

DATA PACKAGE

GC SEMI-VOLATILES

PROJECT NAME : PS 154 @ K154

BSI AMERICA PROFESSIONAL SERVICES INC.

141 West 36th Street, 3rd Floor

New York, NY - 10018

Phone No: (212) 290-6323

ORDER ID : P4888

ATTENTION : Alex Arrigo



Laboratory Certification ID # 20012



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Cover Page

Order ID : P4888

Project ID : PS 154 @ K154

Client : BSI America Professional Services Inc.

Lab Sample Number

P4888-01
P4888-02

Client Sample Number

01A-01B-01C
02A-02B-02C

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 11/27/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

CASE NARRATIVE

BSI America Professional Services Inc.

Project Name: PS 154 @ K154

Project # N/A

Chemtech Project # P4888

Test Name: PCB Group1

A. Number of Samples and Date of Receipt:

2 Solid samples were received on 11/15/2024.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: PCB Group1. This data package contains results for PCB Group1.

C. Analytical Techniques:

The analyses were performed on instrument GCECD_P. The front column is ZB-MR1 which is 30 meters, 0.32 mm ID, 0.5 um df, Catalogue # 7HM-G016-17. The rear column is ZB-MR2 which is 30 meters, 0.32 mm ID, 0.25 µm; Catalogue # 7HM-G017-11. The analysis of PCB Group1s was based on method 8082A and extraction was done based on method 3541.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Retention Times were acceptable for all samples.

The Blank Spike met requirements for all samples .

The Blank analysis did not indicate the presence of lab contamination.

The Initial Calibration met the requirements .

The Continuous Calibration met the requirements .

E. Additional Comments:

No MS-MSD performed as sample having CAULK matrix.

Less volume was taken for samples at the extraction due to CAULK matrix.

As per special requirement for this project form-1 are reported in mg/kg.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed



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

above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following “ Results Qualifiers” are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. “10 U”. This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value. This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as “12 B”.
E	Indicates the analyte ‘s concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a “P”.
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: P4888

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/27/2024

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
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Client ID :

Total Concentration: 0.000



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

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		

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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

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:	RT 1000 = <u>PP068361.D</u>	RT 750 = <u>PP068362.D</u>
RT 500 = <u>PP068363.D</u>	RT 250 = <u>PP068364.D</u>	RT 050 = <u>PP068365.D</u>

COMPOUND		RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW	
								FROM	TO
Aroclor-1016-1	(1)	5.92	5.93	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1016-2	(2)	5.94	5.95	5.94	5.95	5.94	5.95	5.85	6.05
Aroclor-1016-3	(3)	6.01	6.01	6.01	6.01	6.01	6.01	5.91	6.11
Aroclor-1016-4	(4)	6.11	6.11	6.11	6.11	6.10	6.11	6.01	6.21
Aroclor-1016-5	(5)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1260-1	(1)	7.52	7.53	7.52	7.52	7.52	7.52	7.42	7.62
Aroclor-1260-2	(2)	7.78	7.78	7.78	7.78	7.78	7.78	7.68	7.88
Aroclor-1260-3	(3)	8.14	8.14	8.14	8.14	8.14	8.14	8.04	8.24
Aroclor-1260-4	(4)	8.38	8.38	8.38	8.38	8.38	8.38	8.28	8.48
Aroclor-1260-5	(5)	8.72	8.72	8.71	8.72	8.71	8.72	8.62	8.82
Decachlorobiphenyl		10.67	10.68	10.67	10.68	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
Aroclor-1242-1	(1)	5.93	5.92	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1242-2	(2)	5.95	5.94	5.95	5.94	5.95	5.95	5.85	6.05
Aroclor-1242-3	(3)	6.01	6.01	6.01	6.01	6.01	6.01	5.91	6.11
Aroclor-1242-4	(4)	6.11	6.11	6.11	6.11	6.11	6.11	6.01	6.21
Aroclor-1242-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.67	10.67	10.67	10.68	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
Aroclor-1248-1	(1)	5.92	5.93	5.92	5.92	5.92	5.92	5.82	6.02
Aroclor-1248-2	(2)	6.19	6.20	6.19	6.19	6.20	6.20	6.10	6.30
Aroclor-1248-3	(3)	6.40	6.40	6.40	6.40	6.40	6.40	6.30	6.50
Aroclor-1248-4	(4)	6.80	6.80	6.80	6.80	6.80	6.80	6.70	6.90
Aroclor-1248-5	(5)	6.84	6.84	6.84	6.84	6.84	6.84	6.74	6.94
Decachlorobiphenyl		10.67	10.68	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
Aroclor-1254-1	(1)	6.77	6.78	6.78	6.77	6.77	6.78	6.68	6.88
Aroclor-1254-2	(2)	6.99	7.00	7.00	6.99	6.99	6.99	6.89	7.09
Aroclor-1254-3	(3)	7.36	7.36	7.36	7.36	7.36	7.36	7.26	7.46
Aroclor-1254-4	(4)	7.64	7.64	7.64	7.64	7.64	7.64	7.54	7.74
Aroclor-1254-5	(5)	8.06	8.06	8.06	8.06	8.06	8.06	7.96	8.16
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
Aroclor-1268-1	(1)	9.05	9.05	9.05	9.05	9.05	9.05	8.95	9.15
Aroclor-1268-2	(2)	9.15	9.15	9.15	9.15	9.15	9.15	9.05	9.25
Aroclor-1268-3	(3)	9.40	9.40	9.40	9.40	9.40	9.40	9.30	9.50
Aroclor-1268-4	(4)	9.84	9.85	9.85	9.85	9.84	9.85	9.75	9.95
Aroclor-1268-5	(5)	10.29	10.30	10.30	10.30	10.30	10.30	10.20	10.40

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

RETENTION TIMES 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: **RT 1000 =** PP068361.D **RT 750 =** PP068362.D
RT 500 = PP068363.D **RT 250 =** PP068364.D **RT 050 =** PP068365.D

COMPOUND	RT 1000	RT 750	RT 500	RT 250	RT 050	MEAN RT	RT WINDOW FROM TO	
Aroclor-1016-1 (1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1016-2 (2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1016-3 (3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1016-4 (4)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1016-5 (5)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1260-1 (1)	6.66	6.66	6.66	6.66	6.66	6.66	6.56	6.76
Aroclor-1260-2 (2)	6.85	6.85	6.85	6.85	6.85	6.85	6.75	6.95
Aroclor-1260-3 (3)	7.01	7.01	7.01	7.00	7.00	7.01	6.91	7.11
Aroclor-1260-4 (4)	7.48	7.48	7.48	7.48	7.48	7.48	7.38	7.58
Aroclor-1260-5 (5)	7.72	7.72	7.72	7.72	7.72	7.72	7.62	7.82
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
Aroclor-1242-1 (1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1242-2 (2)	5.18	5.18	5.18	5.18	5.18	5.18	5.08	5.28
Aroclor-1242-3 (3)	5.36	5.36	5.36	5.36	5.36	5.36	5.26	5.46
Aroclor-1242-4 (4)	5.44	5.44	5.44	5.44	5.44	5.44	5.34	5.54
Aroclor-1242-5 (5)	5.97	5.97	5.97	5.97	5.97	5.97	5.87	6.07
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
Aroclor-1248-1 (1)	5.16	5.16	5.16	5.16	5.16	5.16	5.06	5.26
Aroclor-1248-2 (2)	5.40	5.40	5.40	5.40	5.40	5.40	5.30	5.50
Aroclor-1248-3 (3)	5.44	5.44	5.44	5.44	5.44	5.44	5.34	5.54
Aroclor-1248-4 (4)	5.62	5.62	5.62	5.62	5.62	5.62	5.52	5.72
Aroclor-1248-5 (5)	6.02	6.01	6.01	6.01	6.01	6.01	5.91	6.11
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
Aroclor-1254-1 (1)	5.97	5.97	5.97	5.97	5.97	5.97	5.87	6.07
Aroclor-1254-2 (2)	6.12	6.12	6.12	6.12	6.12	6.12	6.02	6.22
Aroclor-1254-3 (3)	6.53	6.53	6.53	6.53	6.53	6.53	6.43	6.63
Aroclor-1254-4 (4)	6.76	6.76	6.76	6.76	6.76	6.76	6.66	6.86
Aroclor-1254-5 (5)	7.18	7.18	7.18	7.18	7.18	7.18	7.08	7.28
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
Aroclor-1268-1 (1)	8.00	8.00	8.00	8.00	8.00	8.00	7.90	8.10
Aroclor-1268-2 (2)	8.07	8.07	8.07	8.07	8.07	8.07	7.97	8.17
Aroclor-1268-3 (3)	8.29	8.29	8.29	8.28	8.29	8.29	8.19	8.39
Aroclor-1268-4 (4)	8.59	8.59	8.59	8.59	8.59	8.59	8.49	8.69
Aroclor-1268-5 (5)	8.92	8.92	8.92	8.92	8.92	8.92	8.82	9.02

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 FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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 FROM TO		CALC AMOUNT(ng)	NOM AMOUNT(ng)	%D
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:

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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

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Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

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

() = Laboratory InHouse Limit



SHIPPING DOCUMENTS

Laboratory Composite Sample log

Chemtech Project number: P4888Date: 11-18-24Client Name: BSIClient Project Name: PS 154 @ K154Instructions: Composite Samples 3:1Sample Custodian: [Signature]

Client Sample ID	Weigh /Volume used	New ID	Sample Description	Sample Composite time	Comments
01A	0.46g	01A-01B-01C	Gray Caulking in Scuppers	0930	Total weight used 1.3g
01B	0.44g				
01C	0.40g				
02A	0.90g	02A-02B-02C	Light Gray Caulking on Door Frame		Total weight used 2.62g
02B	0.87g				
02C	0.85g				

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488