

LAB CHRONICLE

OrderID:	Q1573	OrderDate:	3/14/2025 11:04:00 AM
Client:	Tetra Tech, EMI	Project:	R36884 - PCB
Contact:	Ava Heiss	Location:	I31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1573-01	C0AC4	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-02	C0AC5	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-03	C0AC6	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/18/25	03/14/25
Q1573-04	C0AC8	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-05	C0029	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-06	C0030	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-07	C0031	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-08	C0032	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-09	C0033	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-10	C0034	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/17/25	03/14/25
Q1573-11	C0035	SOIL	PCB Group1	8082A	03/11/25	03/17/25	03/18/25	03/14/25
Q1573-12	C0AC7	WATER			03/12/25			03/14/25

LAB CHRONICLE							
Q1573-13	C0037	WATER	PCB Group1	8082A		03/17/25	03/18/25
					03/11/25		03/14/25
			PCB Group1	8082A		03/17/25	03/18/25

Hit Summary Sheet
SW-846

SDG No.: Q1573

Order ID: Q1573

Client: Tetra Tech, EMI

Project ID: R36884 - PCB

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0AC4								
Q1573-01	C0AC4	SOIL	Aroclor-1248	65.9		8.20	23.4	ug/kg
Q1573-01	C0AC4	SOIL	Aroclor-1260	23.7	P	4.40	23.4	ug/kg
Total Concentration:				89.600				
Client ID : C0AC5								
Q1573-02	C0AC5	SOIL	Aroclor-1248	85.7		9.30	26.7	ug/kg
Q1573-02	C0AC5	SOIL	Aroclor-1260	32.1		5.10	26.7	ug/kg
Total Concentration:				117.800				
Client ID : C0AC6								
Q1573-03	C0AC6	SOIL	Aroclor-1248	35.2		9.40	27.0	ug/kg
Q1573-03	C0AC6	SOIL	Aroclor-1260	21.8	J	5.10	27.0	ug/kg
Total Concentration:				57.000				
Client ID : C0AC8								
Q1573-04	C0AC8	SOIL	Aroclor-1248	153		10.0	28.7	ug/kg
Q1573-04	C0AC8	SOIL	Aroclor-1260	35.9		5.40	28.7	ug/kg
Total Concentration:				188.900				
Client ID : C0029								
Q1573-05	C0029	SOIL	Aroclor-1260	59.9		5.80	30.4	ug/kg
Total Concentration:				59.900				
Client ID : C0030								
Q1573-06	C0030	SOIL	Aroclor-1260	24.3	J	4.60	24.4	ug/kg
Total Concentration:				24.300				
Client ID : C0031								
Q1573-07	C0031	SOIL	Aroclor-1248	338		8.80	25.2	ug/kg
Q1573-07	C0031	SOIL	Aroclor-1260	97.8		4.80	25.2	ug/kg
Total Concentration:				435.800				

Hit Summary Sheet
SW-846

SDG No.: Q1573

Order ID: Q1573

Client: Tetra Tech, EMI

Project ID: R36884 - PCB

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0032								
Q1573-08	C0032	SOIL	Aroclor-1248	106		10.7	30.8	ug/kg
Q1573-08	C0032	SOIL	Aroclor-1260	30.7	J	5.90	30.8	ug/kg
Total Concentration:				136.700				
Client ID : C0033								
Q1573-09	C0033	SOIL	Aroclor-1248	204		9.20	26.3	ug/kg
Q1573-09	C0033	SOIL	Aroclor-1260	176		5.00	26.3	ug/kg
Total Concentration:				380.000				
Client ID : C0034								
Q1573-10	C0034	SOIL	Aroclor-1248	45.5		7.20	20.7	ug/kg
Q1573-10	C0034	SOIL	Aroclor-1260	9.60	J	3.90	20.7	ug/kg
Total Concentration:				55.100				
Client ID : C0035								
Q1573-11	C0035	SOIL	Aroclor-1248	25.5		7.60	21.8	ug/kg
Q1573-11	C0035	SOIL	Aroclor-1260	13.5	J	4.10	21.8	ug/kg
Total Concentration:				39.000				



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC4		SDG No.:	Q1573	
Lab Sample ID:	Q1573-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	72.5	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070601.D	1	03/17/25 08:35	03/17/25 17:15	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	23.4	U	5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.50	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	65.9		8.20	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	23.7	P	4.40	23.4	ug/kg
Total PCBs	Total PCBs	89.6		12.6	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.0		32 - 175	50%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC5		SDG No.:	Q1573	
Lab Sample ID:	Q1573-02		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	63.5	Decanted:
Sample Wt/Vol:	30.1	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070609.D	1	03/17/25 08:35	03/17/25 19:58	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	26.7	U	6.20	26.7	ug/kg
11104-28-2	Aroclor-1221	26.7	U	6.30	26.7	ug/kg
11141-16-5	Aroclor-1232	26.7	U	5.80	26.7	ug/kg
53469-21-9	Aroclor-1242	26.7	U	6.30	26.7	ug/kg
12672-29-6	Aroclor-1248	85.7		9.30	26.7	ug/kg
11097-69-1	Aroclor-1254	26.7	U	5.00	26.7	ug/kg
37324-23-5	Aroclor-1262	26.7	U	7.90	26.7	ug/kg
11100-14-4	Aroclor-1268	26.7	U	5.70	26.7	ug/kg
11096-82-5	Aroclor-1260	32.1		5.10	26.7	ug/kg
Total PCBs	Total PCBs	118		14.4	26.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.6		32 - 144	78%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.89		32 - 175	34%	SPK: 20

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC6		SDG No.:	Q1573	
Lab Sample ID:	Q1573-03		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	62.8	Decanted:
Sample Wt/Vol:	30.08	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070644.D	1	03/17/25 08:35	03/18/25 09:42	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	27.0	U	6.30	27.0	ug/kg
11104-28-2	Aroclor-1221	27.0	U	6.40	27.0	ug/kg
11141-16-5	Aroclor-1232	27.0	U	5.90	27.0	ug/kg
53469-21-9	Aroclor-1242	27.0	U	6.40	27.0	ug/kg
12672-29-6	Aroclor-1248	35.2		9.40	27.0	ug/kg
11097-69-1	Aroclor-1254	27.0	U	5.10	27.0	ug/kg
37324-23-5	Aroclor-1262	27.0	U	8.00	27.0	ug/kg
11100-14-4	Aroclor-1268	27.0	U	5.70	27.0	ug/kg
11096-82-5	Aroclor-1260	21.8	J	5.10	27.0	ug/kg
Total PCBs	Total PCBs	57.0		14.5	27.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	13.1		32 - 144	66%	SPK: 20
2051-24-3	Decachlorobiphenyl	17.4		32 - 175	87%	SPK: 20

Comments:

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC8		SDG No.:	Q1573	
Lab Sample ID:	Q1573-04		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	59.2	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070611.D	1	03/17/25 08:35	03/17/25 20:30	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	28.7	U	6.70	28.7	ug/kg
11104-28-2	Aroclor-1221	28.7	U	6.80	28.7	ug/kg
11141-16-5	Aroclor-1232	28.7	U	6.30	28.7	ug/kg
53469-21-9	Aroclor-1242	28.7	U	6.80	28.7	ug/kg
12672-29-6	Aroclor-1248	153		10.0	28.7	ug/kg
11097-69-1	Aroclor-1254	28.7	U	5.40	28.7	ug/kg
37324-23-5	Aroclor-1262	28.7	U	8.50	28.7	ug/kg
11100-14-4	Aroclor-1268	28.7	U	6.10	28.7	ug/kg
11096-82-5	Aroclor-1260	35.9		5.40	28.7	ug/kg
Total PCBs	Total PCBs	188		15.4	28.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	17.7		32 - 144	89%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.11		32 - 175	36%	SPK: 20

Comments:

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0029		SDG No.:	Q1573	
Lab Sample ID:	Q1573-05		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	55.8	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070612.D	1	03/17/25 08:35	03/17/25 20:47	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	30.4	U	7.10	30.4	ug/kg
11104-28-2	Aroclor-1221	30.4	U	7.20	30.4	ug/kg
11141-16-5	Aroclor-1232	30.4	U	6.70	30.4	ug/kg
53469-21-9	Aroclor-1242	30.4	U	7.20	30.4	ug/kg
12672-29-6	Aroclor-1248	30.4	U	10.6	30.4	ug/kg
11097-69-1	Aroclor-1254	30.4	U	5.70	30.4	ug/kg
37324-23-5	Aroclor-1262	30.4	U	9.00	30.4	ug/kg
11100-14-4	Aroclor-1268	30.4	U	6.40	30.4	ug/kg
11096-82-5	Aroclor-1260	59.9		5.80	30.4	ug/kg
Total PCBs	Total PCBs	59.9		5.80	30.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.3		32 - 144	101%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	60%	SPK: 20

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0030		SDG No.:	Q1573	
Lab Sample ID:	Q1573-06		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	69.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070613.D	1	03/17/25 08:35	03/17/25 21:03	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	24.4	U	5.70	24.4	ug/kg
11104-28-2	Aroclor-1221	24.4	U	5.80	24.4	ug/kg
11141-16-5	Aroclor-1232	24.4	U	5.30	24.4	ug/kg
53469-21-9	Aroclor-1242	24.4	U	5.80	24.4	ug/kg
12672-29-6	Aroclor-1248	24.4	U	8.50	24.4	ug/kg
11097-69-1	Aroclor-1254	24.4	U	4.60	24.4	ug/kg
37324-23-5	Aroclor-1262	24.4	U	7.20	24.4	ug/kg
11100-14-4	Aroclor-1268	24.4	U	5.20	24.4	ug/kg
11096-82-5	Aroclor-1260	24.3	J	4.60	24.4	ug/kg
Total PCBs	Total PCBs	24.3	J	4.60	24.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.33		32 - 175	47%	SPK: 20

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Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0031		SDG No.:	Q1573	
Lab Sample ID:	Q1573-07		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	67.5	Decanted:
Sample Wt/Vol:	30.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070614.D	1	03/17/25 08:35	03/17/25 21:19	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	25.2	U	5.80	25.2	ug/kg
11104-28-2	Aroclor-1221	25.2	U	6.00	25.2	ug/kg
11141-16-5	Aroclor-1232	25.2	U	5.50	25.2	ug/kg
53469-21-9	Aroclor-1242	25.2	U	5.90	25.2	ug/kg
12672-29-6	Aroclor-1248	338		8.80	25.2	ug/kg
11097-69-1	Aroclor-1254	25.2	U	4.70	25.2	ug/kg
37324-23-5	Aroclor-1262	25.2	U	7.40	25.2	ug/kg
11100-14-4	Aroclor-1268	25.2	U	5.30	25.2	ug/kg
11096-82-5	Aroclor-1260	97.8		4.80	25.2	ug/kg
Total PCBs	Total PCBs	436		13.6	25.2	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.1		32 - 144	111%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9		32 - 175	54%	SPK: 20

Comments:

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Client:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0032		SDG No.:	Q1573	
Lab Sample ID:	Q1573-08		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	55.1	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070615.D	1	03/17/25 08:35	03/17/25 21:35	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	30.8	U	7.20	30.8	ug/kg
11104-28-2	Aroclor-1221	30.8	U	7.30	30.8	ug/kg
11141-16-5	Aroclor-1232	30.8	U	6.70	30.8	ug/kg
53469-21-9	Aroclor-1242	30.8	U	7.30	30.8	ug/kg
12672-29-6	Aroclor-1248	106		10.7	30.8	ug/kg
11097-69-1	Aroclor-1254	30.8	U	5.80	30.8	ug/kg
37324-23-5	Aroclor-1262	30.8	U	9.10	30.8	ug/kg
11100-14-4	Aroclor-1268	30.8	U	6.50	30.8	ug/kg
11096-82-5	Aroclor-1260	30.7	J	5.90	30.8	ug/kg
Total PCBs	Total PCBs	137		16.6	30.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.1		32 - 144	106%	SPK: 20
2051-24-3	Decachlorobiphenyl	13.9		32 - 175	69%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0033		SDG No.:	Q1573	
Lab Sample ID:	Q1573-09		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	64.6	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070616.D	1	03/17/25 08:35	03/17/25 21:52	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	26.3	U	6.10	26.3	ug/kg
11104-28-2	Aroclor-1221	26.3	U	6.20	26.3	ug/kg
11141-16-5	Aroclor-1232	26.3	U	5.80	26.3	ug/kg
53469-21-9	Aroclor-1242	26.3	U	6.20	26.3	ug/kg
12672-29-6	Aroclor-1248	204		9.20	26.3	ug/kg
11097-69-1	Aroclor-1254	26.3	U	5.00	26.3	ug/kg
37324-23-5	Aroclor-1262	26.3	U	7.80	26.3	ug/kg
11100-14-4	Aroclor-1268	26.3	U	5.60	26.3	ug/kg
11096-82-5	Aroclor-1260	176		5.00	26.3	ug/kg
Total PCBs	Total PCBs	380		14.2	26.3	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.2		32 - 144	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.20		32 - 175	46%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0034		SDG No.:	Q1573	
Lab Sample ID:	Q1573-10		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	82.1	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070617.D	1	03/17/25 08:35	03/17/25 22:08	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	20.7	U	4.80	20.7	ug/kg
11104-28-2	Aroclor-1221	20.7	U	4.90	20.7	ug/kg
11141-16-5	Aroclor-1232	20.7	U	4.50	20.7	ug/kg
53469-21-9	Aroclor-1242	20.7	U	4.90	20.7	ug/kg
12672-29-6	Aroclor-1248	45.5		7.20	20.7	ug/kg
11097-69-1	Aroclor-1254	20.7	U	3.90	20.7	ug/kg
37324-23-5	Aroclor-1262	20.7	U	6.10	20.7	ug/kg
11100-14-4	Aroclor-1268	20.7	U	4.40	20.7	ug/kg
11096-82-5	Aroclor-1260	9.60	J	3.90	20.7	ug/kg
Total PCBs	Total PCBs	55.1		11.1	20.7	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.1		32 - 144	90%	SPK: 20
2051-24-3	Decachlorobiphenyl	8.50		32 - 175	43%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0035		SDG No.:	Q1573	
Lab Sample ID:	Q1573-11		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	78	Decanted:
Sample Wt/Vol:	30.05	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070645.D	1	03/17/25 08:35	03/18/25 10:14	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	21.8	U	5.10	21.8	ug/kg
11104-28-2	Aroclor-1221	21.8	U	5.20	21.8	ug/kg
11141-16-5	Aroclor-1232	21.8	U	4.80	21.8	ug/kg
53469-21-9	Aroclor-1242	21.8	U	5.10	21.8	ug/kg
12672-29-6	Aroclor-1248	25.5		7.60	21.8	ug/kg
11097-69-1	Aroclor-1254	21.8	U	4.10	21.8	ug/kg
37324-23-5	Aroclor-1262	21.8	U	6.40	21.8	ug/kg
11100-14-4	Aroclor-1268	21.8	U	4.60	21.8	ug/kg
11096-82-5	Aroclor-1260	13.5	J	4.10	21.8	ug/kg
Total PCBs	Total PCBs	39.0		11.7	21.8	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.2		32 - 144	76%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.49		32 - 175	37%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/12/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC7		SDG No.:	Q1573	
Lab Sample ID:	Q1573-12		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070629.D	1	03/17/25 09:35	03/18/25 01:55	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.51	U	0.099	0.51	ug/L
11104-28-2	Aroclor-1221	0.51	U	0.13	0.51	ug/L
11141-16-5	Aroclor-1232	0.51	U	0.098	0.51	ug/L
53469-21-9	Aroclor-1242	0.51	U	0.12	0.51	ug/L
12672-29-6	Aroclor-1248	0.51	U	0.072	0.51	ug/L
11097-69-1	Aroclor-1254	0.51	U	0.096	0.51	ug/L
37324-23-5	Aroclor-1262	0.51	U	0.14	0.51	ug/L
11100-14-4	Aroclor-1268	0.51	U	0.11	0.51	ug/L
11096-82-5	Aroclor-1260	0.51	U	0.083	0.51	ug/L
Total PCBs	Total PCBs	0.51	U	0.14	0.51	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.1		16 - 158	96%	SPK: 20
2051-24-3	Decachlorobiphenyl	6.10		10 - 173	31%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0037		SDG No.:	Q1573	
Lab Sample ID:	Q1573-13		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070630.D	1	03/17/25 09:35	03/18/25 02:11	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.52	U	0.10	0.52	ug/L
11104-28-2	Aroclor-1221	0.52	U	0.13	0.52	ug/L
11141-16-5	Aroclor-1232	0.52	U	0.099	0.52	ug/L
53469-21-9	Aroclor-1242	0.52	U	0.12	0.52	ug/L
12672-29-6	Aroclor-1248	0.52	U	0.073	0.52	ug/L
11097-69-1	Aroclor-1254	0.52	U	0.097	0.52	ug/L
37324-23-5	Aroclor-1262	0.52	U	0.14	0.52	ug/L
11100-14-4	Aroclor-1268	0.52	U	0.11	0.52	ug/L
11096-82-5	Aroclor-1260	0.52	U	0.084	0.52	ug/L
Total PCBs	Total PCBs	0.52	U	0.14	0.52	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	15.3		16 - 158	77%	SPK: 20
2051-24-3	Decachlorobiphenyl	4.10		10 - 173	21%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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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.: **Q1573**

Client: **Tetra Tech, EMI**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP070418.D	PIBLK-PP070418.D	Tetrachloro-m-xylene	1	20	22.0	110		60	140
		Decachlorobiphenyl	1	20	23.1	116		60	140
		Tetrachloro-m-xylene	2	20	23.0	115		60	140
		Decachlorobiphenyl	2	20	23.5	117		60	140
I.BLK-PP070593.D	PIBLK-PP070593.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	21.4	107		60	140
		Decachlorobiphenyl	2	20	19.8	99		60	140
PB167154BL	PB167154BL	Tetrachloro-m-xylene	1	20	20.5	103		32	144
		Decachlorobiphenyl	1	20	22.4	112		32	175
		Tetrachloro-m-xylene	2	20	23.5	117		32	144
		Decachlorobiphenyl	2	20	20.3	101		32	175
PB167154BS	PB167154BS	Tetrachloro-m-xylene	1	20	21.8	109		32	144
		Decachlorobiphenyl	1	20	22.8	114		32	175
		Tetrachloro-m-xylene	2	20	23.0	115		32	144
		Decachlorobiphenyl	2	20	21.3	107		32	175
Q1573-01	C0AC4	Tetrachloro-m-xylene	1	20	17.4	87		32	144
		Decachlorobiphenyl	1	20	10.0	50		32	175
		Tetrachloro-m-xylene	2	20	18.8	94		32	144
		Decachlorobiphenyl	2	20	9.81	49		32	175
Q1573-01MS	C0AC4MS	Tetrachloro-m-xylene	1	20	18.8	94		32	144
		Decachlorobiphenyl	1	20	12.1	60		32	175
		Tetrachloro-m-xylene	2	20	18.2	91		32	144
		Decachlorobiphenyl	2	20	11.9	60		32	175
Q1573-01MSD	C0AC4MSD	Tetrachloro-m-xylene	1	20	18.7	93		32	144
		Decachlorobiphenyl	1	20	12.4	62		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	12.3	62		32	175
I.BLK-PP070608.D	PIBLK-PP070608.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140
		Decachlorobiphenyl	1	20	21.2	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.3	101		60	140
Q1573-02	C0AC5	Tetrachloro-m-xylene	1	20	14.8	74		32	144
		Decachlorobiphenyl	1	20	6.12	31	*	32	175
		Tetrachloro-m-xylene	2	20	15.6	78		32	144
		Decachlorobiphenyl	2	20	6.89	34		32	175
Q1573-04	C0AC8	Tetrachloro-m-xylene	1	20	15.7	79		32	144
		Decachlorobiphenyl	1	20	6.80	34		32	175
		Tetrachloro-m-xylene	2	20	17.7	89		32	144
		Decachlorobiphenyl	2	20	7.11	36		32	175
Q1573-05	C0029	Tetrachloro-m-xylene	1	20	17.5	88		32	144

Surrogate Summary

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1573-05	C0029	Decachlorobiphenyl	1	20	11.9	59		32	175
		Tetrachloro-m-xylene	2	20	20.3	101		32	144
Q1573-06	C0030	Decachlorobiphenyl	2	20	12.1	60		32	175
		Tetrachloro-m-xylene	1	20	17.6	88		32	144
		Decachlorobiphenyl	1	20	9.25	46		32	175
		Tetrachloro-m-xylene	2	20	20.1	100		32	144
		Decachlorobiphenyl	2	20	9.33	47		32	175
		Tetrachloro-m-xylene	1	20	19.2	96		32	144
Q1573-07	C0031	Decachlorobiphenyl	1	20	10.4	52		32	175
		Tetrachloro-m-xylene	2	20	22.1	111		32	144
		Decachlorobiphenyl	2	20	10.9	54		32	175
		Tetrachloro-m-xylene	1	20	19.4	97		32	144
Q1573-08	C0032	Decachlorobiphenyl	1	20	13.9	69		32	175
		Tetrachloro-m-xylene	2	20	21.1	106		32	144
		Decachlorobiphenyl	2	20	13.5	67		32	175
		Tetrachloro-m-xylene	1	20	17.4	87		32	144
Q1573-09	C0033	Decachlorobiphenyl	1	20	8.87	44		32	175
		Tetrachloro-m-xylene	2	20	19.2	96		32	144
		Decachlorobiphenyl	2	20	9.20	46		32	175
		Tetrachloro-m-xylene	1	20	16.6	83		32	144
Q1573-10	C0034	Decachlorobiphenyl	1	20	8.19	41		32	175
		Tetrachloro-m-xylene	2	20	18.1	90		32	144
		Decachlorobiphenyl	2	20	8.50	43		32	175
		Tetrachloro-m-xylene	1	20	19.9	99		60	140
I.BLK-PP070623.D	PIBLK-PP070623.D	Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	21.8	109		60	140
		Decachlorobiphenyl	2	20	21.8	109		60	140
		Tetrachloro-m-xylene	1	20	19.9	99		16	158
PB167172BL	PB167172BL	Decachlorobiphenyl	1	20	19.7	99		10	173
		Tetrachloro-m-xylene	2	20	21.7	108		16	158
		Decachlorobiphenyl	2	20	18.2	91		10	173
		Tetrachloro-m-xylene	1	20	21.1	106		16	158
PB167172BS	PB167172BS	Decachlorobiphenyl	1	20	21.1	105		10	173
		Tetrachloro-m-xylene	2	20	22.0	110		16	158
		Decachlorobiphenyl	2	20	19.3	97		10	173
		Tetrachloro-m-xylene	1	20	21.6	108		16	158
PB167172BSD	PB167172BSD	Decachlorobiphenyl	1	20	22.0	110		10	173
		Tetrachloro-m-xylene	2	20	22.6	113		16	158
		Decachlorobiphenyl	2	20	20.1	100		10	173
		Tetrachloro-m-xylene	1	20	18.4	92		16	158
Q1573-12	C0AC7	Decachlorobiphenyl	1	20	5.85	29		10	173

Surrogate Summary

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
Q1573-12	C0AC7	Tetrachloro-m-xylene	2	20	19.1	96		16	158
		Decachlorobiphenyl	2	20	6.10	31		10	173
Q1573-13	C0O37	Tetrachloro-m-xylene	1	20	14.2	71		16	158
		Decachlorobiphenyl	1	20	4.10	21		10	173
		Tetrachloro-m-xylene	2	20	15.3	77		16	158
		Decachlorobiphenyl	2	20	3.94	20		10	173
I.BLK-PP070636.D	PIBLK-PP070636.D	Tetrachloro-m-xylene	1	20	19.8	99		60	140
		Decachlorobiphenyl	1	20	20.8	104		60	140
		Tetrachloro-m-xylene	2	20	20.3	101		60	140
		Decachlorobiphenyl	2	20	19.3	96		60	140
I.BLK-PP070642.D	PIBLK-PP070642.D	Tetrachloro-m-xylene	1	20	19.7	99		60	140
		Decachlorobiphenyl	1	20	21.1	106		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	20.2	101		60	140
Q1573-03	C0AC6	Tetrachloro-m-xylene	1	20	11.5	58		32	144
		Decachlorobiphenyl	1	20	17.4	87		32	175
		Tetrachloro-m-xylene	2	20	13.1	66		32	144
		Decachlorobiphenyl	2	20	17.2	86		32	175
Q1573-11	C0O35	Tetrachloro-m-xylene	1	20	13.0	65		32	144
		Decachlorobiphenyl	1	20	7.20	36		32	175
		Tetrachloro-m-xylene	2	20	15.2	76		32	144
		Decachlorobiphenyl	2	20	7.49	37		32	175
I.BLK-PP070651.D	PIBLK-PP070651.D	Tetrachloro-m-xylene	1	20	19.6	98		60	140
		Decachlorobiphenyl	1	20	21.4	107		60	140
		Tetrachloro-m-xylene	2	20	20.6	103		60	140
		Decachlorobiphenyl	2	20	20.6	103		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

DataFile : PP070602.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1573-01MS	C0AC4MS											
	AR1016	229.4	0	245	ug/kg	107				55	146	
	AR1260	229.4	23.7	201	ug/kg	77				31	146	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A

DataFile : PP070603.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID: Q1573-01MSD	C0AC4MSD											
	AR1016	229.7	0	239	ug/kg	104		3		55	146	20
	AR1260	229.7	23.7	198	ug/kg	76		1		31	146	20



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A Datafile : PP070595.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167154BS	AR1016	166.6	167	ug/kg	100				71	120		
	AR1260	166.6	159	ug/kg	95				65	130		



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A Datafile : PP070627.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167172BS	AR1016	5	4.50	ug/L	90				61	112		
	AR1260	5	4.20	ug/L	84				66	113		



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1573

Client: Tetra Tech, EMI

Analytical Method: 8082A Datafile : PP070628.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167172BSD	AR1016	5	4.50	ug/L	90	0			61	112	20
	AR1260	5	4.40	ug/L	88	5			66	113	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167154BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: Q1573

SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167154BL

Lab File ID: PP070594.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/17/2025

Date Analyzed (1): 03/17/2025

Date Analyzed (2): 03/17/2025

Time Analyzed (1): 15:22

Time Analyzed (2): 15:22

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
PB167154BS	PB167154BS	PP070595.D	03/17/2025	03/17/2025
C0AC4	Q1573-01	PP070601.D	03/17/2025	03/17/2025
C0AC4MS	Q1573-01MS	PP070602.D	03/17/2025	03/17/2025
C0AC4MSD	Q1573-01MSD	PP070603.D	03/17/2025	03/17/2025
C0AC5	Q1573-02	PP070609.D	03/17/2025	03/17/2025
C0AC8	Q1573-04	PP070611.D	03/17/2025	03/17/2025
C0O29	Q1573-05	PP070612.D	03/17/2025	03/17/2025
C0O30	Q1573-06	PP070613.D	03/17/2025	03/17/2025
C0O31	Q1573-07	PP070614.D	03/17/2025	03/17/2025
C0O32	Q1573-08	PP070615.D	03/17/2025	03/17/2025
C0O33	Q1573-09	PP070616.D	03/17/2025	03/17/2025
C0O34	Q1573-10	PP070617.D	03/17/2025	03/17/2025
C0AC6	Q1573-03	PP070644.D	03/18/2025	03/18/2025
C0O35	Q1573-11	PP070645.D	03/18/2025	03/18/2025

COMMENTS: _____

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167172BL

Lab Name: CHEMTECH

Contract: TETR16

Lab Code: CHEM Case No.: Q1573

SAS No.: Q1573 SDG NO.: Q1573

Lab Sample ID: PB167172BL

Lab File ID: PP070626.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 03/17/2025

Date Analyzed (1): 03/18/2025

Date Analyzed (2): 03/18/2025

Time Analyzed (1): 01:06

Time Analyzed (2): 01:06

Instrument ID (1): ECD_P

Instrument ID (2): ECD_P

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
PB167172BS	PB167172BS	PP070627.D	03/18/2025	03/18/2025
PB167172BSD	PB167172BSD	PP070628.D	03/18/2025	03/18/2025
C0AC7	Q1573-12	PP070629.D	03/18/2025	03/18/2025
C0O37	Q1573-13	PP070630.D	03/18/2025	03/18/2025

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Instrument ID: ECD_P Calibration Date(s): 03/11/2025 03/11/2025

Calibration Times: 15:13 23:38

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

LAB FILE ID: RT 1000 = PP070419.D RT 750 = PP070420.D

RT 500 = PP070421.D RT 250 = PP070422.D RT 050 = PP070423.D

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1016-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1016-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1016-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1016-5	(5)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1260-1	(1)	7.27	7.27	7.27	7.27	7.27	7.27	7.17	7.37
Aroclor-1260-2	(2)	7.53	7.52	7.53	7.53	7.53	7.53	7.43	7.63
Aroclor-1260-3	(3)	7.89	7.88	7.88	7.89	7.89	7.88	7.78	7.98
Aroclor-1260-4	(4)	8.11	8.11	8.11	8.11	8.11	8.11	8.01	8.21
Aroclor-1260-5	(5)	8.43	8.43	8.43	8.43	8.43	8.43	8.33	8.53
Decachlorobiphenyl		10.25	10.25	10.25	10.26	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.53	4.53	4.53	4.43	4.63
Aroclor-1232-1	(1)	4.89	4.89	4.89	4.89	4.89	4.89	4.79	4.99
Aroclor-1232-2	(2)	5.41	5.41	5.41	5.41	5.41	5.41	5.31	5.51
Aroclor-1232-3	(3)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1232-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1232-5	(5)	5.95	5.95	5.95	5.95	5.94	5.95	5.85	6.05
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.26	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.53	4.53	4.53	4.43	4.63
Aroclor-1242-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1242-2	(2)	5.70	5.70	5.70	5.70	5.70	5.70	5.60	5.80
Aroclor-1242-3	(3)	5.76	5.76	5.76	5.76	5.76	5.76	5.66	5.86
Aroclor-1242-4	(4)	5.86	5.86	5.86	5.86	5.86	5.86	5.76	5.96
Aroclor-1242-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.53	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1248-1	(1)	5.68	5.68	5.68	5.68	5.68	5.68	5.58	5.78
Aroclor-1248-2	(2)	5.95	5.95	5.95	5.95	5.95	5.95	5.85	6.05
Aroclor-1248-3	(3)	6.15	6.15	6.15	6.15	6.15	6.15	6.05	6.25
Aroclor-1248-4	(4)	6.55	6.55	6.55	6.55	6.55	6.55	6.45	6.65
Aroclor-1248-5	(5)	6.59	6.59	6.59	6.59	6.59	6.59	6.49	6.69
Decachlorobiphenyl		10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene		4.53	4.52	4.52	4.52	4.52	4.52	4.42	4.62
Aroclor-1254-1	(1)	6.53	6.53	6.53	6.52	6.53	6.53	6.43	6.63
Aroclor-1254-2	(2)	6.74	6.74	6.75	6.74	6.74	6.74	6.64	6.84
Aroclor-1254-3	(3)	7.11	7.11	7.11	7.10	7.11	7.11	7.01	7.21
Aroclor-1254-4	(4)	7.39	7.39	7.39	7.39	7.39	7.39	7.29	7.49
Aroclor-1254-5	(5)	7.81	7.81	7.81	7.80	7.81	7.81	7.71	7.91

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene	4.53	4.52	4.53	4.52	4.53	4.53	4.43	4.63
Aroclor-1268-1 (1)	8.75	8.74	8.74	8.74	8.75	8.74	8.64	8.84
Aroclor-1268-2 (2)	8.84	8.84	8.83	8.83	8.84	8.84	8.74	8.94
Aroclor-1268-3 (3)	9.07	9.07	9.07	9.07	9.07	9.07	8.97	9.17
Aroclor-1268-4 (4)	9.49	9.49	9.49	9.49	9.49	9.49	9.39	9.59
Aroclor-1268-5 (5)	9.91	9.91	9.90	9.91	9.91	9.91	9.81	10.01
Decachlorobiphenyl	10.25	10.25	10.25	10.25	10.25	10.25	10.15	10.35
Tetrachloro-m-xylene	4.53	4.53	4.52	4.52	4.53	4.53	4.43	4.63

A
B
C
D
E
F
G

A
B
C
D
E
F
G

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93
Aroclor-1268-1 (1)	7.74	7.74	7.74	7.74	7.74	7.74	7.64	7.84
Aroclor-1268-2 (2)	7.81	7.81	7.81	7.81	7.81	7.81	7.71	7.91
Aroclor-1268-3 (3)	8.02	8.02	8.02	8.01	8.01	8.02	7.92	8.12
Aroclor-1268-4 (4)	8.31	8.31	8.31	8.31	8.31	8.31	8.21	8.41
Aroclor-1268-5 (5)	8.61	8.61	8.61	8.61	8.61	8.61	8.51	8.71
Decachlorobiphenyl	8.88	8.88	8.88	8.88	8.88	8.88	8.78	8.98
Tetrachloro-m-xylene	3.83	3.83	3.83	3.83	3.83	3.83	3.73	3.93

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 15:13 23:38

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

LAB FILE ID:		CF 1000 = <u>PP070419.D</u>		CF 750 = <u>PP070420.D</u>			
CF 500 = <u>PP070421.D</u>		CF 250 = <u>PP070422.D</u>		CF 050 = <u>PP070423.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	46284919	48624555	51195480	56320148	56830900	51851200
Aroclor-1016-2	(2)	68727144	72260815	75092688	79473188	62170340	71544835
Aroclor-1016-3	(3)	41881157	43836071	46346194	49629608	45996640	45537934
Aroclor-1016-4	(4)	34693414	37117197	39579046	42287028	41512180	39037773
Aroclor-1016-5	(5)	32535779	33720589	35503344	36571056	34779300	34622014
Aroclor-1260-1	(1)	55067637	58265401	60660348	63250936	56446720	58738208
Aroclor-1260-2	(2)	75483004	79277409	82983970	87347188	85123440	82043002
Aroclor-1260-3	(3)	62678610	64989695	68010270	70682128	62427680	65757677
Aroclor-1260-4	(4)	60990738	64683661	66152948	69503548	65382940	65342767
Aroclor-1260-5	(5)	130557968	135103443	140419232	146528904	130778620	136677633
Decachlorobiphenyl		1005446690	1044219213	1084386360	1134008440	1043654800	1062343101
Tetrachloro-m-xylene		1462968010	1529300040	1575427920	1661278640	1547936200	1555382162
Aroclor-1232-1	(1)	31812517	33409335	34815870	38072588	39676960	35557454
Aroclor-1232-2	(2)	16331114	17367928	17709532	17293972	15638140	16868137
Aroclor-1232-3	(3)	33685372	35206453	37651060	39178940	37126640	36569693
Aroclor-1232-4	(4)	17112653	18207945	18881288	20579940	20189680	18994301
Aroclor-1232-5	(5)	12358074	13019340	13596998	11696560	14140280	12962250
Decachlorobiphenyl		1007346640	1061633867	1110112680	1150608440	1055455400	1077031405
Tetrachloro-m-xylene		1503870440	1587673493	1628432540	1684437880	1564380200	1593758911
Aroclor-1242-1	(1)	39253435	41704367	43482132	47856472	49946320	44448545
Aroclor-1242-2	(2)	58252556	60113944	62228844	66050560	60258320	61380845
Aroclor-1242-3	(3)	35362447	36380501	38652894	41645404	33464760	37101201
Aroclor-1242-4	(4)	29479509	30833784	32552722	35082164	32717220	32133080
Aroclor-1242-5	(5)	29991669	31404576	32011208	32699504	29130640	31047519
Decachlorobiphenyl		1017143570	1063398627	1098678020	1146617040	1019213600	1069010171
Tetrachloro-m-xylene		1483500490	1538532373	1587702840	1655080400	1578490200	1568661261
Aroclor-1248-1	(1)	30241509	31836707	34371560	37879708	36450300	34155957
Aroclor-1248-2	(2)	39839483	41732589	44072986	47187728	39403540	42447265
Aroclor-1248-3	(3)	43671743	45535401	47272778	48829472	45433820	46148643
Aroclor-1248-4	(4)	52673121	54800967	57547552	61348180	63586480	57991260
Aroclor-1248-5	(5)	49495855	52225937	54279376	57435820	54999800	53687358
Decachlorobiphenyl		1018745530	1065079280	1110066380	1164168240	1044426200	1080497126
Tetrachloro-m-xylene		1464367110	1509550200	1593080400	1654989520	1637278400	1571853126
Aroclor-1254-1	(1)	52191144	54776691	58408862	62528540	58393680	57259783

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	76163232	79292283	83746208	89006644	77052340	81052141	7
Aroclor-1254-3	(3)	78867294	81324341	86343146	90140028	84184220	84171806	5
Aroclor-1254-4	(4)	65665428	68036704	71633390	75767876	69582520	70137184	5
Aroclor-1254-5	(5)	65604720	67856063	71049052	74607116	70169360	69857262	5
Decachlorobiphenyl		1051774640	1084735960	1131757040	1190025520	1071423800	1105943392	5
Tetrachloro-m-xylene		1491401080	1547951320	1596952960	1679816880	1638007800	1590826008	5
Aroclor-1268-1	(1)	188529701	191493623	201496426	211079324	198399040	198199623	4
Aroclor-1268-2	(2)	162712211	165423828	173208520	180425992	166812140	169716538	4
Aroclor-1268-3	(3)	139964894	142620983	149835492	155687892	143563980	146334648	4
Aroclor-1268-4	(4)	62601215	63262983	66177076	67604984	59759620	63881176	5
Aroclor-1268-5	(5)	401160937	407647449	423231624	443337256	421401480	419355749	4
Decachlorobiphenyl		1797305300	1841882720	1928545440	2018232880	1865263000	1890245868	5
Tetrachloro-m-xylene		1559644910	1556664040	1644040220	1708675120	1710882200	1635981298	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR16

Lab Code: CHEM **Case No.:** Q1573 **SAS No.:** Q1573 **SDG NO.:** Q1573

Instrument ID: ECD_P **Calibration Date(s):** 03/11/2025 03/11/2025
Calibration Times: 15:13 23:38

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

LAB FILE ID:								
CF 1000 =		PP070419.D		CF 750 =		PP070420.D		
CF 500 =		PP070421.D		CF 250 =		PP070422.D		
				CF 050 =		PP070423.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	31619052	35012463	36116294	39457560	37557300	35952534	8
Aroclor-1016-2	(2)	44662617	48866077	51001758	55603496	59699380	51966666	11
Aroclor-1016-3	(3)	24906943	27191785	28703256	30683884	30781120	28453398	9
Aroclor-1016-4	(4)	19770953	21670935	22902960	24389748	23214920	22389903	8
Aroclor-1016-5	(5)	25646269	27397575	29268330	32409960	33872260	29718879	11
Aroclor-1260-1	(1)	45267436	47641613	50061678	53643092	52308080	49784380	7
Aroclor-1260-2	(2)	60652513	64073769	66616364	70066968	69027800	66087483	6
Aroclor-1260-3	(3)	52248928	55432315	57823148	61011000	59471320	57197342	6
Aroclor-1260-4	(4)	47067710	49841909	53961982	55559372	49386640	51163523	7
Aroclor-1260-5	(5)	123950775	130046140	135804906	136761852	117362580	128785251	6
Decachlorobiphenyl		935400030	944501173	996009380	1027099200	988797000	978361357	4
Tetrachloro-m-xylene		901898260	976425347	1019517980	1052535320	1061027800	1002280941	7
Aroclor-1232-1	(1)	23977464	25043855	25876362	28218616	28432280	26309715	7
Aroclor-1232-2	(2)	23409194	24148587	25178540	27689696	28634420	25812087	9
Aroclor-1232-3	(3)	12864968	13117912	13753150	14320588	15988100	14008944	9
Aroclor-1232-4	(4)	10909254	11094221	11677434	12331552	12548800	11712252	6
Aroclor-1232-5	(5)	12122932	12663212	13051746	13538632	13963480	13068000	6
Decachlorobiphenyl		923591970	934486067	965069440	1131453800	1083832600	1007686775	9
Tetrachloro-m-xylene		981294310	1023698747	1027014040	1102661240	1188146200	1064562907	8
Aroclor-1242-1	(1)	28374294	28991207	30174104	32528448	32989020	30611415	7
Aroclor-1242-2	(2)	40120133	40663773	41940388	45612680	49650880	43597571	9
Aroclor-1242-3	(3)	22172127	22503904	23797688	25561184	25126720	23832325	6
Aroclor-1242-4	(4)	20777408	21261321	22368954	23941300	21863540	22042505	6
Aroclor-1242-5	(5)	26011255	26949576	28142034	29660872	28841860	27921119	5
Decachlorobiphenyl		890780220	996610280	1018649180	1070124720	1151487200	1025530320	9
Tetrachloro-m-xylene		949681240	969479187	1000171980	1041407720	1043402000	1000828425	4
Aroclor-1248-1	(1)	21916865	22139940	24138102	25281632	23901120	23475532	6
Aroclor-1248-2	(2)	28154371	29147072	31604814	33306732	34304240	31303446	8
Aroclor-1248-3	(3)	29522180	30421332	32954472	34362676	31347200	31721572	6
Aroclor-1248-4	(4)	34974296	35760019	38441344	40862964	44827240	38973173	10
Aroclor-1248-5	(5)	34216861	35543065	38522800	40509348	41641320	38086679	8
Decachlorobiphenyl		933290630	982033680	1000188180	1068098600	1015594400	999841098	5
Tetrachloro-m-xylene		948607640	978544213	1031768560	1070844800	1068084800	1019570003	5
Aroclor-1254-1	(1)	49741488	53083060	56518628	60344088	61926700	56322793	9

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1254-2	(2)	43195538	45981229	48525194	52438220	54392240	48906484	9
Aroclor-1254-3	(3)	69004581	72181184	75732026	81417896	78754240	75417985	7
Aroclor-1254-4	(4)	48529875	50966111	53417608	57048936	53797000	52751906	6
Aroclor-1254-5	(5)	63254548	65263447	68912458	73214624	74627960	69054607	7
Decachlorobiphenyl		966187920	982212947	1086993960	1153126680	1151501200	1068004541	8
Tetrachloro-m-xylene		967205180	984098413	1019987640	1086171680	989309800	1009354543	5
Aroclor-1268-1	(1)	168373725	166057156	179047242	187011272	174871700	175072219	5
Aroclor-1268-2	(2)	142006892	140092196	149842434	153490708	144862740	146058994	4
Aroclor-1268-3	(3)	125351560	120465205	129564250	133099628	133160800	128328289	4
Aroclor-1268-4	(4)	54287293	53233979	56809814	58479952	52090820	54980372	5
Aroclor-1268-5	(5)	364151928	362236821	378313444	380892964	354578080	368034647	3
Decachlorobiphenyl		1632116030	1658280453	1742317540	1836812000	1806314000	1735168005	5
Tetrachloro-m-xylene		1019432100	1034489600	1102868440	1184868600	1114308600	1091193468	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Instrument ID: ECD_P Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.73	4.63	4.83	19940100
		2	4.81	4.71	4.91	14608700
		3	4.89	4.79	4.99	44364600
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	8.11	8.01	8.21	81718600
		2	8.43	8.33	8.53	164714000
		3	8.75	8.65	8.85	112164000
		4	8.83	8.73	8.93	83803800
		5	9.49	9.39	9.59	58896200

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Instrument ID: ECD_P Date(s) Analyzed: 03/11/2025 03/11/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.04	3.94	4.14	14882500
		2	4.13	4.03	4.23	11429100
		3	4.20	4.10	4.30	33421800
		4	0.00			0
		5	0.00			0
Aroclor-1262	500	1	6.96	6.86	7.06	83664000
		2	7.22	7.12	7.32	68729800
		3	7.74	7.64	7.84	65986200
		4	7.81	7.71	7.91	104435000
		5	8.31	8.21	8.41	51550000

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 14:00 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.37	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.22	7.22	7.12	7.32	0.00
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.00
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070589.D Time Analyzed: 14:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.674	5.577	5.777	464.700	500.000	-7.1
Aroclor-1016-2	5.696	5.599	5.799	510.500	500.000	2.1
Aroclor-1016-3	5.759	5.661	5.861	489.260	500.000	-2.1
Aroclor-1016-4	5.856	5.758	5.958	488.460	500.000	-2.3
Aroclor-1016-5	6.149	6.051	6.251	489.200	500.000	-2.2
Aroclor-1260-1	7.268	7.171	7.371	520.980	500.000	4.2
Aroclor-1260-2	7.521	7.425	7.625	510.080	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	512.770	500.000	2.6
Aroclor-1260-4	8.104	8.008	8.208	494.890	500.000	-1.0
Aroclor-1260-5	8.424	8.328	8.528	504.270	500.000	0.9
Decachlorobiphenyl	10.245	10.152	10.352	50.120	50.000	0.2
Tetrachloro-m-xylene	4.523	4.424	4.624	48.210	50.000	-3.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL01 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070589.D Time Analyzed: 14:00

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.913	4.817	5.017	513.500	500.000	2.7
Aroclor-1016-2	4.932	4.836	5.036	494.410	500.000	-1.1
Aroclor-1016-3	5.109	5.013	5.213	506.870	500.000	1.4
Aroclor-1016-4	5.150	5.054	5.254	516.010	500.000	3.2
Aroclor-1016-5	5.365	5.270	5.470	506.660	500.000	1.3
Aroclor-1260-1	6.402	6.307	6.507	504.610	500.000	0.9
Aroclor-1260-2	6.590	6.495	6.695	495.670	500.000	-0.9
Aroclor-1260-3	6.744	6.649	6.849	493.220	500.000	-1.4
Aroclor-1260-4	7.215	7.121	7.321	472.030	500.000	-5.6
Aroclor-1260-5	7.456	7.362	7.562	467.540	500.000	-6.5
Decachlorobiphenyl	8.874	8.781	8.981	46.020	50.000	-8.0
Tetrachloro-m-xylene	3.826	3.729	3.929	51.360	50.000	2.7

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.11	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 18:37 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.46	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070604.D Time Analyzed: 18:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.675	5.577	5.777	469.500	500.000	-6.1
Aroclor-1016-2	5.697	5.599	5.799	514.170	500.000	2.8
Aroclor-1016-3	5.760	5.661	5.861	487.100	500.000	-2.6
Aroclor-1016-4	5.857	5.758	5.958	482.110	500.000	-3.6
Aroclor-1016-5	6.150	6.051	6.251	481.210	500.000	-3.8
Aroclor-1260-1	7.268	7.171	7.371	506.790	500.000	1.4
Aroclor-1260-2	7.522	7.425	7.625	510.190	500.000	2.0
Aroclor-1260-3	7.880	7.783	7.983	511.570	500.000	2.3
Aroclor-1260-4	8.105	8.008	8.208	492.860	500.000	-1.4
Aroclor-1260-5	8.425	8.328	8.528	503.040	500.000	0.6
Decachlorobiphenyl	10.243	10.152	10.352	49.810	50.000	-0.4
Tetrachloro-m-xylene	4.524	4.424	4.624	49.030	50.000	-1.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL02 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070604.D Time Analyzed: 18:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.911	4.817	5.017	510.710	500.000	2.1
Aroclor-1016-2	4.930	4.836	5.036	494.880	500.000	-1.0
Aroclor-1016-3	5.107	5.013	5.213	500.540	500.000	0.1
Aroclor-1016-4	5.149	5.054	5.254	510.540	500.000	2.1
Aroclor-1016-5	5.364	5.270	5.470	504.900	500.000	1.0
Aroclor-1260-1	6.400	6.307	6.507	489.900	500.000	-2.0
Aroclor-1260-2	6.588	6.495	6.695	481.780	500.000	-3.6
Aroclor-1260-3	6.742	6.649	6.849	478.610	500.000	-4.3
Aroclor-1260-4	7.214	7.121	7.321	459.970	500.000	-8.0
Aroclor-1260-5	7.455	7.362	7.562	464.860	500.000	-7.0
Decachlorobiphenyl	8.871	8.781	8.981	44.050	50.000	-11.9
Tetrachloro-m-xylene	3.824	3.729	3.929	49.130	50.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:13 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.01
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/17/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 23:13 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070619.D Time Analyzed: 23:13

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.671	5.577	5.777	479.620	500.000	-4.1
Aroclor-1016-2	5.693	5.599	5.799	505.960	500.000	1.2
Aroclor-1016-3	5.755	5.661	5.861	488.720	500.000	-2.3
Aroclor-1016-4	5.852	5.758	5.958	482.070	500.000	-3.6
Aroclor-1016-5	6.145	6.051	6.251	479.000	500.000	-4.2
Aroclor-1260-1	7.263	7.171	7.371	532.850	500.000	6.6
Aroclor-1260-2	7.517	7.425	7.625	519.140	500.000	3.8
Aroclor-1260-3	7.876	7.783	7.983	516.370	500.000	3.3
Aroclor-1260-4	8.100	8.008	8.208	495.460	500.000	-0.9
Aroclor-1260-5	8.421	8.328	8.528	507.150	500.000	1.4
Decachlorobiphenyl	10.238	10.152	10.352	49.870	50.000	-0.3
Tetrachloro-m-xylene	4.519	4.424	4.624	49.180	50.000	-1.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL03 Date Analyzed: 03/17/2025

Lab Sample No.: AR1660CCC500 Data File : PP070619.D Time Analyzed: 23:13

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.909	4.817	5.017	513.180	500.000	2.6
Aroclor-1016-2	4.928	4.836	5.036	497.390	500.000	-0.5
Aroclor-1016-3	5.106	5.013	5.213	503.780	500.000	0.8
Aroclor-1016-4	5.147	5.054	5.254	499.050	500.000	-0.2
Aroclor-1016-5	5.362	5.270	5.470	514.880	500.000	3.0
Aroclor-1260-1	6.398	6.307	6.507	491.090	500.000	-1.8
Aroclor-1260-2	6.586	6.495	6.695	484.330	500.000	-3.1
Aroclor-1260-3	6.740	6.649	6.849	474.160	500.000	-5.2
Aroclor-1260-4	7.212	7.121	7.321	465.710	500.000	-6.9
Aroclor-1260-5	7.453	7.362	7.562	469.060	500.000	-6.2
Decachlorobiphenyl	8.869	8.781	8.981	46.790	50.000	-6.4
Tetrachloro-m-xylene	3.823	3.729	3.929	51.300	50.000	2.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 03:16 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 03:16 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL04 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070632.D Time Analyzed: 03:16

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.672	5.577	5.777	477.300	500.000	-4.5
Aroclor-1016-2	5.693	5.599	5.799	504.430	500.000	0.9
Aroclor-1016-3	5.756	5.661	5.861	489.900	500.000	-2.0
Aroclor-1016-4	5.853	5.758	5.958	485.900	500.000	-2.8
Aroclor-1016-5	6.146	6.051	6.251	473.720	500.000	-5.3
Aroclor-1260-1	7.264	7.171	7.371	516.310	500.000	3.3
Aroclor-1260-2	7.517	7.425	7.625	503.450	500.000	0.7
Aroclor-1260-3	7.876	7.783	7.983	500.910	500.000	0.2
Aroclor-1260-4	8.100	8.008	8.208	475.030	500.000	-5.0
Aroclor-1260-5	8.420	8.328	8.528	494.600	500.000	-1.1
Decachlorobiphenyl	10.239	10.152	10.352	49.060	50.000	-1.9
Tetrachloro-m-xylene	4.520	4.424	4.624	48.860	50.000	-2.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL04 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070632.D Time Analyzed: 03:16

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.910	4.817	5.017	496.870	500.000	-0.6
Aroclor-1016-2	4.929	4.836	5.036	485.020	500.000	-3.0
Aroclor-1016-3	5.106	5.013	5.213	493.700	500.000	-1.3
Aroclor-1016-4	5.147	5.054	5.254	491.490	500.000	-1.7
Aroclor-1016-5	5.362	5.270	5.470	528.450	500.000	5.7
Aroclor-1260-1	6.398	6.307	6.507	484.870	500.000	-3.0
Aroclor-1260-2	6.586	6.495	6.695	472.970	500.000	-5.4
Aroclor-1260-3	6.740	6.649	6.849	467.550	500.000	-6.5
Aroclor-1260-4	7.212	7.121	7.321	445.750	500.000	-10.9
Aroclor-1260-5	7.452	7.362	7.562	445.710	500.000	-10.9
Decachlorobiphenyl	8.869	8.781	8.981	45.550	50.000	-8.9
Tetrachloro-m-xylene	3.823	3.729	3.929	50.770	50.000	1.5

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.68	5.68	5.58	5.78	0.00
Aroclor-1016-2	(2)	5.70	5.70	5.60	5.80	0.00
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.86	5.86	5.76	5.96	0.00
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.27	7.27	7.17	7.37	0.00
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.43	8.43	8.33	8.53	0.00
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.25	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 08:04 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.83	3.83	3.73	3.93	0.00
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL05 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070638.D Time Analyzed: 08:04

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.676	5.577	5.777	491.070	500.000	-1.8
Aroclor-1016-2	5.697	5.599	5.799	526.430	500.000	5.3
Aroclor-1016-3	5.759	5.661	5.861	500.210	500.000	0.0
Aroclor-1016-4	5.857	5.758	5.958	501.550	500.000	0.3
Aroclor-1016-5	6.149	6.051	6.251	507.300	500.000	1.5
Aroclor-1260-1	7.268	7.171	7.371	540.250	500.000	8.1
Aroclor-1260-2	7.521	7.425	7.625	544.090	500.000	8.8
Aroclor-1260-3	7.880	7.783	7.983	538.320	500.000	7.7
Aroclor-1260-4	8.104	8.008	8.208	509.930	500.000	2.0
Aroclor-1260-5	8.425	8.328	8.528	516.460	500.000	3.3
Decachlorobiphenyl	10.245	10.152	10.352	52.050	50.000	4.1
Tetrachloro-m-xylene	4.523	4.424	4.624	51.150	50.000	2.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL05 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070638.D Time Analyzed: 08:04

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.912	4.817	5.017	517.050	500.000	3.4
Aroclor-1016-2	4.930	4.836	5.036	504.670	500.000	0.9
Aroclor-1016-3	5.107	5.013	5.213	516.450	500.000	3.3
Aroclor-1016-4	5.149	5.054	5.254	505.300	500.000	1.1
Aroclor-1016-5	5.364	5.270	5.470	587.100	500.000	17.4
Aroclor-1260-1	6.399	6.307	6.507	504.340	500.000	0.9
Aroclor-1260-2	6.588	6.495	6.695	502.900	500.000	0.6
Aroclor-1260-3	6.741	6.649	6.849	478.330	500.000	-4.3
Aroclor-1260-4	7.213	7.121	7.321	474.490	500.000	-5.1
Aroclor-1260-5	7.454	7.362	7.562	490.680	500.000	-1.9
Decachlorobiphenyl	8.870	8.781	8.981	49.050	50.000	-1.9
Tetrachloro-m-xylene	3.825	3.729	3.929	49.410	50.000	-1.2

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.67	5.68	5.58	5.78	0.01
Aroclor-1016-2	(2)	5.69	5.70	5.60	5.80	0.01
Aroclor-1016-3	(3)	5.76	5.76	5.66	5.86	0.00
Aroclor-1016-4	(4)	5.85	5.86	5.76	5.96	0.01
Aroclor-1016-5	(5)	6.15	6.15	6.05	6.25	0.00
Aroclor-1260-1	(1)	7.26	7.27	7.17	7.37	0.01
Aroclor-1260-2	(2)	7.52	7.53	7.43	7.63	0.01
Aroclor-1260-3	(3)	7.88	7.88	7.78	7.98	0.00
Aroclor-1260-4	(4)	8.10	8.11	8.01	8.21	0.01
Aroclor-1260-5	(5)	8.42	8.43	8.33	8.53	0.01
Tetrachloro-m-xylene		4.52	4.52	4.42	4.62	0.00
Decachlorobiphenyl		10.24	10.25	10.15	10.35	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

Continuing Calib Date: 03/18/2025 Initial Calibration Date(s): 03/11/2025 03/11/2025

Continuing Calib Time: 11:19 Initial Calibration Time(s): 15:13 23:38

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.91	4.92	4.82	5.02	0.01
Aroclor-1016-2	(2)	4.93	4.94	4.84	5.04	0.01
Aroclor-1016-3	(3)	5.11	5.11	5.01	5.21	0.00
Aroclor-1016-4	(4)	5.15	5.15	5.05	5.25	0.00
Aroclor-1016-5	(5)	5.36	5.37	5.27	5.47	0.01
Aroclor-1260-1	(1)	6.40	6.41	6.31	6.51	0.01
Aroclor-1260-2	(2)	6.59	6.60	6.50	6.70	0.01
Aroclor-1260-3	(3)	6.74	6.75	6.65	6.85	0.01
Aroclor-1260-4	(4)	7.21	7.22	7.12	7.32	0.01
Aroclor-1260-5	(5)	7.45	7.46	7.36	7.56	0.01
Tetrachloro-m-xylene		3.82	3.83	3.73	3.93	0.01
Decachlorobiphenyl		8.87	8.88	8.78	8.98	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL06 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070647.D Time Analyzed: 11:19

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.672	5.577	5.777	475.020	500.000	-5.0
Aroclor-1016-2	5.694	5.599	5.799	517.610	500.000	3.5
Aroclor-1016-3	5.756	5.661	5.861	490.300	500.000	-1.9
Aroclor-1016-4	5.853	5.758	5.958	476.340	500.000	-4.7
Aroclor-1016-5	6.146	6.051	6.251	499.370	500.000	-0.1
Aroclor-1260-1	7.264	7.171	7.371	569.940	500.000	14.0
Aroclor-1260-2	7.518	7.425	7.625	541.090	500.000	8.2
Aroclor-1260-3	7.876	7.783	7.983	533.210	500.000	6.6
Aroclor-1260-4	8.101	8.008	8.208	506.300	500.000	1.3
Aroclor-1260-5	8.421	8.328	8.528	514.580	500.000	2.9
Decachlorobiphenyl	10.238	10.152	10.352	50.900	50.000	1.8
Tetrachloro-m-xylene	4.521	4.424	4.624	49.830	50.000	-0.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR16

Lab Code: CHEM Case No.: Q1573 SAS No.: Q1573 SDG NO.: Q1573

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/11/2025 03/11/2025

Client Sample No.: CCAL06 Date Analyzed: 03/18/2025

Lab Sample No.: AR1660CCC500 Data File : PP070647.D Time Analyzed: 11:19

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.909	4.817	5.017	493.750	500.000	-1.3
Aroclor-1016-2	4.928	4.836	5.036	487.120	500.000	-2.6
Aroclor-1016-3	5.105	5.013	5.213	490.310	500.000	-1.9
Aroclor-1016-4	5.147	5.054	5.254	481.210	500.000	-3.8
Aroclor-1016-5	5.361	5.270	5.470	508.140	500.000	1.6
Aroclor-1260-1	6.398	6.307	6.507	511.740	500.000	2.3
Aroclor-1260-2	6.585	6.495	6.695	490.830	500.000	-1.8
Aroclor-1260-3	6.739	6.649	6.849	476.910	500.000	-4.6
Aroclor-1260-4	7.211	7.121	7.321	466.460	500.000	-6.7
Aroclor-1260-5	7.452	7.362	7.562	462.540	500.000	-7.5
Decachlorobiphenyl	8.868	8.781	8.981	47.240	50.000	-5.5
Tetrachloro-m-xylene	3.823	3.729	3.929	50.280	50.000	0.6

Analytical Sequence

Client: Tetra Tech, EMI	SDG No.: Q1573	
Project: R36884 - PCB	Instrument ID: ECD_P	
GC Column: ZB-MR1	ID: 0.32 (mm)	Inst. Calib. Date(s): 03/11/2025 03/11/2025

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	03/11/2025	14:57	PP070418.D	10.25	4.53
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	10.25	4.53
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	10.25	4.52
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	10.25	4.52
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	10.26	4.53
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	10.25	4.53
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	10.25	4.53
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	10.25	4.53
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	10.25	4.53
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	10.25	4.53
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	10.25	4.53
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	10.26	4.53
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	10.25	4.53
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	10.25	4.53
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	10.25	4.53
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	10.25	4.52
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	10.25	4.53
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	10.25	4.53
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	10.25	4.52
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	10.25	4.52
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	10.25	4.52
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	10.25	4.52
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	10.25	4.53
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	10.25	4.52
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	10.25	4.53
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	10.25	4.52
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	10.25	4.53
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	10.25	4.52
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	10.25	4.53
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	10.25	4.53
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	10.25	4.52
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	10.25	4.52
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	10.25	4.53
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	10.25	4.52
IBLK	IBLK	03/17/2025	15:05	PP070593.D	10.24	4.52
PB167154BL	PB167154BL	03/17/2025	15:22	PP070594.D	10.25	4.52
PB167154BS	PB167154BS	03/17/2025	15:38	PP070595.D	10.25	4.52
C0AC4	Q1573-01	03/17/2025	17:15	PP070601.D	10.25	4.52
C0AC4MS	Q1573-01MS	03/17/2025	17:32	PP070602.D	10.24	4.52
C0AC4MSD	Q1573-01MSD	03/17/2025	17:48	PP070603.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	10.24	4.52
IBLK	IBLK	03/17/2025	19:42	PP070608.D	10.24	4.52

Analytical Sequence

C0AC5	Q1573-02	03/17/2025	19:58	PP070609.D	10.24	4.52
C0AC8	Q1573-04	03/17/2025	20:30	PP070611.D	10.24	4.52
C0O29	Q1573-05	03/17/2025	20:47	PP070612.D	10.24	4.52
C0O30	Q1573-06	03/17/2025	21:03	PP070613.D	10.24	4.52
C0O31	Q1573-07	03/17/2025	21:19	PP070614.D	10.24	4.52
C0O32	Q1573-08	03/17/2025	21:35	PP070615.D	10.24	4.52
C0O33	Q1573-09	03/17/2025	21:52	PP070616.D	10.24	4.52
C0O34	Q1573-10	03/17/2025	22:08	PP070617.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/17/2025	23:13	PP070619.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	00:18	PP070623.D	10.24	4.52
PB167172BL	PB167172BL	03/18/2025	01:06	PP070626.D	10.24	4.52
PB167172BS	PB167172BS	03/18/2025	01:23	PP070627.D	10.24	4.52
PB167172BSD	PB167172BSD	03/18/2025	01:39	PP070628.D	10.24	4.52
C0AC7	Q1573-12	03/18/2025	01:55	PP070629.D	10.24	4.52
C0O37	Q1573-13	03/18/2025	02:11	PP070630.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/18/2025	03:16	PP070632.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	04:21	PP070636.D	10.24	4.52
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	10.25	4.52
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	10.24	4.52
C0AC6	Q1573-03	03/18/2025	09:42	PP070644.D	10.24	4.52
C0O35	Q1573-11	03/18/2025	10:14	PP070645.D	10.26	4.53
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	10.24	4.52
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	10.24	4.52

Analytical Sequence

Client: Tetra Tech, EMI

SDG No.: Q1573

Project: R36884 - PCB

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/11/2025

03/11/2025

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	03/11/2025	14:57	PP070418.D	8.88	3.83
AR1660ICC1000	AR1660ICC1000	03/11/2025	15:13	PP070419.D	8.88	3.83
AR1660ICC750	AR1660ICC750	03/11/2025	15:29	PP070420.D	8.88	3.83
AR1660ICC500	AR1660ICC500	03/11/2025	15:46	PP070421.D	8.88	3.83
AR1660ICC250	AR1660ICC250	03/11/2025	16:02	PP070422.D	8.88	3.83
AR1660ICC050	AR1660ICC050	03/11/2025	16:18	PP070423.D	8.88	3.83
AR1221ICC500	AR1221ICC500	03/11/2025	16:34	PP070424.D	8.88	3.83
AR1232ICC1000	AR1232ICC1000	03/11/2025	16:51	PP070425.D	8.88	3.83
AR1232ICC750	AR1232ICC750	03/11/2025	17:07	PP070426.D	8.88	3.83
AR1232ICC500	AR1232ICC500	03/11/2025	17:23	PP070427.D	8.88	3.83
AR1232ICC250	AR1232ICC250	03/11/2025	17:40	PP070428.D	8.88	3.83
AR1232ICC050	AR1232ICC050	03/11/2025	17:56	PP070429.D	8.88	3.83
AR1242ICC1000	AR1242ICC1000	03/11/2025	18:12	PP070430.D	8.88	3.83
AR1242ICC750	AR1242ICC750	03/11/2025	18:28	PP070431.D	8.88	3.83
AR1242ICC500	AR1242ICC500	03/11/2025	18:45	PP070432.D	8.88	3.83
AR1242ICC250	AR1242ICC250	03/11/2025	19:01	PP070433.D	8.88	3.83
AR1242ICC050	AR1242ICC050	03/11/2025	19:17	PP070434.D	8.88	3.83
AR1248ICC1000	AR1248ICC1000	03/11/2025	19:34	PP070435.D	8.88	3.83
AR1248ICC750	AR1248ICC750	03/11/2025	19:50	PP070436.D	8.88	3.83
AR1248ICC500	AR1248ICC500	03/11/2025	20:06	PP070437.D	8.88	3.83
AR1248ICC250	AR1248ICC250	03/11/2025	20:22	PP070438.D	8.88	3.83
AR1248ICC050	AR1248ICC050	03/11/2025	20:39	PP070439.D	8.88	3.83
AR1254ICC1000	AR1254ICC1000	03/11/2025	20:55	PP070440.D	8.88	3.83
AR1254ICC750	AR1254ICC750	03/11/2025	21:11	PP070441.D	8.88	3.83
AR1254ICC500	AR1254ICC500	03/11/2025	21:28	PP070442.D	8.88	3.83
AR1254ICC250	AR1254ICC250	03/11/2025	21:44	PP070443.D	8.88	3.83
AR1254ICC050	AR1254ICC050	03/11/2025	22:00	PP070444.D	8.88	3.83
AR1262ICC500	AR1262ICC500	03/11/2025	22:16	PP070445.D	8.88	3.83
AR1268ICC1000	AR1268ICC1000	03/11/2025	22:33	PP070446.D	8.88	3.83
AR1268ICC750	AR1268ICC750	03/11/2025	22:49	PP070447.D	8.88	3.83
AR1268ICC500	AR1268ICC500	03/11/2025	23:05	PP070448.D	8.88	3.83
AR1268ICC250	AR1268ICC250	03/11/2025	23:22	PP070449.D	8.88	3.83
AR1268ICC050	AR1268ICC050	03/11/2025	23:38	PP070450.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/17/2025	14:00	PP070589.D	8.87	3.83
IBLK	IBLK	03/17/2025	15:05	PP070593.D	8.87	3.83
PB167154BL	PB167154BL	03/17/2025	15:22	PP070594.D	8.87	3.83
PB167154BS	PB167154BS	03/17/2025	15:38	PP070595.D	8.87	3.83
C0AC4	Q1573-01	03/17/2025	17:15	PP070601.D	8.87	3.83
C0AC4MS	Q1573-01MS	03/17/2025	17:32	PP070602.D	8.87	3.83
C0AC4MSD	Q1573-01MSD	03/17/2025	17:48	PP070603.D	8.87	3.83
AR1660CCC500	AR1660CCC500	03/17/2025	18:37	PP070604.D	8.87	3.82
IBLK	IBLK	03/17/2025	19:42	PP070608.D	8.87	3.82

Analytical Sequence

C0AC5	Q1573-02	03/17/2025	19:58	PP070609.D	8.87	3.82
C0AC8	Q1573-04	03/17/2025	20:30	PP070611.D	8.87	3.82
C0029	Q1573-05	03/17/2025	20:47	PP070612.D	8.87	3.82
C0030	Q1573-06	03/17/2025	21:03	PP070613.D	8.87	3.82
C0031	Q1573-07	03/17/2025	21:19	PP070614.D	8.87	3.82
C0032	Q1573-08	03/17/2025	21:35	PP070615.D	8.87	3.83
C0033	Q1573-09	03/17/2025	21:52	PP070616.D	8.87	3.82
C0034	Q1573-10	03/17/2025	22:08	PP070617.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/17/2025	23:13	PP070619.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	00:18	PP070623.D	8.87	3.82
PB167172BL	PB167172BL	03/18/2025	01:06	PP070626.D	8.87	3.82
PB167172BS	PB167172BS	03/18/2025	01:23	PP070627.D	8.87	3.82
PB167172BSD	PB167172BSD	03/18/2025	01:39	PP070628.D	8.87	3.82
C0AC7	Q1573-12	03/18/2025	01:55	PP070629.D	8.87	3.82
C0037	Q1573-13	03/18/2025	02:11	PP070630.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/18/2025	03:16	PP070632.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	04:21	PP070636.D	8.87	3.82
AR1660CCC500	AR1660CCC500	03/18/2025	08:04	PP070638.D	8.87	3.83
I.BLK	I.BLK	03/18/2025	09:10	PP070642.D	8.87	3.82
C0AC6	Q1573-03	03/18/2025	09:42	PP070644.D	8.87	3.82
C0035	Q1573-11	03/18/2025	10:14	PP070645.D	8.88	3.83
AR1660CCC500	AR1660CCC500	03/18/2025	11:19	PP070647.D	8.87	3.82
I.BLK	I.BLK	03/18/2025	12:24	PP070651.D	8.87	3.82



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36884 - PCB		Date Received:		
Client Sample ID:	PB167154BL		SDG No.:	Q1573	
Lab Sample ID:	PB167154BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.01	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070594.D	1	03/17/25 08:35	03/17/25 15:22	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	17.0	U	3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	17.0	U	3.20	17.0	ug/kg
Total PCBs	Total PCBs	17.0	U	5.90	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.5		32 - 144	117%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		32 - 175	112%	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:	Tetra Tech, EMI		Date Collected:		
Project:	R36884 - PCB		Date Received:		
Client Sample ID:	PB167172BL		SDG No.:	Q1573	
Lab Sample ID:	PB167172BL		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070626.D	1	03/17/25 09:35	03/18/25 01:06	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
Total PCBs	Total PCBs	0.50	U	0.14	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.7		16 - 158	108%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.7		10 - 173	99%	SPK: 20

Comments:

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LOD = Limit of Detection

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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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/11/25	
Client Sample ID:	PIBLK-PP070418.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070418.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070418.D	1		03/11/25	pp031125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		60 - 140	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		60 - 140	116%	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:	Tetra Tech, EMI		Date Collected:	03/17/25	
Project:	R36884 - PCB		Date Received:	03/17/25	
Client Sample ID:	PIBLK-PP070593.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070593.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070593.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.8		60 - 140	99%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/17/25	
Project:	R36884 - PCB		Date Received:	03/17/25	
Client Sample ID:	PIBLK-PP070608.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070608.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070608.D	1		03/17/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.3		60 - 140	101%	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:	Tetra Tech, EMI		Date Collected:	03/18/25	
Project:	R36884 - PCB		Date Received:	03/18/25	
Client Sample ID:	PIBLK-PP070623.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070623.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070623.D	1		03/18/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.9		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.4		60 - 140	107%	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:	Tetra Tech, EMI		Date Collected:	03/18/25	
Project:	R36884 - PCB		Date Received:	03/18/25	
Client Sample ID:	PIBLK-PP070636.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070636.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070636.D	1		03/18/25	PP031725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.8		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		60 - 140	96%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:	03/18/25	
Project:	R36884 - PCB		Date Received:	03/18/25	
Client Sample ID:	PIBLK-PP070642.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070642.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070642.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.7		60 - 140	99%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.2		60 - 140	101%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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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:	Tetra Tech, EMI		Date Collected:	03/18/25	
Project:	R36884 - PCB		Date Received:	03/18/25	
Client Sample ID:	PIBLK-PP070651.D		SDG No.:	Q1573	
Lab Sample ID:	I.BLK-PP070651.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070651.D	1		03/18/25	PP031825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.50	U	0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
11096-82-5	Aroclor-1260	0.50	U	0.081	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140	98%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.6		60 - 140	103%	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:	Tetra Tech, EMI		Date Collected:		
Project:	R36884 - PCB		Date Received:		
Client Sample ID:	PB167154BS		SDG No.:	Q1573	
Lab Sample ID:	PB167154BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070595.D	1	03/17/25 08:35	03/17/25 15:38	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	167		3.90	17.0	ug/kg
11104-28-2	Aroclor-1221	17.0	U	4.00	17.0	ug/kg
11141-16-5	Aroclor-1232	17.0	U	3.70	17.0	ug/kg
53469-21-9	Aroclor-1242	17.0	U	4.00	17.0	ug/kg
12672-29-6	Aroclor-1248	17.0	U	5.90	17.0	ug/kg
11097-69-1	Aroclor-1254	17.0	U	3.20	17.0	ug/kg
37324-23-5	Aroclor-1262	17.0	U	5.00	17.0	ug/kg
11100-14-4	Aroclor-1268	17.0	U	3.60	17.0	ug/kg
11096-82-5	Aroclor-1260	159		3.20	17.0	ug/kg
Total PCBs	Total PCBs	326		7.10	17.0	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	23.0		32 - 144	115%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.8		32 - 175	114%	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:	Tetra Tech, EMI		Date Collected:		
Project:	R36884 - PCB		Date Received:		
Client Sample ID:	PB167172BS		SDG No.:	Q1573	
Lab Sample ID:	PB167172BS		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070627.D	1	03/17/25 09:35	03/18/25 01:23	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.20		0.081	0.50	ug/L
Total PCBs	Total PCBs	8.80		0.18	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.0		16 - 158	110%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.1		10 - 173	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech, EMI		Date Collected:		
Project:	R36884 - PCB		Date Received:		
Client Sample ID:	PB167172BSD		SDG No.:	Q1573	
Lab Sample ID:	PB167172BSD		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070628.D	1	03/17/25 09:35	03/18/25 01:39	PB167172

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	4.50		0.097	0.50	ug/L
11104-28-2	Aroclor-1221	0.50	U	0.13	0.50	ug/L
11141-16-5	Aroclor-1232	0.50	U	0.096	0.50	ug/L
53469-21-9	Aroclor-1242	0.50	U	0.12	0.50	ug/L
12672-29-6	Aroclor-1248	0.50	U	0.071	0.50	ug/L
11097-69-1	Aroclor-1254	0.50	U	0.094	0.50	ug/L
37324-23-5	Aroclor-1262	0.50	U	0.14	0.50	ug/L
11100-14-4	Aroclor-1268	0.50	U	0.11	0.50	ug/L
11096-82-5	Aroclor-1260	4.40		0.081	0.50	ug/L
Total PCBs	Total PCBs	8.90		0.18	0.50	ug/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.6		16 - 158	113%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		10 - 173	110%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC4MS		SDG No.:	Q1573	
Lab Sample ID:	Q1573-01MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	72.5	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070602.D	1	03/17/25 08:35	03/17/25 17:32	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	245		5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.50	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	212		8.10	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	201		4.40	23.4	ug/kg
Total PCBs	Total PCBs	657		17.9	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	18.8		32 - 144	94%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.1		32 - 175	60%	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:	Tetra Tech, EMI		Date Collected:	03/11/25	
Project:	R36884 - PCB		Date Received:	03/14/25	
Client Sample ID:	C0AC4MSD		SDG No.:	Q1573	
Lab Sample ID:	Q1573-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	72.5	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070603.D	1	03/17/25 08:35	03/17/25 17:48	PB167154

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	239		5.40	23.4	ug/kg
11104-28-2	Aroclor-1221	23.4	U	5.60	23.4	ug/kg
11141-16-5	Aroclor-1232	23.4	U	5.10	23.4	ug/kg
53469-21-9	Aroclor-1242	23.4	U	5.50	23.4	ug/kg
12672-29-6	Aroclor-1248	201		8.20	23.4	ug/kg
11097-69-1	Aroclor-1254	23.4	U	4.40	23.4	ug/kg
37324-23-5	Aroclor-1262	23.4	U	6.90	23.4	ug/kg
11100-14-4	Aroclor-1268	23.4	U	5.00	23.4	ug/kg
11096-82-5	Aroclor-1260	198		4.50	23.4	ug/kg
Total PCBs	Total PCBs	638		18.1	23.4	ug/kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.1		32 - 144	100%	SPK: 20
2051-24-3	Decachlorobiphenyl	12.4		32 - 175	62%	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