

LAB CHRONICLE

OrderID:	Q1069	OrderDate:	1/10/2025 1:20:00 PM
Client:	Tetra Tech NUS, Inc.	Project:	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1069-01	RW7B-CARBON-20250 109	SOIL	PCB	8082A	01/09/25	01/13/25	01/14/25	01/09/25



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

Hit Summary Sheet
SW-846

SDG No.: Q1069

Order ID: Q1069

Client: Tetra Tech NUS, Inc.

Project ID: NWIRP Bethpage 112G08005-WE13

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

Total Concentration: 0.000

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SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/09/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/09/25	
Client Sample ID:	RW7B-CARBON-20250109		SDG No.:	Q1069	
Lab Sample ID:	Q1069-01		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	55.6	Decanted:
Sample Wt/Vol:	30.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069109.D	1	01/13/25 08:10	01/14/25 10:24	PB166030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	14.9	U	6.10	14.9	30.5	ug/kg
11104-28-2	Aroclor-1221	23.3	U	11.5	23.3	30.5	ug/kg
11141-16-5	Aroclor-1232	23.3	U	6.10	23.3	30.5	ug/kg
53469-21-9	Aroclor-1242	14.9	U	6.10	14.9	30.5	ug/kg
12672-29-6	Aroclor-1248	23.3	U	14.2	23.3	30.5	ug/kg
11097-69-1	Aroclor-1254	23.3	U	4.90	23.3	30.5	ug/kg
37324-23-5	Aroclor-1262	14.9	U	8.20	14.9	30.5	ug/kg
11100-14-4	Aroclor-1268	23.3	U	6.20	23.3	30.5	ug/kg
11096-82-5	Aroclor-1260	14.9	U	5.20	14.9	30.5	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.4		44 - 130		112%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.3		60 - 125		117%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



QC SUMMARY

Surrogate Summary

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068914.D	PIBLK-PP068914.D	Tetrachloro-m-xylene	1	20	21.4	107		60	140
		Decachlorobiphenyl	1	20	23.6	118		60	140
		Tetrachloro-m-xylene	2	20	21.8	109		60	140
		Decachlorobiphenyl	2	20	22.9	115		60	140
I.BLK-PP069074.D	PIBLK-PP069074.D	Tetrachloro-m-xylene	1	20	20.8	104		60	140
		Decachlorobiphenyl	1	20	20.4	102		60	140
		Tetrachloro-m-xylene	2	20	21.1	105		60	140
		Decachlorobiphenyl	2	20	22.1	111		60	140
PB166030BL	PB166030BL	Tetrachloro-m-xylene	1	20	19.1	95		44	130
		Decachlorobiphenyl	1	20	19.2	96		60	125
		Tetrachloro-m-xylene	2	20	19.1	96		44	130
		Decachlorobiphenyl	2	20	19.4	97		60	125
PB166030BS	PB166030BS	Tetrachloro-m-xylene	1	20	19.7	99		44	130
		Decachlorobiphenyl	1	20	19.4	97		60	125
		Tetrachloro-m-xylene	2	20	20.1	101		44	130
		Decachlorobiphenyl	2	20	19.9	100		60	125
Q1068-01MS	TR-06-1-10-2025MS	Tetrachloro-m-xylene	1	20	21.1	106		44	130
		Decachlorobiphenyl	1	20	19.0	95		60	125
		Tetrachloro-m-xylene	2	20	22.5	112		44	130
		Decachlorobiphenyl	2	20	18.8	94		60	125
Q1068-01MSD	TR-06-1-10-2025MSD	Tetrachloro-m-xylene	1	20	20.2	101		44	130
		Decachlorobiphenyl	1	20	18.7	94		60	125
		Tetrachloro-m-xylene	2	20	22.6	113		44	130
		Decachlorobiphenyl	2	20	19.3	97		60	125
I.BLK-PP069088.D	PIBLK-PP069088.D	Tetrachloro-m-xylene	1	20	21.1	105		60	140
		Decachlorobiphenyl	1	20	20.6	103		60	140
		Tetrachloro-m-xylene	2	20	21.0	105		60	140
		Decachlorobiphenyl	2	20	21.0	105		60	140
I.BLK-PP069108.D	PIBLK-PP069108.D	Tetrachloro-m-xylene	1	20	21.1	105		60	140
		Decachlorobiphenyl	1	20	20.8	104		60	140
		Tetrachloro-m-xylene	2	20	21.4	107		60	140
		Decachlorobiphenyl	2	20	22.9	115		60	140
Q1069-01	RW7B-CARBON-20250109	Tetrachloro-m-xylene	1	20	22.3	112		44	130
		Decachlorobiphenyl	1	20	21.3	106		60	125
		Tetrachloro-m-xylene	2	20	22.4	112		44	130
		Decachlorobiphenyl	2	20	23.3	117		60	125
I.BLK-PP069121.D	PIBLK-PP069121.D	Tetrachloro-m-xylene	1	20	21.6	108		60	140
		Decachlorobiphenyl	1	20	20.6	103		60	140
		Tetrachloro-m-xylene	2	20	20.8	104		60	140
		Decachlorobiphenyl	2	20	23.3	117		60	140

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

DataFile : PP069080.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TR-06-1-10-2025MS											
Q1068-01MS	AR1016	184	0	175	ug/kg	95				47	134	
	AR1260	184	0	173	ug/kg	94				53	140	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A

DataFile : PP069081.D

Lab Sample ID:	Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Client Sample ID:	TR-06-1-10-2025MSD											
Q1068-01MSD	AR1016	183.7	0	181	ug/kg	99		4		47	134	20
	AR1260	183.7	0	170	ug/kg	93		1		53	140	20



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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1069

Client: Tetra Tech NUS, Inc.

Analytical Method: 8082A Datafile : PP069076.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB166030BS	AR1016	166.6	149	ug/kg	89				47	134		
	AR1260	166.6	138	ug/kg	83				53	140		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166030BL

Lab Name: CHEMTECH

Contract: TETR06

Lab Code: CHEM Case No.: Q1069

SAS No.: Q1069 SDG NO.: Q1069

Lab Sample ID: PB166030BL

Lab File ID: PP069075.D

Matrix: (soil/water) Solid

Extraction: (Type) SOXH

Sulfur Cleanup: (Y/N) N

Date Extracted: 01/13/2025

Date Analyzed (1): 01/13/2025

Date Analyzed (2): 01/13/2025

Time Analyzed (1): 11:23

Time Analyzed (2): 11:23

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
PB166030BS	PB166030BS	PP069076.D	01/13/2025	01/13/2025
TR-06-1-10-2025MS	Q1068-01MS	PP069080.D	01/13/2025	01/13/2025
TR-06-1-10-2025MSD	Q1068-01MSD	PP069081.D	01/13/2025	01/13/2025
RW7B-CARBON-20250109	Q1069-01	PP069109.D	01/14/2025	01/14/2025

COMMENTS: _____



CALIBRATION SUMMARY

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.53	10.52	10.53	10.53	10.53	10.53	10.43	10.63
Tetrachloro-m-xylene	4.67	4.67	4.68	4.67	4.67	4.67	4.57	4.77

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.11	9.11	9.11	9.11	9.11	9.11	9.01	9.21
Tetrachloro-m-xylene	3.98	3.99	3.98	3.99	3.99	3.99	3.89	4.09

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CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Instrument ID: ECD_P

Calibration Date(s): 01/06/2025 01/07/2025

Calibration Times: 19:57 03:16

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

LAB FILE ID:								
CF 1000 = PP068915.D		CF 750 = PP068916.D		CF 500 = PP068917.D		CF 250 = PP068918.D		
CF 750 = PP068919.D		CF 050 = PP068919.D		CF 050 = PP068919.D		CF 050 = PP068919.D		
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	CF	% RSD
Aroclor-1016-1	(1)	40885041	42512889	44289716	47071260	49420440	44835869	8
Aroclor-1016-2	(2)	62798143	66870065	71355832	74463520	60581160	67213744	9
Aroclor-1016-3	(3)	38906215	41190977	43337062	44705104	42803280	42188528	5
Aroclor-1016-4	(4)	32017271	33989945	35396090	37112512	36407480	34984660	6
Aroclor-1016-5	(5)	31333269	33431283	34724498	36878872	36588000	34591184	7
Aroclor-1260-1	(1)	55297007	58192836	62922684	69154760	68099580	62733373	10
Aroclor-1260-2	(2)	67660862	71484929	76227518	82167320	81110380	75730202	8
Aroclor-1260-3	(3)	58632775	61433135	65701952	71094008	71146000	65601574	9
Aroclor-1260-4	(4)	59030440	62369265	66379830	72014688	71257740	66210393	8
Aroclor-1260-5	(5)	114116479	119881285	126090058	134301316	131412820	125160392	7
Decachlorobiphenyl		1023741880	1056425320	1121292880	1210658840	1170227200	1116469224	7
Tetrachloro-m-xylene		1326275610	1382087027	1468306860	1479335360	1300426400	1391286251	6
Aroclor-1242-1	(1)	34530888	35835835	38265986	39688008	36986960	37061535	5
Aroclor-1242-2	(2)	53812431	57030873	58285280	60713132	56990340	57366411	4
Aroclor-1242-3	(3)	33081940	34635303	35614556	36593920	32098720	34404888	5
Aroclor-1242-4	(4)	27124048	28554160	29011970	30535176	28553820	28755835	4
Aroclor-1242-5	(5)	28568682	30265879	31460328	34073560	32548420	31383374	7
Decachlorobiphenyl		1057852260	1096409133	1155210300	1246587680	1198216600	1150855195	7
Tetrachloro-m-xylene		1394590290	1447491667	1467964440	1549944240	1381835600	1448365247	5
Aroclor-1248-1	(1)	26695957	28363937	29113116	30696272	32268960	29427648	7
Aroclor-1248-2	(2)	39758611	41635612	43966204	45812740	44431240	43120881	6
Aroclor-1248-3	(3)	43369699	45590668	48109160	50175608	48642380	47177503	6
Aroclor-1248-4	(4)	48885695	51390620	54733604	57272840	56221120	53700776	7
Aroclor-1248-5	(5)	48278095	50482795	53357482	55918364	52049580	52017263	6
Decachlorobiphenyl		1066892850	1123847293	1166223560	1225696720	1209265600	1158385205	6
Tetrachloro-m-xylene		1361089130	1427544907	1477014820	1525467280	1364872200	1431197667	5
Aroclor-1254-1	(1)	49172649	49533699	53610608	58077532	55866960	53252290	7
Aroclor-1254-2	(2)	74069643	77837235	82015762	86380616	86228260	81306303	7
Aroclor-1254-3	(3)	74567235	77904277	81251544	85540744	83625320	80577824	5
Aroclor-1254-4	(4)	56677692	58857921	61471660	64793644	62695060	60899195	5
Aroclor-1254-5	(5)	58716523	62776568	66462096	67494376	64118280	63913569	5
Decachlorobiphenyl		1066838960	1102446147	1164362860	1216202280	1160296800	1142029409	5
Tetrachloro-m-xylene		1365775780	1425990440	1463637820	1512114920	1328566000	1419216992	5
Aroclor-1268-1	(1)	171965956	177687748	186682010	194675404	192886820	184779588	5

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	154222187	158538831	166288358	172425976	164689060	163232882	4
Aroclor-1268-3	(3)	132497790	136244848	143110640	148784080	145166140	141160700	5
Aroclor-1268-4	(4)	52619884	54911151	57926548	58342576	54828300	55725692	4
Aroclor-1268-5	(5)	378200294	382944067	400675634	416373980	405222020	396683199	4
Decachlorobiphenyl		1745780270	1802805640	1904368380	1971078840	1937468800	1872300386	5
Tetrachloro-m-xylene		1365175360	1389613933	1450454560	1456482120	1340302600	1400405715	4

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Instrument ID: ECD_P

Calibration Date(s): 01/06/2025 01/07/2025

Calibration Times: 19:57 03:16

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

LAB FILE ID:		CF 1000 = <u>PP068915.D</u>		CF 750 = <u>PP068916.D</u>			
CF 500 = <u>PP068917.D</u>		CF 250 = <u>PP068918.D</u>		CF 050 = <u>PP068919.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	29491720	31871205	35002460	37188936	35609200	33832704
Aroclor-1016-2	(2)	43905696	46895139	51079918	59834124	49947760	50332527
Aroclor-1016-3	(3)	24591042	26218015	28467334	29753780	26453500	27096734
Aroclor-1016-4	(4)	21752440	23319543	25647084	27056044	25429040	24640830
Aroclor-1016-5	(5)	26864500	28975405	32107876	32642752	30388580	30195823
Aroclor-1260-1	(1)	50390605	53012508	58700244	62769480	61600300	57294627
Aroclor-1260-2	(2)	58350095	59819339	67189098	72555824	71470420	65876955
Aroclor-1260-3	(3)	56856247	58933307	66166408	70041080	69921440	64383696
Aroclor-1260-4	(4)	50536167	50055928	57211992	62777372	59480660	56012424
Aroclor-1260-5	(5)	113748686	110133253	122878600	134950020	132356860	122813484
Decachlorobiphenyl		1055952250	1078345120	1181870400	1328006000	1362385800	1201311914
Tetrachloro-m-xylene		921448750	960676413	1002945440	1051065280	944696000	976166377
Aroclor-1242-1	(1)	25904769	27693345	29421300	31654716	32061380	29347102
Aroclor-1242-2	(2)	38827344	40647475	42253498	45564736	43218900	42102391
Aroclor-1242-3	(3)	21506578	22670196	23486094	24288540	24384700	23267222
Aroclor-1242-4	(4)	22209738	23492983	24690230	25684072	25766040	24368613
Aroclor-1242-5	(5)	26270830	28162075	29282028	30515800	30936940	29033535
Decachlorobiphenyl		1065489030	1201310467	1161897160	1288078080	1369157600	1217186467
Tetrachloro-m-xylene		958809120	1008718787	1019527140	1074481240	990259000	1010359057
Aroclor-1248-1	(1)	20093138	22105341	23598424	24146056	25052820	22999156
Aroclor-1248-2	(2)	29632170	32533207	34508544	36839176	37195000	34141619
Aroclor-1248-3	(3)	31007140	33988465	35908688	37877684	37882320	35332859
Aroclor-1248-4	(4)	36296413	39507735	41759214	44484412	43761000	41161755
Aroclor-1248-5	(5)	34689161	38121964	39504132	41178700	39937060	38686203
Decachlorobiphenyl		1094465140	1151641293	1242326740	1360729280	1293380600	1228508611
Tetrachloro-m-xylene		941029690	986176773	1020381960	1054278600	985643400	997502085
Aroclor-1254-1	(1)	54013826	55348175	60179124	66113132	65004480	60131747
Aroclor-1254-2	(2)	47307501	48908441	53313688	59053240	58911200	53498814
Aroclor-1254-3	(3)	74830722	75469891	83014460	89549424	88739340	82320767
Aroclor-1254-4	(4)	41013798	41461259	45272902	49531452	47721160	45000114
Aroclor-1254-5	(5)	68187162	69945763	75883524	79998908	79038140	74610699
Decachlorobiphenyl		1087096440	1107415987	1209539480	1317992920	1429766000	1230362165
Tetrachloro-m-xylene		1009511300	1003719773	1056322440	1076595560	991234800	1027476775
Aroclor-1268-1	(1)	148439751	158177365	166475976	163027408	175252540	162274608

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137898942	145673481	153326760	149568992	153368500	147967335	4
Aroclor-1268-3	(3)	122316439	129783148	136690276	135543656	139957980	132858300	5
Aroclor-1268-4	(4)	50957332	53350585	56471448	56057256	49474280	53262180	6
Aroclor-1268-5	(5)	371642320	386230217	400122764	389095000	402465320	389911124	3
Decachlorobiphenyl		1815118270	1907478640	2025499340	2052352080	2187263600	1997542386	7
Tetrachloro-m-xylene		980182400	966201333	1012184220	1043386960	1003939400	1001178863	3

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Instrument ID: ECD_P Date(s) Analyzed: 01/06/2025 01/07/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.87	4.77	4.97	17785200
		2	4.96	4.86	5.06	12871900
		3	5.04	4.94	5.14	38767800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.04	4.94	5.14	29682400
		2	5.57	5.47	5.67	16809200
		3	5.86	5.76	5.96	31337200
		4	6.02	5.92	6.12	15643200
		5	6.11	6.01	6.21	12044900
Aroclor-1262	500	1	8.28	8.18	8.38	79133000
		2	8.62	8.52	8.72	144417000
		3	8.95	8.85	9.05	102560000
		4	9.04	8.94	9.14	83101200
		5	9.72	9.62	9.82	50821400

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Instrument ID: ECD_P Date(s) Analyzed: 01/06/2025 01/07/2025

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.20	4.10	4.30	13491500
		2	4.29	4.19	4.39	10378200
		3	4.36	4.26	4.46	31049200
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.36	4.26	4.46	24630800
		2	5.10	5.00	5.20	23918600
		3	5.28	5.18	5.38	12560200
		4	5.37	5.27	5.47	11992000
		5	5.54	5.44	5.64	12836200
Aroclor-1262	500	1	7.14	7.04	7.24	79852400
		2	7.40	7.30	7.50	69928200
		3	7.93	7.83	8.03	57593000
		4	7.99	7.89	8.09	100831000
		5	8.51	8.41	8.61	48819800

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/13/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 08:43 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-2	(2)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-3	(3)	5.91	5.92	5.82	6.02	0.01
Aroclor-1016-4	(4)	6.01	6.02	5.92	6.12	0.01
Aroclor-1016-5	(5)	6.31	6.31	6.21	6.41	0.00
Aroclor-1260-1	(1)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-2	(2)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-3	(3)	8.04	8.05	7.95	8.15	0.01
Aroclor-1260-4	(4)	8.28	8.28	8.18	8.38	0.01
Aroclor-1260-5	(5)	8.61	8.61	8.51	8.71	0.00
Tetrachloro-m-xylene		4.67	4.67	4.57	4.77	0.00
Decachlorobiphenyl		10.52	10.52	10.42	10.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/13/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 08:43 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-2	(2)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-3	(3)	5.28	5.28	5.18	5.38	0.00
Aroclor-1016-4	(4)	5.32	5.32	5.22	5.42	0.00
Aroclor-1016-5	(5)	5.54	5.54	5.44	5.64	0.00
Aroclor-1260-1	(1)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-2	(2)	6.77	6.77	6.67	6.87	0.01
Aroclor-1260-3	(3)	6.92	6.93	6.83	7.03	0.01
Aroclor-1260-4	(4)	7.40	7.40	7.30	7.50	0.01
Aroclor-1260-5	(5)	7.63	7.64	7.54	7.74	0.01
Tetrachloro-m-xylene		3.98	3.98	3.88	4.08	0.00
Decachlorobiphenyl		9.10	9.11	9.01	9.21	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL01 Date Analyzed: 01/13/2025

Lab Sample No.: AR1660CCC500 Data File : PP069070.D Time Analyzed: 08:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.829	5.732	5.932	457.050	500.000	-8.6
Aroclor-1016-2	5.852	5.754	5.954	466.230	500.000	-6.8
Aroclor-1016-3	5.914	5.818	6.018	444.130	500.000	-11.2
Aroclor-1016-4	6.012	5.916	6.116	443.710	500.000	-11.3
Aroclor-1016-5	6.307	6.210	6.410	443.670	500.000	-11.3
Aroclor-1260-1	7.429	7.333	7.533	429.220	500.000	-14.2
Aroclor-1260-2	7.682	7.587	7.787	447.600	500.000	-10.5
Aroclor-1260-3	8.042	7.947	8.147	439.650	500.000	-12.1
Aroclor-1260-4	8.275	8.180	8.380	433.410	500.000	-13.3
Aroclor-1260-5	8.606	8.513	8.713	458.940	500.000	-8.2
Decachlorobiphenyl	10.515	10.424	10.624	42.770	50.000	-14.5
Tetrachloro-m-xylene	4.669	4.572	4.772	48.130	50.000	-3.7

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL01 Date Analyzed: 01/13/2025

Lab Sample No.: AR1660CCC500 Data File : PP069070.D Time Analyzed: 08:43

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.080	4.985	5.185	490.400	500.000	-1.9
Aroclor-1016-2	5.100	5.004	5.204	470.090	500.000	-6.0
Aroclor-1016-3	5.279	5.184	5.384	491.300	500.000	-1.7
Aroclor-1016-4	5.319	5.224	5.424	472.040	500.000	-5.6
Aroclor-1016-5	5.537	5.442	5.642	471.610	500.000	-5.7
Aroclor-1260-1	6.578	6.484	6.684	444.560	500.000	-11.1
Aroclor-1260-2	6.765	6.672	6.872	454.750	500.000	-9.1
Aroclor-1260-3	6.921	6.828	7.028	439.100	500.000	-12.2
Aroclor-1260-4	7.395	7.302	7.502	434.160	500.000	-13.2
Aroclor-1260-5	7.634	7.541	7.741	444.140	500.000	-11.2
Decachlorobiphenyl	9.101	9.011	9.211	42.450	50.000	-15.1
Tetrachloro-m-xylene	3.980	3.883	4.083	49.630	50.000	-0.7

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/13/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 14:06 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-2	(2)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-3	(3)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-4	(4)	6.01	6.02	5.92	6.12	0.01
Aroclor-1016-5	(5)	6.31	6.31	6.21	6.41	0.00
Aroclor-1260-1	(1)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-2	(2)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-3	(3)	8.04	8.05	7.95	8.15	0.01
Aroclor-1260-4	(4)	8.28	8.28	8.18	8.38	0.00
Aroclor-1260-5	(5)	8.61	8.61	8.51	8.71	0.00
Tetrachloro-m-xylene		4.67	4.67	4.57	4.77	0.00
Decachlorobiphenyl		10.52	10.52	10.42	10.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/13/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 14:06 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-2	(2)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-3	(3)	5.28	5.28	5.18	5.38	0.00
Aroclor-1016-4	(4)	5.32	5.32	5.22	5.42	0.00
Aroclor-1016-5	(5)	5.54	5.54	5.44	5.64	0.00
Aroclor-1260-1	(1)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-2	(2)	6.77	6.77	6.67	6.87	0.00
Aroclor-1260-3	(3)	6.92	6.93	6.83	7.03	0.01
Aroclor-1260-4	(4)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-5	(5)	7.64	7.64	7.54	7.74	0.00
Tetrachloro-m-xylene		3.98	3.98	3.88	4.08	0.00
Decachlorobiphenyl		9.11	9.11	9.01	9.21	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL02 Date Analyzed: 01/13/2025

Lab Sample No.: AR1660CCC500 Data File : PP069084.D Time Analyzed: 14:06

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.831	5.732	5.932	462.450	500.000	-7.5
Aroclor-1016-2	5.853	5.754	5.954	468.150	500.000	-6.4
Aroclor-1016-3	5.916	5.818	6.018	446.190	500.000	-10.8
Aroclor-1016-4	6.014	5.916	6.116	447.590	500.000	-10.5
Aroclor-1016-5	6.307	6.210	6.410	446.160	500.000	-10.8
Aroclor-1260-1	7.430	7.333	7.533	435.620	500.000	-12.9
Aroclor-1260-2	7.684	7.587	7.787	452.190	500.000	-9.6
Aroclor-1260-3	8.044	7.947	8.147	441.540	500.000	-11.7
Aroclor-1260-4	8.276	8.180	8.380	441.260	500.000	-11.7
Aroclor-1260-5	8.609	8.513	8.713	459.450	500.000	-8.1
Decachlorobiphenyl	10.517	10.424	10.624	43.490	50.000	-13.0
Tetrachloro-m-xylene	4.670	4.572	4.772	48.350	50.000	-3.3

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL02 Date Analyzed: 01/13/2025

Lab Sample No.: AR1660CCC500 Data File : PP069084.D Time Analyzed: 14:06

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.083	4.985	5.185	482.760	500.000	-3.4
Aroclor-1016-2	5.102	5.004	5.204	466.190	500.000	-6.8
Aroclor-1016-3	5.282	5.184	5.384	479.590	500.000	-4.1
Aroclor-1016-4	5.321	5.224	5.424	459.170	500.000	-8.2
Aroclor-1016-5	5.539	5.442	5.642	460.090	500.000	-8.0
Aroclor-1260-1	6.580	6.484	6.684	443.550	500.000	-11.3
Aroclor-1260-2	6.768	6.672	6.872	457.970	500.000	-8.4
Aroclor-1260-3	6.924	6.828	7.028	439.710	500.000	-12.1
Aroclor-1260-4	7.399	7.302	7.502	430.540	500.000	-13.9
Aroclor-1260-5	7.637	7.541	7.741	439.440	500.000	-12.1
Decachlorobiphenyl	9.105	9.011	9.211	42.960	50.000	-14.1
Tetrachloro-m-xylene	3.982	3.883	4.083	48.550	50.000	-2.9

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/14/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 08:37 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-2	(2)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-3	(3)	5.92	5.92	5.82	6.02	0.01
Aroclor-1016-4	(4)	6.01	6.02	5.92	6.12	0.01
Aroclor-1016-5	(5)	6.31	6.31	6.21	6.41	0.00
Aroclor-1260-1	(1)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-2	(2)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-3	(3)	8.04	8.05	7.95	8.15	0.01
Aroclor-1260-4	(4)	8.28	8.28	8.18	8.38	0.00
Aroclor-1260-5	(5)	8.61	8.61	8.51	8.71	0.00
Tetrachloro-m-xylene		4.67	4.67	4.57	4.77	0.00
Decachlorobiphenyl		10.52	10.52	10.42	10.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/14/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 08:37 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-2	(2)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-3	(3)	5.28	5.28	5.18	5.38	0.00
Aroclor-1016-4	(4)	5.32	5.32	5.22	5.42	0.00
Aroclor-1016-5	(5)	5.54	5.54	5.44	5.64	0.00
Aroclor-1260-1	(1)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-2	(2)	6.77	6.77	6.67	6.87	0.01
Aroclor-1260-3	(3)	6.92	6.93	6.83	7.03	0.01
Aroclor-1260-4	(4)	7.40	7.40	7.30	7.50	0.01
Aroclor-1260-5	(5)	7.63	7.64	7.54	7.74	0.01
Tetrachloro-m-xylene		3.98	3.98	3.88	4.08	0.00
Decachlorobiphenyl		9.10	9.11	9.01	9.21	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL03 Date Analyzed: 01/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP069104.D Time Analyzed: 08:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.830	5.732	5.932	467.670	500.000	-6.5
Aroclor-1016-2	5.852	5.754	5.954	487.180	500.000	-2.6
Aroclor-1016-3	5.915	5.818	6.018	472.270	500.000	-5.5
Aroclor-1016-4	6.013	5.916	6.116	469.660	500.000	-6.1
Aroclor-1016-5	6.307	6.210	6.410	469.370	500.000	-6.1
Aroclor-1260-1	7.430	7.333	7.533	450.250	500.000	-10.0
Aroclor-1260-2	7.684	7.587	7.787	466.880	500.000	-6.6
Aroclor-1260-3	8.043	7.947	8.147	457.860	500.000	-8.4
Aroclor-1260-4	8.276	8.180	8.380	455.180	500.000	-9.0
Aroclor-1260-5	8.607	8.513	8.713	474.780	500.000	-5.0
Decachlorobiphenyl	10.515	10.424	10.624	44.680	50.000	-10.6
Tetrachloro-m-xylene	4.670	4.572	4.772	49.610	50.000	-0.8

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL03 Date Analyzed: 01/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP069104.D Time Analyzed: 08:37

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.080	4.985	5.185	503.810	500.000	0.8
Aroclor-1016-2	5.099	5.004	5.204	487.740	500.000	-2.5
Aroclor-1016-3	5.278	5.184	5.384	504.930	500.000	1.0
Aroclor-1016-4	5.318	5.224	5.424	484.070	500.000	-3.2
Aroclor-1016-5	5.536	5.442	5.642	492.090	500.000	-1.6
Aroclor-1260-1	6.577	6.484	6.684	455.070	500.000	-9.0
Aroclor-1260-2	6.765	6.672	6.872	463.400	500.000	-7.3
Aroclor-1260-3	6.921	6.828	7.028	447.620	500.000	-10.5
Aroclor-1260-4	7.395	7.302	7.502	453.820	500.000	-9.2
Aroclor-1260-5	7.634	7.541	7.741	463.570	500.000	-7.3
Decachlorobiphenyl	9.101	9.011	9.211	46.610	50.000	-6.8
Tetrachloro-m-xylene	3.980	3.883	4.083	48.980	50.000	-2.0

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/14/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 13:55 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.83	5.83	5.73	5.93	0.00
Aroclor-1016-2	(2)	5.85	5.85	5.75	5.95	0.00
Aroclor-1016-3	(3)	5.92	5.92	5.82	6.02	0.01
Aroclor-1016-4	(4)	6.01	6.02	5.92	6.12	0.01
Aroclor-1016-5	(5)	6.31	6.31	6.21	6.41	0.00
Aroclor-1260-1	(1)	7.43	7.43	7.33	7.53	0.00
Aroclor-1260-2	(2)	7.68	7.69	7.59	7.79	0.01
Aroclor-1260-3	(3)	8.04	8.05	7.95	8.15	0.01
Aroclor-1260-4	(4)	8.28	8.28	8.18	8.38	0.01
Aroclor-1260-5	(5)	8.61	8.61	8.51	8.71	0.00
Tetrachloro-m-xylene		4.67	4.67	4.57	4.77	0.00
Decachlorobiphenyl		10.52	10.52	10.42	10.62	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

Continuing Calib Date: 01/14/2025 Initial Calibration Date(s): 01/06/2025 01/07/2025

Continuing Calib Time: 13:55 Initial Calibration Time(s): 19:57 03:16

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.08	5.09	4.99	5.19	0.01
Aroclor-1016-2	(2)	5.10	5.10	5.00	5.20	0.00
Aroclor-1016-3	(3)	5.28	5.28	5.18	5.38	0.00
Aroclor-1016-4	(4)	5.32	5.32	5.22	5.42	0.00
Aroclor-1016-5	(5)	5.54	5.54	5.44	5.64	0.00
Aroclor-1260-1	(1)	6.58	6.58	6.48	6.68	0.00
Aroclor-1260-2	(2)	6.77	6.77	6.67	6.87	0.00
Aroclor-1260-3	(3)	6.92	6.93	6.83	7.03	0.01
Aroclor-1260-4	(4)	7.40	7.40	7.30	7.50	0.00
Aroclor-1260-5	(5)	7.64	7.64	7.54	7.74	0.00
Tetrachloro-m-xylene		3.98	3.98	3.88	4.08	0.00
Decachlorobiphenyl		9.10	9.11	9.01	9.21	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL04 Date Analyzed: 01/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP069117.D Time Analyzed: 13:55

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.830	5.732	5.932	452.510	500.000	-9.5
Aroclor-1016-2	5.852	5.754	5.954	461.550	500.000	-7.7
Aroclor-1016-3	5.915	5.818	6.018	441.410	500.000	-11.7
Aroclor-1016-4	6.013	5.916	6.116	437.800	500.000	-12.4
Aroclor-1016-5	6.307	6.210	6.410	436.790	500.000	-12.6
Aroclor-1260-1	7.430	7.333	7.533	440.090	500.000	-12.0
Aroclor-1260-2	7.683	7.587	7.787	459.010	500.000	-8.2
Aroclor-1260-3	8.043	7.947	8.147	441.980	500.000	-11.6
Aroclor-1260-4	8.275	8.180	8.380	438.550	500.000	-12.3
Aroclor-1260-5	8.607	8.513	8.713	460.740	500.000	-7.9
Decachlorobiphenyl	10.515	10.424	10.624	42.870	50.000	-14.3
Tetrachloro-m-xylene	4.670	4.572	4.772	48.730	50.000	-2.5

CALIBRATION VERIFICATION SUMMARY

Contract: TETR06

Lab Code: CHEM Case No.: Q1069 SAS No.: Q1069 SDG NO.: Q1069

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 01/06/2025 01/06/2025

Client Sample No.: CCAL04 Date Analyzed: 01/14/2025

Lab Sample No.: AR1660CCC500 Data File : PP069117.D Time Analyzed: 13:55

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.081	4.985	5.185	487.420	500.000	-2.5
Aroclor-1016-2	5.100	5.004	5.204	464.680	500.000	-7.1
Aroclor-1016-3	5.280	5.184	5.384	502.060	500.000	0.4
Aroclor-1016-4	5.320	5.224	5.424	474.000	500.000	-5.2
Aroclor-1016-5	5.537	5.442	5.642	474.230	500.000	-5.2
Aroclor-1260-1	6.579	6.484	6.684	426.030	500.000	-14.8
Aroclor-1260-2	6.766	6.672	6.872	436.680	500.000	-12.7
Aroclor-1260-3	6.923	6.828	7.028	434.020	500.000	-13.2
Aroclor-1260-4	7.396	7.302	7.502	421.640	500.000	-15.7
Aroclor-1260-5	7.636	7.541	7.741	434.450	500.000	-13.1
Decachlorobiphenyl	9.104	9.011	9.211	44.830	50.000	-10.3
Tetrachloro-m-xylene	3.981	3.883	4.083	48.100	50.000	-3.8

Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q1069
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_P
GC Column: ZB-MR1	ID: 0.32 (mm) Inst. Calib. Date(s): 01/06/2025 01/06/2025

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	01/06/2025	19:41	PP068914.D	10.52	4.67
AR1660ICC1000	AR1660ICC1000	01/06/2025	19:57	PP068915.D	10.52	4.67
AR1660ICC750	AR1660ICC750	01/06/2025	20:13	PP068916.D	10.53	4.67
AR1660ICC500	AR1660ICC500	01/06/2025	20:30	PP068917.D	10.52	4.67
AR1660ICC250	AR1660ICC250	01/06/2025	20:46	PP068918.D	10.52	4.67
AR1660ICC050	AR1660ICC050	01/06/2025	21:02	PP068919.D	10.53	4.67
AR1221ICC500	AR1221ICC500	01/06/2025	21:19	PP068920.D	10.53	4.67
AR1232ICC500	AR1232ICC500	01/06/2025	21:35	PP068921.D	10.52	4.67
AR1242ICC1000	AR1242ICC1000	01/06/2025	21:51	PP068922.D	10.53	4.67
AR1242ICC750	AR1242ICC750	01/06/2025	22:07	PP068923.D	10.52	4.67
AR1242ICC500	AR1242ICC500	01/06/2025	22:24	PP068924.D	10.53	4.67
AR1242ICC250	AR1242ICC250	01/06/2025	22:40	PP068925.D	10.53	4.67
AR1242ICC050	AR1242ICC050	01/06/2025	22:56	PP068926.D	10.53	4.67
AR1248ICC1000	AR1248ICC1000	01/06/2025	23:12	PP068927.D	10.52	4.67
AR1248ICC750	AR1248ICC750	01/06/2025	23:29	PP068928.D	10.52	4.67
AR1248ICC500	AR1248ICC500	01/06/2025	23:45	PP068929.D	10.53	4.67
AR1248ICC250	AR1248ICC250	01/07/2025	00:01	PP068930.D	10.52	4.67
AR1248ICC050	AR1248ICC050	01/07/2025	00:17	PP068931.D	10.53	4.68
AR1254ICC1000	AR1254ICC1000	01/07/2025	00:34	PP068932.D	10.52	4.67
AR1254ICC750	AR1254ICC750	01/07/2025	00:50	PP068933.D	10.52	4.67
AR1254ICC500	AR1254ICC500	01/07/2025	01:06	PP068934.D	10.52	4.67
AR1254ICC250	AR1254ICC250	01/07/2025	01:22	PP068935.D	10.52	4.67
AR1254ICC050	AR1254ICC050	01/07/2025	01:39	PP068936.D	10.53	4.67
AR1262ICC500	AR1262ICC500	01/07/2025	01:55	PP068937.D	10.53	4.68
AR1268ICC1000	AR1268ICC1000	01/07/2025	02:11	PP068938.D	10.53	4.67
AR1268ICC750	AR1268ICC750	01/07/2025	02:27	PP068939.D	10.52	4.67
AR1268ICC500	AR1268ICC500	01/07/2025	02:44	PP068940.D	10.53	4.68
AR1268ICC250	AR1268ICC250	01/07/2025	03:00	PP068941.D	10.53	4.67
AR1268ICC050	AR1268ICC050	01/07/2025	03:16	PP068942.D	10.53	4.67
AR1660CCC500	AR1660CCC500	01/13/2025	08:43	PP069070.D	10.52	4.67
IBLK	IBLK	01/13/2025	09:48	PP069074.D	10.51	4.67
PB166030BL	PB166030BL	01/13/2025	11:23	PP069075.D	10.52	4.67
PB166030BS	PB166030BS	01/13/2025	11:39	PP069076.D	10.52	4.67
TR-06-1-10-2025MS	Q1068-01MS	01/13/2025	12:44	PP069080.D	10.52	4.67
TR-06-1-10-2025MSD	Q1068-01MSD	01/13/2025	13:00	PP069081.D	10.52	4.67
AR1660CCC500	AR1660CCC500	01/13/2025	14:06	PP069084.D	10.52	4.67
IBLK	IBLK	01/13/2025	15:43	PP069088.D	10.52	4.67
AR1660CCC500	AR1660CCC500	01/14/2025	08:37	PP069104.D	10.52	4.67
IBLK	IBLK	01/14/2025	09:42	PP069108.D	10.52	4.67
RW7B-CARBON-20250109	Q1069-01	01/14/2025	10:24	PP069109.D	10.52	4.67
AR1660CCC500	AR1660CCC500	01/14/2025	13:55	PP069117.D	10.52	4.67
IBLK	IBLK	01/14/2025	15:00	PP069121.D	10.52	4.67

Analytical Sequence

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Analytical Sequence

Client: Tetra Tech NUS, Inc.	SDG No.: Q1069	
Project: NWIRP Bethpage 112G08005-WE13	Instrument ID: ECD_P	
GC Column: ZB-MR2	ID: 0.32 (mm)	Inst. Calib. Date(s): 01/06/2025 01/06/2025

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	01/06/2025	19:41	PP068914.D	9.11	3.98
AR1660ICC1000	AR1660ICC1000	01/06/2025	19:57	PP068915.D	9.11	3.98
AR1660ICC750	AR1660ICC750	01/06/2025	20:13	PP068916.D	9.11	3.98
AR1660ICC500	AR1660ICC500	01/06/2025	20:30	PP068917.D	9.11	3.98
AR1660ICC250	AR1660ICC250	01/06/2025	20:46	PP068918.D	9.11	3.98
AR1660ICC050	AR1660ICC050	01/06/2025	21:02	PP068919.D	9.11	3.98
AR1221ICC500	AR1221ICC500	01/06/2025	21:19	PP068920.D	9.11	3.98
AR1232ICC500	AR1232ICC500	01/06/2025	21:35	PP068921.D	9.11	3.98
AR1242ICC1000	AR1242ICC1000	01/06/2025	21:51	PP068922.D	9.11	3.98
AR1242ICC750	AR1242ICC750	01/06/2025	22:07	PP068923.D	9.11	3.98
AR1242ICC500	AR1242ICC500	01/06/2025	22:24	PP068924.D	9.11	3.98
AR1242ICC250	AR1242ICC250	01/06/2025	22:40	PP068925.D	9.11	3.98
AR1242ICC050	AR1242ICC050	01/06/2025	22:56	PP068926.D	9.11	3.98
AR1248ICC1000	AR1248ICC1000	01/06/2025	23:12	PP068927.D	9.11	3.98
AR1248ICC750	AR1248ICC750	01/06/2025	23:29	PP068928.D	9.11	3.98
AR1248ICC500	AR1248ICC500	01/06/2025	23:45	PP068929.D	9.11	3.98
AR1248ICC250	AR1248ICC250	01/07/2025	00:01	PP068930.D	9.11	3.98
AR1248ICC050	AR1248ICC050	01/07/2025	00:17	PP068931.D	9.11	3.98
AR1254ICC1000	AR1254ICC1000	01/07/2025	00:34	PP068932.D	9.11	3.98
AR1254ICC750	AR1254ICC750	01/07/2025	00:50	PP068933.D	9.11	3.98
AR1254ICC500	AR1254ICC500	01/07/2025	01:06	PP068934.D	9.11	3.98
AR1254ICC250	AR1254ICC250	01/07/2025	01:22	PP068935.D	9.11	3.98
AR1254ICC050	AR1254ICC050	01/07/2025	01:39	PP068936.D	9.11	3.98
AR1262ICC500	AR1262ICC500	01/07/2025	01:55	PP068937.D	9.11	3.98
AR1268ICC1000	AR1268ICC1000	01/07/2025	02:11	PP068938.D	9.11	3.98
AR1268ICC750	AR1268ICC750	01/07/2025	02:27	PP068939.D	9.11	3.99
AR1268ICC500	AR1268ICC500	01/07/2025	02:44	PP068940.D	9.11	3.98
AR1268ICC250	AR1268ICC250	01/07/2025	03:00	PP068941.D	9.11	3.99
AR1268ICC050	AR1268ICC050	01/07/2025	03:16	PP068942.D	9.11	3.99
AR1660CCC500	AR1660CCC500	01/13/2025	08:43	PP069070.D	9.10	3.98
IBLK	IBLK	01/13/2025	09:48	PP069074.D	9.10	3.98
PB166030BL	PB166030BL	01/13/2025	11:23	PP069075.D	9.11	3.98
PB166030BS	PB166030BS	01/13/2025	11:39	PP069076.D	9.11	3.98
TR-06-1-10-2025MS	Q1068-01MS	01/13/2025	12:44	PP069080.D	9.10	3.98
TR-06-1-10-2025MSD	Q1068-01MSD	01/13/2025	13:00	PP069081.D	9.10	3.98
AR1660CCC500	AR1660CCC500	01/13/2025	14:06	PP069084.D	9.11	3.98
IBLK	IBLK	01/13/2025	15:43	PP069088.D	9.11	3.98
AR1660CCC500	AR1660CCC500	01/14/2025	08:37	PP069104.D	9.10	3.98
IBLK	IBLK	01/14/2025	09:42	PP069108.D	9.10	3.98
RW7B-CARBON-20250109	Q1069-01	01/14/2025	10:24	PP069109.D	9.10	3.98
AR1660CCC500	AR1660CCC500	01/14/2025	13:55	PP069117.D	9.10	3.98
IBLK	IBLK	01/14/2025	15:00	PP069121.D	9.10	3.98

Analytical Sequence

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QC SAMPLE DATA

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166030BL		SDG No.:	Q1069	
Lab Sample ID:	PB166030BL		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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069075.D	1	01/13/25 08:10	01/13/25 11:23	PB166030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	8.30	U	3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	8.30	U	2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	19.1		44 - 130		96%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.4		60 - 125		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:	01/06/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/06/25	
Client Sample ID:	PIBLK-PP068914.D		SDG No.:	Q1069	
Lab Sample ID:	I.BLK-PP068914.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
PP068914.D	1		01/06/25	PP010625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	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	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.4		60 - 140		107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.9		60 - 140		115%	SPK: 20

Comments:

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* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/13/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/13/25	
Client Sample ID:	PIBLK-PP069074.D		SDG No.:	Q1069	
Lab Sample ID:	I.BLK-PP069074.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
PP069074.D	1		01/13/25	PP011325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	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	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.8		60 - 140		104%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.4		60 - 140		102%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

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:	01/13/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/13/25	
Client Sample ID:	PIBLK-PP069088.D		SDG No.:	Q1069	
Lab Sample ID:	I.BLK-PP069088.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
PP069088.D	1		01/13/25	PP011325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	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	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140		105%	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 NUS, Inc.		Date Collected:	01/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/14/25	
Client Sample ID:	PIBLK-PP069108.D		SDG No.:	Q1069	
Lab Sample ID:	I.BLK-PP069108.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
PP069108.D	1		01/14/25	PP011425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	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	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	21.1		60 - 140		105%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.8		60 - 140		104%	SPK: 20

Comments:

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LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

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:	01/14/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/14/25	
Client Sample ID:	PIBLK-PP069121.D		SDG No.:	Q1069	
Lab Sample ID:	I.BLK-PP069121.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
PP069121.D	1		01/14/25	PP011425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
12674-11-2	Aroclor-1016	0.40	U	0.15	0.40	0.50	ug/L
11104-28-2	Aroclor-1221	0.40	U	0.23	0.40	0.50	ug/L
11141-16-5	Aroclor-1232	0.40	U	0.37	0.40	0.50	ug/L
53469-21-9	Aroclor-1242	0.40	U	0.16	0.40	0.50	ug/L
12672-29-6	Aroclor-1248	0.40	U	0.12	0.40	0.50	ug/L
11097-69-1	Aroclor-1254	0.40	U	0.11	0.40	0.50	ug/L
11096-82-5	Aroclor-1260	0.40	U	0.15	0.40	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	0.40	U	0.12	0.40	0.50	ug/L
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.8		60 - 140		104%	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

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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

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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:		
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:		
Client Sample ID:	PB166030BS		SDG No.:	Q1069	
Lab Sample ID:	PB166030BS		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	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069076.D	1	01/13/25 08:10	01/13/25 11:39	PB166030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	149		3.40	8.30	17.0	ug/kg
11104-28-2	Aroclor-1221	13.0	U	6.40	13.0	17.0	ug/kg
11141-16-5	Aroclor-1232	13.0	U	3.40	13.0	17.0	ug/kg
53469-21-9	Aroclor-1242	8.30	U	3.40	8.30	17.0	ug/kg
12672-29-6	Aroclor-1248	13.0	U	7.90	13.0	17.0	ug/kg
11097-69-1	Aroclor-1254	13.0	U	2.70	13.0	17.0	ug/kg
37324-23-5	Aroclor-1262	8.30	U	4.60	8.30	17.0	ug/kg
11100-14-4	Aroclor-1268	13.0	U	3.40	13.0	17.0	ug/kg
11096-82-5	Aroclor-1260	138		2.90	8.30	17.0	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	20.1		44 - 130		101%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.9		60 - 125		100%	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.

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Report of Analysis

Client:	Tetra Tech NUS, Inc.		Date Collected:	01/10/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/10/25	
Client Sample ID:	TR-06-1-10-2025MS		SDG No.:	Q1069	
Lab Sample ID:	Q1068-01MS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	90.5	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069080.D	1	01/13/25 08:10	01/13/25 12:44	PB166030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	175		3.70	9.20	18.8	ug/kg
11104-28-2	Aroclor-1221	14.4	U	7.10	14.4	18.8	ug/kg
11141-16-5	Aroclor-1232	14.4	U	3.80	14.4	18.8	ug/kg
53469-21-9	Aroclor-1242	9.20	U	3.70	9.20	18.8	ug/kg
12672-29-6	Aroclor-1248	14.4	U	8.70	14.4	18.8	ug/kg
11097-69-1	Aroclor-1254	14.4	U	3.00	14.4	18.8	ug/kg
37324-23-5	Aroclor-1262	9.20	U	5.00	9.20	18.8	ug/kg
11100-14-4	Aroclor-1268	14.4	U	3.80	14.4	18.8	ug/kg
11096-82-5	Aroclor-1260	173		3.20	9.20	18.8	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.5		44 - 130		112%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.0		60 - 125		95%	SPK: 20

Comments:

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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

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:	01/10/25	
Project:	NWIRP Bethpage 112G08005-WE13		Date Received:	01/10/25	
Client Sample ID:	TR-06-1-10-2025MSD		SDG No.:	Q1069	
Lab Sample ID:	Q1068-01MSD		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	90.5	Decanted:
Sample Wt/Vol:	30.07	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP069081.D	1	01/13/25 08:10	01/13/25 13:00	PB166030

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
12674-11-2	Aroclor-1016	181		3.70	9.10	18.7	ug/kg
11104-28-2	Aroclor-1221	14.3	U	7.10	14.3	18.7	ug/kg
11141-16-5	Aroclor-1232	14.3	U	3.70	14.3	18.7	ug/kg
53469-21-9	Aroclor-1242	9.10	U	3.70	9.10	18.7	ug/kg
12672-29-6	Aroclor-1248	14.3	U	8.70	14.3	18.7	ug/kg
11097-69-1	Aroclor-1254	14.3	U	3.00	14.3	18.7	ug/kg
37324-23-5	Aroclor-1262	9.10	U	5.00	9.10	18.7	ug/kg
11100-14-4	Aroclor-1268	14.3	U	3.80	14.3	18.7	ug/kg
11096-82-5	Aroclor-1260	170		3.20	9.10	18.7	ug/kg
SURROGATES							
877-09-8	Tetrachloro-m-xylene	22.6		44 - 130		113%	SPK: 20
2051-24-3	Decachlorobiphenyl	19.3		60 - 125		97%	SPK: 20

Comments:

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