

LAB CHRONICLE

OrderID:	P4888	OrderDate:	11/15/2024 12:51:00 PM
Client:	BSI America Professional Services Inc.	Project:	PS 154 @ K154
Contact:	Alex Arrigo	Location:	M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4888-01	01A-01B-01C	CAULK	PCB Group1	8082A	11/18/24	11/19/24	11/19/24	11/15/24
P4888-02	02A-02B-02C	CAULK	PCB Group1	8082A	11/18/24	11/19/24	11/19/24	11/15/24

Hit Summary Sheet
SW-846

SDG No.: P4888

Order ID: P4888

Client: BSI America Professional Services Inc.

Project ID: PS 154 @ K154

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

Client ID :

Total Concentration: 0.000

A
B
C
D
E
F
G



SAMPLE DATA

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/18/24	
Project:	PS 154 @ K154		Date Received:	11/15/24	
Client Sample ID:	01A-01B-01C		SDG No.:	P4888	
Lab Sample ID:	P4888-01		Matrix:	CAULK	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	1.06	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068611.D	1	11/19/24 08:52	11/19/24 14:17	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.096	U	0.096	0.48	mg/Kg
11104-28-2	Aroclor-1221	0.18	U	0.18	0.48	mg/Kg
11141-16-5	Aroclor-1232	0.096	U	0.096	0.48	mg/Kg
53469-21-9	Aroclor-1242	0.096	U	0.096	0.48	mg/Kg
12672-29-6	Aroclor-1248	0.22	U	0.22	0.48	mg/Kg
11097-69-1	Aroclor-1254	0.077	U	0.077	0.48	mg/Kg
37324-23-5	Aroclor-1262	0.13	U	0.13	0.48	mg/Kg
11100-14-4	Aroclor-1268	0.097	U	0.097	0.48	mg/Kg
11096-82-5	Aroclor-1260	0.082	U	0.082	0.48	mg/Kg
Total PCBs	Total PCBs	0.22	U	0.22	0.48	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	22.4		32 - 144	112%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.2		32 - 175	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/18/24	
Project:	PS 154 @ K154		Date Received:	11/15/24	
Client Sample ID:	02A-02B-02C		SDG No.:	P4888	
Lab Sample ID:	P4888-02		Matrix:	CAULK	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	2.04	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068612.D	1	11/19/24 08:52	11/19/24 14:33	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.050	U	0.050	0.25	mg/Kg
11104-28-2	Aroclor-1221	0.094	U	0.094	0.25	mg/Kg
11141-16-5	Aroclor-1232	0.050	U	0.050	0.25	mg/Kg
53469-21-9	Aroclor-1242	0.050	U	0.050	0.25	mg/Kg
12672-29-6	Aroclor-1248	0.12	U	0.12	0.25	mg/Kg
11097-69-1	Aroclor-1254	0.040	U	0.040	0.25	mg/Kg
37324-23-5	Aroclor-1262	0.067	U	0.067	0.25	mg/Kg
11100-14-4	Aroclor-1268	0.050	U	0.050	0.25	mg/Kg
11096-82-5	Aroclor-1260	0.043	U	0.043	0.25	mg/Kg
Total PCBs	Total PCBs	0.12	U	0.12	0.25	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.4		32 - 144	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.6		32 - 175	108%	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.: **P4888**

Client: **BSI America Professional Services Inc.**

Analytical Method: **8082A**

Lab Sample ID	Client ID	Parameter	Column	Spike	Result	Rec	Qual	Limits	
								Low	High
I.BLK-PP068360.D	PIBLK-PP068360.D	Tetrachloro-m-xylene	1	20	21.0	105		60	140
		Decachlorobiphenyl	1	20	23.4	117		60	140
		Tetrachloro-m-xylene	2	20	21.6	108		60	140
		Decachlorobiphenyl	2	20	23.6	118		60	140
I.BLK-PP068606.D	PIBLK-PP068606.D	Tetrachloro-m-xylene	1	20	21.5	107		60	140
		Decachlorobiphenyl	1	20	22.1	111		60	140
		Tetrachloro-m-xylene	2	20	22.0	110		60	140
		Decachlorobiphenyl	2	20	22.2	111		60	140
PB165084BL	PB165084BL	Tetrachloro-m-xylene	1	20	20.5	102		32	144
		Decachlorobiphenyl	1	20	20.7	104		32	175
		Tetrachloro-m-xylene	2	20	20.2	101		32	144
		Decachlorobiphenyl	2	20	21.0	105		32	175
PB165084BS	PB165084BS	Tetrachloro-m-xylene	1	20	20.3	102		32	144
		Decachlorobiphenyl	1	20	20.5	102		32	175
		Tetrachloro-m-xylene	2	20	20.5	103		32	144
		Decachlorobiphenyl	2	20	20.9	104		32	175
P4888-01	01A-01B-01C	Tetrachloro-m-xylene	1	20	20.9	105		32	144
		Decachlorobiphenyl	1	20	22.2	111		32	175
		Tetrachloro-m-xylene	2	20	22.4	112		32	144
		Decachlorobiphenyl	2	20	22.0	110		32	175
P4888-02	02A-02B-02C	Tetrachloro-m-xylene	1	20	20.9	104		32	144
		Decachlorobiphenyl	1	20	21.6	108		32	175
		Tetrachloro-m-xylene	2	20	21.4	107		32	144
		Decachlorobiphenyl	2	20	21.6	108		32	175
I.BLK-PP068615.D	PIBLK-PP068615.D	Tetrachloro-m-xylene	1	20	20.9	105		60	140
		Decachlorobiphenyl	1	20	22.4	112		60	140
		Tetrachloro-m-xylene	2	20	21.9	110		60	140
		Decachlorobiphenyl	2	20	22.6	113		60	140



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4888

Client: BSI America Professional Services Inc.

Analytical Method: 8082A Datafile : PP068610.D

Lab Sample ID	Parameter	Spike	Result	Units	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165084BS	AR1016	166.5	150	ug/kg	90				71	120		
	AR1260	166.5	132	ug/kg	79				65	130		

4C

PESTICIDE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165084BL

Lab Name: CHEMTECH

Contract: BSIG01

Lab Code: CHEM Case No.: P4888

SAS No.: P4888 SDG NO.: P4888

Lab Sample ID: PB165084BL

Lab File ID: PP068609.D

Matrix: (soil/water) Solid

Extraction: (Type) _____

Sulfur Cleanup: (Y/N) N

Date Extracted: 11/19/2024

Date Analyzed (1): 11/19/2024

Date Analyzed (2): 11/19/2024

Time Analyzed (1): 13:44

Time Analyzed (2): 13:44

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
PB165084BS	PB165084BS	PP068610.D	11/19/2024	11/19/2024
01A-01B-01C	P4888-01	PP068611.D	11/19/2024	11/19/2024
02A-02B-02C	P4888-02	PP068612.D	11/19/2024	11/19/2024

COMMENTS: _____



CALIBRATION SUMMARY

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	10.67	10.67	10.67	10.67	10.67	10.67	10.57	10.77
Tetrachloro-m-xylene	4.76	4.76	4.76	4.76	4.76	4.76	4.66	4.86

A
B
C
D
E
F
G

A
B
C
D
E
F
G

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

[illegible]

RETENTION TIMES OF INITIAL CALIBRATION

Decachlorobiphenyl	9.21	9.21	9.21	9.21	9.21	9.21	9.11	9.31
Tetrachloro-m-xylene	4.05	4.05	4.05	4.05	4.05	4.05	3.95	4.15

A

B

C

D

E

F

G

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BSIG01

Lab Code: CHEM **Case No.:** P4888 **SAS No.:** P4888 **SDG NO.:** P4888

Instrument ID: ECD_P **Calibration Date(s):** 11/08/2024 11/08/2024
Calibration Times: 02:45 10:39

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

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	32722878	32987127	36694544	38565352	38710580	35936096
Aroclor-1016-2	(2)	49685960	49794715	54179380	56028812	55062580	52950289
Aroclor-1016-3	(3)	31039806	31308951	31477564	35261268	36454940	33108506
Aroclor-1016-4	(4)	25063539	25553636	26008648	27599052	27185460	26282067
Aroclor-1016-5	(5)	26884732	25863024	29532330	29666960	29092940	28207997
Aroclor-1260-1	(1)	49214333	49857676	55068012	59485260	56895620	54104180
Aroclor-1260-2	(2)	58512720	58794644	61905312	70175200	68666580	63610891
Aroclor-1260-3	(3)	49867434	49696453	52919146	61783152	54693800	53791997
Aroclor-1260-4	(4)	58030307	58392116	61219352	66884816	66613400	62227998
Aroclor-1260-5	(5)	110582405	105927285	110379288	122419072	116614180	113184446
Decachlorobiphenyl		1148744080	1179137973	1231906520	1372184000	1325426000	1251479715
Tetrachloro-m-xylene		976730760	989539880	977459580	1014058520	895270000	970611748
Aroclor-1242-1	(1)	27983462	28943796	29856910	31981108	30602220	29873499
Aroclor-1242-2	(2)	42123278	43550552	43993198	46167728	44675600	44102071
Aroclor-1242-3	(3)	26373595	27535909	27652176	30639224	27091300	27858441
Aroclor-1242-4	(4)	21517643	22331261	22041924	22696804	20812240	21879974
Aroclor-1242-5	(5)	23574356	24961212	24214552	25605828	23046100	24280410
Decachlorobiphenyl		1136957280	1191065427	1253556200	1358666560	1321692600	1252387613
Tetrachloro-m-xylene		992458220	982684227	997132340	1047919280	945647800	993168373
Aroclor-1248-1	(1)	21167087	22295227	23730874	24762524	20866540	22564450
Aroclor-1248-2	(2)	31519452	32630243	34719948	35861524	33321940	33610621
Aroclor-1248-3	(3)	34960996	35667725	37475430	40578268	33895940	36515672
Aroclor-1248-4	(4)	40590754	42179399	43079186	47529360	40549640	42785668
Aroclor-1248-5	(5)	41079234	41993397	42275646	47274032	35073820	41539226
Decachlorobiphenyl		1161914410	1206078453	1287629180	1388690560	1317466800	1272355881
Tetrachloro-m-xylene		965301010	976063867	1045296820	1022231200	905772600	982933099
Aroclor-1254-1	(1)	45656926	46370784	48591708	55398616	63414000	51886407
Aroclor-1254-2	(2)	61419018	62089981	65367616	73235084	79075760	68237492
Aroclor-1254-3	(3)	65006662	66406433	68483584	76667348	80726040	71458013
Aroclor-1254-4	(4)	47495422	48750441	50445040	59112016	63268560	53814296
Aroclor-1254-5	(5)	57629379	58072741	61204598	69375440	67051440	62666720
Decachlorobiphenyl		1183925920	1211314307	1284210900	1390837600	1376990800	1289455905
Tetrachloro-m-xylene		989066910	975183547	996076320	1021088560	988613200	994005707
Aroclor-1268-1	(1)	148554696	149057943	156954174	165835368	151067220	154293880

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	135127060	135811816	143719574	151054592	134221840	139986976	5
Aroclor-1268-3	(3)	121067798	121993447	126378426	137822256	120978560	125648097	6
Aroclor-1268-4	(4)	55813556	54500479	57743018	60592344	38533680	53436615	16
Aroclor-1268-5	(5)	385860144	385976919	400737274	424727304	387529100	396966148	4
Decachlorobiphenyl		1949212650	1956251560	2086617000	2251184600	2062984000	2061249962	6
Tetrachloro-m-xylene		999802000	981646360	1047559160	988642360	831404200	969810816	8

CALIBRATION FACTOR OF INITIAL CALIBRATION

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Instrument ID: ECD_P

Calibration Date(s): 11/08/2024 11/08/2024

Calibration Times: 02:45 10:39

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

LAB FILE ID:		CF 1000 = <u>PP068361.D</u>		CF 750 = <u>PP068362.D</u>			
CF 500 = <u>PP068363.D</u>		CF 250 = <u>PP068364.D</u>		CF 050 = <u>PP068365.D</u>			
COMPOUND		CF 1000	CF 750	CF 500	CF 250	CF 050	% RSD
Aroclor-1016-1	(1)	28675269	31688729	32908702	36316968	35645980	33047130
Aroclor-1016-2	(2)	45372737	44532471	46481004	50131748	47195120	46742616
Aroclor-1016-3	(3)	25581263	25572389	25828308	29036828	29182360	27040230
Aroclor-1016-4	(4)	22022727	22558800	23000164	24742976	25650260	23594985
Aroclor-1016-5	(5)	28396741	28558155	29494206	33716108	28045580	29642158
Aroclor-1260-1	(1)	50792238	51496668	53738098	60629720	61588060	55648957
Aroclor-1260-2	(2)	59992941	60241951	64329398	71848292	74766160	66235748
Aroclor-1260-3	(3)	57127224	57366085	59805332	69966764	65191800	61891441
Aroclor-1260-4	(4)	50380547	50692913	52887170	57961512	51762800	52736988
Aroclor-1260-5	(5)	115281087	113974237	117997240	127736412	120391040	119076003
Decachlorobiphenyl		1067011790	1067726547	1123064240	1231914520	1166184600	1131180339
Tetrachloro-m-xylene		972289500	961505133	979740920	1035015200	892893600	968288871
Aroclor-1242-1	(1)	26036404	26596448	27385734	29619468	29310780	27789767
Aroclor-1242-2	(2)	36827504	37452539	38777442	41146472	38921400	38625071
Aroclor-1242-3	(3)	20664122	20558137	21869512	21695856	21612620	21280049
Aroclor-1242-4	(4)	21373603	21814177	23240642	23847296	23692700	22793684
Aroclor-1242-5	(5)	25609316	26872617	27207498	29810676	27756660	27451353
Decachlorobiphenyl		1071389140	1064856587	1152041260	1195523280	1288478000	1154457653
Tetrachloro-m-xylene		966238420	972029747	979866540	1033639640	930236800	976402229
Aroclor-1248-1	(1)	20444534	20222528	22256466	23287920	23025760	21847442
Aroclor-1248-2	(2)	29533815	29661357	32274092	34842920	33533080	31969053
Aroclor-1248-3	(3)	30992675	31236121	33896722	36614136	34801320	33508195
Aroclor-1248-4	(4)	36032257	36205659	39041408	42885656	39979000	38828796
Aroclor-1248-5	(5)	34550039	34918980	36548116	40687028	38637220	37068277
Decachlorobiphenyl		1075259530	1103159067	1175200200	1246394680	1231284200	1166259535
Tetrachloro-m-xylene		950224170	961311800	990959620	1038390440	915281600	971233526
Aroclor-1254-1	(1)	54665587	57402907	60611942	70904972	59624080	60641898
Aroclor-1254-2	(2)	47820782	49399019	52999540	61073956	52383280	52735315
Aroclor-1254-3	(3)	78076384	79594720	83715772	92115228	82804080	83261237
Aroclor-1254-4	(4)	45870471	47148891	49237464	53498856	47382280	48627592
Aroclor-1254-5	(5)	70292397	70911040	73701438	76415732	81847640	74633649
Decachlorobiphenyl		1101361650	1125516760	1206565780	1266510680	1278915800	1195774134
Tetrachloro-m-xylene		981660810	970989867	1008018320	1038763400	859285200	971743519
Aroclor-1268-1	(1)	151267885	153313264	156262812	163758576	154047820	155730071

CALIBRATION FACTOR OF INITIAL CALIBRATION

Aroclor-1268-2	(2)	137742491	139526981	142805908	148619888	139099220	141558898	3
Aroclor-1268-3	(3)	120301473	122381172	125911066	131464304	122515640	124514731	4
Aroclor-1268-4	(4)	53869021	55184383	57264704	57620508	49083040	54604331	6
Aroclor-1268-5	(5)	373667244	376833208	381941254	387550036	362884280	376575204	2
Decachlorobiphenyl		1822479100	1863575213	1915658760	2051852880	2001053000	1930923791	5
Tetrachloro-m-xylene		973469740	966812560	1002294360	1022455760	875332800	968073044	6

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Instrument ID: ECD_P Date(s) Analyzed: 11/08/2024 11/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.96	4.86	5.06	13562200
		2	5.05	4.95	5.15	10085600
		3	5.13	5.03	5.23	30259800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	5.12	5.02	5.22	23319600
		2	5.66	5.56	5.76	14954700
		3	5.94	5.84	6.04	25054000
		4	6.11	6.01	6.21	12378200
		5	6.19	6.09	6.29	9944800
Aroclor-1262	500	1	8.38	8.28	8.48	74132800
		2	8.71	8.61	8.81	128999000
		3	9.05	8.95	9.15	95681000
		4	9.15	9.05	9.25	76386800
		5	9.85	9.75	9.95	53482800

INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Instrument ID: ECD_P Date(s) Analyzed: 11/08/2024 11/08/2024

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

COMPOUND	AMOUNT (ng)	PEAK	RT	RT WINDOW		CALIBRATION FACTOR
				FROM	TO	
Aroclor-1221	500	1	4.27	4.17	4.37	12610400
		2	4.35	4.25	4.45	9772940
		3	4.43	4.33	4.53	30490800
		4	0.00			0
		5	0.00			0
Aroclor-1232	500	1	4.43	4.33	4.53	23601600
		2	5.18	5.08	5.28	21785200
		3	5.36	5.26	5.46	11210600
		4	5.44	5.34	5.54	10956500
		5	5.62	5.52	5.72	12320000
Aroclor-1262	500	1	7.21	7.11	7.31	77596600
		2	7.48	7.38	7.58	70694600
		3	8.00	7.90	8.10	58847400
		4	8.06	7.96	8.16	103602000
		5	8.59	8.49	8.69	50691400

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.92	5.92	5.82	6.02	0.00
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.67	10.67	10.57	10.77	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 11:50 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.15	5.16	5.06	5.26	0.01
Aroclor-1016-2	(2)	5.17	5.18	5.08	5.28	0.01
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.39	5.40	5.30	5.50	0.01
Aroclor-1016-5	(5)	5.61	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.84	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.01
Aroclor-1260-5	(5)	7.71	7.72	7.62	7.82	0.01
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.01

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.923	5.821	6.021	462.180	500.000	-7.6
Aroclor-1016-2	5.945	5.844	6.044	481.740	500.000	-3.7
Aroclor-1016-3	6.008	5.908	6.108	490.180	500.000	-2.0
Aroclor-1016-4	6.106	6.005	6.205	490.380	500.000	-1.9
Aroclor-1016-5	6.400	6.299	6.499	462.630	500.000	-7.5
Aroclor-1260-1	7.525	7.423	7.623	477.630	500.000	-4.5
Aroclor-1260-2	7.777	7.676	7.876	459.180	500.000	-8.2
Aroclor-1260-3	8.139	8.038	8.238	431.860	500.000	-13.6
Aroclor-1260-4	8.376	8.276	8.476	426.790	500.000	-14.6
Aroclor-1260-5	8.715	8.613	8.813	422.590	500.000	-15.5
Decachlorobiphenyl	10.674	10.572	10.772	44.450	50.000	-11.1
Tetrachloro-m-xylene	4.758	4.657	4.857	49.130	50.000	-1.7

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL01 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068602.D Time Analyzed: 11:50

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.154	5.058	5.258	509.510	500.000	1.9
Aroclor-1016-2	5.174	5.079	5.279	473.120	500.000	-5.4
Aroclor-1016-3	5.355	5.259	5.459	439.650	500.000	-12.1
Aroclor-1016-4	5.394	5.298	5.498	442.810	500.000	-11.4
Aroclor-1016-5	5.614	5.517	5.717	493.170	500.000	-1.4
Aroclor-1260-1	6.657	6.560	6.760	494.420	500.000	-1.1
Aroclor-1260-2	6.843	6.747	6.947	469.380	500.000	-6.1
Aroclor-1260-3	7.001	6.905	7.105	467.400	500.000	-6.5
Aroclor-1260-4	7.475	7.378	7.578	472.750	500.000	-5.5
Aroclor-1260-5	7.713	7.617	7.817	458.570	500.000	-8.3
Decachlorobiphenyl	9.205	9.110	9.310	45.250	50.000	-9.5
Tetrachloro-m-xylene	4.049	3.951	4.151	49.290	50.000	-1.4

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.93	5.92	5.82	6.02	-0.01
Aroclor-1016-2	(2)	5.95	5.94	5.84	6.04	-0.01
Aroclor-1016-3	(3)	6.01	6.01	5.91	6.11	0.00
Aroclor-1016-4	(4)	6.11	6.11	6.01	6.21	0.00
Aroclor-1016-5	(5)	6.40	6.40	6.30	6.50	0.00
Aroclor-1260-1	(1)	7.53	7.52	7.42	7.62	-0.01
Aroclor-1260-2	(2)	7.78	7.78	7.68	7.88	0.00
Aroclor-1260-3	(3)	8.14	8.14	8.04	8.24	0.00
Aroclor-1260-4	(4)	8.38	8.38	8.28	8.48	0.00
Aroclor-1260-5	(5)	8.72	8.71	8.61	8.81	-0.01
Tetrachloro-m-xylene		4.76	4.76	4.66	4.86	0.00
Decachlorobiphenyl		10.68	10.67	10.57	10.77	-0.01

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

Continuing Calib Date: 11/19/2024 Initial Calibration Date(s): 11/08/2024 11/08/2024

Continuing Calib Time: 15:29 Initial Calibration Time(s): 02:45 10:39

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

COMPOUND		CCAL RT	AVG RT	RT WINDOW		DIFF RT
				FROM	TO	
Aroclor-1016-1	(1)	5.16	5.16	5.06	5.26	0.00
Aroclor-1016-2	(2)	5.18	5.18	5.08	5.28	0.00
Aroclor-1016-3	(3)	5.36	5.36	5.26	5.46	0.00
Aroclor-1016-4	(4)	5.40	5.40	5.30	5.50	0.00
Aroclor-1016-5	(5)	5.62	5.62	5.52	5.72	0.01
Aroclor-1260-1	(1)	6.66	6.66	6.56	6.76	0.00
Aroclor-1260-2	(2)	6.85	6.85	6.75	6.95	0.01
Aroclor-1260-3	(3)	7.00	7.01	6.91	7.11	0.01
Aroclor-1260-4	(4)	7.48	7.48	7.38	7.58	0.00
Aroclor-1260-5	(5)	7.72	7.72	7.62	7.82	0.00
Tetrachloro-m-xylene		4.05	4.05	3.95	4.15	0.00
Decachlorobiphenyl		9.21	9.21	9.11	9.31	0.00

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR1 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
Aroclor-1016-1	5.926	5.821	6.021	472.020	500.000	-5.6
Aroclor-1016-2	5.947	5.844	6.044	493.840	500.000	-1.2
Aroclor-1016-3	6.011	5.908	6.108	514.490	500.000	2.9
Aroclor-1016-4	6.109	6.005	6.205	518.260	500.000	3.7
Aroclor-1016-5	6.404	6.299	6.499	470.310	500.000	-5.9
Aroclor-1260-1	7.527	7.423	7.623	488.300	500.000	-2.3
Aroclor-1260-2	7.780	7.676	7.876	469.560	500.000	-6.1
Aroclor-1260-3	8.142	8.038	8.238	446.600	500.000	-10.7
Aroclor-1260-4	8.380	8.276	8.476	435.780	500.000	-12.8
Aroclor-1260-5	8.717	8.613	8.813	439.380	500.000	-12.1
Decachlorobiphenyl	10.675	10.572	10.772	45.710	50.000	-8.6
Tetrachloro-m-xylene	4.761	4.657	4.857	49.560	50.000	-0.9

CALIBRATION VERIFICATION SUMMARY

Contract: BSIG01

Lab Code: CHEM Case No.: P4888 SAS No.: P4888 SDG NO.: P4888

GC Column: ZB-MR2 ID: 0.32 (mm) Initi. Calib. Date(s): 11/08/2024 11/08/2024

Client Sample No.: CCAL02 Date Analyzed: 11/19/2024

Lab Sample No.: AR1660CCC500 Data File : PP068614.D Time Analyzed: 15:29

COMPOUND	RT	RT WINDOW		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
		FROM	TO			
Aroclor-1016-1	5.156	5.058	5.258	501.490	500.000	0.3
Aroclor-1016-2	5.176	5.079	5.279	490.400	500.000	-1.9
Aroclor-1016-3	5.356	5.259	5.459	452.510	500.000	-9.5
Aroclor-1016-4	5.396	5.298	5.498	459.270	500.000	-8.1
Aroclor-1016-5	5.615	5.517	5.717	511.580	500.000	2.3
Aroclor-1260-1	6.658	6.560	6.760	492.620	500.000	-1.5
Aroclor-1260-2	6.845	6.747	6.947	463.600	500.000	-7.3
Aroclor-1260-3	7.002	6.905	7.105	472.300	500.000	-5.5
Aroclor-1260-4	7.477	7.378	7.578	478.300	500.000	-4.3
Aroclor-1260-5	7.715	7.617	7.817	470.590	500.000	-5.9
Decachlorobiphenyl	9.207	9.110	9.310	46.580	50.000	-6.8
Tetrachloro-m-xylene	4.051	3.951	4.151	50.940	50.000	1.9

Analytical Sequence

Client: BSI America Professional Services Inc.

SDG No.: P4888

Project: PS 154 @ K154

Instrument ID: ECD_P

GC Column: ZB-MR1

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/08/2024

11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/08/2024	02:29	PP068360.D	10.67	4.76
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	10.67	4.76
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	10.68	4.76
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	10.67	4.76
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	10.68	4.76
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	10.67	4.76
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	10.68	4.76
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	10.67	4.76
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	10.67	4.76
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	10.67	4.76
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	10.67	4.76
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	10.67	4.76
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	10.68	4.76
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	10.67	4.76
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	10.68	4.76
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	10.67	4.76
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	10.67	4.76
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	10.67	4.76
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	10.67	4.76
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	10.67	4.76
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	10.67	4.76
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	10.67	4.76
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	10.67	4.76
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	10.67	4.76
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	10.67	4.76
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	10.67	4.76
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	10.67	4.76
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	10.67	4.76
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	10.67	4.76
IBLK	IBLK	11/19/2024	12:55	PP068606.D	10.68	4.76
PB165084BL	PB165084BL	11/19/2024	13:44	PP068609.D	10.67	4.76
PB165084BS	PB165084BS	11/19/2024	14:00	PP068610.D	10.67	4.76
01A-01B-01C	P4888-01	11/19/2024	14:17	PP068611.D	10.68	4.76
02A-02B-02C	P4888-02	11/19/2024	14:33	PP068612.D	10.67	4.76
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	10.68	4.76
IBLK	IBLK	11/19/2024	15:45	PP068615.D	10.67	4.76

Analytical Sequence

Client: BSI America Professional Services Inc.

SDG No.: P4888

Project: PS 154 @ K154

Instrument ID: ECD_P

GC Column: ZB-MR2

ID: 0.32 (mm)

Inst. Calib. Date(s): 11/08/2024

11/08/2024

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

EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATAFILE	DCB RT #	TCX RT #
IBLK	IBLK	11/08/2024	02:29	PP068360.D	9.21	4.05
AR1660ICC1000	AR1660ICC1000	11/08/2024	02:45	PP068361.D	9.21	4.05
AR1660ICC750	AR1660ICC750	11/08/2024	03:02	PP068362.D	9.21	4.05
AR1660ICC500	AR1660ICC500	11/08/2024	03:18	PP068363.D	9.21	4.05
AR1660ICC250	AR1660ICC250	11/08/2024	03:34	PP068364.D	9.21	4.05
AR1660ICC050	AR1660ICC050	11/08/2024	03:51	PP068365.D	9.21	4.05
AR1221ICC500	AR1221ICC500	11/08/2024	04:07	PP068366.D	9.21	4.05
AR1232ICC500	AR1232ICC500	11/08/2024	04:23	PP068367.D	9.21	4.05
AR1242ICC1000	AR1242ICC1000	11/08/2024	04:40	PP068368.D	9.21	4.05
AR1242ICC750	AR1242ICC750	11/08/2024	04:56	PP068369.D	9.21	4.05
AR1242ICC500	AR1242ICC500	11/08/2024	05:12	PP068370.D	9.21	4.05
AR1242ICC250	AR1242ICC250	11/08/2024	05:29	PP068371.D	9.21	4.05
AR1242ICC050	AR1242ICC050	11/08/2024	05:45	PP068372.D	9.21	4.05
AR1248ICC1000	AR1248ICC1000	11/08/2024	06:01	PP068373.D	9.21	4.05
AR1248ICC750	AR1248ICC750	11/08/2024	06:18	PP068374.D	9.21	4.05
AR1248ICC500	AR1248ICC500	11/08/2024	06:34	PP068375.D	9.21	4.05
AR1248ICC250	AR1248ICC250	11/08/2024	06:50	PP068376.D	9.21	4.05
AR1248ICC050	AR1248ICC050	11/08/2024	07:07	PP068377.D	9.21	4.05
AR1254ICC1000	AR1254ICC1000	11/08/2024	07:23	PP068378.D	9.21	4.05
AR1254ICC750	AR1254ICC750	11/08/2024	07:39	PP068379.D	9.21	4.05
AR1254ICC500	AR1254ICC500	11/08/2024	07:56	PP068380.D	9.21	4.05
AR1254ICC250	AR1254ICC250	11/08/2024	08:12	PP068381.D	9.21	4.05
AR1254ICC050	AR1254ICC050	11/08/2024	08:28	PP068382.D	9.21	4.05
AR1262ICC500	AR1262ICC500	11/08/2024	08:45	PP068383.D	9.21	4.05
AR1268ICC1000	AR1268ICC1000	11/08/2024	09:01	PP068384.D	9.21	4.05
AR1268ICC750	AR1268ICC750	11/08/2024	09:17	PP068385.D	9.21	4.05
AR1268ICC500	AR1268ICC500	11/08/2024	09:34	PP068386.D	9.21	4.05
AR1268ICC250	AR1268ICC250	11/08/2024	09:50	PP068387.D	9.21	4.05
AR1268ICC050	AR1268ICC050	11/08/2024	10:39	PP068388.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	11:50	PP068602.D	9.21	4.05
IBLK	IBLK	11/19/2024	12:55	PP068606.D	9.21	4.05
PB165084BL	PB165084BL	11/19/2024	13:44	PP068609.D	9.21	4.05
PB165084BS	PB165084BS	11/19/2024	14:00	PP068610.D	9.21	4.05
01A-01B-01C	P4888-01	11/19/2024	14:17	PP068611.D	9.21	4.05
02A-02B-02C	P4888-02	11/19/2024	14:33	PP068612.D	9.21	4.05
AR1660CCC500	AR1660CCC500	11/19/2024	15:29	PP068614.D	9.21	4.05
IBLK	IBLK	11/19/2024	15:45	PP068615.D	9.21	4.05



QC SAMPLE DATA

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:		
Project:	PS 154 @ K154		Date Received:		
Client Sample ID:	PB165084BL		SDG No.:	P4888	
Lab Sample ID:	PB165084BL		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.02	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068609.D	1	11/19/24 08:52	11/19/24 13:44	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.0034	U	0.0034	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0064	U	0.0064	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0034	U	0.0034	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0034	U	0.0034	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0079	U	0.0079	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0027	U	0.0027	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0046	U	0.0046	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0034	U	0.0034	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.0029	U	0.0029	0.017	mg/Kg
Total PCBs	Total PCBs	0.0079	U	0.0079	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	102%	SPK: 20
2051-24-3	Decachlorobiphenyl	21.0		32 - 175	105%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/08/24	
Project:	PS 154 @ K154		Date Received:	11/08/24	
Client Sample ID:	PIBLK-PP068360.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068360.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068360.D	1		11/08/24	PP110724

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.0		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	23.4		60 - 140	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

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/19/24	
Project:	PS 154 @ K154		Date Received:	11/19/24	
Client Sample ID:	PIBLK-PP068606.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068606.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068606.D	1		11/19/24	PP111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	21.5		60 - 140	107%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.1		60 - 140	111%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:	11/19/24	
Project:	PS 154 @ K154		Date Received:	11/19/24	
Client Sample ID:	PIBLK-PP068615.D		SDG No.:	P4888	
Lab Sample ID:	I.BLK-PP068615.D		Matrix:	WATER	
Analytical Method:	SW8082A		% Solid:	0	Decanted:
Sample Wt/Vol:	1000	Units: mL	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	5030				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068615.D	1		11/19/24	PP111924

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
12674-11-2	Aroclor-1016	0.00015	U	0.00015	0.00050	mg/L
11104-28-2	Aroclor-1221	0.00023	U	0.00023	0.00050	mg/L
11141-16-5	Aroclor-1232	0.00037	U	0.00037	0.00050	mg/L
53469-21-9	Aroclor-1242	0.00016	U	0.00016	0.00050	mg/L
12672-29-6	Aroclor-1248	0.00012	U	0.00012	0.00050	mg/L
11097-69-1	Aroclor-1254	0.00011	U	0.00011	0.00050	mg/L
11096-82-5	Aroclor-1260	0.00015	U	0.00015	0.00050	mg/L
37324-23-5	Aroclor-1262	0.00014	U	0.00014	0.00050	mg/L
11100-14-4	Aroclor-1268	0.00012	U	0.00012	0.00050	mg/L
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.9		60 - 140	105%	SPK: 20
2051-24-3	Decachlorobiphenyl	22.4		60 - 140	112%	SPK: 20

Comments:

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

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

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit

Report of Analysis

Client:	BSI America Professional Services Inc.		Date Collected:		
Project:	PS 154 @ K154		Date Received:		
Client Sample ID:	PB165084BS		SDG No.:	P4888	
Lab Sample ID:	PB165084BS		Matrix:	SOIL	
Analytical Method:	SW8082A		% Solid:	100	Decanted:
Sample Wt/Vol:	30.03	Units: g	Final Vol:	10000	uL
Soil Aliquot Vol:		uL	Test:	PCB Group1	
Extraction Type:			Injection Volume :		
GPC Factor :	1.0	PH :			
Prep Method :	SW3541B				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
PP068610.D	1	11/19/24 08:52	11/19/24 14:00	PB165084

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
12674-11-2	Aroclor-1016	0.15		0.0034	0.017	mg/Kg
11104-28-2	Aroclor-1221	0.0064	U	0.0064	0.017	mg/Kg
11141-16-5	Aroclor-1232	0.0034	U	0.0034	0.017	mg/Kg
53469-21-9	Aroclor-1242	0.0034	U	0.0034	0.017	mg/Kg
12672-29-6	Aroclor-1248	0.0079	U	0.0079	0.017	mg/Kg
11097-69-1	Aroclor-1254	0.0027	U	0.0027	0.017	mg/Kg
37324-23-5	Aroclor-1262	0.0046	U	0.0046	0.017	mg/Kg
11100-14-4	Aroclor-1268	0.0034	U	0.0034	0.017	mg/Kg
11096-82-5	Aroclor-1260	0.13		0.0029	0.017	mg/Kg
Total PCBs	Total PCBs	0.28		0.0063	0.017	mg/Kg
SURROGATES						
877-09-8	Tetrachloro-m-xylene	20.5		32 - 144	103%	SPK: 20
2051-24-3	Decachlorobiphenyl	20.9		32 - 175	104%	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