

LAB CHRONICLE

OrderID:	Q1774	OrderDate:	4/10/2025 10:43:00 AM
Client:	Tetra Tech NUS, Inc.	Project:	CTO WE13
Contact:	Ernie Wu	Location:	F11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1774-02	TT-073-IDWGW-2025 0409	WATER			04/09/25			04/10/25
			PCB	8082A		04/10/25	04/10/25	
Q1774-03	TT-074-IDWGW-2025 0409	WATER			04/09/25			04/10/25
			PCB	8082A		04/10/25	04/10/25	
Q1774-04	TT-075-IDWGW-2025 0409	WATER			04/09/25			04/10/25
			PCB	8082A		04/10/25	04/10/25	



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q1774

Order ID: Q1774

Client: Tetra Tech NUS, Inc.

Project ID: CTO WE13

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



SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	04/09/25	
Project:	CTO WE13		Date Received:	04/10/25	
Client Sample ID:	TT-073-IDWGW-20250409		SDG No.:	Q1774	
Lab Sample ID:	Q1774-02		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071214.D	1	04/10/25 13:05	04/10/25 19:33	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.10	0.26	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.099	0.26	0.52	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.52	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.073	0.26	0.52	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.097	0.26	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.52	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.084	0.26	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.8		35 - 137		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	10.9		40 - 135		54%	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 NUS, Inc.		Date Collected:	04/09/25	
Project:	CTO WE13		Date Received:	04/10/25	
Client Sample ID:	TT-074-IDWGW-20250409		SDG No.:	Q1774	
Lab Sample ID:	Q1774-03		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	970	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071215.D	1	04/10/25 13:05	04/10/25 19:49	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.10	0.26	0.52	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.52	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.099	0.26	0.52	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.52	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.073	0.26	0.52	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.097	0.26	0.52	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.52	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.52	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.084	0.26	0.52	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.9		35 - 137		129%	SPK: 20
2051-24-3	Decachlorobiphenyl	7.90		40 - 135		40%	SPK: 20

Comments:

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D = Dilution

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() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	04/09/25	
Project:	CTO WE13		Date Received:	04/10/25	
Client Sample ID:	TT-075-IDWGW-20250409		SDG No.:	Q1774	
Lab Sample ID:	Q1774-04		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	980	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071216.D	1	04/10/25 13:05	04/10/25 20:05	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.26	U	0.099	0.26	0.51	ug/L
11104-28-2	Aroclor-1221	0.41	U	0.13	0.41	0.51	ug/L
11141-16-5	Aroclor-1232	0.26	U	0.098	0.26	0.51	ug/L
53469-21-9	Aroclor-1242	0.26	U	0.12	0.26	0.51	ug/L
12672-29-6	Aroclor-1248	0.26	U	0.072	0.26	0.51	ug/L
11097-69-1	Aroclor-1254	0.26	U	0.096	0.26	0.51	ug/L
37324-23-5	Aroclor-1262	0.41	U	0.14	0.41	0.51	ug/L
11100-14-4	Aroclor-1268	0.26	U	0.11	0.26	0.51	ug/L
11096-82-5	Aroclor-1260	0.26	U	0.083	0.26	0.51	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	25.6		35 - 137		128%	SPK: 20
2051-24-3	Decachlorobiphenyl	9.03		40 - 135		45%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP070916.D	PIBLK-PP070916.D	Tetrachloro-m-xylene	1	20	18.8	94		60	140
		Decachlorobiphenyl	1	20	19.4	97		60	140
		Tetrachloro-m-xylene	2	20	18.1	91		60	140
		Decachlorobiphenyl	2	20	23.4	117		60	140
I.BLK-PP071210.D	PIBLK-PP071210.D	Tetrachloro-m-xylene	1	20	20.3	101		60	140
		Decachlorobiphenyl	1	20	20.9	104		60	140
		Tetrachloro-m-xylene	2	20	19.6	98		60	140
		Decachlorobiphenyl	2	20	18.7	93		60	140
PB167553BL	PB167553BL	Tetrachloro-m-xylene	1	20	24.7	123		35	137
		Decachlorobiphenyl	1	20	24.3	121		40	135
		Tetrachloro-m-xylene	2	20	24.5	122		35	137
		Decachlorobiphenyl	2	20	21.3	107		40	135
Q1774-02	TT-073-IDWGW-20250409	Tetrachloro-m-xylene	1	20	21.8	109		35	137
		Decachlorobiphenyl	1	20	10.9	54		40	135
		Tetrachloro-m-xylene	2	20	21.3	106		35	137
		Decachlorobiphenyl	2	20	9.77	49		40	135
Q1774-03	TT-074-IDWGW-20250409	Tetrachloro-m-xylene	1	20	25.9	129		35	137
		Decachlorobiphenyl	1	20	7.90	40		40	135
		Tetrachloro-m-xylene	2	20	24.1	120		35	137
		Decachlorobiphenyl	2	20	7.29	36	*	40	135
Q1774-04	TT-075-IDWGW-20250409	Tetrachloro-m-xylene	1	20	25.6	128		35	137
		Decachlorobiphenyl	1	20	9.03	45		40	135
		Tetrachloro-m-xylene	2	20	24.1	121		35	137
		Decachlorobiphenyl	2	20	7.82	39	*	40	135
I.BLK-PP071221.D	PIBLK-PP071221.D	Tetrachloro-m-xylene	1	20	20.7	103		60	140
		Decachlorobiphenyl	1	20	21.5	107		60	140
		Tetrachloro-m-xylene	2	20	21.1	106		60	140
		Decachlorobiphenyl	2	20	18.7	93		60	140
I.BLK-PP071227.D	PIBLK-PP071227.D	Tetrachloro-m-xylene	1	20	20.9	104		60	140
		Decachlorobiphenyl	1	20	22.5	112		60	140
		Tetrachloro-m-xylene	2	20	21.5	108		60	140
		Decachlorobiphenyl	2	20	19.0	95		60	140
PB167553BS	PB167553BS	Tetrachloro-m-xylene	1	20	21.6	108		35	137
		Decachlorobiphenyl	1	20	22.0	110		40	135
		Tetrachloro-m-xylene	2	20	21.7	109		35	137
		Decachlorobiphenyl	2	20	19.3	97		40	135
PB167553BSD	PB167553BSD	Tetrachloro-m-xylene	1	20	22.1	110		35	137
		Decachlorobiphenyl	1	20	23.1	115		40	135
		Tetrachloro-m-xylene	2	20	22.5	112		35	137
		Decachlorobiphenyl	2	20	19.7	99		40	135
I.BLK-PP071241.D	PIBLK-PP071241.D	Tetrachloro-m-xylene	1	20	20.5	103		60	140

Surrogate Summary

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP071241.D	PIBLK-PP071241.D	Decachlorobiphenyl	1	20	22.3	111		60	140
		Tetrachloro-m-xylene	2	20	23.1	115		60	140
		Decachlorobiphenyl	2	20	19.6	98		60	140



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A Datafile : PP071228.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167553BS	AR1016	5	4.60	ug/L	92				46	129	
	AR1260	5	4.60	ug/L	92				45	134	



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1774

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A Datafile : PP071229.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167553BSD	AR1016	5	4.70	ug/L	94	2			46	129	20
	AR1260	5	4.70	ug/L	94	2			45	134	20

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167553BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1774

SAS No.: Q1774 SDG NO.: Q1774

Lab Sample ID: PB167553BL

Lab File ID: PP071211.D

Matrix: (soil/water) WATER

Extraction: (Type) SEPF

Sulfur Cleanup: (Y/N) N

Date Extracted: 04/10/2025

Date Analyzed (1): 04/10/2025

Date Analyzed (2): 04/10/2025

Time Analyzed (1): 18:44

Time Analyzed (2): 18:44

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
TT-073-IDWGW-20250409	Q1774-02	PP071214.D	04/10/2025	04/10/2025
TT-074-IDWGW-20250409	Q1774-03	PP071215.D	04/10/2025	04/10/2025
TT-075-IDWGW-20250409	Q1774-04	PP071216.D	04/10/2025	04/10/2025
PB167553BS	PB167553BS	PP071228.D	04/11/2025	04/11/2025
PB167553BSD	PB167553BSD	PP071229.D	04/11/2025	04/11/2025

COMMENTS: _____



CALIBRATION SUMMARY

A
B
C
D
E
F
G

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.23	10.23	10.23	10.23	10.23	10.23	10.13	10.33
Tetrachloro-m-xylene	4.52	4.51	4.51	4.52	4.51	4.51	4.41	4.61

A
B
C
D
E
F
G

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	8.86	8.86	8.86	8.86	8.86	8.86	8.76	8.96
Tetrachloro-m-xylene	3.82	3.82	3.82	3.82	3.82	3.82	3.72	3.92

A
B
C
D
E
F
G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM **Case No.:** Q1774 **SAS No.:** Q1774 **SDG NO.:** Q1774

Instrument ID: ECD_P **Calibration Date(s):** 03/27/2025 03/27/2025
Calibration Times: 10:30 17:53

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

LAB FILE ID:		CF 1000 = <u>PP070917.D</u>		CF 750 = <u>PP070918.D</u>			
CF 500 = <u>PP070919.D</u>		CF 250 = <u>PP070920.D</u>		CF 050 = <u>PP070921.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	47478014	49171687	50934060	54324668	52347880	50851262
Aroclor-1016-2	(2)	72483549	74568483	78811172	80433884	83971080	78053634
Aroclor-1016-3	(3)	43541298	44043953	46815864	48849960	52621940	47174603
Aroclor-1016-4	(4)	36661280	36602855	39014928	39212148	32287440	36755730
Aroclor-1016-5	(5)	32204227	33487635	35040682	36610940	32217200	33912137
Aroclor-1260-1	(1)	60625379	62238407	66823960	72729028	73347280	67152811
Aroclor-1260-2	(2)	90805769	95497569	97808710	102858984	93710780	96136362
Aroclor-1260-3	(3)	75946924	78957439	82970652	86114216	75601760	79918198
Aroclor-1260-4	(4)	67190656	75020355	81451428	78145636	91876440	78736903
Aroclor-1260-5	(5)	154592706	156108101	159960800	166857288	156911780	158886135
Decachlorobiphenyl		1019047430	1065730867	1116449000	1115108760	946747800	1052616771
Tetrachloro-m-xylene		1424837400	1461405720	1519248320	1595716440	1306667000	1461574976
Aroclor-1242-1	(1)	40990074	42746281	43432670	43984636	48732080	43977148
Aroclor-1242-2	(2)	64704598	63862937	67024876	68850388	57138840	64316328
Aroclor-1242-3	(3)	39349869	38048504	39702972	40627540	47468380	41039453
Aroclor-1242-4	(4)	30814559	31466187	32277086	32194644	25864220	30523339
Aroclor-1242-5	(5)	36006298	34981232	37334376	38560396	35669740	36510408
Decachlorobiphenyl		1036298130	1063489027	1106293120	1153452680	1056566000	1083219791
Tetrachloro-m-xylene		1443947330	1507747640	1537397120	1567165920	1326698400	1476591282
Aroclor-1248-1	(1)	31141042	33379292	33781538	45988760	37146900	36287506
Aroclor-1248-2	(2)	42399779	44979081	46192256	47122176	43999640	44938586
Aroclor-1248-3	(3)	48055172	50777464	51825052	50697180	51832600	50637494
Aroclor-1248-4	(4)	59878410	63471275	67039892	73429036	56919340	64147591
Aroclor-1248-5	(5)	56652876	60504408	64286140	68519384	54268440	60846250
Decachlorobiphenyl		1072017300	1124462173	1205136680	1167091680	1109917800	1135725127
Tetrachloro-m-xylene		1462181050	1544091280	1549039360	1559485200	1464932600	1515945898
Aroclor-1254-1	(1)	60157506	63067431	65471886	66806416	66447920	64390232
Aroclor-1254-2	(2)	92838442	97047215	101802392	105556104	108208740	101090579
Aroclor-1254-3	(3)	92334650	98055471	99416554	103841140	104991280	99727819
Aroclor-1254-4	(4)	84238161	87780547	86802510	88788836	85373700	86596751
Aroclor-1254-5	(5)	74433164	79038301	80854650	83958584	83470140	80350968
Decachlorobiphenyl		1095432410	1144692320	1168417220	1194330360	1035516600	1127677782
Tetrachloro-m-xylene		1501288360	1551275560	1575746420	1626904120	1301718600	1511386612
Aroclor-1268-1	(1)	226575551	237927453	239660032	247892192	225482800	235507606

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	190380276	198934901	200232346	204948924	182079900	195315269	4
Aroclor-1268-3	(3)	163648333	171737784	173955356	177246576	167979860	170913582	3
Aroclor-1268-4	(4)	70377008	73665913	73237284	74802952	61652780	70747187	7
Aroclor-1268-5	(5)	459553484	481598519	482514296	498456744	458756600	476175929	3
Decachlorobiphenyl		1956984350	2055290840	2095781900	2171413960	2007035400	2057301290	4
Tetrachloro-m-xylene		1523485290	1594639080	1607574540	1645012520	1440121400	1562166566	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Instrument ID: ECD_P

Calibration Date(s): 03/27/2025 03/27/2025

Calibration Times: 10:30 17:53

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

LAB FILE ID:		CF 1000 = <u>PP070917.D</u>		CF 750 = <u>PP070918.D</u>			
CF 500 = <u>PP070919.D</u>		CF 250 = <u>PP070920.D</u>		CF 050 = <u>PP070921.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	34208953	37661787	37955886	45294856	45319420	40088180
Aroclor-1016-2	(2)	49610574	53393839	54380778	65503040	66437080	57865062
Aroclor-1016-3	(3)	27000462	29732755	29849058	35508136	32526120	30923306
Aroclor-1016-4	(4)	21229955	23465415	23793788	28635320	24655080	24355912
Aroclor-1016-5	(5)	26939544	29893109	30154374	37292184	37326660	32321174
Aroclor-1260-1	(1)	45249076	46519276	48240522	56226688	59796020	51206316
Aroclor-1260-2	(2)	58475471	61260192	62904038	69183788	67145740	63793846
Aroclor-1260-3	(3)	50913622	52312629	53920638	58739540	56547700	54486826
Aroclor-1260-4	(4)	42366044	44395528	47488628	49955128	54926140	47826294
Aroclor-1260-5	(5)	113066934	116639771	125312810	127263128	140268800	124510289
Decachlorobiphenyl		793547960	846236520	865016160	753569280	682611000	788196184
Tetrachloro-m-xylene		926488500	1023245573	1036748080	1124812280	1071924800	1036643847
Aroclor-1242-1	(1)	30391529	31772724	34649408	38698720	35466820	34195840
Aroclor-1242-2	(2)	43879042	45075739	49434800	55503780	52395240	49257720
Aroclor-1242-3	(3)	24103124	24630729	26618958	29833472	28035100	26644277
Aroclor-1242-4	(4)	23086538	23159225	25581538	28618736	31445140	26378235
Aroclor-1242-5	(5)	28647762	29235153	31558738	32962404	32387440	30958299
Decachlorobiphenyl		794686010	779465320	775544600	851493360	677466800	775731218
Tetrachloro-m-xylene		994474400	1020857307	1119824860	1120535680	1106593200	1072457089
Aroclor-1248-1	(1)	23297586	26737011	28501250	29207540	27656520	27079981
Aroclor-1248-2	(2)	31071420	35918237	38274460	38702620	39645560	36722459
Aroclor-1248-3	(3)	32592570	37701093	39964120	40477712	42561380	38659375
Aroclor-1248-4	(4)	38114246	43411732	47181776	48244244	48753000	45141000
Aroclor-1248-5	(5)	37031094	41115012	43925318	46634268	44688040	42678746
Decachlorobiphenyl		763432400	822192813	827097300	806313080	732328400	790272799
Tetrachloro-m-xylene		969522160	1045815880	1138159760	1084071480	1169729800	1081459816
Aroclor-1254-1	(1)	58928147	61799583	66082486	73787844	69490960	66017804
Aroclor-1254-2	(2)	50145967	53786207	56793554	64034708	60730300	57098147
Aroclor-1254-3	(3)	77448562	83642240	87764778	99090376	86260880	86841367
Aroclor-1254-4	(4)	49998215	54614948	55966900	64174348	55747980	56100478
Aroclor-1254-5	(5)	65979008	71358709	71825896	82425644	69163880	72150627
Decachlorobiphenyl		783483810	796181933	910832540	850283840	759277600	820011945
Tetrachloro-m-xylene		1042595600	1091536387	1108578240	1195164040	1067355200	1101045893
Aroclor-1268-1	(1)	165356134	175541800	174753666	176934688	164423820	171402022

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137801505	147739099	145758868	146778256	138336660	143282878	3
Aroclor-1268-3	(3)	120132746	127507232	124391202	127247744	116467620	123149309	4
Aroclor-1268-4	(4)	51096977	54505272	53344994	55689972	49428660	52813175	5
Aroclor-1268-5	(5)	357060145	376226307	370949858	366544744	338563340	361868879	4
Decachlorobiphenyl		1484820890	1579158933	1563503220	1620729960	1432317200	1536106041	5
Tetrachloro-m-xylene		1051289840	1118865693	1118283520	1183542080	1260888000	1146573827	7

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Instrument ID: ECD_P Date(s) Analyzed: 03/27/2025 03/27/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.72	4.62	4.82	17353700
		2	4.80	4.70	4.90	12952900
		3	4.88	4.78	4.98	41717200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.88	4.78	4.98	33288800
		2	5.41	5.31	5.51	15910300
		3	5.69	5.59	5.79	34270400
		4	5.85	5.75	5.95	15707600
		5	5.94	5.84	6.04	10640400
Aroclor-1262	500	1	8.09	7.99	8.19	106300000
		2	8.41	8.31	8.51	198383000
		3	8.73	8.63	8.83	131742000
		4	8.82	8.72	8.92	95614800
		5	9.47	9.37	9.57	65066400

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Instrument ID: ECD_P Date(s) Analyzed: 03/27/2025 03/27/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.03	3.93	4.13	15243600
		2	4.11	4.01	4.21	11436300
		3	4.19	4.09	4.29	34089000
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.19	4.09	4.29	27986800
		2	4.92	4.82	5.02	28061200
		3	5.10	5.00	5.20	14889600
		4	5.19	5.09	5.29	12804400
		5	5.36	5.26	5.46	14174800
Aroclor-1262	500	1	6.95	6.85	7.05	85563600
		2	7.21	7.11	7.31	68464400
		3	7.73	7.63	7.83	60723600
		4	7.79	7.69	7.89	99406800
		5	8.29	8.19	8.39	46871600

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/10/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 16:34 Initial Calibration Time(s): 10:30 17:53

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	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.23	10.23	10.13	10.33	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/10/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 16:34 Initial Calibration Time(s): 10:30 17:53

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW FROM TO		DIFF RT
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL01 Date Analyzed: 04/10/2025

Lab Sample No.: AR1660CCC500 Data File : PP071206.D Time Analyzed: 16:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.670	5.563	5.763	496.930	500.000	-0.6
Aroclor-1016-2	5.691	5.585	5.785	495.850	500.000	-0.8
Aroclor-1016-3	5.753	5.648	5.848	482.230	500.000	-3.6
Aroclor-1016-4	5.850	5.745	5.945	517.440	500.000	3.5
Aroclor-1016-5	6.144	6.038	6.238	526.010	500.000	5.2
Aroclor-1260-1	7.263	7.156	7.356	525.350	500.000	5.1
Aroclor-1260-2	7.516	7.410	7.610	529.730	500.000	5.9
Aroclor-1260-3	7.876	7.768	7.968	531.440	500.000	6.3
Aroclor-1260-4	8.099	7.992	8.192	470.160	500.000	-6.0
Aroclor-1260-5	8.419	8.311	8.511	492.520	500.000	-1.5
Decachlorobiphenyl	10.234	10.125	10.325	50.660	50.000	1.3
Tetrachloro-m-xylene	4.516	4.412	4.612	52.980	50.000	6.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL01 Date Analyzed: 04/10/2025

Lab Sample No.: AR1660CCC500 Data File : PP071206.D Time Analyzed: 16:34

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.899	4.803	5.003	546.170	500.000	9.2
Aroclor-1016-2	4.918	4.822	5.022	529.800	500.000	6.0
Aroclor-1016-3	5.094	4.999	5.199	562.150	500.000	12.4
Aroclor-1016-4	5.136	5.041	5.241	566.440	500.000	13.3
Aroclor-1016-5	5.351	5.255	5.455	568.390	500.000	13.7
Aroclor-1260-1	6.386	6.292	6.492	546.080	500.000	9.2
Aroclor-1260-2	6.574	6.480	6.680	523.580	500.000	4.7
Aroclor-1260-3	6.727	6.634	6.834	530.430	500.000	6.1
Aroclor-1260-4	7.198	7.105	7.305	502.190	500.000	0.4
Aroclor-1260-5	7.440	7.346	7.546	440.140	500.000	-12.0
Decachlorobiphenyl	8.850	8.759	8.959	43.700	50.000	-12.6
Tetrachloro-m-xylene	3.813	3.716	3.916	53.310	50.000	6.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/10/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 21:21 Initial Calibration Time(s): 10:30 17:53

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	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	0.00
Aroclor-1260-3	(3)	7.87	7.87	7.77	7.97	0.00
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.51	4.51	4.41	4.61	0.00
Decachlorobiphenyl		10.23	10.23	10.13	10.33	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/10/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 21:21 Initial Calibration Time(s): 10:30 17:53

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.09	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.57	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL02 Date Analyzed: 04/10/2025

Lab Sample No.: AR1660CCC500 Data File : PP071217.D Time Analyzed: 21:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.668	5.563	5.763	522.540	500.000	4.5
Aroclor-1016-2	5.689	5.585	5.785	521.640	500.000	4.3
Aroclor-1016-3	5.752	5.648	5.848	509.140	500.000	1.8
Aroclor-1016-4	5.849	5.745	5.945	557.900	500.000	11.6
Aroclor-1016-5	6.142	6.038	6.238	577.980	500.000	15.6
Aroclor-1260-1	7.259	7.156	7.356	565.900	500.000	13.2
Aroclor-1260-2	7.515	7.410	7.610	582.410	500.000	16.5
Aroclor-1260-3	7.873	7.768	7.968	549.310	500.000	9.9
Aroclor-1260-4	8.099	7.992	8.192	529.790	500.000	6.0
Aroclor-1260-5	8.417	8.311	8.511	541.830	500.000	8.4
Decachlorobiphenyl	10.233	10.125	10.325	53.220	50.000	6.4
Tetrachloro-m-xylene	4.514	4.412	4.612	53.300	50.000	6.6

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL02 Date Analyzed: 04/10/2025

Lab Sample No.: AR1660CCC500 Data File : PP071217.D Time Analyzed: 21:21

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.899	4.803	5.003	535.360	500.000	7.1
Aroclor-1016-2	4.917	4.822	5.022	523.850	500.000	4.8
Aroclor-1016-3	5.094	4.999	5.199	561.950	500.000	12.4
Aroclor-1016-4	5.136	5.041	5.241	553.160	500.000	10.6
Aroclor-1016-5	5.350	5.255	5.455	577.870	500.000	15.6
Aroclor-1260-1	6.386	6.292	6.492	576.420	500.000	15.3
Aroclor-1260-2	6.574	6.480	6.680	552.720	500.000	10.5
Aroclor-1260-3	6.727	6.634	6.834	561.900	500.000	12.4
Aroclor-1260-4	7.198	7.105	7.305	515.220	500.000	3.0
Aroclor-1260-5	7.440	7.346	7.546	465.030	500.000	-7.0
Decachlorobiphenyl	8.851	8.759	8.959	44.970	50.000	-10.1
Tetrachloro-m-xylene	3.812	3.716	3.916	49.440	50.000	-1.1

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/11/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 09:37 Initial Calibration Time(s): 10:30 17:53

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	5.66	5.56	5.76	-0.02
Aroclor-1016-2	(2)	5.70	5.69	5.59	5.79	-0.01
Aroclor-1016-3	(3)	5.76	5.75	5.65	5.85	-0.01
Aroclor-1016-4	(4)	5.86	5.85	5.75	5.95	-0.01
Aroclor-1016-5	(5)	6.15	6.14	6.04	6.24	-0.01
Aroclor-1260-1	(1)	7.27	7.26	7.16	7.36	-0.01
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.88	7.87	7.77	7.97	-0.01
Aroclor-1260-4	(4)	8.11	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.43	8.41	8.31	8.51	-0.02
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	-0.01
Decachlorobiphenyl		10.25	10.23	10.13	10.33	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/11/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 09:37 Initial Calibration Time(s): 10:30 17:53

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.82	3.82	3.72	3.92	0.00
Decachlorobiphenyl		8.86	8.86	8.76	8.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL03 Date Analyzed: 04/11/2025

Lab Sample No.: AR1660CCC500 Data File : PP071223.D Time Analyzed: 09:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.675	5.563	5.763	449.470	500.000	-10.1
Aroclor-1016-2	5.697	5.585	5.785	424.640	500.000	-15.1
Aroclor-1016-3	5.759	5.648	5.848	452.500	500.000	-9.5
Aroclor-1016-4	5.856	5.745	5.945	464.800	500.000	-7.0
Aroclor-1016-5	6.149	6.038	6.238	483.520	500.000	-3.3
Aroclor-1260-1	7.269	7.156	7.356	518.500	500.000	3.7
Aroclor-1260-2	7.523	7.410	7.610	509.860	500.000	2.0
Aroclor-1260-3	7.881	7.768	7.968	472.810	500.000	-5.4
Aroclor-1260-4	8.105	7.992	8.192	453.220	500.000	-9.4
Aroclor-1260-5	8.426	8.311	8.511	467.610	500.000	-6.5
Decachlorobiphenyl	10.245	10.125	10.325	57.330	50.000	14.7
Tetrachloro-m-xylene	4.522	4.412	4.612	45.120	50.000	-9.8

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL03 Date Analyzed: 04/11/2025

Lab Sample No.: AR1660CCC500 Data File : PP071223.D Time Analyzed: 09:37

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	4.902	4.803	5.003	476.160	500.000	-4.8
Aroclor-1016-2	4.920	4.822	5.022	457.000	500.000	-8.6
Aroclor-1016-3	5.097	4.999	5.199	491.450	500.000	-1.7
Aroclor-1016-4	5.140	5.041	5.241	489.550	500.000	-2.1
Aroclor-1016-5	5.353	5.255	5.455	512.450	500.000	2.5
Aroclor-1260-1	6.388	6.292	6.492	505.110	500.000	1.0
Aroclor-1260-2	6.577	6.480	6.680	479.210	500.000	-4.2
Aroclor-1260-3	6.731	6.634	6.834	479.920	500.000	-4.0
Aroclor-1260-4	7.202	7.105	7.305	449.200	500.000	-10.2
Aroclor-1260-5	7.443	7.346	7.546	403.620	500.000	-19.3
Decachlorobiphenyl	8.855	8.759	8.959	48.360	50.000	-3.3
Tetrachloro-m-xylene	3.815	3.716	3.916	45.510	50.000	-9.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/11/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 17:35 Initial Calibration Time(s): 10:30 17:53

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	5.66	5.56	5.76	-0.01
Aroclor-1016-2	(2)	5.69	5.69	5.59	5.79	0.00
Aroclor-1016-3	(3)	5.75	5.75	5.65	5.85	0.00
Aroclor-1016-4	(4)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-5	(5)	6.14	6.14	6.04	6.24	0.00
Aroclor-1260-1	(1)	7.26	7.26	7.16	7.36	0.00
Aroclor-1260-2	(2)	7.52	7.51	7.41	7.61	-0.01
Aroclor-1260-3	(3)	7.87	7.87	7.77	7.97	0.00
Aroclor-1260-4	(4)	8.10	8.09	7.99	8.19	-0.01
Aroclor-1260-5	(5)	8.42	8.41	8.31	8.51	-0.01
Tetrachloro-m-xylene		4.52	4.51	4.41	4.61	0.00
Decachlorobiphenyl		10.24	10.23	10.13	10.33	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

Continuing Calib Date: 04/11/2025 Initial Calibration Date(s): 03/27/2025 03/27/2025

Continuing Calib Time: 17:35 Initial Calibration Time(s): 10:30 17:53

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	4.90	4.90	4.80	5.00	0.00
Aroclor-1016-2	(2)	4.92	4.92	4.82	5.02	0.00
Aroclor-1016-3	(3)	5.10	5.10	5.00	5.20	0.01
Aroclor-1016-4	(4)	5.14	5.14	5.04	5.24	0.00
Aroclor-1016-5	(5)	5.35	5.36	5.26	5.46	0.01
Aroclor-1260-1	(1)	6.39	6.39	6.29	6.49	0.00
Aroclor-1260-2	(2)	6.58	6.58	6.48	6.68	0.01
Aroclor-1260-3	(3)	6.73	6.73	6.63	6.83	0.00
Aroclor-1260-4	(4)	7.20	7.21	7.11	7.31	0.01
Aroclor-1260-5	(5)	7.44	7.45	7.35	7.55	0.01
Tetrachloro-m-xylene		3.81	3.82	3.72	3.92	0.01
Decachlorobiphenyl		8.85	8.86	8.76	8.96	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL04 Date Analyzed: 04/11/2025

Lab Sample No.: AR1660CCC500 Data File : PP071238.D Time Analyzed: 17:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.669	5.563	5.763	442.660	500.000	-11.5
Aroclor-1016-2	5.690	5.585	5.785	440.100	500.000	-12.0
Aroclor-1016-3	5.753	5.648	5.848	437.600	500.000	-12.5
Aroclor-1016-4	5.850	5.745	5.945	466.950	500.000	-6.6
Aroclor-1016-5	6.143	6.038	6.238	466.850	500.000	-6.6
Aroclor-1260-1	7.261	7.156	7.356	511.350	500.000	2.3
Aroclor-1260-2	7.516	7.410	7.610	496.050	500.000	-0.8
Aroclor-1260-3	7.874	7.768	7.968	476.890	500.000	-4.6
Aroclor-1260-4	8.099	7.992	8.192	472.230	500.000	-5.6
Aroclor-1260-5	8.419	8.311	8.511	474.190	500.000	-5.2
Decachlorobiphenyl	10.235	10.125	10.325	56.640	50.000	13.3
Tetrachloro-m-xylene	4.515	4.412	4.612	44.100	50.000	-11.8

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1774 SAS No.: Q1774 SDG NO.: Q1774

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 03/27/2025 03/27/2025

Client Sample No.: CCAL04 Date Analyzed: 04/11/2025

Lab Sample No.: AR1660CCC500 Data File : PP071238.D Time Analyzed: 17:35

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	4.900	4.803	5.003	479.110	500.000	-4.2
Aroclor-1016-2	4.918	4.822	5.022	470.400	500.000	-5.9
Aroclor-1016-3	5.095	4.999	5.199	496.310	500.000	-0.7
Aroclor-1016-4	5.137	5.041	5.241	487.780	500.000	-2.4
Aroclor-1016-5	5.351	5.255	5.455	514.420	500.000	2.9
Aroclor-1260-1	6.387	6.292	6.492	499.880	500.000	0.0
Aroclor-1260-2	6.575	6.480	6.680	489.430	500.000	-2.1
Aroclor-1260-3	6.728	6.634	6.834	484.790	500.000	-3.0
Aroclor-1260-4	7.199	7.105	7.305	452.950	500.000	-9.4
Aroclor-1260-5	7.441	7.346	7.546	405.910	500.000	-18.8
Decachlorobiphenyl	8.851	8.759	8.959	48.600	50.000	-2.8
Tetrachloro-m-xylene	3.814	3.716	3.916	46.810	50.000	-6.4

Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: Q1774

Project: CTO WE13

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/27/2025

03/27/2025

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	03/27/2025	10:14	PP070916.D	10.23	4.51
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	10.23	4.51
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	10.23	4.52
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	10.23	4.51
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	10.23	4.52
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	10.23	4.51
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	10.23	4.52
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	10.23	4.52
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	10.23	4.51
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	10.23	4.51
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	10.23	4.51
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	10.23	4.51
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	10.23	4.51
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	10.23	4.51
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	10.23	4.51
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	10.23	4.51
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	10.23	4.52
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	10.23	4.51
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	10.23	4.51
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	10.23	4.51
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	10.23	4.51
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	10.23	4.51
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	10.23	4.52
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	10.23	4.51
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	10.23	4.52
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	10.23	4.51
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	10.23	4.51
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	10.23	4.52
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/10/2025	16:34	PP071206.D	10.23	4.52
IBLK	IBLK	04/10/2025	18:11	PP071210.D	10.23	4.51
PB167553BL	PB167553BL	04/10/2025	18:44	PP071211.D	10.23	4.52
TT-073-IDWGW-20250409	Q1774-02	04/10/2025	19:33	PP071214.D	10.23	4.52
TT-074-IDWGW-20250409	Q1774-03	04/10/2025	19:49	PP071215.D	10.23	4.52
TT-075-IDWGW-20250409	Q1774-04	04/10/2025	20:05	PP071216.D	10.23	4.51
AR1660CCC500	AR1660CCC500	04/10/2025	21:21	PP071217.D	10.23	4.51
IBLK	IBLK	04/10/2025	22:59	PP071221.D	10.23	4.52
AR1660CCC500	AR1660CCC500	04/11/2025	09:37	PP071223.D	10.25	4.52
IBLK	IBLK	04/11/2025	10:42	PP071227.D	10.23	4.51
PB167553BS	PB167553BS	04/11/2025	11:17	PP071228.D	10.24	4.52
PB167553BSD	PB167553BSD	04/11/2025	11:33	PP071229.D	10.23	4.52
AR1660CCC500	AR1660CCC500	04/11/2025	17:35	PP071238.D	10.24	4.52

Analytical Sequence

IBLK	IBLK	04/11/2025	18:24	PP071241.D	10.24	4.52
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Analytical Sequence

Client: Tetra Tech NUS, Inc.

SDG No.: Q1774

Project: CTO WE13

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 03/27/2025

03/27/2025

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	03/27/2025	10:14	PP070916.D	8.86	3.82
AR1660ICC1000	AR1660ICC1000	03/27/2025	10:30	PP070917.D	8.86	3.82
AR1660ICC750	AR1660ICC750	03/27/2025	10:47	PP070918.D	8.86	3.82
AR1660ICC500	AR1660ICC500	03/27/2025	11:03	PP070919.D	8.86	3.82
AR1660ICC250	AR1660ICC250	03/27/2025	11:19	PP070920.D	8.86	3.82
AR1660ICC050	AR1660ICC050	03/27/2025	11:35	PP070921.D	8.86	3.82
AR1221ICC500	AR1221ICC500	03/27/2025	11:52	PP070922.D	8.86	3.82
AR1232ICC500	AR1232ICC500	03/27/2025	12:11	PP070923.D	8.86	3.82
AR1242ICC1000	AR1242ICC1000	03/27/2025	12:28	PP070924.D	8.86	3.82
AR1242ICC750	AR1242ICC750	03/27/2025	12:44	PP070925.D	8.86	3.82
AR1242ICC500	AR1242ICC500	03/27/2025	13:00	PP070926.D	8.86	3.82
AR1242ICC250	AR1242ICC250	03/27/2025	13:16	PP070927.D	8.86	3.82
AR1242ICC050	AR1242ICC050	03/27/2025	13:33	PP070928.D	8.86	3.82
AR1248ICC1000	AR1248ICC1000	03/27/2025	13:49	PP070929.D	8.86	3.82
AR1248ICC750	AR1248ICC750	03/27/2025	14:05	PP070930.D	8.86	3.82
AR1248ICC500	AR1248ICC500	03/27/2025	14:22	PP070931.D	8.86	3.82
AR1248ICC250	AR1248ICC250	03/27/2025	14:38	PP070932.D	8.86	3.82
AR1248ICC050	AR1248ICC050	03/27/2025	14:55	PP070933.D	8.86	3.82
AR1254ICC1000	AR1254ICC1000	03/27/2025	15:11	PP070934.D	8.86	3.82
AR1254ICC750	AR1254ICC750	03/27/2025	15:27	PP070935.D	8.86	3.82
AR1254ICC500	AR1254ICC500	03/27/2025	15:43	PP070936.D	8.86	3.82
AR1254ICC250	AR1254ICC250	03/27/2025	16:00	PP070937.D	8.86	3.82
AR1254ICC050	AR1254ICC050	03/27/2025	16:16	PP070938.D	8.86	3.82
AR1262ICC500	AR1262ICC500	03/27/2025	16:32	PP070939.D	8.86	3.82
AR1268ICC1000	AR1268ICC1000	03/27/2025	16:48	PP070940.D	8.86	3.82
AR1268ICC750	AR1268ICC750	03/27/2025	17:05	PP070941.D	8.86	3.82
AR1268ICC500	AR1268ICC500	03/27/2025	17:21	PP070942.D	8.86	3.82
AR1268ICC250	AR1268ICC250	03/27/2025	17:37	PP070943.D	8.86	3.82
AR1268ICC050	AR1268ICC050	03/27/2025	17:53	PP070944.D	8.86	3.82
AR1660CCC500	AR1660CCC500	04/10/2025	16:34	PP071206.D	8.85	3.81
IBLK	IBLK	04/10/2025	18:11	PP071210.D	8.85	3.81
PB167553BL	PB167553BL	04/10/2025	18:44	PP071211.D	8.85	3.81
TT-073-IDWGW-20250409	Q1774-02	04/10/2025	19:33	PP071214.D	8.85	3.81
TT-074-IDWGW-20250409	Q1774-03	04/10/2025	19:49	PP071215.D	8.85	3.81
TT-075-IDWGW-20250409	Q1774-04	04/10/2025	20:05	PP071216.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/10/2025	21:21	PP071217.D	8.85	3.81
IBLK	IBLK	04/10/2025	22:59	PP071221.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/11/2025	09:37	PP071223.D	8.86	3.82
IBLK	IBLK	04/11/2025	10:42	PP071227.D	8.85	3.81
PB167553BS	PB167553BS	04/11/2025	11:17	PP071228.D	8.85	3.82
PB167553BSD	PB167553BSD	04/11/2025	11:33	PP071229.D	8.85	3.81
AR1660CCC500	AR1660CCC500	04/11/2025	17:35	PP071238.D	8.85	3.81

Analytical Sequence

IBLK	IBLK	04/11/2025	18:24	PP071241.D	8.85	3.81
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A

B

C

D

E

F

G



QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB167553BL		SDG No.:	Q1774	
Lab Sample ID:	PB167553BL		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071211.D	1	04/10/25 13:05	04/10/25 18:44	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	24.7		35 - 137		123%	SPK: 20
2051-24-3	Decachlorobiphenyl	24.3		40 - 135		121%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	03/27/25	
Project:	CTO WE13		Date Received:	03/27/25	
Client Sample ID:	PIBLK-PP070916.D		SDG No.:	Q1774	
Lab Sample ID:	I.BLK-PP070916.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP070916.D	1		03/27/25	PP032725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	18.1		60 - 140		91%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 140		97%	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 NUS, Inc.		Date Collected:	04/10/25	
Project:	CTO WE13		Date Received:	04/10/25	
Client Sample ID:	PIBLK-PP071210.D		SDG No.:	Q1774	
Lab Sample ID:	I.BLK-PP071210.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071210.D	1		04/10/25	PP041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.6		60 - 140		98%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 140		93%	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 NUS, Inc.		Date Collected:	04/10/25	
Project:	CTO WE13		Date Received:	04/10/25	
Client Sample ID:	PIBLK-PP071221.D		SDG No.:	Q1774	
Lab Sample ID:	I.BLK-PP071221.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071221.D	1		04/10/25	PP041025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.7		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	18.7		60 - 140		93%	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 NUS, Inc.		Date Collected:	04/11/25	
Project:	CTO WE13		Date Received:	04/11/25	
Client Sample ID:	PIBLK-PP071227.D		SDG No.:	Q1774	
Lab Sample ID:	I.BLK-PP071227.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071227.D	1		04/11/25	pp041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.9		60 - 140		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 140		95%	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 NUS, Inc.		Date Collected:	04/11/25	
Project:	CTO WE13		Date Received:	04/11/25	
Client Sample ID:	PIBLK-PP071241.D		SDG No.:	Q1774	
Lab Sample ID:	I.BLK-PP071241.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071241.D	1		04/11/25	pp041125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.25	U	0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	0.25	U	0.081	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.5		60 - 140		103%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.6		60 - 140		98%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

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LOD = Limit of Detection

E = Value Exceeds Calibration Range

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M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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D = Dilution

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB167553BS		SDG No.:	Q1774	
Lab Sample ID:	PB167553BS		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071228.D	1	04/10/25 13:05	04/11/25 11:17	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.60		0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	4.60		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.7		35 - 137		109%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.0		40 - 135		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 NUS, Inc.		Date Collected:		
Project:	CTO WE13		Date Received:		
Client Sample ID:	PB167553BSD		SDG No.:	Q1774	
Lab Sample ID:	PB167553BSD		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP071229.D	1	04/10/25 13:05	04/11/25 11:33	PB167553

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	4.70		0.097	0.25	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.13	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.25	U	0.096	0.25	0.50	ug/L
53469-21-9	Aroclor-1242	0.25	U	0.12	0.25	0.50	ug/L
12672-29-6	Aroclor-1248	0.25	U	0.071	0.25	0.50	ug/L
11097-69-1	Aroclor-1254	0.25	U	0.094	0.25	0.50	ug/L
37324-23-5	Aroclor-1262	0.40	U	0.14	0.40	0.50	ug/L
11100-14-4	Aroclor-1268	0.25	U	0.11	0.25	0.50	ug/L
11096-82-5	Aroclor-1260	4.70		0.081	0.25	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.5		35 - 137		112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.1		40 - 135		115%	SPK: 20

Comments:

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LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit