



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

Hit Summary Sheet
SW-846

SDG No.: P4699

Order ID: P4699

Client: EarthEfficient LLC

Project ID: 120-122 Liberty Ave BK

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

Total Concentration: 0.000

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



SAMPLE DATA

Report of Analysis

Client:	EarthEfficient LLC		Date Collected:	11/04/24	
Project:	120-122 Liberty Ave BK		Date Received:	11/04/24	
Client Sample ID:	MIXED-DEMO		SDG No.:	P4699	
Lab Sample ID:	P4699-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	99.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107703.D	1	11/05/24 08:35	11/05/24 19:53	PB164678

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.1	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.1	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.1	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.1	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.1	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.1	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.1	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.1	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.1	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.2		30 (32) - 150 (144)	116%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		30 (32) - 150 (175)	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: **P4699**

Client: **EarthEfficient LLC**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PO107183.D	PIBLK-PO107183.D	Tetrachloro-m-xylene	1	20	22.5	112		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	23.4	117		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.1	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	22.8	114		70 (60)	130 (140)
I.BLK-PO107686.D	PIBLK-PO107686.D	Tetrachloro-m-xylene	1	20	20.7	104		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.3	107		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.1	105		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	21.0	105		70 (60)	130 (140)
PB164678BL	PB164678BL	Tetrachloro-m-xylene	1	20	20.9	104		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.7	108		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	21.1	106		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.4	107		30 (32)	150 (175)
PB164678BS	PB164678BS	Tetrachloro-m-xylene	1	20	21.3	107		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.9	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	20.2	101		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.6	108		30 (32)	150 (175)
I.BLK-PO107701.D	PIBLK-PO107701.D	Tetrachloro-m-xylene	1	20	21.0	105		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	21.0	105		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	21.5	107		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	20.9	105		70 (60)	130 (140)
P4699-01	MIXED-DEMO	Tetrachloro-m-xylene	1	20	22.8	114		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.9	110		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	23.2	116		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	22.2	111		30 (32)	150 (175)
P4701-01MS	BP-F3MS	Tetrachloro-m-xylene	1	20	24.7	123		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.5	107		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.4	122		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.9	109		30 (32)	150 (175)
P4701-01MSD	BP-F3MSD	Tetrachloro-m-xylene	1	20	23.5	117		30 (32)	150 (144)
		Decachlorobiphenyl	1	20	21.7	109		30 (32)	150 (175)
		Tetrachloro-m-xylene	2	20	24.8	124		30 (32)	150 (144)
		Decachlorobiphenyl	2	20	21.7	109		30 (32)	150 (175)
I.BLK-PO107715.D	PIBLK-PO107715.D	Tetrachloro-m-xylene	1	20	21.7	109		70 (60)	130 (140)
		Decachlorobiphenyl	1	20	22.0	110		70 (60)	130 (140)
		Tetrachloro-m-xylene	2	20	22.0	110		70 (60)	130 (140)
		Decachlorobiphenyl	2	20	23.1	115		70 (60)	130 (140)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4699

Client: EarthEfficient LLC

Analytical Method: 8082A

DataFile : PO107706.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F3MS											
P4701-01MS	AR1016	199	0	236	ug/kg	119				40 (55)	140 (146)	
	AR1260	199	0	215	ug/kg	108				40 (45)	140 (144)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P4699

Client: EarthEfficient LLC

Analytical Method: 8082A

DataFile : PO107707.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	BP-F3MSD											
P4701-01MSD	AR1016	198.9	0	244	ug/kg	123		3		40 (55)	140 (146)	30 (20)
	AR1260	198.9	0	220	ug/kg	111		3		40 (45)	140 (144)	30 (20)



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4699

Client: EarthEfficient LLC

Analytical Method: 8082A Datafile : PO107688.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB164678BS	AR1016	166.6	155	ug/kg	93				40 (71)	140 (120)		
	AR1260	166.6	156	ug/kg	94				40 (65)	140 (130)		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB164678BL

Lab Name: CHEMTECH

Contract: EART12

Lab Code: CHEM Case No.: P4699

SAS No.: P4699 SDG NO.: P4699

Lab Sample ID: PB164678BL

Lab File ID: PO107687.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/05/2024

Date Analyzed (1): 11/05/2024

Date Analyzed (2): 11/05/2024

Time Analyzed (1): 15:00

Time Analyzed (2): 15:00

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
PB164678BS	PB164678BS	PO107688.D	11/05/2024	11/05/2024
MIXED-DEMO	P4699-01	PO107703.D	11/05/2024	11/05/2024
BP-F3MS	P4701-01MS	PO107706.D	11/05/2024	11/05/2024
BP-F3MSD	P4701-01MSD	PO107707.D	11/05/2024	11/05/2024

COMMENTS: _____



QC SAMPLE DATA

Report of Analysis

Client:	EarthEfficient LLC	Date Collected:	
Project:	120-122 Liberty Ave BK	Date Received:	
Client Sample ID:	PB164678BL	SDG No.:	P4699
Lab Sample ID:	PB164678BL	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107687.D	1	11/05/24 08:35	11/05/24 15:00	PB164678

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	3.40	U	3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	2.90	U	2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		30 (32) - 150 (144)	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		30 (32) - 150 (175)	108%	SPK: 20

Comments:

U = Not Detected

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Q = indicates LCS control criteria did not meet requirements

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	EarthEfficient LLC		Date Collected:	10/15/24	
Project:	120-122 Liberty Ave BK		Date Received:	10/15/24	
Client Sample ID:	PIBLK-PO107183.D		SDG No.:	P4699	
Lab Sample ID:	I.BLK-PO107183.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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107183.D	1		10/15/24	po101524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		70 (60) - 130 (140)	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		70 (60) - 130 (140)	114%	SPK: 20

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M = MS/MSD acceptance criteria did not meet requirements

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B = Analyte Found in Associated Method Blank

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Report of Analysis

Client:	EarthEfficient LLC		Date Collected:	11/05/24	
Project:	120-122 Liberty Ave BK		Date Received:	11/05/24	
Client Sample ID:	PIBLK-PO107686.D		SDG No.:	P4699	
Lab Sample ID:	I.BLK-PO107686.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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107686.D	1		11/05/24	PO110524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.7		70 (60) - 130 (140)	104%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		70 (60) - 130 (140)	105%	SPK: 20

Comments:

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B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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Report of Analysis

Client:	EarthEfficient LLC		Date Collected:	11/05/24	
Project:	120-122 Liberty Ave BK		Date Received:	11/05/24	
Client Sample ID:	PIBLK-PO107701.D		SDG No.:	P4699	
Lab Sample ID:	I.BLK-PO107701.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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107701.D	1		11/05/24	PO110524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		70 (60) - 130 (140)	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		70 (60) - 130 (140)	105%	SPK: 20

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Report of Analysis

Client:	EarthEfficient LLC		Date Collected:	11/05/24	
Project:	120-122 Liberty Ave BK		Date Received:	11/05/24	
Client Sample ID:	PIBLK-PO107715.D		SDG No.:	P4699	
Lab Sample ID:	I.BLK-PO107715.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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107715.D	1		11/05/24	PO110524

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.15	U	0.15	0.50	ug/L
11104-28-2	Aroclor-1221	0.23	U	0.23	0.50	ug/L
11141-16-5	Aroclor-1232	0.37	U	0.37	0.50	ug/L
53469-21-9	Aroclor-1242	0.16	U	0.16	0.50	ug/L
12672-29-6	Aroclor-1248	0.12	U	0.12	0.50	ug/L
11097-69-1	Aroclor-1254	0.11	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.15	U	0.15	0.50	ug/L
37324-23-5	Aroclor-1262	0.14	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.12	U	0.12	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		70 (60) - 130 (140)	109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		70 (60) - 130 (140)	110%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

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* = Values outside of QC limits

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() = Laboratory InHouse Limit

Report of Analysis

Client:	EarthEfficient LLC	Date Collected:	
Project:	120-122 Liberty Ave BK	Date Received:	
Client Sample ID:	PB164678BS	SDG No.:	P4699
Lab Sample ID:	PB164678BS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	PCB
Extraction Type:		Injection Volume :	
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107688.D	1	11/05/24 08:35	11/05/24 15:16	PB164678

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	155		3.40	17.0	ug/kg
11104-28-2	Aroclor-1221	6.40	U	6.40	17.0	ug/kg
11141-16-5	Aroclor-1232	3.40	U	3.40	17.0	ug/kg
53469-21-9	Aroclor-1242	3.40	U	3.40	17.0	ug/kg
12672-29-6	Aroclor-1248	7.90	U	7.90	17.0	ug/kg
11097-69-1	Aroclor-1254	2.70	U	2.70	17.0	ug/kg
37324-23-5	Aroclor-1262	4.60	U	4.60	17.0	ug/kg
11100-14-4	Aroclor-1268	3.40	U	3.40	17.0	ug/kg
11096-82-5	Aroclor-1260	156		2.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.3		30 (32) - 150 (144)	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (32) - 150 (175)	109%	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:	EarthEfficient LLC	Date Collected:	11/04/24
Project:	120-122 Liberty Ave BK	Date Received:	11/04/24
Client Sample ID:	BP-F3MS	SDG No.:	P4699
Lab Sample ID:	P4701-01MS	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.7
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	PH :	
Prep Method :	SW3541B	Injection Volume :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107706.D	1	11/05/24 08:35	11/05/24 20:43	PB164678

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	236		4.00	20.3	ug/kg
11104-28-2	Aroclor-1221	7.70	U	7.70	20.3	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	20.3	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	20.3	ug/kg
12672-29-6	Aroclor-1248	9.40	U	9.40	20.3	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.3	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	20.3	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	20.3	ug/kg
11096-82-5	Aroclor-1260	215		3.50	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.7		30 (32) - 150 (144)	123%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.9		30 (32) - 150 (175)	109%	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:	EarthEfficient LLC	Date Collected:	11/04/24
Project:	120-122 Liberty Ave BK	Date Received:	11/04/24
Client Sample ID:	BP-F3MSD	SDG No.:	P4699
Lab Sample ID:	P4701-01MSD	Matrix:	SOIL
Analytical Method:	SW8082A	% Solid:	83.7
Sample Wt/Vol:	30.04	Units:	g
Soil Aliquot Vol:			uL
Extraction Type:		Test:	PCB
GPC Factor :	1.0	Injection Volume :	
Prep Method :	SW3541B		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PO107707.D	1	11/05/24 08:35	11/05/24 20:59	PB164678

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	244		4.00	20.3	ug/kg
11104-28-2	Aroclor-1221	7.60	U	7.60	20.3	ug/kg
11141-16-5	Aroclor-1232	4.10	U	4.10	20.3	ug/kg
53469-21-9	Aroclor-1242	4.00	U	4.00	20.3	ug/kg
12672-29-6	Aroclor-1248	9.40	U	9.40	20.3	ug/kg
11097-69-1	Aroclor-1254	3.30	U	3.30	20.3	ug/kg
37324-23-5	Aroclor-1262	5.50	U	5.50	20.3	ug/kg
11100-14-4	Aroclor-1268	4.10	U	4.10	20.3	ug/kg
11096-82-5	Aroclor-1260	220		3.50	20.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	24.8		30 (32) - 150 (144)	124%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.7		30 (32) - 150 (175)	109%	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

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.06	10.06	10.06	10.06	10.06	10.06	9.96	10.16
Tetrachloro-m-xylene	4.37	4.37	4.37	4.37	4.37	4.37	4.27	4.47

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Calibration Times: 18:27 02:36

ID: 0.32 (mm)

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.64	8.64	8.64	8.64	8.64	8.64	8.54	8.74
Tetrachloro-m-xylene	3.65	3.64	3.65	3.64	3.65	3.65	3.55	3.75

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Instrument ID: ECD_O

Calibration Date(s): 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	252081604	261702867	271939076	291118488	272229420	269814291
Aroclor-1016-2	(2)	373760062	383028583	397887352	419075308	410673320	396884925
Aroclor-1016-3	(3)	234678633	244145249	256575754	276405664	244042480	251169556
Aroclor-1016-4	(4)	185622493	193848624	202963902	215081552	165543020	192611918
Aroclor-1016-5	(5)	176326470	182141932	191487930	203514892	159796500	182653545
Aroclor-1260-1	(1)	238480871	246497651	259155974	277220676	271587560	258588546
Aroclor-1260-2	(2)	243402558	251747185	264083512	284216460	272650860	263220115
Aroclor-1260-3	(3)	167353086	171560129	181491762	195138068	183182660	179745141
Aroclor-1260-4	(4)	162125557	166999933	175289716	187582032	185522120	175503872
Aroclor-1260-5	(5)	268686175	273623828	283035894	299271412	297351500	284393762
Decachlorobiphenyl		2362750210	2427138920	2496479000	2603827440	2376686800	2453376474
Tetrachloro-m-xylene		8902656430	9087809293	9285762860	9548006280	8745262400	9113899453
Aroclor-1242-1	(1)	207947063	205572916	222208808	238956456	243522880	223641625
Aroclor-1242-2	(2)	302439626	299949616	323550412	342804408	348858880	323520588
Aroclor-1242-3	(3)	191912697	193178427	209638152	224306728	225847640	208976729
Aroclor-1242-4	(4)	150447174	145338196	162797508	173135964	168308740	160005516
Aroclor-1242-5	(5)	141009343	143408436	153689098	164623016	179679780	156481935
Decachlorobiphenyl		2339420350	2427742867	2492700840	2551827400	2426410200	2447620331
Tetrachloro-m-xylene		8860043620	8651743680	9146784160	9504075440	9174828800	9067495140
Aroclor-1248-1	(1)	155913014	164800668	175191332	184609772	188867720	173876501
Aroclor-1248-2	(2)	222845576	238202488	253637968	270074056	280366620	253025342
Aroclor-1248-3	(3)	231904923	246233752	259706092	274388212	266197800	255686156
Aroclor-1248-4	(4)	237210289	246633865	260533272	272872732	271860120	257822056
Aroclor-1248-5	(5)	236273499	246591072	260733536	276314120	280304600	260043365
Decachlorobiphenyl		2339780580	2371533013	2504089680	2566158680	2396701200	2435652631
Tetrachloro-m-xylene		8719403610	9119992693	9358904180	9492784200	8995773400	9137371617
Aroclor-1254-1	(1)	246822697	256579683	264992242	286189960	289157060	268748328
Aroclor-1254-2	(2)	348120894	361641555	373031238	401237980	402995760	377405485
Aroclor-1254-3	(3)	336293322	345653409	355909306	378498460	372630440	357796987
Aroclor-1254-4	(4)	213138598	220171503	227187688	242530220	244046960	229414994
Aroclor-1254-5	(5)	194609638	201069208	205869028	220139672	216546640	207646837
Decachlorobiphenyl		2357746210	2401897693	2508594000	2601578200	2359367400	2445836701
Tetrachloro-m-xylene		8883763230	9164627320	9184369060	9508828480	8791509400	9106619498
Aroclor-1268-1	(1)	351862425	352413819	364622844	381760528	369380480	364008019

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	313096403	314491445	324862806	339637696	320299560	322477582	3
Aroclor-1268-3	(3)	272236453	272760276	282620036	293538700	275661940	279363481	3
Aroclor-1268-4	(4)	112236308	111261111	114714594	116428084	101458340	111219687	5
Aroclor-1268-5	(5)	836674479	833098204	847063314	864357444	781067560	832452200	4
Decachlorobiphenyl		4074190590	4136234160	4241958160	4399826360	4004084600	4171258774	4
Tetrachloro-m-xylene		9139601460	8935957933	9311606620	9495189880	8951901000	9166851379	3

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Instrument ID: ECD_O

Calibration Date(s): 10/15/2024 10/16/2024

Calibration Times: 18:27 02:36

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

LAB FILE ID:		CF 1000 = <u>PO107184.D</u>		CF 750 = <u>PO107185.D</u>			
CF 500 = <u>PO107186.D</u>		CF 250 = <u>PO107187.D</u>		CF 050 = <u>PO107188.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	98519363	99934743	102532802	106601384	108740020	103265662
Aroclor-1016-2	(2)	140533795	142751421	144315942	146877552	130360060	140967754
Aroclor-1016-3	(3)	75819146	77111448	78799028	81783348	80215260	78745646
Aroclor-1016-4	(4)	61532960	63413097	65607722	69564368	70423600	66108349
Aroclor-1016-5	(5)	78878086	80970861	83522668	86940988	80356660	82133853
Aroclor-1260-1	(1)	150450531	152030172	155131756	161942364	156218200	155154605
Aroclor-1260-2	(2)	173752920	181526657	184104290	189736236	151457920	176115605
Aroclor-1260-3	(3)	168454604	170292340	172108108	175991544	151894120	167748143
Aroclor-1260-4	(4)	143637024	144895129	147115166	150514212	137242140	144680734
Aroclor-1260-5	(5)	340738400	339782780	336796716	340391952	289493480	329440666
Decachlorobiphenyl		2730622670	2745732653	2784792900	2852828640	2594005000	2741596373
Tetrachloro-m-xylene		3312014480	3338472613	3349065240	3230716080	2862214000	3218496483
Aroclor-1242-1	(1)	80390662	80447493	83937762	87266896	86674240	83743411
Aroclor-1242-2	(2)	114487494	111266404	117741916	120667112	114031640	115638913
Aroclor-1242-3	(3)	61817452	60461905	64396992	66865868	63624080	63433259
Aroclor-1242-4	(4)	60582529	60636219	64384594	68045260	66598220	64049364
Aroclor-1242-5	(5)	73763103	75675432	77215916	80736528	80226620	77523520
Decachlorobiphenyl		2686985320	2764418280	2764436780	2798541920	2665265400	2735929540
Tetrachloro-m-xylene		3315724680	3241948653	3341198040	3335574400	2920075400	3230904235
Aroclor-1248-1	(1)	60218805	63038185	64879120	66667236	62402400	63441149
Aroclor-1248-2	(2)	85173308	89108361	93061950	96541480	93540340	91485088
Aroclor-1248-3	(3)	89257070	93226611	97377878	100891904	96212540	95393201
Aroclor-1248-4	(4)	105934439	110533117	114760412	117772688	111691080	112138347
Aroclor-1248-5	(5)	102828085	105359652	109801380	114217964	119140640	110269544
Decachlorobiphenyl		2669365810	2682497173	2791873700	2836714480	2679938000	2732077833
Tetrachloro-m-xylene		3278417600	3389239440	3425836480	3362184040	2965722400	3284279992
Aroclor-1254-1	(1)	159855276	163854537	165548332	171717704	162964860	164788142
Aroclor-1254-2	(2)	138468840	142269335	144546922	151325972	148203140	144962842
Aroclor-1254-3	(3)	227061110	231385951	232213406	238575248	218867080	229620559
Aroclor-1254-4	(4)	128242906	130249965	131325350	135207044	122091880	129423429
Aroclor-1254-5	(5)	191904554	195153152	195378104	201188864	171636600	191052255
Decachlorobiphenyl		2726927150	2738190720	2773447120	2836815760	2598739800	2734824110
Tetrachloro-m-xylene		3347799560	3397335627	3354246660	3362236280	2930639600	3278451545
Aroclor-1268-1	(1)	419191400	409991492	413863584	410849472	368955300	404570250

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	389672996	380096764	383518208	378699872	334345600	373266688	6
Aroclor-1268-3	(3)	345284332	337828173	339535756	338755760	307004380	333681680	5
Aroclor-1268-4	(4)	129107993	127445005	127285362	129260796	113749480	125369727	5
Aroclor-1268-5	(5)	1049237500	1019311260	1017080130	996315476	856840280	987756929	8
Decachlorobiphenyl		4873889790	4739451973	4823511780	4890043960	4430545400	4751488581	4
Tetrachloro-m-xylene		3440286630	3329771373	3416104800	3331345720	2963806400	3296262985	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.57	4.47	4.67	110010000
		2	4.66	4.56	4.76	78836600
		3	4.73	4.63	4.83	234100000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.73	4.63	4.83	195844000
		2	5.26	5.16	5.36	103025000
		3	5.54	5.44	5.64	179001000
		4	5.70	5.60	5.80	90165400
		5	5.80	5.70	5.90	65903200
Aroclor-1262	500	1	7.74	7.64	7.84	245548000
		2	8.28	8.18	8.38	309420000
		3	8.59	8.49	8.69	209196000
		4	8.68	8.58	8.78	163066000
		5	9.32	9.22	9.42	102764000

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Instrument ID: ECD_O Date(s) Analyzed: 10/15/2024 10/16/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	3.86	3.76	3.96	34895600
		2	3.94	3.84	4.04	26624800
		3	4.02	3.92	4.12	81218600
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.02	3.92	4.12	67327000
		2	4.75	4.65	4.85	63205200
		3	4.92	4.82	5.02	34475000
		4	5.00	4.90	5.10	31466000
		5	5.18	5.08	5.28	33083400
Aroclor-1262	500	1	6.76	6.66	6.86	212876000
		2	7.26	7.16	7.36	363332000
		3	7.54	7.44	7.64	137384000
		4	7.61	7.51	7.71	264574000
		5	8.10	8.00	8.20	112833000

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 13:01 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 13:01 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.54	6.55	6.45	6.65	0.01
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107682.D Time Analyzed: 13:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.522	5.423	5.623	496.940	500.000	-0.6
Aroclor-1016-2	5.544	5.445	5.645	490.020	500.000	-2.0
Aroclor-1016-3	5.607	5.507	5.707	482.070	500.000	-3.6
Aroclor-1016-4	5.704	5.604	5.804	497.190	500.000	-0.6
Aroclor-1016-5	5.999	5.899	6.099	491.380	500.000	-1.7
Aroclor-1260-1	7.128	7.026	7.226	479.190	500.000	-4.2
Aroclor-1260-2	7.384	7.282	7.482	525.610	500.000	5.1
Aroclor-1260-3	7.748	7.643	7.843	518.430	500.000	3.7
Aroclor-1260-4	7.972	7.868	8.068	541.150	500.000	8.2
Aroclor-1260-5	8.287	8.181	8.381	533.350	500.000	6.7
Decachlorobiphenyl	10.071	9.958	10.158	48.700	50.000	-2.6
Tetrachloro-m-xylene	4.371	4.274	4.474	49.030	50.000	-1.9

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL01 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107682.D Time Analyzed: 13:01

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	536.740	500.000	7.3
Aroclor-1016-2	4.742	4.645	4.845	546.450	500.000	9.3
Aroclor-1016-3	4.918	4.821	5.021	521.460	500.000	4.3
Aroclor-1016-4	4.959	4.862	5.062	474.530	500.000	-5.1
Aroclor-1016-5	5.173	5.076	5.276	525.150	500.000	5.0
Aroclor-1260-1	6.204	6.107	6.307	492.350	500.000	-1.5
Aroclor-1260-2	6.391	6.294	6.494	507.430	500.000	1.5
Aroclor-1260-3	6.544	6.448	6.648	492.680	500.000	-1.5
Aroclor-1260-4	7.015	6.918	7.118	465.830	500.000	-6.8
Aroclor-1260-5	7.256	7.159	7.359	492.690	500.000	-1.5
Decachlorobiphenyl	8.636	8.539	8.739	47.340	50.000	-5.3
Tetrachloro-m-xylene	3.642	3.545	3.745	55.510	50.000	11.0

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 18:14 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.38	7.38	7.28	7.48	0.00
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	0.00
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 18:14 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107697.D Time Analyzed: 18:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.521	5.423	5.623	522.470	500.000	4.5
Aroclor-1016-2	5.543	5.445	5.645	507.430	500.000	1.5
Aroclor-1016-3	5.606	5.507	5.707	503.820	500.000	0.8
Aroclor-1016-4	5.703	5.604	5.804	525.210	500.000	5.0
Aroclor-1016-5	5.998	5.899	6.099	515.260	500.000	3.1
Aroclor-1260-1	7.126	7.026	7.226	513.720	500.000	2.7
Aroclor-1260-2	7.384	7.282	7.482	520.670	500.000	4.1
Aroclor-1260-3	7.746	7.643	7.843	528.800	500.000	5.8
Aroclor-1260-4	7.971	7.868	8.068	552.130	500.000	10.4
Aroclor-1260-5	8.285	8.181	8.381	543.660	500.000	8.7
Decachlorobiphenyl	10.070	9.958	10.158	48.260	50.000	-3.5
Tetrachloro-m-xylene	4.371	4.274	4.474	55.650	50.000	11.3

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL02 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107697.D Time Analyzed: 18:14

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.722	4.626	4.826	575.760	500.000	15.2
Aroclor-1016-2	4.742	4.645	4.845	589.770	500.000	18.0
Aroclor-1016-3	4.918	4.821	5.021	567.830	500.000	13.6
Aroclor-1016-4	4.959	4.862	5.062	515.120	500.000	3.0
Aroclor-1016-5	5.173	5.076	5.276	560.050	500.000	12.0
Aroclor-1260-1	6.203	6.107	6.307	556.200	500.000	11.2
Aroclor-1260-2	6.391	6.294	6.494	575.150	500.000	15.0
Aroclor-1260-3	6.545	6.448	6.648	536.310	500.000	7.3
Aroclor-1260-4	7.015	6.918	7.118	525.040	500.000	5.0
Aroclor-1260-5	7.256	7.159	7.359	545.390	500.000	9.1
Decachlorobiphenyl	8.636	8.539	8.739	48.340	50.000	-3.3
Tetrachloro-m-xylene	3.642	3.545	3.745	57.920	50.000	15.8

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 22:34 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	5.52	5.52	5.42	5.62	0.00
Aroclor-1016-2	(2)	5.54	5.55	5.45	5.65	0.01
Aroclor-1016-3	(3)	5.61	5.61	5.51	5.71	0.00
Aroclor-1016-4	(4)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-5	(5)	6.00	6.00	5.90	6.10	0.00
Aroclor-1260-1	(1)	7.13	7.13	7.03	7.23	0.00
Aroclor-1260-2	(2)	7.39	7.38	7.28	7.48	-0.01
Aroclor-1260-3	(3)	7.75	7.74	7.64	7.84	-0.01
Aroclor-1260-4	(4)	7.97	7.97	7.87	8.07	0.00
Aroclor-1260-5	(5)	8.29	8.28	8.18	8.38	-0.01
Tetrachloro-m-xylene		4.37	4.37	4.27	4.47	0.00
Decachlorobiphenyl		10.07	10.06	9.96	10.16	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Continuing Calib Date: 11/05/2024 Initial Calibration Date(s): 10/15/2024 10/16/2024

Continuing Calib Time: 22:34 Initial Calibration Time(s): 18:27 02:36

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.72	4.73	4.63	4.83	0.01
Aroclor-1016-2	(2)	4.74	4.75	4.65	4.85	0.01
Aroclor-1016-3	(3)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-4	(4)	4.96	4.96	4.86	5.06	0.00
Aroclor-1016-5	(5)	5.17	5.18	5.08	5.28	0.01
Aroclor-1260-1	(1)	6.20	6.21	6.11	6.31	0.01
Aroclor-1260-2	(2)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-3	(3)	6.55	6.55	6.45	6.65	0.00
Aroclor-1260-4	(4)	7.02	7.02	6.92	7.12	0.01
Aroclor-1260-5	(5)	7.26	7.26	7.16	7.36	0.00
Tetrachloro-m-xylene		3.64	3.65	3.55	3.75	0.01
Decachlorobiphenyl		8.64	8.64	8.54	8.74	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107711.D Time Analyzed: 22:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.522	5.423	5.623	540.930	500.000	8.2
Aroclor-1016-2	5.544	5.445	5.645	536.510	500.000	7.3
Aroclor-1016-3	5.607	5.507	5.707	524.620	500.000	4.9
Aroclor-1016-4	5.704	5.604	5.804	546.140	500.000	9.2
Aroclor-1016-5	5.998	5.899	6.099	539.380	500.000	7.9
Aroclor-1260-1	7.128	7.026	7.226	530.520	500.000	6.1
Aroclor-1260-2	7.385	7.282	7.482	550.560	500.000	10.1
Aroclor-1260-3	7.747	7.643	7.843	552.230	500.000	10.4
Aroclor-1260-4	7.973	7.868	8.068	570.140	500.000	14.0
Aroclor-1260-5	8.286	8.181	8.381	566.790	500.000	13.4
Decachlorobiphenyl	10.071	9.958	10.158	50.590	50.000	1.2
Tetrachloro-m-xylene	4.371	4.274	4.474	55.110	50.000	10.2

CALIBRATION VERIFICATION SUMMARY

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 10/15/2024 10/15/2024

Client Sample No.: CCAL03 Date Analyzed: 11/05/2024

Lab Sample No.: AR1660CCC500 Data File : PO107711.D Time Analyzed: 22:34

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.723	4.626	4.826	571.620	500.000	14.3
Aroclor-1016-2	4.742	4.645	4.845	590.130	500.000	18.0
Aroclor-1016-3	4.918	4.821	5.021	564.280	500.000	12.9
Aroclor-1016-4	4.959	4.862	5.062	505.500	500.000	1.1
Aroclor-1016-5	5.172	5.076	5.276	557.810	500.000	11.6
Aroclor-1260-1	6.203	6.107	6.307	555.170	500.000	11.0
Aroclor-1260-2	6.391	6.294	6.494	582.330	500.000	16.5
Aroclor-1260-3	6.545	6.448	6.648	547.050	500.000	9.4
Aroclor-1260-4	7.015	6.918	7.118	535.770	500.000	7.2
Aroclor-1260-5	7.257	7.159	7.359	569.080	500.000	13.8
Decachlorobiphenyl	8.637	8.539	8.739	54.680	50.000	9.4
Tetrachloro-m-xylene	3.642	3.545	3.745	58.830	50.000	17.7

Analytical Sequence

Client: EarthEfficient LLC

SDG No.: P4699

Project: 120-122 Liberty Ave BK

Instrument ID: ECD_O

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

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	10/15/2024	18:08	PO107183.D	10.06	4.37
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	10.06	4.37
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	10.06	4.37
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	10.06	4.37
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	10.06	4.37
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	10.06	4.37
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	10.06	4.37
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	10.06	4.37
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	10.06	4.37
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	10.06	4.37
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	10.06	4.37
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	10.06	4.37
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	10.06	4.37
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	10.06	4.37
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	10.06	4.37
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	10.06	4.37
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	10.06	4.37
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	10.06	4.37
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	10.06	4.37
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	10.06	4.37
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	10.06	4.37
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	10.06	4.37
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	10.06	4.37
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	10.06	4.37
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	10.06	4.37
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	10.06	4.37
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	10.06	4.37
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	10.06	4.37
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	10.06	4.37
AR1660CCC500	AR1660CCC500	11/05/2024	13:01	PO107682.D	10.07	4.37
IBLK	IBLK	11/05/2024	14:09	PO107686.D	10.07	4.37
PB164678BL	PB164678BL	11/05/2024	15:00	PO107687.D	10.07	4.37
PB164678BS	PB164678BS	11/05/2024	15:16	PO107688.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/05/2024	18:14	PO107697.D	10.07	4.37
IBLK	IBLK	11/05/2024	19:20	PO107701.D	10.07	4.37
MIXED-DEMO	P4699-01	11/05/2024	19:53	PO107703.D	10.07	4.37
BP-F3MS	P4701-01MS	11/05/2024	20:43	PO107706.D	10.07	4.37
BP-F3MSD	P4701-01MSD	11/05/2024	20:59	PO107707.D	10.07	4.37
AR1660CCC500	AR1660CCC500	11/05/2024	22:34	PO107711.D	10.07	4.37
IBLK	IBLK	11/05/2024	23:42	PO107715.D	10.07	4.37

Analytical Sequence

Client: EarthEfficient LLC

SDG No.: P4699

Project: 120-122 Liberty Ave BK

Instrument ID: ECD_O

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 10/15/2024

10/15/2024

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	10/15/2024	18:08	PO107183.D	8.64	3.64
AR1660ICC1000	AR1660ICC1000	10/15/2024	18:27	PO107184.D	8.64	3.64
AR1660ICC750	AR1660ICC750	10/15/2024	18:45	PO107185.D	8.64	3.64
AR1660ICC500	AR1660ICC500	10/15/2024	19:03	PO107186.D	8.64	3.65
AR1660ICC250	AR1660ICC250	10/15/2024	19:21	PO107187.D	8.64	3.64
AR1660ICC050	AR1660ICC050	10/15/2024	19:39	PO107188.D	8.64	3.64
AR1221ICC500	AR1221ICC500	10/15/2024	19:57	PO107189.D	8.64	3.64
AR1232ICC500	AR1232ICC500	10/15/2024	20:15	PO107190.D	8.64	3.64
AR1242ICC1000	AR1242ICC1000	10/15/2024	20:34	PO107191.D	8.64	3.64
AR1242ICC750	AR1242ICC750	10/15/2024	20:52	PO107192.D	8.64	3.64
AR1242ICC500	AR1242ICC500	10/15/2024	21:10	PO107193.D	8.64	3.64
AR1242ICC250	AR1242ICC250	10/15/2024	21:28	PO107194.D	8.64	3.65
AR1242ICC050	AR1242ICC050	10/15/2024	21:46	PO107195.D	8.64	3.64
AR1248ICC1000	AR1248ICC1000	10/15/2024	22:04	PO107196.D	8.64	3.64
AR1248ICC750	AR1248ICC750	10/15/2024	22:22	PO107197.D	8.64	3.64
AR1248ICC500	AR1248ICC500	10/15/2024	22:41	PO107198.D	8.64	3.64
AR1248ICC250	AR1248ICC250	10/15/2024	22:59	PO107199.D	8.64	3.64
AR1248ICC050	AR1248ICC050	10/15/2024	23:17	PO107200.D	8.64	3.64
AR1254ICC1000	AR1254ICC1000	10/15/2024	23:35	PO107201.D	8.64	3.65
AR1254ICC750	AR1254ICC750	10/15/2024	23:53	PO107202.D	8.64	3.64
AR1254ICC500	AR1254ICC500	10/16/2024	00:11	PO107203.D	8.64	3.64
AR1254ICC250	AR1254ICC250	10/16/2024	00:29	PO107204.D	8.64	3.64
AR1254ICC050	AR1254ICC050	10/16/2024	00:47	PO107205.D	8.64	3.65
AR1262ICC500	AR1262ICC500	10/16/2024	01:05	PO107206.D	8.64	3.64
AR1268ICC1000	AR1268ICC1000	10/16/2024	01:23	PO107207.D	8.64	3.65
AR1268ICC750	AR1268ICC750	10/16/2024	01:41	PO107208.D	8.64	3.64
AR1268ICC500	AR1268ICC500	10/16/2024	01:59	PO107209.D	8.64	3.65
AR1268ICC250	AR1268ICC250	10/16/2024	02:18	PO107210.D	8.64	3.64
AR1268ICC050	AR1268ICC050	10/16/2024	02:36	PO107211.D	8.64	3.65
AR1660CCC500	AR1660CCC500	11/05/2024	13:01	PO107682.D	8.64	3.64
IBLK	IBLK	11/05/2024	14:09	PO107686.D	8.64	3.64
PB164678BL	PB164678BL	11/05/2024	15:00	PO107687.D	8.64	3.64
PB164678BS	PB164678BS	11/05/2024	15:16	PO107688.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/05/2024	18:14	PO107697.D	8.64	3.64
IBLK	IBLK	11/05/2024	19:20	PO107701.D	8.64	3.64
MIXED-DEMO	P4699-01	11/05/2024	19:53	PO107703.D	8.64	3.64
BP-F3MS	P4701-01MS	11/05/2024	20:43	PO107706.D	8.64	3.64
BP-F3MSD	P4701-01MSD	11/05/2024	20:59	PO107707.D	8.64	3.64
AR1660CCC500	AR1660CCC500	11/05/2024	22:34	PO107711.D	8.64	3.64
IBLK	IBLK	11/05/2024	23:42	PO107715.D	8.64	3.64

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

PB164678BS

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Lab Sample ID: PB164678BS Date(s) Analyzed: 11/05/2024 11/05/2024

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 PO107688.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.523	5.473	5.573	159	155	0
COLUMN 1	2	5.544	5.494	5.594	154		
	3	5.607	5.557	5.657	152		
	4	5.704	5.654	5.754	157		
	5	5.999	5.949	6.049	153		
	1	4.723	4.673	4.773	160		
COLUMN 2	2	4.742	4.692	4.792	163	155	
	3	4.918	4.868	4.968	157		
	4	4.959	4.909	5.009	143		
	5	5.173	5.123	5.223	151		
Aroclor-1260	1	7.128	7.078	7.178	167	156	1.29
COLUMN 1	2	7.385	7.335	7.435	170		
	3	7.747	7.697	7.797	140		
	4	7.972	7.922	8.022	156		
	5	8.287	8.237	8.337	148		
	1	6.202	6.152	6.252	158	154	
COLUMN 2	2	6.39	6.34	6.44	167		
	3	6.543	6.493	6.593	163		
	4	7.014	6.964	7.064	138		
	5	7.255	7.205	7.305	145		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-F3MS

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Lab Sample ID: P4701-01MS Date(s) Analyzed: 11/05/2024 11/05/2024

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 PO107706.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.523	5.473	5.573	226	222	6.11
COLUMN 1	2	5.546	5.496	5.596	222		
	3	5.609	5.559	5.659	213		
	4	5.705	5.655	5.755	229		
	5	6.001	5.951	6.051	221		
	1	4.723	4.673	4.773	245		
COLUMN 2	2	4.742	4.692	4.792	255	236	
	3	4.918	4.868	4.968	241		
	4	4.959	4.909	5.009	214		
	5	5.173	5.123	5.223	223		
Aroclor-1260	1	7.13	7.08	7.18	214	211	1.88
COLUMN 1	2	7.386	7.336	7.436	218		
	3	7.749	7.699	7.799	194		
	4	7.973	7.923	8.023	222		
	5	8.288	8.238	8.338	208		
	1	6.204	6.154	6.254	219	215	
COLUMN 2	2	6.391	6.341	6.441	240		
	3	6.544	6.494	6.594	228		
	4	7.015	6.965	7.065	191		
	5	7.256	7.206	7.306	197		

IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

SAMPLE NO.

BP-F3MSD

Contract: EART12

Lab Code: CHEM Case No.: P4699 SAS No.: P4699 SDG NO.: P4699

Lab Sample ID: P4701-01MSD Date(s) Analyzed: 11/05/2024 11/05/2024

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 PO107707.D

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	MEAN CONCENTRATION	%RPD
			FROM	TO			
Aroclor-1016	1	5.522	5.472	5.572	243	238	2.49
COLUMN 1	2	5.544	5.494	5.594	237		
	3	5.607	5.557	5.657	228		
	4	5.703	5.653	5.753	248		
	5	5.998	5.948	6.048	231		
	1	4.723	4.673	4.773	254		
COLUMN 2	2	4.741	4.691	4.791	261	244	
	3	4.917	4.867	4.967	249		
	4	4.959	4.909	5.009	222		
	5	5.172	5.122	5.222	231		
Aroclor-1260	1	7.128	7.078	7.178	213	217	1.37
COLUMN 1	2	7.385	7.335	7.435	226		
	3	7.747	7.697	7.797	202		
	4	7.972	7.922	8.022	230		
	5	8.287	8.237	8.337	212		
	1	6.203	6.153	6.253	229		
COLUMN 2	2	6.39	6.34	6.44	236	220	
	3	6.544	6.494	6.594	225		
	4	7.015	6.965	7.065	202		
	5	7.256	7.206	7.306	210		



SAMPLE RAW DATA

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
 Data File : PO107703.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2024 19:53
 Operator : YP/AJ
 Sample : P4699-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 MIXED-DEMO

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: Nov 06 00:54:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 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...	4.373	3.642	207.4E6	74527027	22.755	23.156
2) SA Decachlor...	10.073	8.639	53836584	60828494	21.944	22.187

Target Compounds

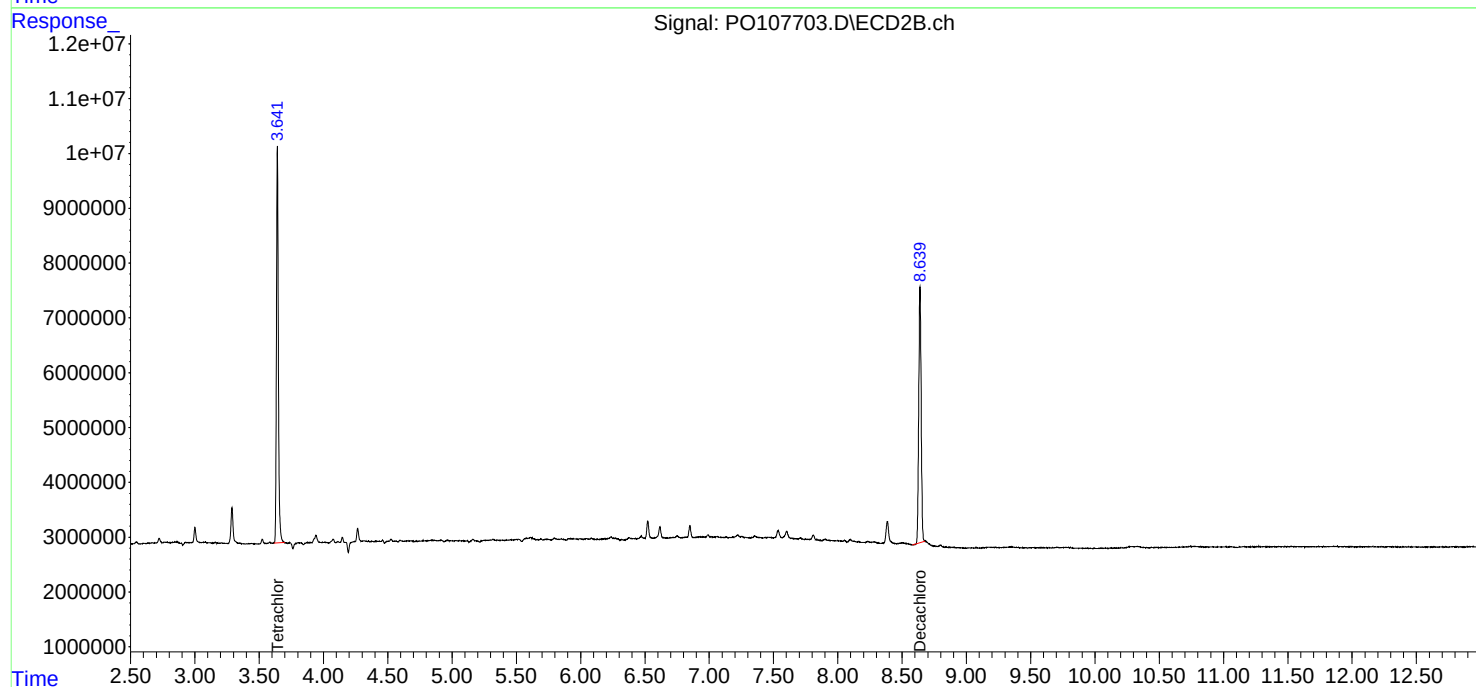
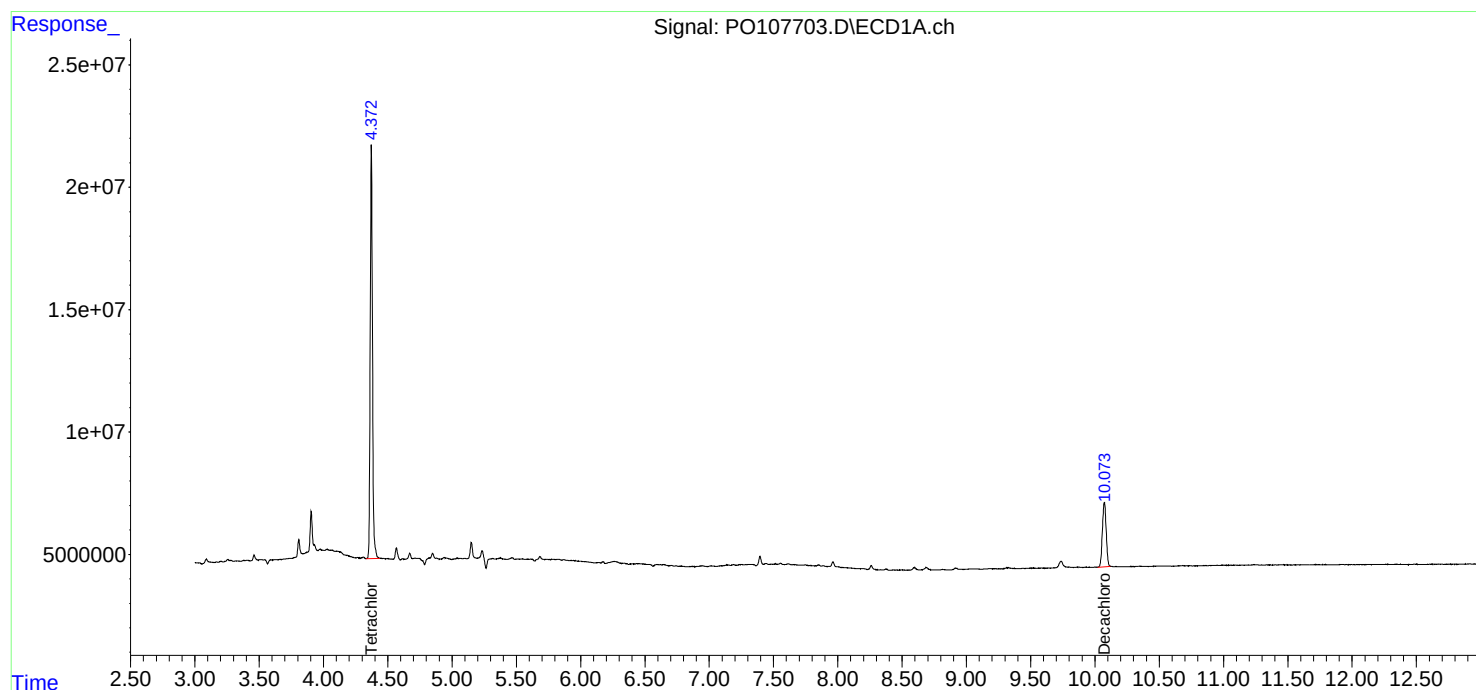
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

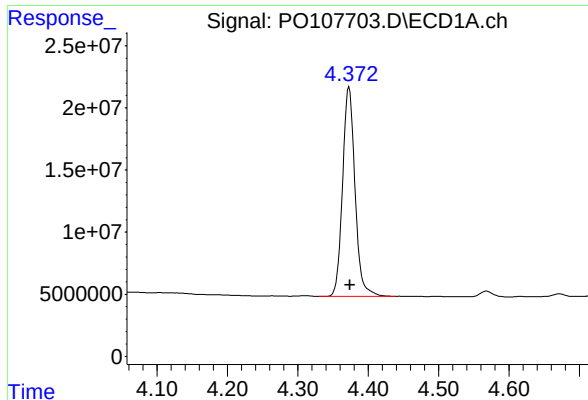
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
Data File : PO107703.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Nov 2024 19:53
Operator : YP/AJ
Sample : P4699-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
MIXED-DEMO

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:54:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
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

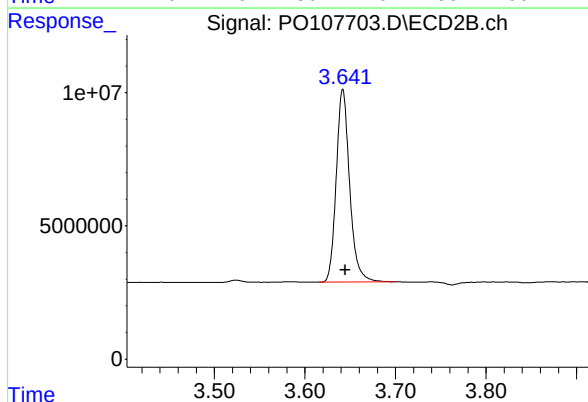




#1 Tetrachloro-m-xylene

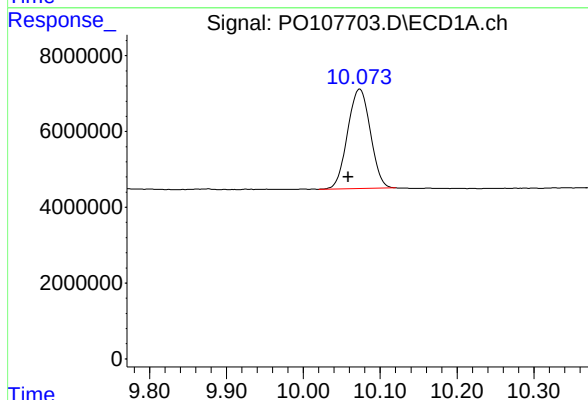
R.T.: 4.373 min
Delta R.T.: -0.001 min
Response: 207384475
Conc: 22.75 ng/ml

Instrument :
ECD_O
ClientSampleId :
MIXED-DEMO



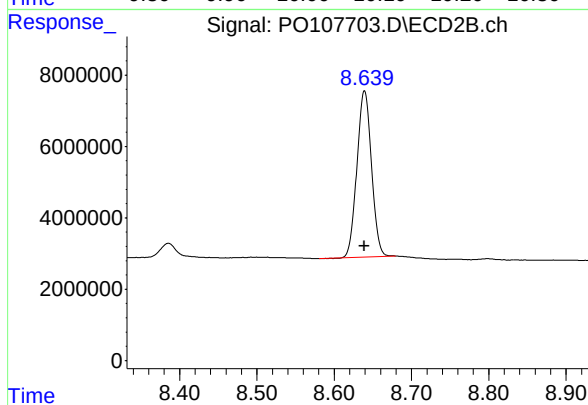
#1 Tetrachloro-m-xylene

R.T.: 3.642 min
Delta R.T.: -0.003 min
Response: 74527027
Conc: 23.16 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.073 min
Delta R.T.: 0.015 min
Response: 53836584
Conc: 21.94 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.639 min
Delta R.T.: 0.000 min
Response: 60828494
Conc: 22.19 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
 Data File : PO107687.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2024 15:00
 Operator : YP/AJ
 Sample : PB164678BL
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164678BL

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: Nov 06 00:45:50 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 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...	4.372	3.642	190.3E6	67905156	20.880	21.098
2) SA Decachlor...	10.074	8.637	53210309	58731987	21.689	21.423

Target Compounds

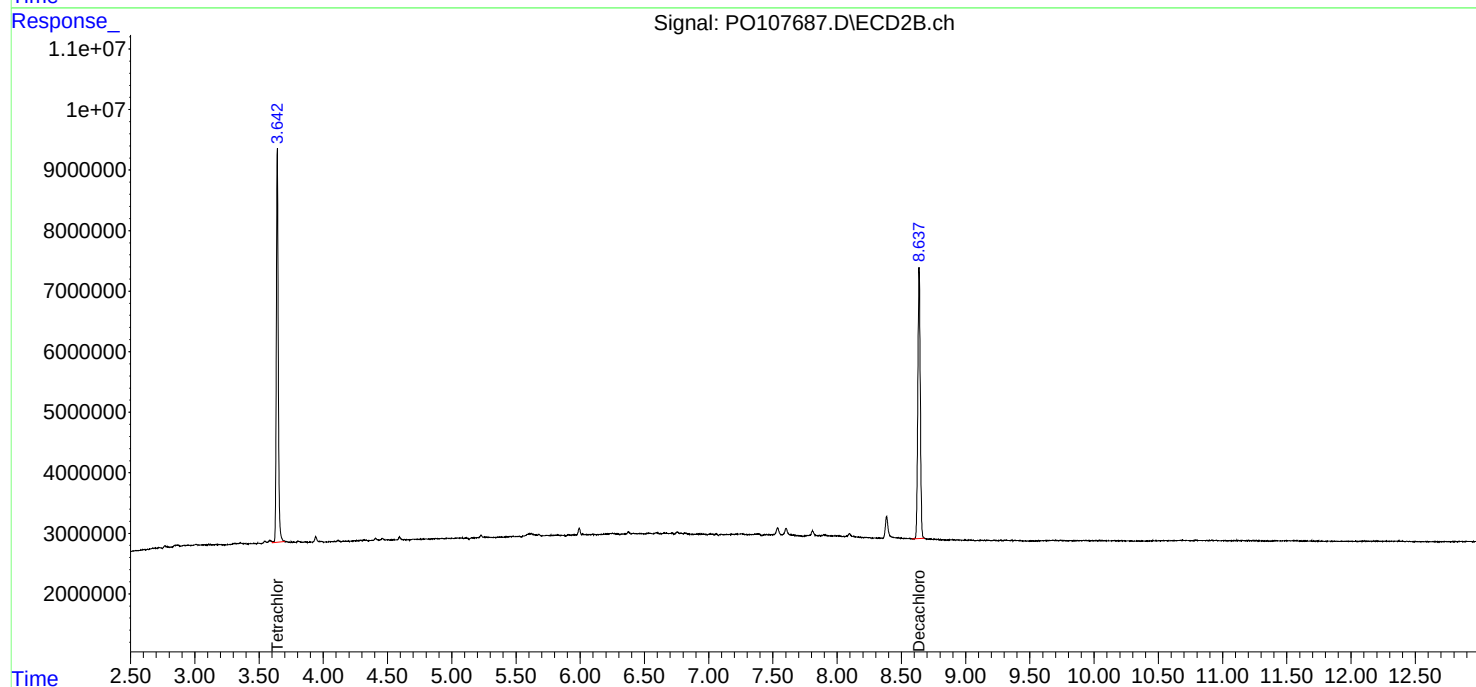
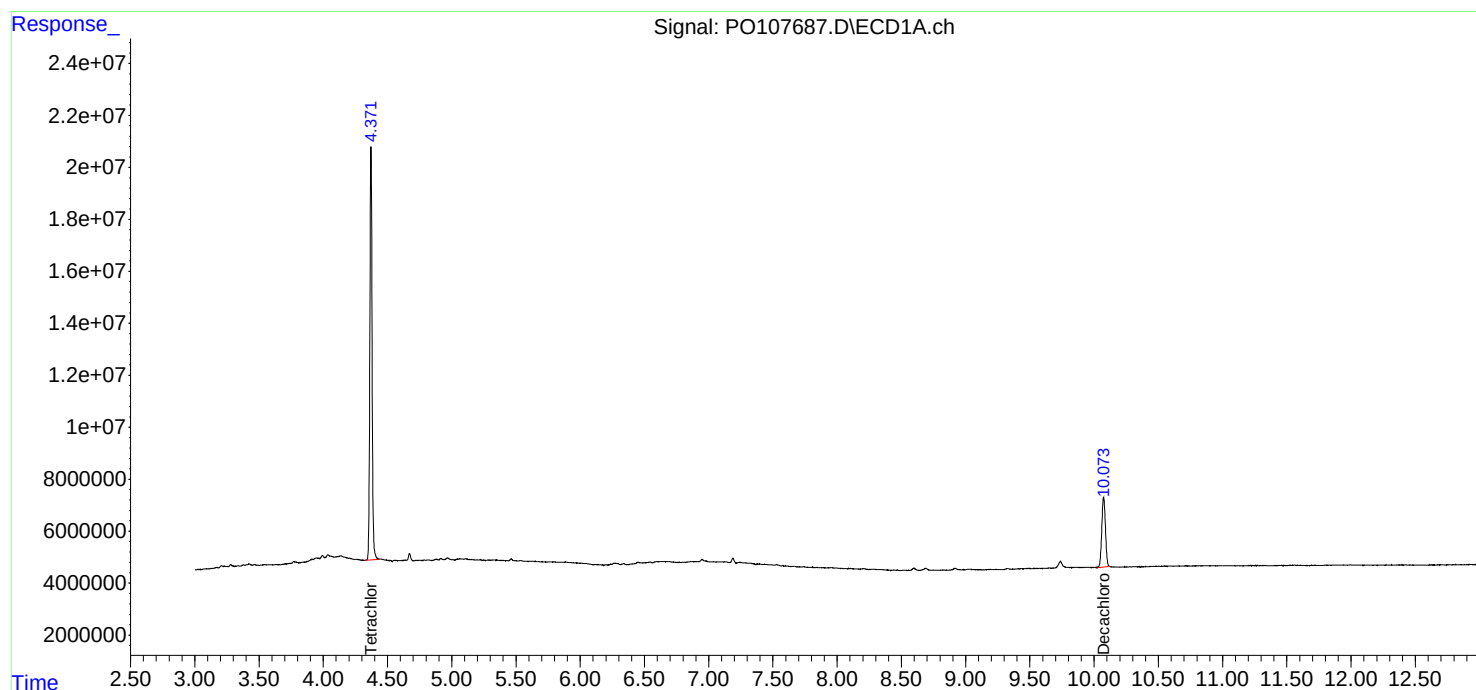
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

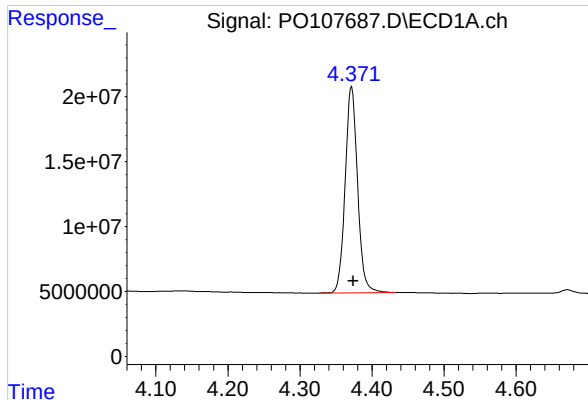
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
Data File : PO107687.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Nov 2024 15:00
Operator : YP/AJ
Sample : PB164678BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164678BL

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:45:50 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
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

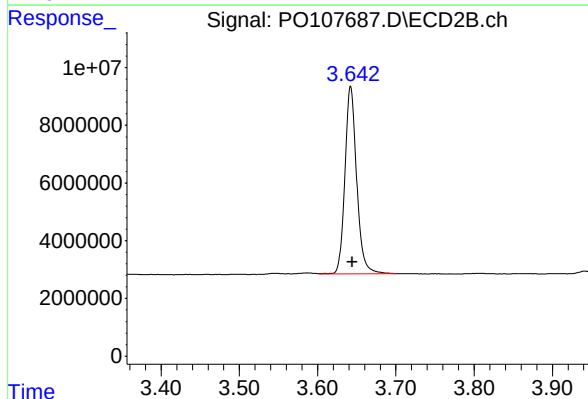




#1 Tetrachloro-m-xylene

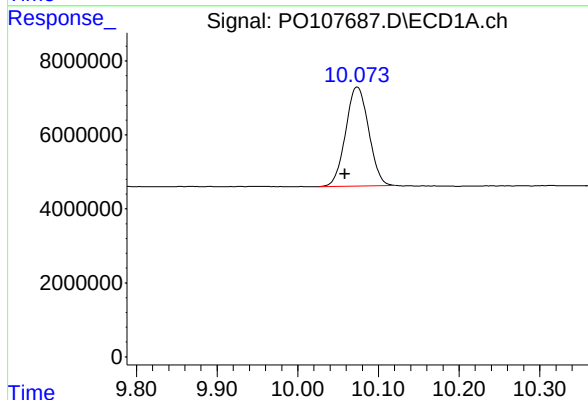
R.T.: 4.372 min
Delta R.T.: -0.002 min
Response: 190297832
Conc: 20.88 ng/ml

Instrument :
ECD_O
ClientSampleId :
PB164678BL



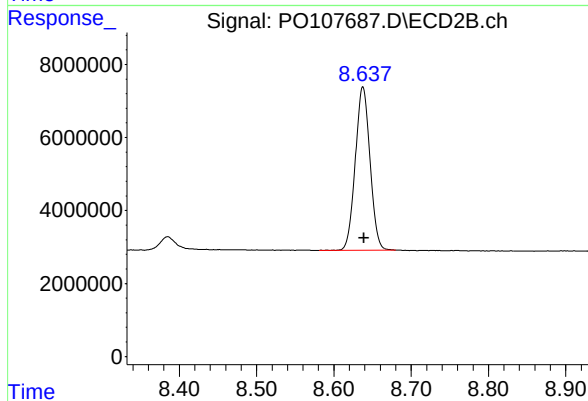
#1 Tetrachloro-m-xylene

R.T.: 3.642 min
Delta R.T.: -0.002 min
Response: 67905156
Conc: 21.10 ng/ml



#2 Decachlorobiphenyl

R.T.: 10.074 min
Delta R.T.: 0.016 min
Response: 53210309
Conc: 21.69 ng/ml



#2 Decachlorobiphenyl

R.T.: 8.637 min
Delta R.T.: -0.001 min
Response: 58731987
Conc: 21.42 ng/ml

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
 Data File : PO107688.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2024 15:16
 Operator : YP/AJ
 Sample : PB164678BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_O
 ClientSampleId :
 PB164678BS

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 00:46:21 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 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...	4.371	3.643	194.3E6	65152758	21.325	20.243
2) SA Decachlor...	10.071	8.636	53624821	59167262	21.858	21.581
Target Compounds						
3) L1 AR-1016-1	5.523	4.723	128.5E6	49534534	476.416	479.681
4) L1 AR-1016-2	5.544	4.742	184.0E6	68809838	463.637	488.125
5) L1 AR-1016-3	5.607	4.918	114.5E6	37068941	455.739	470.743
6) L1 AR-1016-4	5.704	4.959	91029031	28459100	472.603	430.492
7) L1 AR-1016-5	5.999	5.173	83652574	37260018	457.985	453.650
31) L7 AR-1260-1	7.128	6.202	129.2E6	73581512	499.797	474.246
32) L7 AR-1260-2	7.385	6.390	134.5E6	88364076	510.877	501.739
33) L7 AR-1260-3	7.747	6.543	75580135	82085088	420.485	489.335
34) L7 AR-1260-4	7.972	7.014	81977780	60130738	467.100	415.610
35) L7 AR-1260-5	8.287	7.255	126.3E6	143.0E6	444.055	433.917

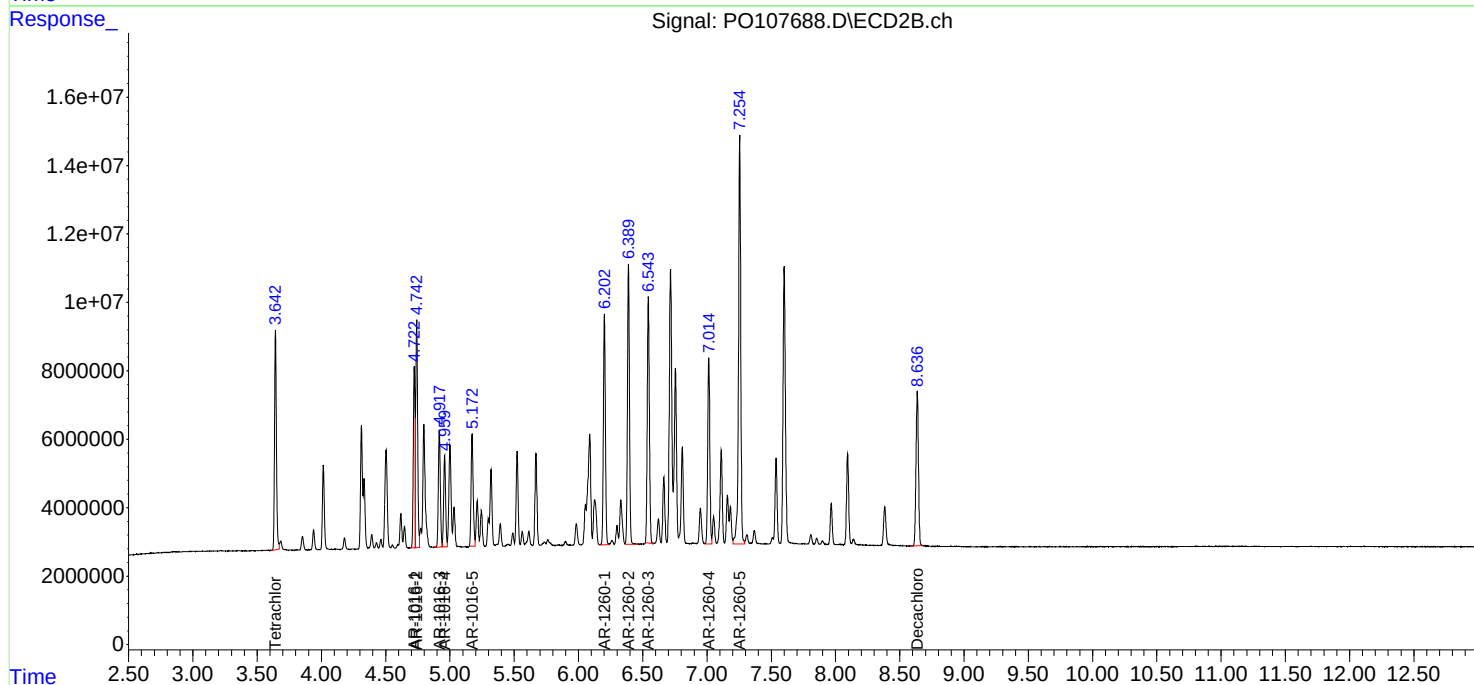
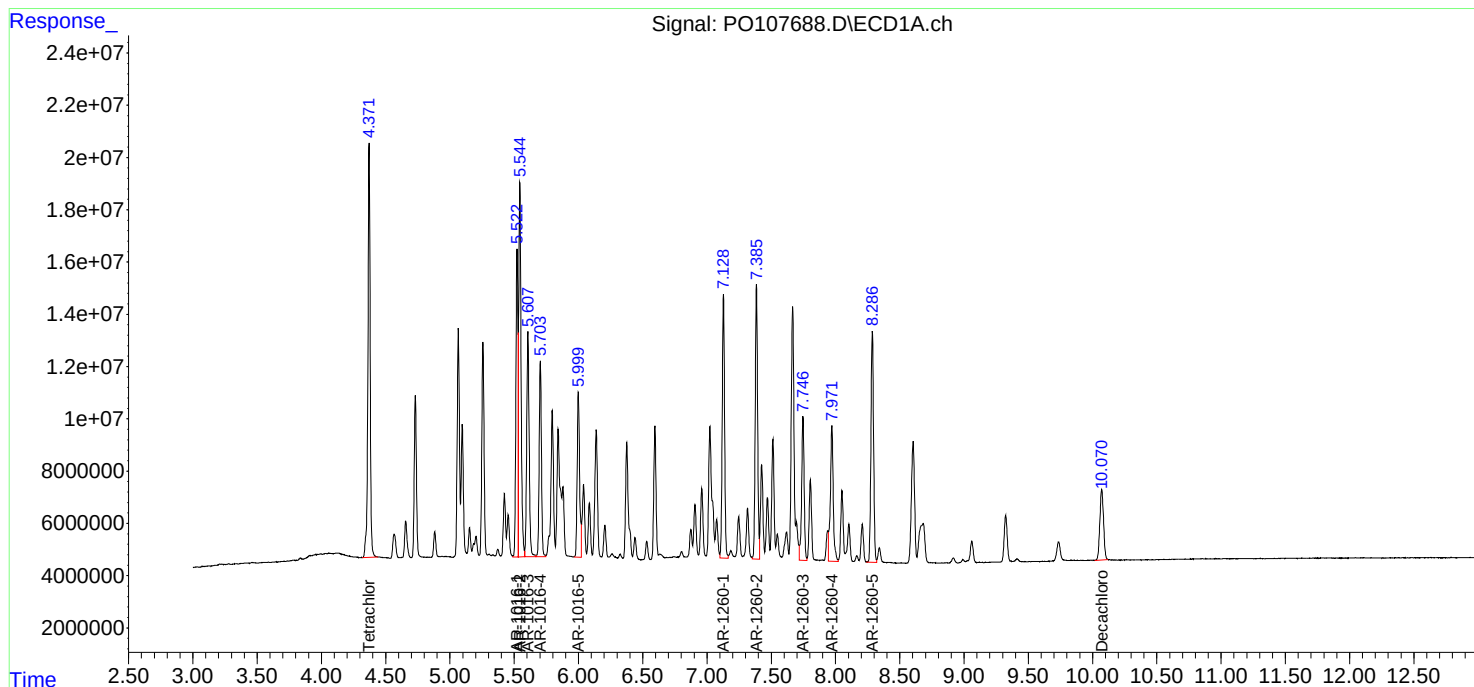
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
Data File : PO107688.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Nov 2024 15:16
Operator : YP/AJ
Sample : PB164678BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
ECD_O
ClientSampleId :
PB164678BS

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:46:21 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
 Data File : PO107706.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2024 20:43
 Operator : YP/AJ
 Sample : P4701-01MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

BP-F3MS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :Ankita Jodhani 11/06/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 00:57:13 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 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...	4.372	3.642	224.8E6	78371995	24.670	24.350
2) SA Decachlor...	10.072	8.637	52676649	59900443	21.471	21.849
Target Compounds						
3) L1 AR-1016-1	5.523	4.723	153.5E6	63543574	568.835	615.341
4) L1 AR-1016-2	5.546	4.742	221.5E6	90216821	557.983	639.982
5) L1 AR-1016-3	5.609	4.918	134.6E6	47771285	536.007	606.653
6) L1 AR-1016-4	5.705	4.959	110.8E6	35528000	575.301	537.421
7) L1 AR-1016-5	6.001	5.173	101.5E6	45989455	555.837	559.933
31) L7 AR-1260-1	7.130	6.204	139.2E6	85240865	538.410	549.393
32) L7 AR-1260-2	7.386	6.391	144.3E6	106.2E6	548.345	602.966
33) L7 AR-1260-3	7.749	6.544	87546421	95945976	487.059	571.964
34) L7 AR-1260-4	7.973	7.015	97949819	69532457	558.106m	480.592
35) L7 AR-1260-5	8.288	7.256	148.3E6	163.0E6	521.622	494.745

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
Data File : PO107706.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Nov 2024 20:43
Operator : YP/AJ
Sample : P4701-01MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

BP-F3MS

Manual Integrations

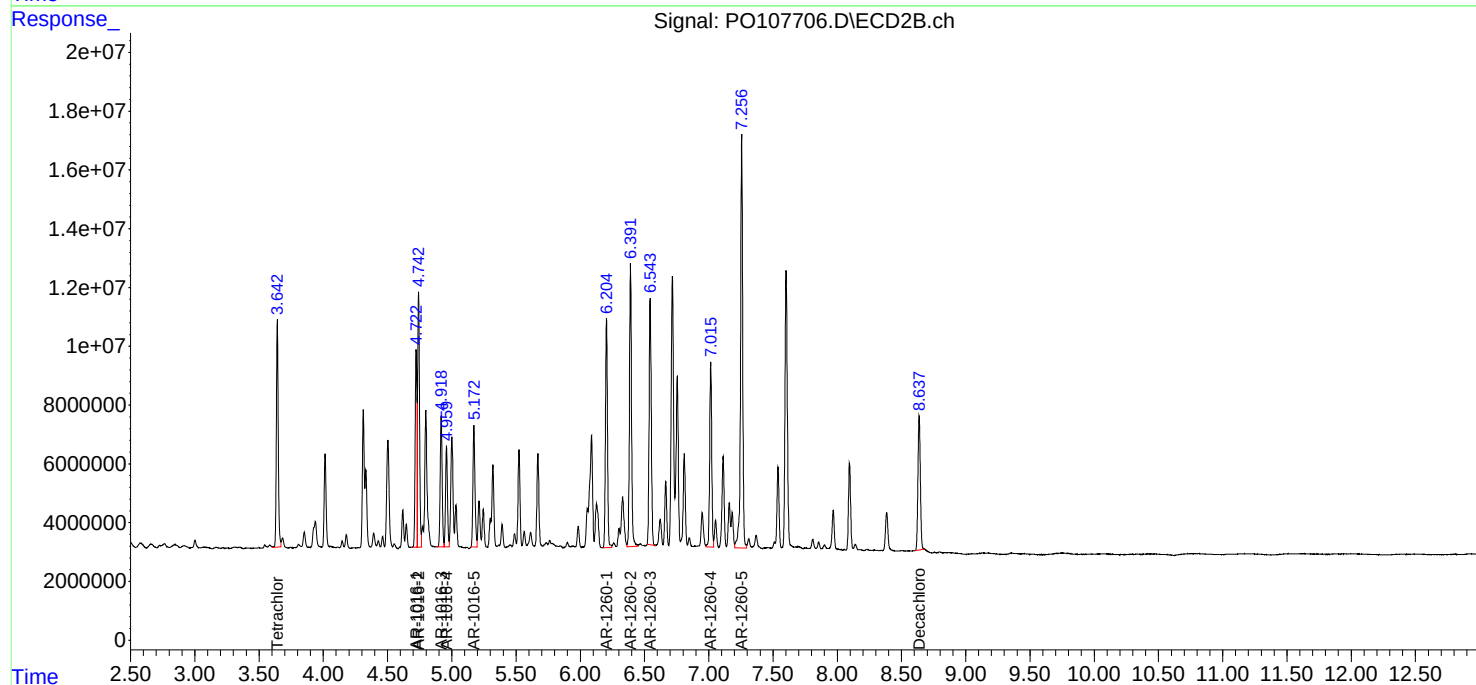
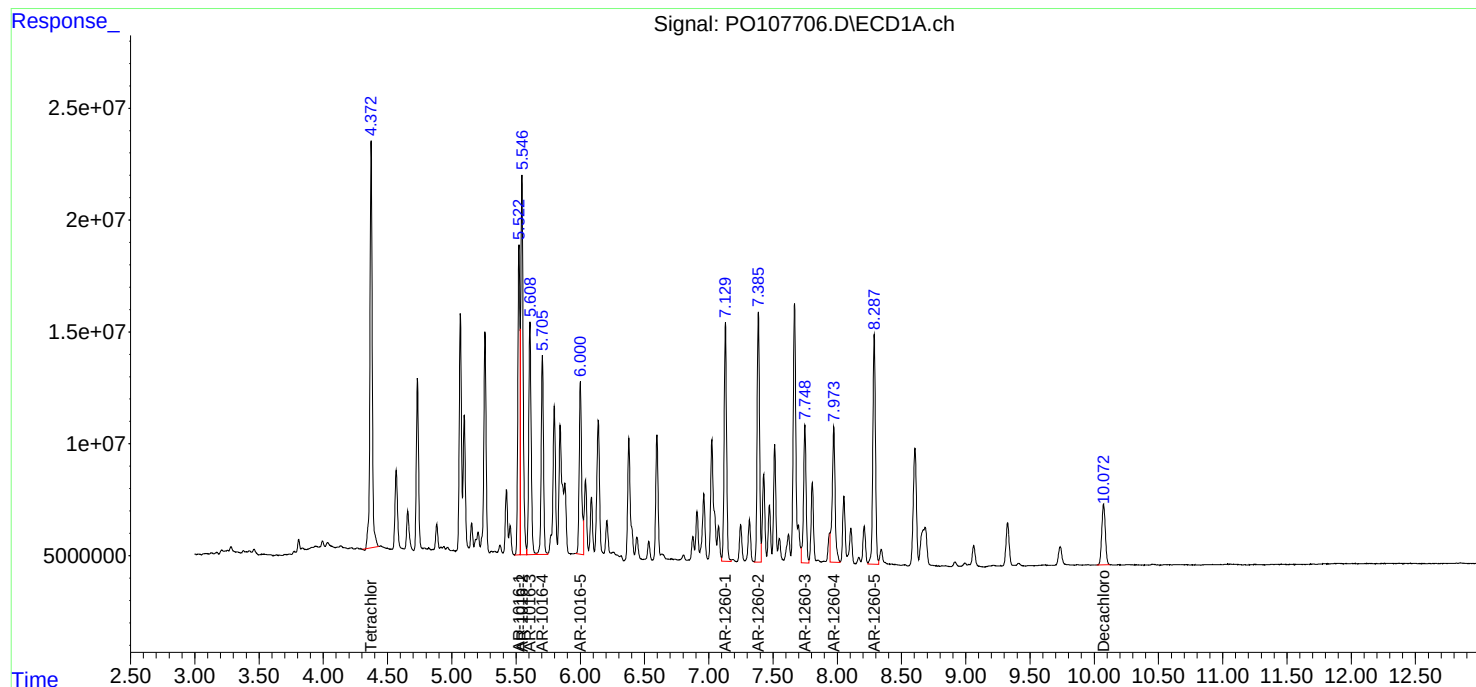
APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :Ankita Jodhani 11/06/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:57:13 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
 Data File : PO107707.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2024 20:59
 Operator : YP/AJ
 Sample : P4701-01MSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

BP-F3MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :Ankita Jodhani 11/06/2024

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 00:57:48 2024
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
 Quant Title : GC EXTRACTABLES
 QLast Update : Mon Oct 28 11:34:55 2024
 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...	4.371	3.642	214.0E6	79768989	23.480	24.785
2) SA Decachlor...	10.071	8.637	53283533	59484206	21.718	21.697
Target Compounds						
3) L1 AR-1016-1	5.522	4.723	165.2E6	66045470	612.139	639.569
4) L1 AR-1016-2	5.544	4.741	236.7E6	92671351	596.504	657.394
5) L1 AR-1016-3	5.607	4.917	144.2E6	49352025	574.174	626.727
6) L1 AR-1016-4	5.703	4.959	120.1E6	36877141	623.494	557.829
7) L1 AR-1016-5	5.998	5.172	105.9E6	47673979	579.573	580.443
31) L7 AR-1260-1	7.128	6.203	138.5E6	89349183	535.697	575.872
32) L7 AR-1260-2	7.385	6.390	149.7E6	104.4E6	568.550	592.668
33) L7 AR-1260-3	7.747	6.544	91145675	94986236	507.083	566.243
34) L7 AR-1260-4	7.972	7.015	101.7E6	73304045	579.359m	506.661
35) L7 AR-1260-5	8.287	7.256	151.5E6	174.1E6	532.794	528.615

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_O\Data\PO110524\
Data File : PO107707.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Nov 2024 20:59
Operator : YP/AJ
Sample : P4701-01MSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :

ECD_O

ClientSampleId :

BP-F3MSD

Manual Integrations

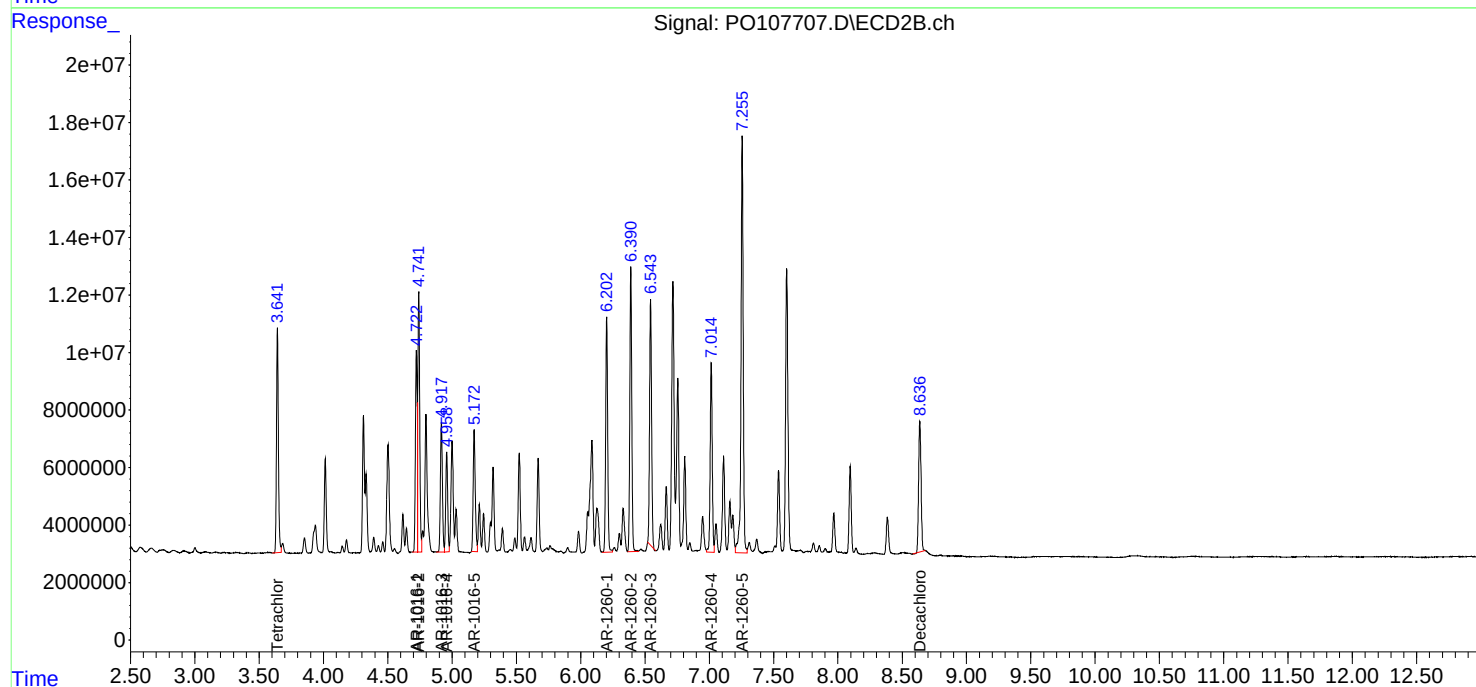
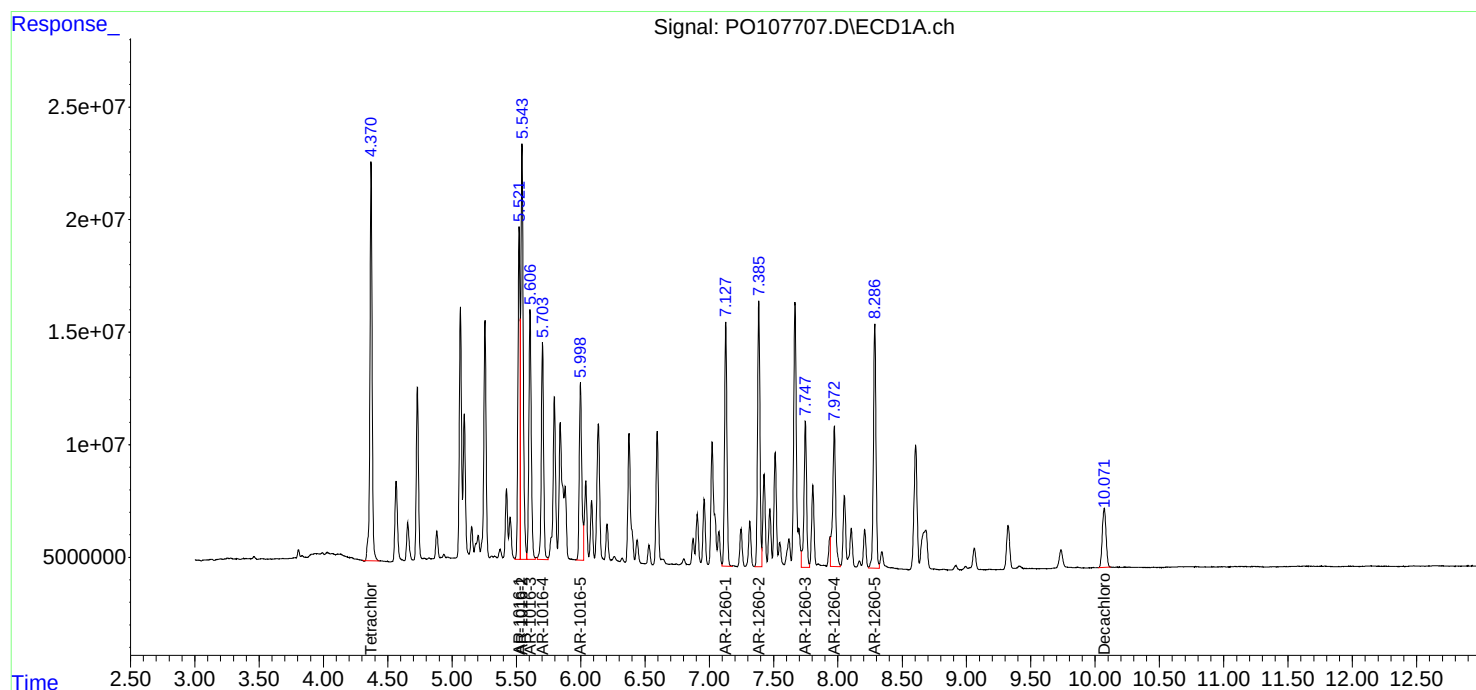
APPROVED

Reviewed By :Yogesh Patel 11/06/2024

Supervised By :Ankita Jodhani 11/06/2024

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:57:48 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_O\methods\PO101524.M
Quant Title : GC EXTRACTABLES
QLast Update : Mon Oct 28 11:34:55 2024
Response via : Initial Calibration
Integrator: ChemStation

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



Manual Integration Report

Sequence:	po101524	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1660ICC050	PO107188.D	AR-1260-1 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-2 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-3 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-4 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	AR-1260-5 #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1660ICC050	PO107188.D	Decachlorobiphenyl #2	yogesh	10/16/2024 8:48:58 AM	Ankita	10/16/2024 9:57:34	Peak Integrated by Software
AR1268ICC050	PO107211.D	AR-1268-1	yogesh	10/16/2024 8:49:03 AM	Ankita	10/16/2024 9:57:36	Peak Integrated by Software

Manual Integration Report

Sequence:	PO110524	Instrument	ECD_o
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
AR1254CCC500	PO107677.D	AR-1254-2 #2	yogesh	11/6/2024 9:28:08 AM	Ankita	11/6/2024 9:43:56	Peak Integrated by Software
AR1254CCC500	PO107677.D	AR-1254-5	yogesh	11/6/2024 9:28:08 AM	Ankita	11/6/2024 9:43:56	Peak Integrated by Software
AR1254CCC500	PO107685.D	AR-1254-2 #2	yogesh	11/6/2024 9:28:10 AM	Ankita	11/6/2024 9:43:59	Peak Integrated by Software
AR1254CCC500	PO107700.D	AR-1254-2 #2	yogesh	11/6/2024 9:28:26 AM	Ankita	11/6/2024 9:44:23	Peak Integrated by Software
P4701-01MS	PO107706.D	AR-1260-4	yogesh	11/6/2024 9:28:32 AM	Ankita	11/6/2024 9:45:31	Peak Integrated by Software
P4701-01MSD	PO107707.D	AR-1260-4	yogesh	11/6/2024 9:28:33 AM	Ankita	11/6/2024 9:45:32	Peak Integrated by Software
AR1254CCC500	PO107714.D	AR-1254-2 #2	yogesh	11/6/2024 9:28:38 AM	Ankita	11/6/2024 9:45:49	Peak Integrated by Software
AR1254CCC500	PO107723.D	AR-1254-2 #2	yogesh	11/6/2024 9:28:58 AM	Ankita	11/6/2024 9:45:56	Peak Integrated by Software

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107180.D	15 Oct 2024 13:05	YP/AJ	Ok
2	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	YP/AJ	Not Ok
3	HEXANE	PO107182.D	15 Oct 2024 17:50	YP/AJ	Ok
4	I.BLK	PO107183.D	15 Oct 2024 18:08	YP/AJ	Ok
5	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27	YP/AJ	Ok
6	AR1660ICC750	PO107185.D	15 Oct 2024 18:45	YP/AJ	Ok
7	AR1660ICC500	PO107186.D	15 Oct 2024 19:03	YP/AJ	Ok
8	AR1660ICC250	PO107187.D	15 Oct 2024 19:21	YP/AJ	Ok
9	AR1660ICC050	PO107188.D	15 Oct 2024 19:39	YP/AJ	Ok,M
10	AR1221ICC500	PO107189.D	15 Oct 2024 19:57	YP/AJ	Ok
11	AR1232ICC500	PO107190.D	15 Oct 2024 20:15	YP/AJ	Ok
12	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34	YP/AJ	Ok
13	AR1242ICC750	PO107192.D	15 Oct 2024 20:52	YP/AJ	Ok
14	AR1242ICC500	PO107193.D	15 Oct 2024 21:10	YP/AJ	Ok
15	AR1242ICC250	PO107194.D	15 Oct 2024 21:28	YP/AJ	Ok
16	AR1242ICC050	PO107195.D	15 Oct 2024 21:46	YP/AJ	Ok
17	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04	YP/AJ	Ok
18	AR1248ICC750	PO107197.D	15 Oct 2024 22:22	YP/AJ	Ok
19	AR1248ICC500	PO107198.D	15 Oct 2024 22:41	YP/AJ	Ok
20	AR1248ICC250	PO107199.D	15 Oct 2024 22:59	YP/AJ	Ok
21	AR1248ICC050	PO107200.D	15 Oct 2024 23:17	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35	YP/AJ	Ok
23	AR1254ICC750	PO107202.D	15 Oct 2024 23:53	YP/AJ	Ok
24	AR1254ICC500	PO107203.D	16 Oct 2024 00:11	YP/AJ	Ok
25	AR1254ICC250	PO107204.D	16 Oct 2024 00:29	YP/AJ	Ok
26	AR1254ICC050	PO107205.D	16 Oct 2024 00:47	YP/AJ	Ok
27	AR1262ICC500	PO107206.D	16 Oct 2024 01:05	YP/AJ	Ok
28	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23	YP/AJ	Ok
29	AR1268ICC750	PO107208.D	16 Oct 2024 01:41	YP/AJ	Ok
30	AR1268ICC500	PO107209.D	16 Oct 2024 01:59	YP/AJ	Ok
31	AR1268ICC250	PO107210.D	16 Oct 2024 02:18	YP/AJ	Ok
32	AR1268ICC050	PO107211.D	16 Oct 2024 02:36	YP/AJ	Ok,M
33	PO101524ICV500	PO107212.D	16 Oct 2024 02:54	YP/AJ	Ok
34	AR1242ICV500	PO107213.D	16 Oct 2024 03:12	YP/AJ	Ok
35	AR1248ICV500	PO107214.D	16 Oct 2024 03:30	YP/AJ	Ok
36	AR1254ICV500	PO107215.D	16 Oct 2024 03:48	YP/AJ	Ok
37	AR1268ICV500	PO107216.D	16 Oct 2024 04:06	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampleld	Data File Name	Date-Time	Operator	Status
1	HEXANE	PO107673.D	05 Nov 2024 09:02	YP/AJ	Ok
2	AR1660CCC500	PO107674.D	05 Nov 2024 09:19	YP/AJ	Ok
3	AR1242CCC500	PO107675.D	05 Nov 2024 10:16	YP/AJ	Ok
4	AR1248CCC500	PO107676.D	05 Nov 2024 10:32	YP/AJ	Ok
5	AR1254CCC500	PO107677.D	05 Nov 2024 10:49	YP/AJ	Ok,M
6	I.BLK	PO107678.D	05 Nov 2024 11:06	YP/AJ	Ok
7	PB144677BL	PO107679.D	05 Nov 2024 11:43	YP/AJ	Ok
8	PB144677BS	PO107680.D	05 Nov 2024 11:59	YP/AJ	Ok
9	P4677-01	PO107681.D	05 Nov 2024 12:15	YP/AJ	Ok,M
10	AR1660CCC500	PO107682.D	05 Nov 2024 13:01	YP/AJ	Ok
11	AR1242CCC500	PO107683.D	05 Nov 2024 13:18	YP/AJ	Ok
12	AR1248CCC500	PO107684.D	05 Nov 2024 13:35	YP/AJ	Ok
13	AR1254CCC500	PO107685.D	05 Nov 2024 13:52	YP/AJ	Ok,M
14	I.BLK	PO107686.D	05 Nov 2024 14:09	YP/AJ	Ok
15	PB164678BL	PO107687.D	05 Nov 2024 15:00	YP/AJ	Ok
16	PB164678BS	PO107688.D	05 Nov 2024 15:16	YP/AJ	Ok
17	P4682-01	PO107689.D	05 Nov 2024 15:33	YP/AJ	Ok,M
18	P4684-01	PO107690.D	05 Nov 2024 15:49	YP/AJ	Ok,M
19	P4685-01	PO107691.D	05 Nov 2024 16:06	YP/AJ	Ok,M
20	P4693-01	PO107692.D	05 Nov 2024 16:23	YP/AJ	Ok,M
21	P4693-05	PO107693.D	05 Nov 2024 16:39	YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QCBatch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

22	P4694-01	PO107694.D	05 Nov 2024 16:55	YP/AJ	Ok,M
23	P4694-05	PO107695.D	05 Nov 2024 17:12	YP/AJ	Ok,M
24	P4695-01	PO107696.D	05 Nov 2024 17:28	YP/AJ	Ok,M
25	AR1660CCC500	PO107697.D	05 Nov 2024 18:14	YP/AJ	Ok
26	AR1242CCC500	PO107698.D	05 Nov 2024 18:31	YP/AJ	Ok
27	AR1248CCC500	PO107699.D	05 Nov 2024 18:48	YP/AJ	Ok
28	AR1254CCC500	PO107700.D	05 Nov 2024 19:04	YP/AJ	Ok,M
29	I.BLK	PO107701.D	05 Nov 2024 19:20	YP/AJ	Ok
30	P4697-01	PO107702.D	05 Nov 2024 19:36	YP/AJ	Ok,M
31	P4699-01	PO107703.D	05 Nov 2024 19:53	YP/AJ	Ok
32	P4700-01	PO107704.D	05 Nov 2024 20:10	YP/AJ	Ok,M
33	P4701-01	PO107705.D	05 Nov 2024 20:26	YP/AJ	Ok
34	P4701-01MS	PO107706.D	05 Nov 2024 20:43	YP/AJ	Ok,M
35	P4701-01MSD	PO107707.D	05 Nov 2024 20:59	YP/AJ	Ok,M
36	P4701-05	PO107708.D	05 Nov 2024 21:15	YP/AJ	Ok
37	P4711-01	PO107709.D	05 Nov 2024 21:31	YP/AJ	Ok,M
38	P4711-06	PO107710.D	05 Nov 2024 21:48	YP/AJ	Ok,M
39	AR1660CCC500	PO107711.D	05 Nov 2024 22:34	YP/AJ	Ok
40	AR1242CCC500	PO107712.D	05 Nov 2024 22:51	YP/AJ	Ok
41	AR1248CCC500	PO107713.D	05 Nov 2024 23:07	YP/AJ	Ok
42	AR1254CCC500	PO107714.D	05 Nov 2024 23:25	YP/AJ	Ok,M
43	I.BLK	PO107715.D	05 Nov 2024 23:42	YP/AJ	Ok
44	P4705-01	PO107716.D	05 Nov 2024 23:58	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,PP23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

45	P4703-02	PO107717.D	06 Nov 2024 00:14	YP/AJ	Ok,M
46	P4703-03	PO107718.D	06 Nov 2024 00:30	YP/AJ	Ok,M
47	P4703-01	PO107719.D	06 Nov 2024 00:47	YP/AJ	Ok,M
48	AR1660CCC500	PO107720.D	06 Nov 2024 02:03	YP/AJ	Ok
49	AR1242CCC500	PO107721.D	06 Nov 2024 02:19	YP/AJ	Ok
50	AR1248CCC500	PO107722.D	06 Nov 2024 02:35	YP/AJ	Ok
51	AR1254CCC500	PO107723.D	06 Nov 2024 02:51	YP/AJ	Ok,M
52	I.BLK	PO107724.D	06 Nov 2024 03:08	YP/AJ	Ok

M : Manual Integration

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107180.D	15 Oct 2024 13:05		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107181.D	15 Oct 2024 13:23	need ICAL	YP/AJ	Not Ok
3	HEXANE	HEXANE	PO107182.D	15 Oct 2024 17:50		YP/AJ	Ok
4	I.BLK	I.BLK	PO107183.D	15 Oct 2024 18:08		YP/AJ	Ok
5	AR1660ICC1000	AR1660ICC1000	PO107184.D	15 Oct 2024 18:27		YP/AJ	Ok
6	AR1660ICC750	AR1660ICC750	PO107185.D	15 Oct 2024 18:45		YP/AJ	Ok
7	AR1660ICC500	AR1660ICC500	PO107186.D	15 Oct 2024 19:03		YP/AJ	Ok
8	AR1660ICC250	AR1660ICC250	PO107187.D	15 Oct 2024 19:21		YP/AJ	Ok
9	AR1660ICC050	AR1660ICC050	PO107188.D	15 Oct 2024 19:39		YP/AJ	Ok,M
10	AR1221ICC500	AR1221ICC500	PO107189.D	15 Oct 2024 19:57		YP/AJ	Ok
11	AR1232ICC500	AR1232ICC500	PO107190.D	15 Oct 2024 20:15		YP/AJ	Ok
12	AR1242ICC1000	AR1242ICC1000	PO107191.D	15 Oct 2024 20:34		YP/AJ	Ok
13	AR1242ICC750	AR1242ICC750	PO107192.D	15 Oct 2024 20:52		YP/AJ	Ok
14	AR1242ICC500	AR1242ICC500	PO107193.D	15 Oct 2024 21:10		YP/AJ	Ok
15	AR1242ICC250	AR1242ICC250	PO107194.D	15 Oct 2024 21:28		YP/AJ	Ok
16	AR1242ICC050	AR1242ICC050	PO107195.D	15 Oct 2024 21:46		YP/AJ	Ok
17	AR1248ICC1000	AR1248ICC1000	PO107196.D	15 Oct 2024 22:04		YP/AJ	Ok
18	AR1248ICC750	AR1248ICC750	PO107197.D	15 Oct 2024 22:22		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	AR1248ICC500	AR1248ICC500	PO107198.D	15 Oct 2024 22:41		YP/AJ	Ok
20	AR1248ICC250	AR1248ICC250	PO107199.D	15 Oct 2024 22:59		YP/AJ	Ok
21	AR1248ICC050	AR1248ICC050	PO107200.D	15 Oct 2024 23:17		YP/AJ	Ok
22	AR1254ICC1000	AR1254ICC1000	PO107201.D	15 Oct 2024 23:35		YP/AJ	Ok
23	AR1254ICC750	AR1254ICC750	PO107202.D	15 Oct 2024 23:53		YP/AJ	Ok
24	AR1254ICC500	AR1254ICC500	PO107203.D	16 Oct 2024 00:11		YP/AJ	Ok
25	AR1254ICC250	AR1254ICC250	PO107204.D	16 Oct 2024 00:29		YP/AJ	Ok
26	AR1254ICC050	AR1254ICC050	PO107205.D	16 Oct 2024 00:47		YP/AJ	Ok
27	AR1262ICC500	AR1262ICC500	PO107206.D	16 Oct 2024 01:05		YP/AJ	Ok
28	AR1268ICC1000	AR1268ICC1000	PO107207.D	16 Oct 2024 01:23		YP/AJ	Ok
29	AR1268ICC750	AR1268ICC750	PO107208.D	16 Oct 2024 01:41		YP/AJ	Ok
30	AR1268ICC500	AR1268ICC500	PO107209.D	16 Oct 2024 01:59		YP/AJ	Ok
31	AR1268ICC250	AR1268ICC250	PO107210.D	16 Oct 2024 02:18		YP/AJ	Ok
32	AR1268ICC050	AR1268ICC050	PO107211.D	16 Oct 2024 02:36		YP/AJ	Ok,M
33	PO101524ICV500	ICVPO101524	PO107212.D	16 Oct 2024 02:54		YP/AJ	Ok
34	AR1242ICV500	ICVPO101524AR1242	PO107213.D	16 Oct 2024 03:12		YP/AJ	Ok
35	AR1248ICV500	ICVPO101524AR1248	PO107214.D	16 Oct 2024 03:30		YP/AJ	Ok
36	AR1254ICV500	ICVPO101524AR1254	PO107215.D	16 Oct 2024 03:48		YP/AJ	Ok
37	AR1268ICV500	ICVPO101524AR1268	PO107216.D	16 Oct 2024 04:06		YP/AJ	Ok

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO101524

Review By	yogesh	Review On	10/16/2024 8:49:12 AM
Supervise By	Ankita	Supervise On	10/16/2024 9:57:42 AM
SubDirectory	PO101524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790,PP23792		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

M : Manual Integration

A
B
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L

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	HEXANE	HEXANE	PO107673.D	05 Nov 2024 09:02		YP/AJ	Ok
2	AR1660CCC500	AR1660CCC500	PO107674.D	05 Nov 2024 09:19		YP/AJ	Ok
3	AR1242CCC500	AR1242CCC500	PO107675.D	05 Nov 2024 10:16		YP/AJ	Ok
4	AR1248CCC500	AR1248CCC500	PO107676.D	05 Nov 2024 10:32		YP/AJ	Ok
5	AR1254CCC500	AR1254CCC500	PO107677.D	05 Nov 2024 10:49		YP/AJ	Ok,M
6	I.BLK	I.BLK	PO107678.D	05 Nov 2024 11:06		YP/AJ	Ok
7	PB144677BL	PB144677BL	PO107679.D	05 Nov 2024 11:43		YP/AJ	Ok
8	PB144677BS	PB144677BS	PO107680.D	05 Nov 2024 11:59		YP/AJ	Ok
9	P4677-01	2410-6346	PO107681.D	05 Nov 2024 12:15		YP/AJ	Ok,M
10	AR1660CCC500	AR1660CCC500	PO107682.D	05 Nov 2024 13:01		YP/AJ	Ok
11	AR1242CCC500	AR1242CCC500	PO107683.D	05 Nov 2024 13:18		YP/AJ	Ok
12	AR1248CCC500	AR1248CCC500	PO107684.D	05 Nov 2024 13:35		YP/AJ	Ok
13	AR1254CCC500	AR1254CCC500	PO107685.D	05 Nov 2024 13:52		YP/AJ	Ok,M
14	I.BLK	I.BLK	PO107686.D	05 Nov 2024 14:09		YP/AJ	Ok
15	PB164678BL	PB164678BL	PO107687.D	05 Nov 2024 15:00		YP/AJ	Ok
16	PB164678BS	PB164678BS	PO107688.D	05 Nov 2024 15:16		YP/AJ	Ok
17	P4682-01	BELL-SHOP-RAGS	PO107689.D	05 Nov 2024 15:33		YP/AJ	Ok,M
18	P4684-01	MECHANIC-ST-SWEE	PO107690.D	05 Nov 2024 15:49	AR1260 Hit	YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk			
Initial Calibration Stds	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775		
CCC	PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773		
Internal Standard/PEM			
ICV/I.BLK	PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

19	P4685-01	OK-01-11012024	PO107691.D	05 Nov 2024 16:06		YP/AJ	Ok,M
20	P4693-01	BP-G5-WC	PO107692.D	05 Nov 2024 16:23		YP/AJ	Ok,M
21	P4693-05	BP-G4-WC	PO107693.D	05 Nov 2024 16:39		YP/AJ	Ok
22	P4694-01	Z-03A	PO107694.D	05 Nov 2024 16:55		YP/AJ	Ok,M
23	P4694-05	Z-04	PO107695.D	05 Nov 2024 17:12		YP/AJ	Ok,M
24	P4695-01	Z-01	PO107696.D	05 Nov 2024 17:28		YP/AJ	Ok,M
25	AR1660CCC500	AR1660CCC500	PO107697.D	05 Nov 2024 18:14		YP/AJ	Ok
26	AR1242CCC500	AR1242CCC500	PO107698.D	05 Nov 2024 18:31		YP/AJ	Ok
27	AR1248CCC500	AR1248CCC500	PO107699.D	05 Nov 2024 18:48		YP/AJ	Ok
28	AR1254CCC500	AR1254CCC500	PO107700.D	05 Nov 2024 19:04		YP/AJ	Ok,M
29	I.BLK	I.BLK	PO107701.D	05 Nov 2024 19:20		YP/AJ	Ok
30	P4697-01	TP-1	PO107702.D	05 Nov 2024 19:36		YP/AJ	Ok,M
31	P4699-01	MIXED-DEMO	PO107703.D	05 Nov 2024 19:53		YP/AJ	Ok
32	P4700-01	MH-8	PO107704.D	05 Nov 2024 20:10		YP/AJ	Ok,M
33	P4701-01	BP-F3	PO107705.D	05 Nov 2024 20:26		YP/AJ	Ok
34	P4701-01MS	BP-F3MS	PO107706.D	05 Nov 2024 20:43		YP/AJ	Ok,M
35	P4701-01MSD	BP-F3MSD	PO107707.D	05 Nov 2024 20:59		YP/AJ	Ok,M
36	P4701-05	BP-F4	PO107708.D	05 Nov 2024 21:15		YP/AJ	Ok
37	P4711-01	CF-613-COMP-16	PO107709.D	05 Nov 2024 21:31		YP/AJ	Ok,M

Instrument ID: ECD_O

Daily Analysis Runlog For Sequence/QC Batch ID # PO110524

Review By	yogesh	Review On	11/6/2024 9:29:20 AM
Supervise By	Ankita	Supervise On	11/6/2024 9:46:53 AM
SubDirectory	PO110524	HP Acquire Method	HP Processing Method PO101524
STD. NAME	STD REF.#		
Tune/Reschk	PP23735,PP23736,PP23737,PP23738,PP23739,PP23740,PP23741,PP23742,PP23743,PP23744,PP23745,PP23747,PP23748,PP23749,PP23750,P P23751,PP23752,PP23753,PP23754,PP23755,PP23756,PP23757,PP23758,PP23759,PP23760,PP23761,PP23762,PP23763,PP23764,PP23765,PP 23766,PP23767,PP23768,PP23769,PP23770,PP23771,PP23772,PP23773,PP23774,PP23775 PP23737,PP23742,PP23749,PP23754,PP23758,PP23763,PP23768,PP23773 PP23778,PP23780,PP23783,PP23784,PP23786,PP23788,PP23790		
Initial Calibration Stds			
CCC			
Internal Standard/PEM			
ICV/I.BLK			
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

38	P4711-06	CF-613-COMP-17	PO107710.D	05 Nov 2024 21:48		YP/AJ	Ok,M
39	AR1660CCC500	AR1660CCC500	PO107711.D	05 Nov 2024 22:34		YP/AJ	Ok
40	AR1242CCC500	AR1242CCC500	PO107712.D	05 Nov 2024 22:51		YP/AJ	Ok
41	AR1248CCC500	AR1248CCC500	PO107713.D	05 Nov 2024 23:07		YP/AJ	Ok
42	AR1254CCC500	AR1254CCC500	PO107714.D	05 Nov 2024 23:25		YP/AJ	Ok,M
43	I.BLK	I.BLK	PO107715.D	05 Nov 2024 23:42		YP/AJ	Ok
44	P4705-01	1024	PO107716.D	05 Nov 2024 23:58	TCMX low in 2nd column,	YP/AJ	Ok,M
45	P4703-02	0910	PO107717.D	06 Nov 2024 00:14	DCB high in 1st column	YP/AJ	Ok,M
46	P4703-03	1008	PO107718.D	06 Nov 2024 00:30		YP/AJ	Ok,M
47	P4703-01	S0-1	PO107719.D	06 Nov 2024 00:47		YP/AJ	Ok,M
48	AR1660CCC500	AR1660CCC500	PO107720.D	06 Nov 2024 02:03		YP/AJ	Ok
49	AR1242CCC500	AR1242CCC500	PO107721.D	06 Nov 2024 02:19		YP/AJ	Ok
50	AR1248CCC500	AR1248CCC500	PO107722.D	06 Nov 2024 02:35		YP/AJ	Ok
51	AR1254CCC500	AR1254CCC500	PO107723.D	06 Nov 2024 02:51		YP/AJ	Ok,M
52	I.BLK	I.BLK	PO107724.D	06 Nov 2024 03:08		YP/AJ	Ok

M : Manual Integration

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	Acid Cleanup	Extraction Start Date :	11/05/2024
Matrix :	Solid	Extraction Start Time :	08:35
Weight By:	RJ	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
Extraction Method:	☐ Separatory Funnel	☐ Continuous Liquid/Liquid	☐ Sonication
		☐ Waste Dilution	☒ Soxhlet
		Extraction End Date :	11/05/2024
		Extraction End Time :	11:50
		Concentration By:	RS
		Supervisor By :	rajesh

Standard Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	5000 PPB	PP23640
Surrogate	1.0ML	200 PPB	PP23858
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	EP2539
Baked Na2SO4	N/A	EP2556
Hexane	N/A	E3819
Sand	N/A	E2865
H2SO4 1:1	N/A	EP2548
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:

40 ML Vial lot# 03-40BTS721. P4682-01.P4703-01,02, P4705-01 Limited volume used as samples are Oil & Oily debries

KD Bath ID:	N/A	Envap ID:	NEVAP-02
KD Bath Temperature:	N/A	Envap Temperature:	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/5/24	Rp (Ext Lab)	R. Pesti/PCB Lab
11:55	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 11/05/2024

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB164678BL	ABLK678	PCB	30.03	N/A	ritesh	RUPESH	10			U1-1
PB164678BS	ALCS678	PCB	30.01	N/A	ritesh	RUPESH	10			2
P4682-01	BELL-SHOP-RAGS	PCB	5.03	N/A	ritesh	RUPESH	10	D	Oily Debris	3
P4684-01	MECHANIC-ST-SWEEPING S	PCB	30.09	N/A	ritesh	RUPESH	10	B		4
P4685-01	OK-01-11012024	PCB	30.05	N/A	ritesh	RUPESH	10	D		5
P4693-01	BP-G5-WC	PCB	30.07	N/A	ritesh	RUPESH	10	D		6
P4693-05	BP-G4-WC	PCB	30.02	N/A	ritesh	RUPESH	10	D		U5-1
P4694-01	Z-03A	PCB	30.08	N/A	ritesh	RUPESH	10	D		2
P4694-05	Z-04	PCB	30.10	N/A	ritesh	RUPESH	10	D		3
P4695-01	Z-01	PCB	30.03	N/A	ritesh	RUPESH	10	E		4
P4697-01	TP-1	PCB	30.09	N/A	ritesh	RUPESH	10	D		5
P4699-01	MIXED-DEMO	PCB	30.02	N/A	ritesh	RUPESH	10			6
P4700-01	MH-8	PCB	30.04	N/A	ritesh	RUPESH	10	D		U6-1
P4701-01	BP-F3	PCB	30.08	N/A	ritesh	RUPESH	10	D		2
P4701-01MS	BP-F3MS	PCB	30.02	N/A	ritesh	RUPESH	10	D		3
P4701-01MS D	BP-F3MSD	PCB	30.04	N/A	ritesh	RUPESH	10	D		4
P4701-05	BP-F4	PCB	30.09	N/A	ritesh	RUPESH	10	D		5
P4703-01	S0-1	PCB	1.05	N/A	ritesh	RUPESH	10	B	Oil	
P4703-02	0910	PCB	5.09	N/A	ritesh	RUPESH	10	B	Oily Debris	6
P4703-03	1008	PCB	30.05	N/A	ritesh	RUPESH	10	B	S.Partical	U7-1
P4705-01	1024	PCB	5.04	N/A	ritesh	RUPESH	10	D	Oily Debris	2
P4711-01	CF-613-COMP-16	PCB	30.04	N/A	ritesh	RUPESH	10	D		3
P4711-06	CF-613-COMP-17	PCB	30.09	N/A	ritesh	RUPESH	10	D		4

* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P4684

WorkList ID : 185129

Department : Extraction

Date : 11-05-2024 08:28:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4682-01	BELL-SHOP-RAGS	Solid	PCB	Cool 4 deg C	PSEG03	L13	11/01/2024	8082A
P4684-01	MECHANIC-ST-SWEEPINGS	Solid	PCB	Cool 4 deg C	PSEG03	L13	11/01/2024	8082A
P4685-01	OK-01-11012024	Solid	PCB	Cool 4 deg C	PSEG05	L13	11/01/2024	8082A
P4693-01	BP-G5-WC	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/02/2024	8082A
P4693-05	BP-G4-WC	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/02/2024	8082A
P4694-01	Z-03A	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/03/2024	8082A
P4694-05	Z-04	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/03/2024	8082A
P4695-01	Z-01	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/01/2024	8082A
P4697-01	TP-1	Solid	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4699-01	MIXED-DEMO	Solid	PCB	Cool 4 deg C	EART12	K21	11/04/2024	8082A
P4700-01	MH-8	Solid	PCB	Cool 4 deg C	PSEG03	L21	11/04/2024	8082A
P4701-01	BP-F3	Solid	PCB	Cool 4 deg C	PSEG03	K23	11/04/2024	8082A
P4701-05	BP-F4	Solid	PCB	Cool 4 deg C	PSEG03	K23	11/04/2024	8082A
P4703-01	S0-1	Solid	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4703-02	0910	Solid	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4703-03	1008	Solid	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4705-01	1024	Solid	PCB	Cool 4 deg C	PSEG03	L23	11/04/2024	8082A
P4711-01	CF-613-COMP-16	Solid	PCB	Cool 4 deg C	PSEG03	K51	11/04/2024	8082A
P4711-06	CF-613-COMP-17	Solid	PCB	Cool 4 deg C	PSEG03	K51	11/04/2024	8082A

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:



LAB CHRONICLE

OrderID:	P4699	OrderDate:	11/4/2024 12:02:00 PM
Client:	EarthEfficient LLC	Project:	120-122 Liberty Ave BK
Contact:	Environmental Team	Location:	K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4699-01	MIXED-DEMO	SOIL	PCB	8082A	11/04/24	11/05/24	11/05/24	11/04/24



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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.:	P4699	Order ID:	P4699
Client:	EarthEfficient LLC	Project ID:	120-122 Liberty Ave BK

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : P4699-01	MIXED-DEMO MIXED-DEMO	SOIL	Lead	4.31		0.12	0.49	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	EarthEfficient LLC	Date Collected:	11/04/24
Project:	120-122 Liberty Ave BK	Date Received:	11/04/24
Client Sample ID:	MIXED-DEMO	SDG No.:	P4699
Lab Sample ID:	P4699-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	99.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-92-1	Lead	4.31		1	0.12	0.49	mg/Kg	11/06/24 10:00	11/07/24 22:34	SW6010	SW3050

Color Before:	Light Grey	Clarity Before:	Texture:	Medium
Color After:	yellowish Green	Clarity After:	Artifacts:	N/A
Comments:	Metals Group3			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
 LOD = Limit of Detection
 D = Dilution
 Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
 B = Analyte Found in Associated Method Blank
 * = indicates the duplicate analysis is not within control limits.
 E = Indicates the reported value is estimated because of the presence of interference.
 OR = Over Range
 N =Spiked sample recovery not within control limits



- 3a -

Client:	EarthEfficient LLC		SDG No.:	P4699	
Contract:	EART12	Lab Code:	CHEM	Case No.:	P4699
				SAS No.:	P4699

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	14:38	LB133344

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: <u>EarthEfficient LLC</u>		SDG No.: <u>P4699</u>							
Contract: <u>EART12</u>	Lab Code: <u>CHEM</u>	Case No.: <u>P4699</u>	SAS No.: <u>P4699</u>						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:05	LB133344
CCB02	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	15:58	LB133344
CCB03	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	16:49	LB133344
CCB04	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:04	LB133344
CCB05	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	18:37	LB133344
CCB06	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	19:12	LB133344
CCB07	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	20:02	LB133344
CCB08	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:02	LB133344
CCB09	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	21:55	LB133344
CCB10	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	22:56	LB133344
CCB11	Lead	12.0	+/-12.0	U	12.0	P	11/07/2024	23:47	LB133344
CCB12	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	00:43	LB133344
CCB13	Lead	12.0	+/-12.0	U	12.0	P	11/08/2024	01:01	LB133344

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: EarthEfficient LLC

SDG No.: P4699

Instrument: P4

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB164708BL		SOLID		Batch Number:	PB164708		Prep Date:	11/06/2024	
	Lead	0.53	<0.53	U	0.53	P	11/07/2024	23:38	LB133344



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Lead	1020	1000	102	90 - 110	P	11/07/2024	13:49	LB133344



- 2a -

Client:	<u>EarthEfficient LLC</u>	SDG No.:	<u>P4699</u>				
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4699</u>	SAS No.:	<u>P4699</u>
Initial Calibration Source:	<u>EPA</u>						
Continuing Calibration Source:	<u>Inorganic Ventures</u>						

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Lead	11.4	12.0	95	80 - 120	P	11/07/2024	14:23	LB133344

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: EarthEfficient LLC SDG No.: P4699
Contract: EART12 Lab Code: CHEM Case No.: P4699 SAS No.: P4699
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Lead	4920	5000	98	90 - 110	P	11/07/2024	15:01	LB133344
CCV02	Lead	4800	5000	96	90 - 110	P	11/07/2024	15:53	LB133344
CCV03	Lead	4970	5000	99	90 - 110	P	11/07/2024	16:45	LB133344
CCV04	Lead	5010	5000	100	90 - 110	P	11/07/2024	17:56	LB133344
CCV05	Lead	4880	5000	98	90 - 110	P	11/07/2024	18:32	LB133344
CCV06	Lead	4930	5000	99	90 - 110	P	11/07/2024	19:08	LB133344
CCV07	Lead	4850	5000	97	90 - 110	P	11/07/2024	19:58	LB133344
CCV08	Lead	4840	5000	97	90 - 110	P	11/07/2024	20:58	LB133344
CCV09	Lead	4780	5000	96	90 - 110	P	11/07/2024	21:51	LB133344
CCV10	Lead	4710	5000	94	90 - 110	P	11/07/2024	22:52	LB133344
CCV11	Lead	4800	5000	96	90 - 110	P	11/07/2024	23:43	LB133344
CCV12	Lead	4820	5000	96	90 - 110	P	11/08/2024	00:39	LB133344
CCV13	Lead	4870	5000	97	90 - 110	P	11/08/2024	00:57	LB133344

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Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client:	<u>EarthEfficient LLC</u>	SDG No.:	<u>P4699</u>	
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	
Initial Calibration Source:	<u></u>	Case No.:	<u>P4699</u>	SAS No.: <u>P4699</u>
Continuing Calibration Source:	<u></u>			

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Lead	11.3	12.0	94	40 - 160	P	11/07/2024	14:42	LB133344

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: EarthEfficient LLC **SDG No.:** P4699
Contract: EART12 **Lab Code:** CHEM **Case No.:** P4699 **SAS No.:** P4699
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Lead	8.91			-12	12	11/07/2024	14:47	LB133344
ICSAB01	Lead	56.6	49.0	116	37	61	11/07/2024	14:51	LB133344



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>EarthEfficient LLC</u>	level: <u>low</u>	sdg no.: <u>P4699</u>
contract: <u>EART12</u>	lab code: <u>CHEM</u>	case no.: <u>P4699</u> sas no.: <u>P4699</u>
matrix: <u>Solid</u>	sample id: <u>P4699-01</u>	client id: <u>MIXED-DEMOMS</u>
Percent Solids for Sample: 99.5	Spiked ID: P4699-01MS	Percent Solids for Spike Sample: 99.5

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	42.1		4.31		42.8	88		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client:	<u>EarthEfficient LLC</u>	level:	<u>low</u>	sdg no.:	<u>P4699</u>		
contract:	<u>EART12</u>	lab code:	<u>CHEM</u>	case no.:	<u>P4699</u>	sas no.:	<u>P4699</u>
matrix:	<u>Solid</u>	sample id:	<u>P4699-01</u>	client id:	<u>MIXED-DEMOMSD</u>		
Percent Solids for Sample:	99.5	Spiked ID:	<u>P4699-01MSD</u>	Percent Solids for Spike Sample:	99.5		

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Lead	mg/Kg	75 - 125	45.2		4.31		45.9	89		P



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Metals
- 5b -

Client:

EarthEfficient LLC

SDG No.:

P4699

Contract:

EART12

Lab Code:

CHEM

Case No.:

P4699

SAS No.:

P4699

Matrix:

Level:

LOW

Client ID:

Sample ID:

Spiked ID:

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>EarthEfficient LLC</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4699</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4699-01</u>	Client ID:	<u>MIXED-DEMODUP</u>
Percent Solids for Sample:	99.5	Duplicate ID	P4699-01DUP	Percent Solids for Spike Sample:	99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	mg/Kg	20	4.31		4.87		12		P

Metals

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DUPLICATE SAMPLE SUMMARY

Client:	<u>EarthEfficient LLC</u>	Level:	<u>LOW</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>P4699</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>P4699-01MS</u>	Client ID:	<u>MIXED-DEMOMSD</u>
Percent Solids for Sample:	99.5	Duplicate ID	P4699-01MSD	Percent Solids for Spike Sample:	99.5

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Lead	mg/Kg	20	42.1		45.2		7		P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB164708BS Lead	mg/Kg	43.9	41.2		94	80 - 120	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

MIXED-DEMOL

Lab Name: Chemtech Consulting Group

Contract: EART12

Lab Code: CHEM Lb No.: lb133344 Lab Sample ID : P4699-01L SDG No.: P4699

Matrix (soil/water): Solid Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Lead	4.31	4.37	1		P

metals
- 14 -
ANALYSIS RUN LOG

Client: EarthEfficient LLC **Contract:** EART12

Lab code: CHEM **Case no.:** P4699 **Sas no.:** P4699 **Sdg no.:** P4699

Instrument id number: **Method:** **Run number:** LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1323	Pb
S1	S1	1	1328	Pb
S2	S2	1	1332	Pb
S3	S3	1	1336	Pb
S4	S4	1	1340	Pb
S5	S5	1	1345	Pb
ICV01	ICV01	1	1349	Pb
LLICV01	LLICV01	1	1423	Pb
ICB01	ICB01	1	1438	Pb
CRI01	CRI01	1	1442	Pb
ICSA01	ICSA01	1	1447	Pb
ICSAB01	ICSAB01	1	1451	Pb
CCV01	CCV01	1	1501	Pb
CCB01	CCB01	1	1505	Pb
CCV02	CCV02	1	1553	Pb
CCB02	CCB02	1	1558	Pb
CCV03	CCV03	1	1645	Pb
CCB03	CCB03	1	1649	Pb
CCV04	CCV04	1	1756	Pb
CCB04	CCB04	1	1804	Pb
CCV05	CCV05	1	1832	Pb
CCB05	CCB05	1	1837	Pb
CCV06	CCV06	1	1908	Pb
CCB06	CCB06	1	1912	Pb
CCV07	CCV07	1	1958	Pb
CCB07	CCB07	1	2002	Pb
CCV08	CCV08	1	2058	Pb
CCB08	CCB08	1	2102	Pb
CCV09	CCV09	1	2151	Pb
CCB09	CCB09	1	2155	Pb
P4699-01	MIXED-DEMO	1	2234	Pb
P4699-01DUP	MIXED-DEMODOUP	1	2239	Pb
P4699-01L	MIXED-DEMOL	5	2243	Pb
P4699-01MS	MIXED-DEMOMS	1	2247	Pb
CCV10	CCV10	1	2252	Pb
CCB10	CCB10	1	2256	Pb
P4699-01MSD	MIXED-DEMOMSD	1	2300	Pb
PB164708BL	PB164708BL	1	2338	Pb
CCV11	CCV11	1	2343	Pb
CCB11	CCB11	1	2347	Pb
PB164708BS	PB164708BS	1	2351	Pb

metals
- 14 -
ANALYSIS RUN LOG

Client: EarthEfficient LLC

Contract: EART12

Lab code: CHEM **Case no.:** P4699 **Sas no.:** P4699

Sdg no.: P4699

Instrument id number: **Method:**

Run number: LB133344

Start date: 11/07/2024 **End date:** 11/08/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
CCV12	CCV12	1	0039	Pb
CCB12	CCB12	1	0043	Pb
CCV13	CCV13	1	0057	Pb
CCB13	CCB13	1	0101	Pb

A
B
C
D
E
F
G
H
I
J



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: EarthEfficient LLC

SDG No.: P4699

Contract: EART12

Lab Code: CHEM

Case No.: P4699

SAS No.: P4699

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000



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LAB CHRONICLE

OrderID:	P4699	OrderDate:	11/4/2024 12:02:00 PM
Client:	EarthEfficient LLC	Project:	120-122 Liberty Ave BK
Contact:	Environmental Team	Location:	K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4699-01	MIXED-DEMO	SOIL	Metals Group3	6010D	11/04/24	11/06/24	11/07/24	11/04/24



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client:	<u>EarthEfficient LLC</u>	SDG No.:	<u>P4699</u>
Contract:	<u>EART12</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4699</u>
		SAS No.:	<u>P4699</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB164708							
P4699-01	MIXED-DEMO	SAM	SOLID	11/06/2024	2.44	100.0	99.50
P4699-01DUP	MIXED-DEMODUP	DUP	SOLID	11/06/2024	2.24	100.0	99.50
P4699-01MS	MIXED-DEMOMS	MS	SOLID	11/06/2024	2.35	100.0	99.50
P4699-01MSD	MIXED-DEMOMSD	MSD	SOLID	11/06/2024	2.19	100.0	99.50
PB164708BL	PB164708BL	MB	SOLID	11/06/2024	2.28	100.0	100.00
PB164708BS	PB164708BS	LCS	SOLID	11/06/2024	2.28	100.0	100.00

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	11/07/24 13:23		Kareem	OK
2	S1	S1	CAL2	11/07/24 13:28		Kareem	OK
3	S2	S2	CAL3	11/07/24 13:32		Kareem	OK
4	S3	S3	CAL4	11/07/24 13:36		Kareem	OK
5	S4	S4	CAL5	11/07/24 13:40		Kareem	OK
6	S5	S5	CAL6	11/07/24 13:45		Kareem	OK
7	ICV01	ICV01	ICV	11/07/24 13:49		Kareem	OK
8	LLICV01	LLICV01	LLICV	11/07/24 14:23		Kareem	OK
9	ICB01	ICB01	ICB	11/07/24 14:38		Kareem	OK
10	CRI01	CRI01	CRDL	11/07/24 14:42		Kareem	OK
11	ICSA01	ICSA01	ICSA	11/07/24 14:47		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	11/07/24 14:51		Kareem	OK
13	CCV01	CCV01	CCV	11/07/24 15:01		Kareem	OK
14	CCB01	CCB01	CCB	11/07/24 15:05		Kareem	OK
15	P4645-04	Z-02-WC	SAM	11/07/24 15:09		Kareem	OK
16	P4659-04	MH-2	SAM	11/07/24 15:14		Kareem	OK
17	P4660-03	WC-TA2-01-C	SAM	11/07/24 15:18		Kareem	OK
18	P4660-07	WC-WOOD-01-C	SAM	11/07/24 15:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

19	P4660-11	WC-CONCRETE-01-C	SAM	11/07/24 15:27		Kareem	OK
20	P4667-04	BP-F-6	SAM	11/07/24 15:31		Kareem	OK
21	P4667-08	BP-F-5	SAM	11/07/24 15:36		Kareem	OK
22	P4667-12	TP-10	SAM	11/07/24 15:40		Kareem	OK
23	P4667-16	BP-F-7	SAM	11/07/24 15:45		Kareem	OK
24	P4679-04	MH-1	SAM	11/07/24 15:49		Kareem	OK
25	CCV02	CCV02	CCV	11/07/24 15:53		Kareem	OK
26	CCB02	CCB02	CCB	11/07/24 15:58		Kareem	OK
27	P4680-04	BP-F26	SAM	11/07/24 16:02		Kareem	OK
28	P4680-08	BP-F25	SAM	11/07/24 16:06		Kareem	OK
29	P4684-01	MECHANIC-ST-SWEI	SAM	11/07/24 16:11		Kareem	OK
30	P4684-01DUP	MECHANIC-ST-SWEI	DUP	11/07/24 16:15		Kareem	OK
31	P4684-01L	MECHANIC-ST-SWEI	SD	11/07/24 16:20		Kareem	OK
32	P4684-01MS	MECHANIC-ST-SWEI	MS	11/07/24 16:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
33	P4684-01MSD	MECHANIC-ST-SWEI	MSD	11/07/24 16:28	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
34	P4684-01A	MECHANIC-ST-SWEI	PS	11/07/24 16:32	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
35	PB164560TB	PB164560TB	MB	11/07/24 16:36		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

36	PB164665BL	PB164665BL	MB	11/07/24 16:41		Kareem	OK
37	CCV03	CCV03	CCV	11/07/24 16:45		Kareem	OK
38	CCB03	CCB03	CCB	11/07/24 16:49		Kareem	OK
39	PB164665BS	PB164665BS	LCS	11/07/24 16:54	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
40	P4693-04	BP-G5-WC	SAM	11/07/24 16:58		Kareem	OK
41	P4693-08	BP-G4-WC	SAM	11/07/24 17:02		Kareem	OK
42	P4694-04	Z-03A	SAM	11/07/24 17:06		Kareem	OK
43	P4694-08	Z-04	SAM	11/07/24 17:11		Kareem	OK
44	P4695-04	Z-01	SAM	11/07/24 17:15		Kareem	OK
45	P4700-04	MH-8	SAM	11/07/24 17:20		Kareem	OK
46	P4701-01	BP-F3	SAM	11/07/24 17:24		Kareem	OK
47	P4701-08	BP-F4	SAM	11/07/24 17:29		Kareem	OK
48	P4711-05	CF-613-COMP-16	SAM	11/07/24 17:33		Kareem	OK
49	CCV04	CCV04	CCV	11/07/24 17:56		Kareem	OK
50	CCB04	CCB04	CCB	11/07/24 18:04		Kareem	OK
51	P4711-10	CF-613-COMP-17	SAM	11/07/24 18:08		Kareem	OK
52	P4702-01	TOTE-1	SAM	11/07/24 18:13		Kareem	OK
53	P4662-06DL2	102524-DDL2	SAM	11/07/24 18:17	NOT USE	Kareem	Not Ok
54	P4662-06DL	102524-DDL	SAM	11/07/24 18:22	NOT USE	Kareem	Not Ok

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

55	P4662-06	102524-D	SAM	11/07/24 18:28		Kareem	OK
56	CCV05	CCV05	CCV	11/07/24 18:32		Kareem	OK
57	CCB05	CCB05	CCB	11/07/24 18:37		Kareem	OK
58	P4702-01DUP	TOTE-1DUP	DUP	11/07/24 18:43		Kareem	OK
59	P4702-01L	TOTE-1L	SD	11/07/24 18:47		Kareem	OK
60	P4706-01	TR-04-110424	SAM	11/07/24 18:51		Kareem	OK
61	P4708-01	OR-02-110424	SAM	11/07/24 18:56		Kareem	OK
62	P4711-01	CF-613-COMP-16	SAM	11/07/24 19:00		Kareem	OK
63	P4711-06	CF-613-COMP-17	SAM	11/07/24 19:04		Kareem	OK
64	CCV06	CCV06	CCV	11/07/24 19:08		Kareem	OK
65	CCB06	CCB06	CCB	11/07/24 19:12		Kareem	OK
66	P4702-01MS	TOTE-1MS	MS	11/07/24 19:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
67	P4702-01MSD	TOTE-1MSD	MSD	11/07/24 19:20	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
68	P4702-01A	TOTE-1A	PS	11/07/24 19:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
69	PB164662TB	PB164662TB	MB	11/07/24 19:28		Kareem	OK
70	PB164685TB	PB164685TB	MB	11/07/24 19:32		Kareem	OK
71	PB164712BL	PB164712BL	MB	11/07/24 19:37		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

72	PB164712BS	PB164712BS	LCS	11/07/24 19:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
73	P4720-01	JC-701-COMP-01	SAM	11/07/24 19:45		Kareem	OK
74	P4720-01DUP	JC-701-COMP-01DUP	DUP	11/07/24 19:50		Kareem	OK
75	P4720-01L	JC-701-COMP-01L	SD	11/07/24 19:54		Kareem	OK
76	CCV07	CCV07	CCV	11/07/24 19:58		Kareem	OK
77	CCB07	CCB07	CCB	11/07/24 20:02		Kareem	OK
78	P4617-04	CONCRETE-PILE	SAM	11/07/24 20:08		Kareem	OK
79	P4617-04DUP	CONCRETE-PILEDUP	DUP	11/07/24 20:12		Kareem	OK
80	P4617-04L	CONCRETE-PILEL	SD	11/07/24 20:17		Kareem	OK
81	P4617-04MS	CONCRETE-PILEMS	MS	11/07/24 20:21	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
82	P4617-04MSD	CONCRETE-PILEMS	MSD	11/07/24 20:25	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
83	P4549-04	TT-069-IDWGW-2024	SAM	11/07/24 20:34		Kareem	OK
84	P4617-04A	CONCRETE-PILEA	PS	11/07/24 20:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
85	P4549-04DUP	TT-069-IDWGW-2024	DUP	11/07/24 20:45		Kareem	OK
86	P4549-04L	TT-069-IDWGW-2024	SD	11/07/24 20:49		Kareem	OK
87	P4549-04MS	TT-069-IDWGW-2024	MS	11/07/24 20:54	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

88	CCV08	CCV08	CCV	11/07/24 20:58		Kareem	OK
89	CCB08	CCB08	CCB	11/07/24 21:02		Kareem	OK
90	P4549-04MSD	TT-069-IDWGW-2024	MSD	11/07/24 21:08	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
91	P4549-04A	TT-069-IDWGW-2024	PS	11/07/24 21:12	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
92	P4720-01MS	JC-701-COMP-01MS	MS	11/07/24 21:16	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
93	P4720-01MSD	JC-701-COMP-01MS	MSD	11/07/24 21:20	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
94	P4720-01A	JC-701-COMP-01A	PS	11/07/24 21:24	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
95	P4722-03	WC-1(0-6)	SAM	11/07/24 21:29	Fe high	Kareem	Dilution
96	P4722-08	WC-2(0-6)	SAM	11/07/24 21:33		Kareem	OK
97	P4722-13	WC-3(0-6)	SAM	11/07/24 21:38		Kareem	OK
98	PB164723BL	PB164723BL	MB	11/07/24 21:42		Kareem	OK
99	PB164723BS	PB164723BS	LCS	11/07/24 21:47	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
100	CCV09	CCV09	CCV	11/07/24 21:51		Kareem	OK
101	CCB09	CCB09	CCB	11/07/24 21:55		Kareem	OK
102	P4693-01	BP-G5-WC	SAM	11/07/24 22:09		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

103	P4693-05	BP-G4-WC	SAM	11/07/24 22:13		Kareem	OK
104	P4694-01	Z-03A	SAM	11/07/24 22:17		Kareem	OK
105	P4694-05	Z-04	SAM	11/07/24 22:22		Kareem	OK
106	P4695-01	Z-01	SAM	11/07/24 22:26		Kareem	OK
107	P4697-01	TP-1	SAM	11/07/24 22:30		Kareem	OK
108	P4699-01	MIXED-DEMO	SAM	11/07/24 22:34		Kareem	OK
109	P4699-01DUP	MIXED-DEMODUP	DUP	11/07/24 22:39		Kareem	OK
110	P4699-01L	MIXED-DEMOL	SD	11/07/24 22:43		Kareem	OK
111	P4699-01MS	MIXED-DEMOMS	MS	11/07/24 22:47	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
112	CCV10	CCV10	CCV	11/07/24 22:52		Kareem	OK
113	CCB10	CCB10	CCB	11/07/24 22:56		Kareem	OK
114	P4699-01MSD	MIXED-DEMOMSD	MSD	11/07/24 23:00	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
115	P4699-01A	MIXED-DEMOA	PS	11/07/24 23:04	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
116	P4700-01	MH-8	SAM	11/07/24 23:09		Kareem	OK
117	P4701-01RE	BP-F3RE	SAM	11/07/24 23:13	NOT USE	Kareem	Not Ok
118	P4701-05	BP-F4	SAM	11/07/24 23:17		Kareem	OK
119	P4707-01	HD-02-110424	SAM	11/07/24 23:22		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

Review By	mohan	Review On	11/9/2024 12:07:42 AM
Supervise By	kareem	Supervise On	11/13/2024 7:36:39 PM
STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

120	P4718-01	WB-307-SB01	SAM	11/07/24 23:26		Kareem	OK
121	P4718-02	WB-307-SB02	SAM	11/07/24 23:30		Kareem	OK
122	P4719-01	BAYAVE-STOCKPILE	SAM	11/07/24 23:34		Kareem	OK
123	PB164708BL	PB164708BL	MB	11/07/24 23:38		Kareem	OK
124	CCV11	CCV11	CCV	11/07/24 23:43		Kareem	OK
125	CCB11	CCB11	CCB	11/07/24 23:47		Kareem	OK
126	PB164708BS	PB164708BS	LCS	11/07/24 23:51	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
127	PB164563BL	PB164563BL	MB	11/07/24 23:55		Kareem	OK
128	PB164563BS	PB164563BS	LCS	11/08/24 00:05	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
129	PB164634BL	PB164634BL	MB	11/08/24 00:08		Kareem	OK
130	PB164634BS	PB164634BS	LCS	11/08/24 00:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
131	PB164647BL	PB164647BL	MB	11/08/24 00:17		Kareem	OK
132	PB164647BS	PB164647BS	LCS	11/08/24 00:21	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF THE SAMPLE	Kareem	OK
133	P4722-03DL	WC-1(0-6)DL	SAM	11/08/24 00:26	5x for Fe	Kareem	Confirms
134	LR1	LR1	HIGH STD	11/08/24 00:30		Kareem	OK
135	LR2	LR2	HIGH STD	11/08/24 00:35		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB133344

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STD. NAME	STD REF.#		
ICAL Standard	MP83078,MP83079,MP83080,MP83081,MP83082,MP83084		
ICV Standard	MP83085		
CCV Standard	MP83088		
ICSA Standard	MP83086,MP83087		
CRI Standard	MP83084		
LCS Standard			
Chk Standard	MP83091 MP83092		

136	CCV12	CCV12	CCV	11/08/24 00:39		Kareem	OK
137	CCB12	CCB12	CCB	11/08/24 00:43		Kareem	OK
138	P4701-01DL	BP-F3DL	SAM	11/08/24 00:48	NOT USE	Kareem	Not Ok
139	CCV13	CCV13	CCV	11/08/24 00:57		Kareem	OK
140	CCB13	CCB13	CCB	11/08/24 01:01		Kareem	OK

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

Block ID: 1. HOT BLOCK #2 2. N/A

Start Digest Date: 11/06/2024 Time : 10:00 Temp : 96 °C

End Digest Date: 11/06/2024 Time : 12:10 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *[Signature]*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6000
LFS-2	1.00	M6009
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
1:1 HNO3	10.00	MP81119
CONC: HNO3	5.00	M6116
30% H2O2	3.00	M5634
CONC: HCL	10.00	M6095
PTFE Boiling Stones	N/A	M5585
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:

HOT BLOCK #2 Cell #34 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
11/6/24 12:30	<i>[Signature]</i> Prep Met dig	<i>[Signature]</i> Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
P4693-01	BP-G5-WC	N/A	2.45	100	Brown	Yellow	Medium	N/A	N/A	1
P4693-05	BP-G4-WC	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	2
P4694-01	Z-03A	N/A	2.36	100	Brown	Yellow	Medium	N/A	N/A	3
P4694-05	Z-04	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	4
P4695-01	Z-01	N/A	2.22	100	Black	Brown	Medium	N/A	N/A	5
P4697-01	TP-1	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	6
P4699-01	MIXED-DEMO	N/A	2.44	100	Light Grey	yellowish Green	Medium	N/A	N/A	7
P4699-01MS	MIXED-DEMOMS	N/A	2.35	100	Light Grey	yellowish Green	Medium	N/A	M6000,M6009	9
P4699-01MSD	MIXED-DEMOMSD	N/A	2.19	100	Light Grey	yellowish Green	Medium	N/A	M6000, M6009	10
P4699-01DUP	MIXED-DEMODUP	N/A	2.24	100	Light Grey	yellowish Green	Medium	N/A	N/A	8
P4700-01	MH-8	N/A	2.30	100	Black	Yellow	Medium	N/A	N/A	11
P4701-01	BP-F3	N/A	2.48	100	Yellow	Yellow	Medium	N/A	N/A	12
P4701-05	BP-F4	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	13
P4706-01	TR-04-110424	N/A	2.29	100	Brown	Yellow	Medium	N/A	N/A	14
P4707-01	HD-02-110424	N/A	2.25	100	Brown	Yellow	Medium	N/A	N/A	15
P4708-01	OR-02-110424	N/A	2.46	100	Brown	Yellow	Medium	N/A	N/A	16
P4709-01	HR-02-110424	N/A	2.42	100	Brown	Yellow	Medium	N/A	N/A	17
P4709-03	HR-03-110424	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	18
P4711-01	CF-613-COMP-16	N/A	2.23	100	Black	Brown	Medium	N/A	N/A	19
P4711-06	CF-613-COMP-17	N/A	2.12	100	Brown	Yellow	Medium	N/A	N/A	20
P4718-01	WB-307-SB01	N/A	2.30	100	Brown	Yellow	Medium	N/A	N/A	21
P4718-02	WB-307-SB02	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	22
P4719-01	BAYAVE-STOCKPILE	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	23
PB164708BL	PBS708	N/A	2.28	100	Colorless	Colorless	Fine	N/A	N/A	24
PB164708BS	LCS708	N/A	2.28	100	Colorless	Colorless	Fine	N/A	M6000, M6009	25