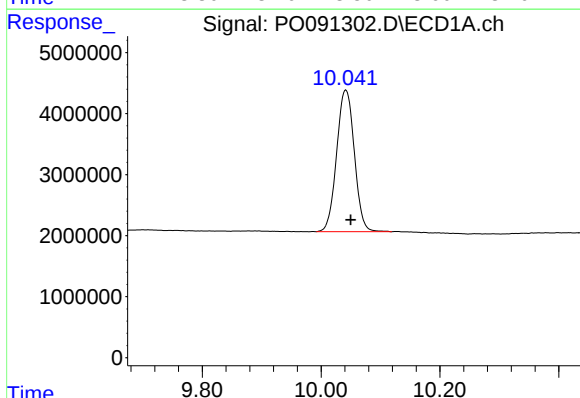
R.T.: 4.296 min
Delta R.T.: -0.002 min
Response: 59724240
Conc: 17.66 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB149582BL



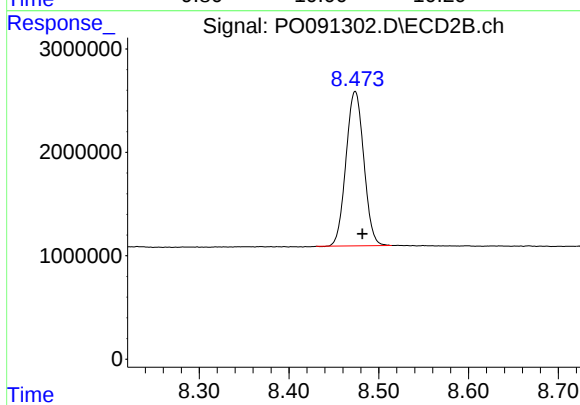
#1 Tetrachloro-m-xylene

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

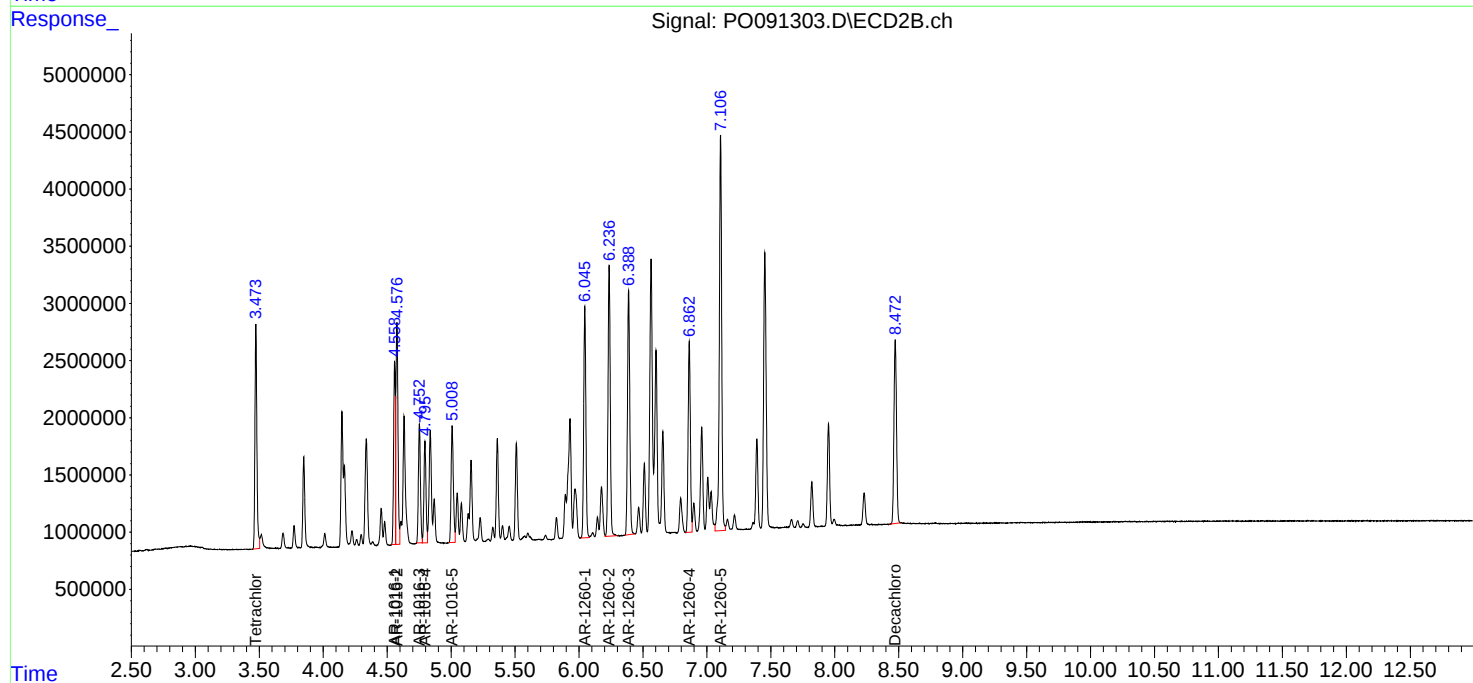
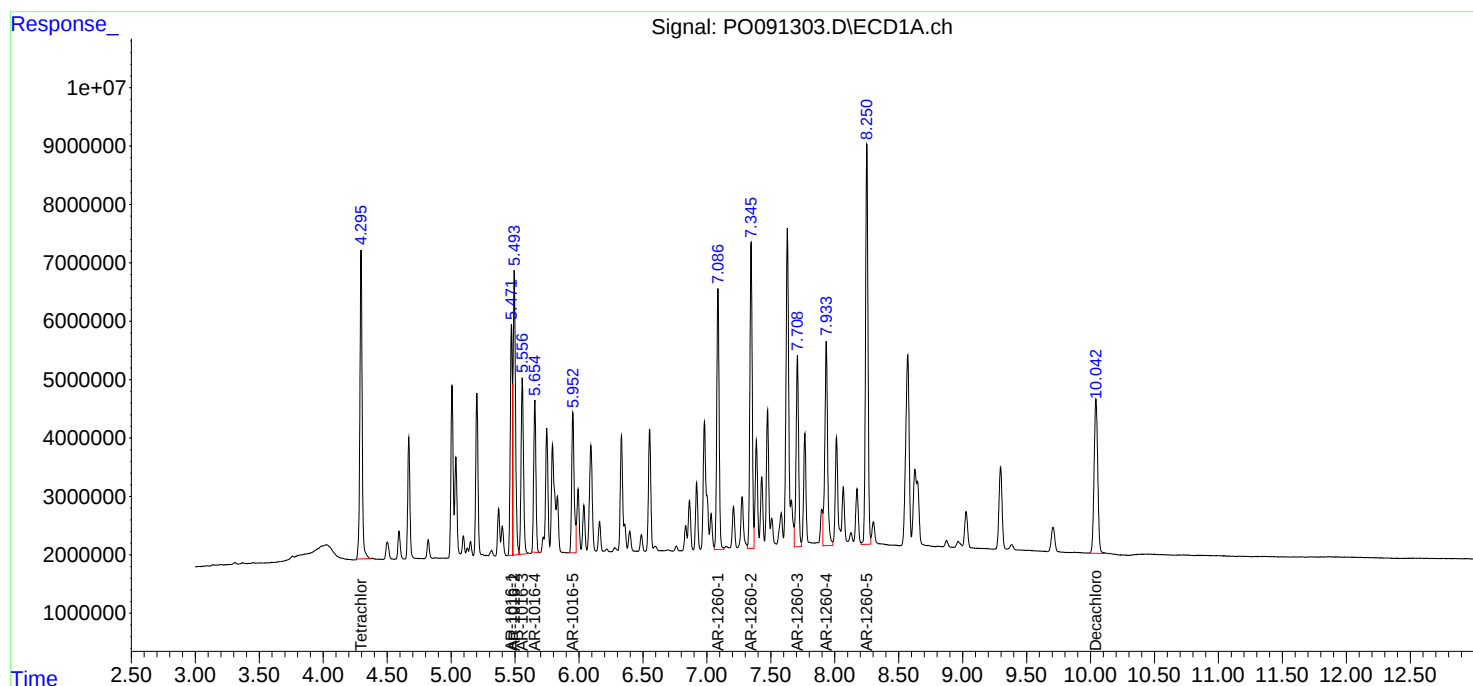
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

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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

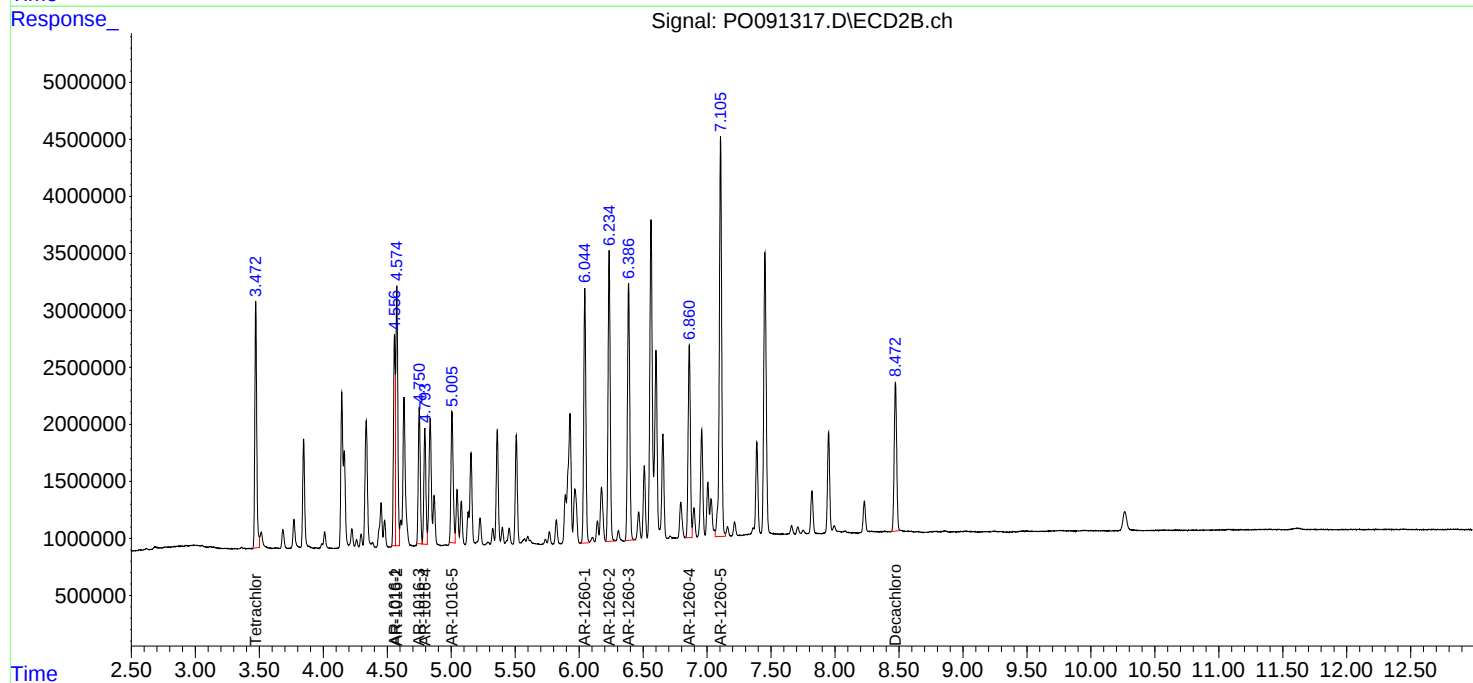
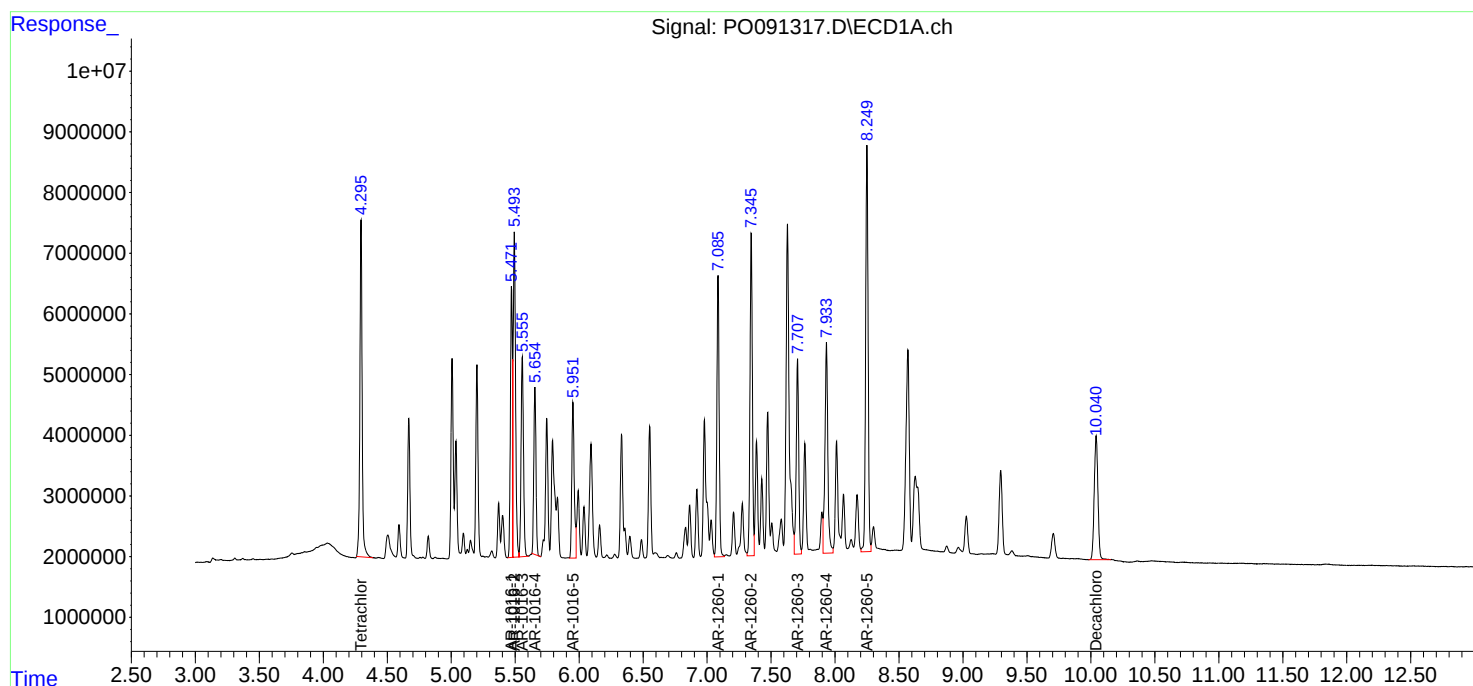
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

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

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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

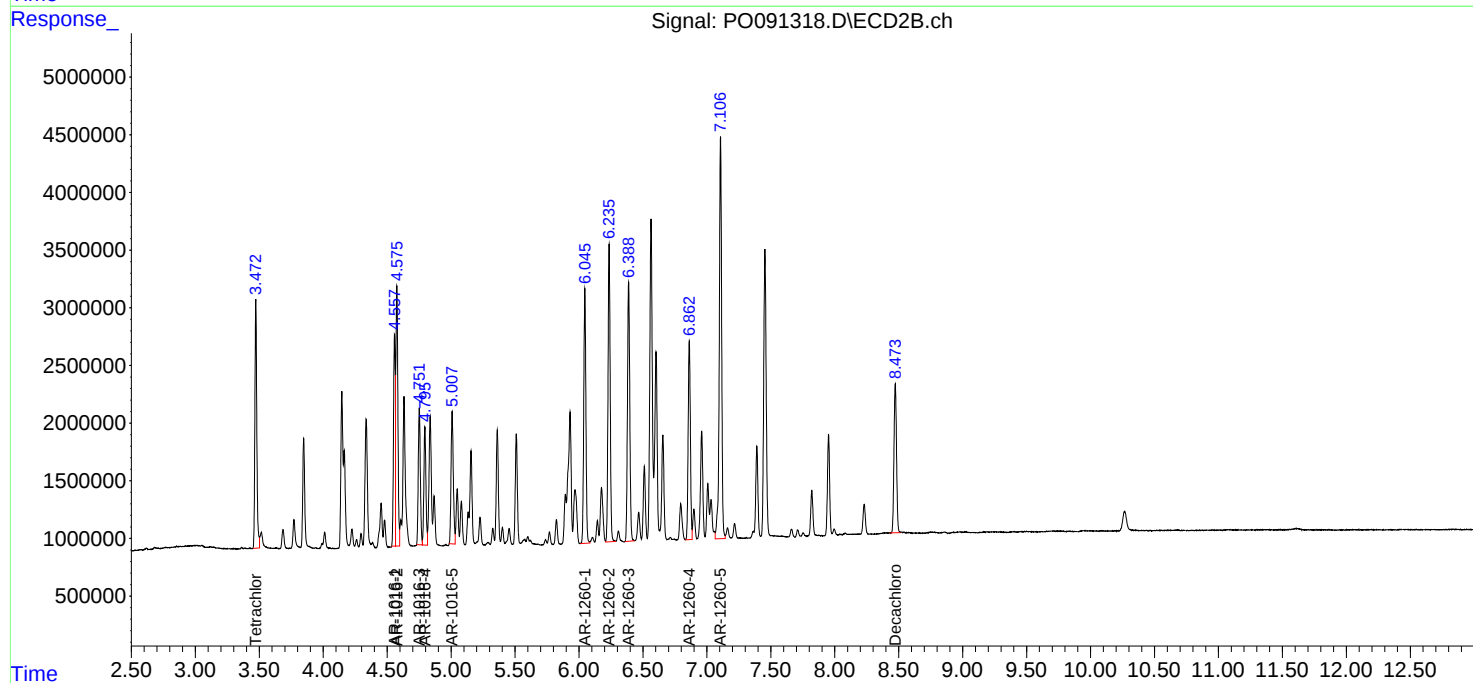
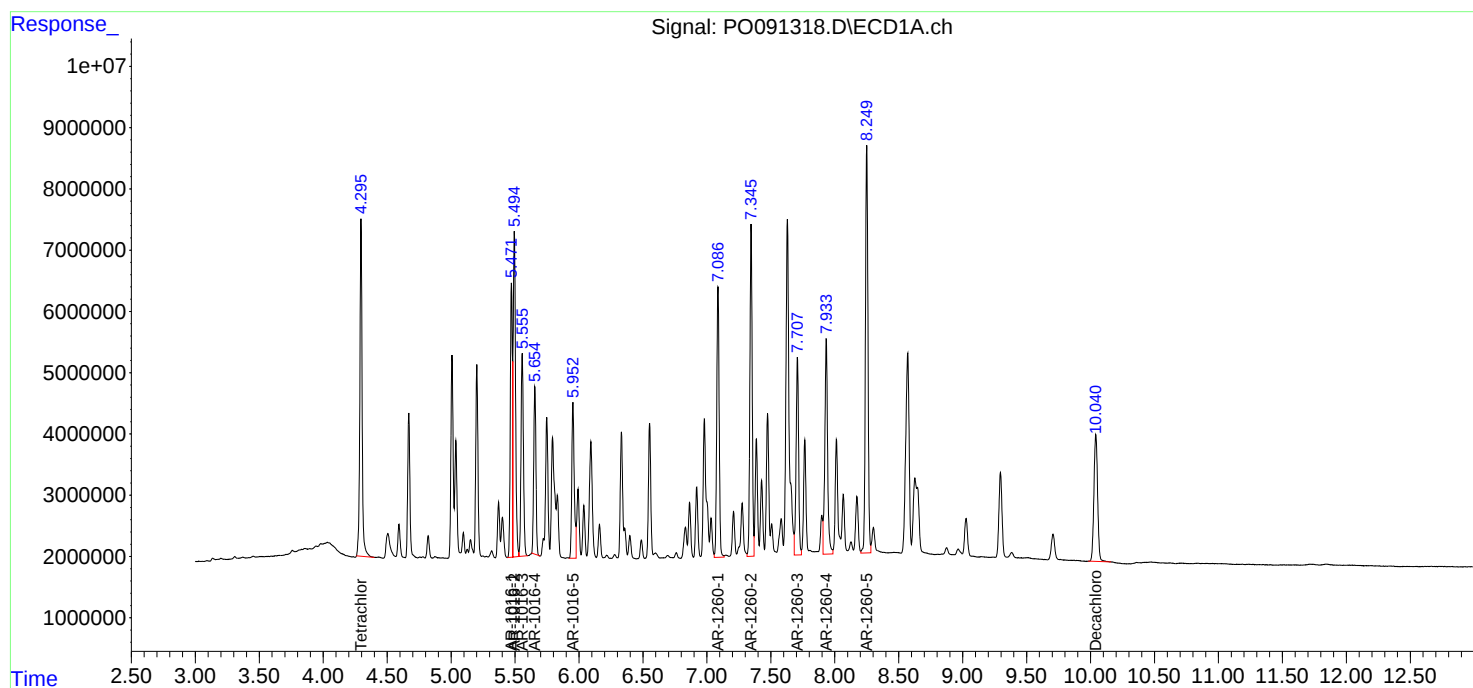
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_0\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_0
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_0\methods\PO112522.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Nov 28 11:25:59 2022
Response via : Initial Calibration
Integrator: ChemStation

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





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

Manual Integration Report

Sequence:	PO112522	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1262ICC500	PO090956.D	AR-1262-4	yogesh	11/28/2022 8:59:21 AM	Ankita	11/28/2022 12:58:30	Peak Integrated by Software



Manual Integration Report

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

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

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

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

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

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

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

M : Manual Integration

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

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

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

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

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

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

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

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO112522

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

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO121322

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

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

M : Manual Integration

SOP ID: M3541-ASE Extraction-14

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

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

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

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

Balance ID: EX-SC-2 **pH Meter ID:** N/A **Concentration By:** RS

pH Strip Lot#: N/A **Hood ID:** 3,7 **Supervisor By :** rajesh

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

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP21181
Surrogate	1.0ML	200 PPB	PP21252
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Hexane/Acetone/1:1	N/A	EP2269
Baked Na2SO4	N/A	EP2279
Sand	N/A	E2865
Hexane	N/A	E3434
H2SO4 1:1	N/A	EP2260
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

40ML Vial Lot # 03-40BTS721.

KD Bath ID: N/A **Envap ID:** NE VAP-02

KD Bath Temperature: N/A **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/13/22	Rp (Est. Lab)	R. Patel / PCBL
12/23/22	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/13/2022

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

* Extracts relinquished on the same date as received.

12/13/22

149582
9:15

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

Date/Time 12/12/22 9:10
Raw Sample Received by: RJ (Extra bus)
Raw Sample Relinquished by: Cp sm

Date/Time 12/12/22 9:30
Raw Sample Received by: Cp sm
Raw Sample Relinquished by: RJ (Extra bus)

A
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J
K
L



284 Sheffield Street, Mountainside, New Jersey - 07092

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

LAB CHRONICLE

OrderID: N5992
Client: Remington & Vernick Engineers
Contact: Marco Carulli

OrderDate: 12/9/2022 1:35:58 PM
Project: Wildwood DPW Storage Yard Site - # 0514T294
Location: M13

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