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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: BNA_G Calibration Date/Time: 12/5/2024 12 15:14

Lab File ID: BG063583.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.687	0.710		3.348	
Pyridine	1.361	1.422		4.482	
2-Fluorophenol	1.112	1.107		-0.45	
Benzaldehyde	1.119	1.060		-5.273	
Aniline	1.447	1.586		9.606	
Phenol-d6	1.735	1.741		0.346	
Phenol	1.852	1.851		-0.054	20.0
bis(2-Chloroethyl)ether	1.304	1.282		-1.687	
2-Chlorophenol	1.113	1.101		-1.078	
1,2-Dichlorobenzene	1.372	1.379		0.51	
1,3-Dichlorobenzene	1.347	1.332		-1.114	
1,4-Dichlorobenzene	1.395	1.402		0.502	20.0
Benzyl Alcohol	1.519	1.567		3.16	
2-Methylphenol	1.188	1.211		1.936	
2,2-oxybis(1-Chloropropane)	1.504	1.498		-0.399	
Acetophenone	0.601	0.612		1.83	
3+4-Methylphenols	1.641	1.700		3.595	
n-Nitroso-di-n-propylamine	1.334	1.364	0.050	2.249	
Nitrobenzene-d5	0.511	0.516		0.978	
Hexachloroethane	0.568	0.563		-0.88	
Nitrobenzene	0.550	0.553		0.545	
Isophorone	0.907	0.940		3.638	
2-Nitrophenol	0.161	0.163		1.242	20.0
2,4-Dimethylphenol	0.206	0.204		-0.971	
bis(2-Chloroethoxy)methane	0.452	0.462		2.212	
2,4-Dichlorophenol	0.344	0.357		3.779	20.0
1,2,4-Trichlorobenzene	0.442	0.443		0.226	
Benzoic acid	0.116	0.109		-6.034	
Naphthalene	1.012	1.011		-0.099	
4-Chloroaniline	0.308	0.339		10.065	
Hexachlorobutadiene	0.384	0.389		1.302	20.0
Caprolactam	0.108	0.107		-0.926	
4-Chloro-3-methylphenol	0.420	0.422		0.476	20.0
2-Methylnaphthalene	0.771	0.774		0.389	
Hexachlorocyclopentadiene	0.175	0.186	0.050	6.286	
2,4,6-Trichlorophenol	0.398	0.406		2.01	20.0
2-Fluorobiphenyl	1.295	1.282		-1.004	
2,4,5-Trichlorophenol	0.467	0.471		0.857	
1,1-Biphenyl	1.290	1.257		-2.558	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: BNA_G Calibration Date/Time: 12/5/2024 12 15:14

Lab File ID: BG063583.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.061	1.037		-2.262	
2-Nitroaniline	0.333	0.341		2.402	
Dimethylphthalate	1.430	1.404		-1.818	
Acenaphthylene	1.550	1.547		-0.194	
2,6-Dinitrotoluene	0.294	0.285		-3.061	
3-Nitroaniline	0.241	0.243		0.83	
Acenaphthene	0.973	0.957		-1.644	20.0
2,4-Dinitrophenol	0.160	0.157	0.050	-1.875	
4-Nitrophenol	0.182	0.187	0.050	2.747	
Dibenzofuran	1.797	1.739		-3.228	
2,4-Dinitrotoluene	0.430	0.414		-3.721	
Diethylphthalate	1.398	1.373		-1.788	
4-Chlorophenyl-phenylether	0.961	0.944		-1.769	
Fluorene	1.444	1.425		-1.316	
4-Nitroaniline	0.272	0.263		-3.309	
4,6-Dinitro-2-methylphenol	0.104	0.107		2.885	
n-Nitrosodiphenylamine	0.455	0.450		-1.099	20.0
Azobenzene	1.778	1.755		-1.294	
2,4,6-Tribromophenol	0.290	0.276		-4.828	
4-Bromophenyl-phenylether	0.240	0.239		-0.417	
Hexachlorobenzene	0.259	0.256		-1.158	
Atrazine	0.175	0.155		-11.429	
Pentachlorophenol	0.113	0.113		0.0	20.0
Phenanthrene	0.938	0.930		-0.853	
Anthracene	0.922	0.907		-1.627	
Carbazole	0.802	0.782		-2.494	
Di-n-butylphthalate	0.809	0.782		-3.337	
Fluoranthene	1.320	1.275		-3.409	20.0
Benzidine	0.214	0.285		33.178	
Pyrene	1.245	1.291		3.695	
Terphenyl-d14	0.990	1.052		6.263	
Butylbenzylphthalate	0.263	0.274		4.183	
3,3-Dichlorobenzidine	0.380	0.406		6.842	
Benzo(a)anthracene	1.271	1.295		1.888	
Chrysene	1.209	1.248		3.226	
Bis(2-ethylhexyl)phthalate	0.397	0.408		2.771	
Di-n-octyl phthalate	0.692	0.711		2.746	20.0
Benzo(b)fluoranthene	1.248	1.233		-1.202	
Benzo(k)fluoranthene	1.207	1.200		-0.58	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: BNA_G Calibration Date/Time: 12/5/2024 12 15:14

Lab File ID: BG063583.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.072	1.085		1.213	20.0
Indeno(1,2,3-cd)pyrene	1.310	1.331		1.603	
Dibenzo(a,h)anthracene	1.080	1.112		2.963	
Benzo(g,h,i)perylene	1.100	1.108		0.727	
1,2,4,5-Tetrachlorobenzene	0.766	0.757		-1.175	
1,4-Dioxane	0.482	0.485		0.622	20.0
2,3,4,6-Tetrachlorophenol	0.456	0.439		-3.728	
1-Methylnaphthalene	0.770	0.779		1.169	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBG120524		SDG No.:	BG120524	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :		PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063587.D	1		12/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40200		1000	8000	10000	ug/L
110-86-1	Pyridine	40500		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40800		4000	8000	10000	ug/L
62-53-3	Aniline	42100		1600	4000	5000	ug/L
108-95-2	Phenol	39800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39100		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39000		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	36700		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	37400		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	37500		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	39800		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	39200		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43000		1400	4000	5000	ug/L
98-86-2	Acetophenone	39900		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	39100		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39700		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39300		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40800		1300	4000	5000	ug/L
78-59-1	Isophorone	39700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	39600		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40100		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40700		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	38100		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	36500		1100	4000	5000	ug/L
65-85-0	Benzoic acid	38200		5500	8000	10000	ug/L
91-20-3	Naphthalene	39300		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	43200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	35400		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBG120524		SDG No.:	BG120524	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :		PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063587.D	1		12/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	37500		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	39500		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	38900		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40400		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	38800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	40000		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39900		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	44600		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40500		930	4000	5000	ug/L
208-96-8	Acenaphthylene	41200		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	41300		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	43100		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39900		810	4000	5000	ug/L
Total PAH	Total PAH	640700		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	38000		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43500		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39400		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39800		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	81100		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	40100		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38100		980	4000	5000	ug/L
86-73-7	Fluorene	39500		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	41500		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	40900		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	40100		890	4000	5000	ug/L
103-33-3	Azobenzene	41700		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	37800		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	37900		1100	4000	5000	ug/L
1912-24-9	Atrazine	34900		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBG120524			SDG No.:	BG120524
Lab Sample ID:	SSTDICV040			Matrix:	Water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063587.D	1		12/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	38200		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39800		890	4000	5000	ug/L
120-12-7	Anthracene	39500		1100	4000	5000	ug/L
86-74-8	Carbazole	40500		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	41100		1500	4000	5000	ug/L
206-44-0	Fluoranthene	37000		1300	4000	5000	ug/L
92-87-5	Benzidine	50600		4100	8000	10000	ug/L
129-00-0	Pyrene	40900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	43700		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40200		940	4000	5000	ug/L
218-01-9	Chrysene	39800		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44400		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	44500		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	39500		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40700		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	40900		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	41200		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41000		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	40300		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	37600		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	41200		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	37600		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	38500		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	77437	*	10-139		51625	SPK: -150
13127-88-3	Phenol-d6	77644	*	10-134		51763	SPK: -150
4165-60-0	Nitrobenzene-d5	79132	*	49-133		79132	SPK: -100
321-60-8	2-Fluorobiphenyl	78940	*	52-132		78940	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBG120524			SDG No.:	BG120524		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000		uL
Soil Aliquot Vol:			uL	Test:			
Extraction Type :			Decanted :	Level :	LOW		
Injection Volume :			GPC Factor :	GPC Cleanup :		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063587.D	1		12/5/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	75193	*	44-137		50129	SPK: -150
1718-51-0	Terphenyl-d14	82505	*	48-125		82505	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	82941	7.818				
1146-65-2	Naphthalene-d8	331608	10.609				
15067-26-2	Acenaphthene-d10	274678	14.463				
1517-22-2	Phenanthrene-d10	742596	17.219				
1719-03-5	Chrysene-d12	734706	21.473				
1520-96-3	Perylene-d12	767308	24.51				

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Report of Analysis

Client:				Date Collected:	12/4/2024 12:00:00 AM
Project:				Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	PB165356BL			SDG No.:	BG120524
Lab Sample ID:	PB165356BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063588.D	1	12/4/2024 12:00:00 AM	12/5/2024 12:00:00 AM	PB165356

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	12/4/2024 12:00:00 AM
Project:				Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	PB165356BL			SDG No.:	BG120524
Lab Sample ID:	PB165356BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063588.D	1	12/4/2024 12:00:00 AM	12/5/2024 12:00:00 AM	PB165356

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

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

Report of Analysis

Client:				Date Collected:	12/4/2024 12:00:00 AM
Project:				Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	PB165356BL			SDG No.:	BG120524
Lab Sample ID:	PB165356BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063588.D	1	12/4/2024 12:00:00 AM	12/5/2024 12:00:00 AM	PB165356

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	173.807	*	18-112		116	SPK: -150
13127-88-3	Phenol-d6	160.101		15-107		107	SPK: -150
4165-60-0	Nitrobenzene-d5	99.457		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	96.799		20-109		97	SPK: -100

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Report of Analysis

Client:				Date Collected:	12/4/2024 12:00:00 AM
Project:				Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	PB165356BL			SDG No.:	BG120524
Lab Sample ID:	PB165356BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063588.D	1	12/4/2024 12:00:00 AM	12/5/2024 12:00:00 AM	PB165356

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.196		10-116		89	SPK: -150
1718-51-0	Terphenyl-d14	105.976	*	10-105		106	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59732	7.824				
1146-65-2	Naphthalene-d8	241492	10.609				
15067-26-2	Acenaphthene-d10	205249	14.463				
1517-22-2	Phenanthrene-d10	603897	17.213				
1719-03-5	Chrysene-d12	684654	21.472				
1520-96-3	Perylene-d12	704516	24.504				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	390	A			4.939	

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Hit Summary Sheet
SW-846

SDG No.: BG120524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBG120524**							
SSTDICV040	ICVBG120524	Water	1,1-Biphenyl	40,000.000		910	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,2,4,5-Tetrachlorobenzene	37,600.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,2,4-Trichlorobenzene	36,500.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,2-Dichlorobenzene	36,700.000		880	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,3-Dichlorobenzene	37,400.000		800	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,4-Dichlorobenzene	37,500.000		840	5000	ug/L
SSTDICV040	ICVBG120524	Water	1,4-Dioxane	41,200.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	1-Methylnaphthalene	38,500.000		860	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,2-oxybis(1-Chloropropane)	43,000.000		1400	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,3,4,6-Tetrachlorophenol	37,600.000		790	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4,5-Trichlorophenol	38,800.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4,6-Trichlorophenol	40,400.000		890	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4-Dichlorophenol	38,100.000		880	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4-Dimethylphenol	40,100.000		1500	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4-Dinitrophenol	38,000.000		6400	10000	ug/L
SSTDICV040	ICVBG120524	Water	2,4-Dinitrotoluene	39,800.000		1500	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,6-Dinitrotoluene	41,300.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Chloronaphthalene	39,900.000		970	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Chlorophenol	39,000.000		710	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Methylnaphthalene	39,100.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Methylphenol	39,200.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Nitroaniline	44,600.000		1400	5000	ug/L
SSTDICV040	ICVBG120524	Water	2-Nitrophenol	39,600.000		2000	5000	ug/L
SSTDICV040	ICVBG120524	Water	3+4-Methylphenols	39,100.000		1200	10000	ug/L
SSTDICV040	ICVBG120524	Water	3,3-Dichlorobenzidine	41,900.000		1300	10000	ug/L
SSTDICV040	ICVBG120524	Water	3-Nitroaniline	43,100.000		1400	5000	ug/L
SSTDICV040	ICVBG120524	Water	4,6-Dinitro-2-methylphenol	40,900.000		3100	10000	ug/L
SSTDICV040	ICVBG120524	Water	4-Bromophenyl-phenylether	37,800.000		950	5000	ug/L
SSTDICV040	ICVBG120524	Water	4-Chloro-3-methylphenol	39,500.000		840	5000	ug/L
SSTDICV040	ICVBG120524	Water	4-Chloroaniline	43,200.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	4-Chlorophenyl-phenylether	38,100.000		980	5000	ug/L
SSTDICV040	ICVBG120524	Water	4-Nitroaniline	41,500.000		2000	5000	ug/L
SSTDICV040	ICVBG120524	Water	4-Nitrophenol	43,500.000		2000	10000	ug/L
SSTDICV040	ICVBG120524	Water	Acenaphthene	39,900.000		810	5000	ug/L
SSTDICV040	ICVBG120524	Water	Acenaphthylene	41,200.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	Acetophenone	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Aniline	42,100.000		1600	5000	ug/L

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Hit Summary Sheet
SW-846

SDG No.: BG120524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG120524	Water	Anthracene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Atrazine	34,900.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	Azobenzene	41,700.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzaldehyde	40,800.000		4000	10000	ug/L
SSTDICV040	ICVBG120524	Water	Benzidine	50,600.000		4100	10000	ug/L
SSTDICV040	ICVBG120524	Water	Benzo(a)anthracene	40,200.000		940	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzo(a)pyrene	40,900.000		1700	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzo(b)fluoranthene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzo(g,h,i)perylene	40,300.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzo(k)fluoranthene	40,700.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Benzoic acid	38,200.000		5500	10000	ug/L
SSTDICV040	ICVBG120524	Water	Benzyl Alcohol	39,800.000		1600	10000	ug/L
SSTDICV040	ICVBG120524	Water	bis(2-Chloroethoxy)methane	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	bis(2-Chloroethyl)ether	39,100.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Bis(2-ethylhexyl)phthalate	44,400.000		1900	5000	ug/L
SSTDICV040	ICVBG120524	Water	Butylbenzylphthalate	43,700.000		2100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Caprolactam	37,500.000		1700	10000	ug/L
SSTDICV040	ICVBG120524	Water	Carbazole	40,500.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Chrysene	39,800.000		860	5000	ug/L
SSTDICV040	ICVBG120524	Water	Di-n-butylphthalate	41,100.000		1500	5000	ug/L
SSTDICV040	ICVBG120524	Water	Di-n-octyl phthalate	44,500.000		2500	10000	ug/L
SSTDICV040	ICVBG120524	Water	Dibenzo(a,h)anthracene	41,000.000		1200	5000	ug/L
SSTDICV040	ICVBG120524	Water	Dibenzofuran	39,400.000		930	5000	ug/L
SSTDICV040	ICVBG120524	Water	Diethylphthalate	40,100.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	Dimethylphthalate	40,500.000		930	5000	ug/L
SSTDICV040	ICVBG120524	Water	Fluoranthene	37,000.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	Fluorene	39,500.000		960	5000	ug/L
SSTDICV040	ICVBG120524	Water	Hexachlorobenzene	37,900.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Hexachlorobutadiene	35,400.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	Hexachlorocyclopentadiene	38,900.000		5000	10000	ug/L
SSTDICV040	ICVBG120524	Water	Hexachloroethane	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	Indeno(1,2,3-cd)pyrene	41,200.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	Isophorone	39,700.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	n-Nitroso-di-n-propylamine	39,700.000		1500	2500	ug/L
SSTDICV040	ICVBG120524	Water	n-Nitrosodimethylamine	40,200.000		1000	10000	ug/L
SSTDICV040	ICVBG120524	Water	n-Nitrosodiphenylamine	40,100.000		890	5000	ug/L
SSTDICV040	ICVBG120524	Water	Naphthalene	39,300.000		1000	5000	ug/L
SSTDICV040	ICVBG120524	Water	Nitrobenzene	40,800.000		1300	5000	ug/L
SSTDICV040	ICVBG120524	Water	Pentachlorophenol	38,200.000		1900	10000	ug/L
SSTDICV040	ICVBG120524	Water	Phenanthrene	39,800.000		890	5000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BG120524

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBG120524	Water	Phenol	39,800.000		930	5000	ug/L
SSTDICV040	ICVBG120524	Water	Pyrene	40,900.000		1100	5000	ug/L
SSTDICV040	ICVBG120524	Water	Pyridine	40,500.000		1600	5000	ug/L
SSTDICV040	ICVBG120524	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	81,100.000		2700	10000	ug/L
SSTDICV040	ICVBG120524	Water	Total PAH	640,700.000		17360	80000	ug/L
			Total Svoc :	**3,925,000.00**				
			Total Concentration:	**3,925,000.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: Calibration Date(s): 12/5/2024

Calibration Time(s): 12:43

LAB FILE ID: RRF2.5 = BG063579.D RRF005 = BG063580.D RRF010 = BG063581.D
RRF020 = BG063582.D RRF040 = BG063583.D RRF050 = BG063584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.626	0.660	0.686	0.710	0.721	0.687	4.9
Pyridine		1.395	1.328	1.336	1.422	1.358	1.361	2.6
2-Fluorophenol		1.110	1.105	1.062	1.107	1.144	1.112	2.4
Benzaldehyde		1.265	1.245	1.198	1.060	0.828	1.119	16.2
Aniline		1.639	1.588	1.522	1.586	1.277	1.447	15.5
Phenol-d6		1.669	1.689	1.748	1.741	1.764	1.735	2.4
Phenol		1.783	1.860	1.787	1.851	1.901	1.852	2.9
bis(2-Chloroethyl)ether		1.276	1.266	1.275	1.282	1.290	1.304	4.8
2-Chlorophenol		1.110	1.136	1.066	1.101	1.125	1.113	2.2
1,2-Dichlorobenzene		1.547	1.385	1.373	1.379	1.315	1.372	6.2
1,3-Dichlorobenzene		1.472	1.385	1.356	1.332	1.303	1.347	4.9
1,4-Dichlorobenzene		1.420	1.504	1.421	1.402	1.351	1.395	4.5
Benzyl Alcohol		1.302	1.443	1.506	1.567	1.597	1.519	7.5
2-Methylphenol		1.136	1.124	1.157	1.211	1.231	1.188	4.2
2,2-oxybis(1-Chloropropane)		1.514	1.394	1.409	1.498	1.530	1.504	5.4
Acetophenone		0.638	0.573	0.617	0.612	0.587	0.601	4.3
3+4-Methylphenols		1.483	1.607	1.624	1.700	1.701	1.641	4.9
n-Nitroso-di-n-propylamine	1.249	1.352	1.275	1.314	1.364	1.374	1.334	3.7
Nitrobenzene-d5		0.492	0.489	0.519	0.516	0.514	0.511	3.5
Hexachloroethane		0.640	0.564	0.569	0.563	0.545	0.568	5.9
Nitrobenzene		0.551	0.516	0.543	0.553	0.559	0.550	3.8
Isophorone		0.889	0.850	0.913	0.940	0.915	0.907	3.5
2-Nitrophenol		0.161	0.155	0.159	0.163	0.156	0.161	2.9
2,4-Dimethylphenol		0.222	0.186	0.200	0.204	0.207	0.206	5.7
bis(2-Chloroethoxy)methane		0.464	0.434	0.436	0.462	0.452	0.452	3.0
2,4-Dichlorophenol		0.340	0.326	0.335	0.357	0.344	0.344	3.7
1,2,4-Trichlorobenzene		0.495	0.453	0.460	0.443	0.421	0.442	7.2
Benzoic acid			0.045	0.091	0.109	0.134	0.116	38.3
Naphthalene		1.124	1.014	1.002	1.011	0.980	1.012	5.4
4-Chloroaniline		0.341	0.324	0.339	0.339	0.307	0.308	13.1
Hexachlorobutadiene		0.447	0.414	0.390	0.389	0.362	0.384	10.1
Caprolactam		0.106	0.105	0.116	0.107	0.104	0.108	4.0
4-Chloro-3-methylphenol		0.409	0.412	0.417	0.422	0.421	0.420	2.7
2-Methylnaphthalene		0.845	0.767	0.776	0.774	0.748	0.771	4.8
Hexachlorocyclopentadiene			0.129	0.146	0.186	0.200	0.175	17.2
2,4,6-Trichlorophenol		0.371	0.367	0.397	0.406	0.418	0.398	5.2

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: Calibration Date(s): 12/5/2024

Calibration Time(s): 12:43

LAB FILE ID: RRF2.5 = BG063579.D RRF005 = BG063580.D RRF010 = BG063581.D
RRF020 = BG063582.D RRF040 = BG063583.D RRF050 = BG063584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.377	1.322	1.357	1.282	1.286	1.295	5.1
2,4,5-Trichlorophenol		0.463	0.413	0.466	0.471	0.493	0.467	5.5
1,1-Biphenyl		1.377	1.267	1.306	1.257	1.294	1.290	3.3
2-Chloronaphthalene		1.074	1.055	1.077	1.037	1.062	1.061	1.4
2-Nitroaniline		0.238	0.278	0.330	0.341	0.363	0.333	17.0
Dimethylphthalate		1.480	1.432	1.419	1.404	1.443	1.430	2.0
Acenaphthylene		1.580	1.495	1.566	1.547	1.581	1.550	2.1
2,6-Dinitrotoluene		0.257	0.294	0.297	0.285	0.307	0.294	6.6
3-Nitroaniline		0.222	0.231	0.251	0.243	0.246	0.241	4.5
Acenaphthene		1.000	0.976	0.971	0.957	0.985	0.973	1.9
2,4-Dinitrophenol			0.108	0.129	0.157	0.182	0.160	22.1
4-Nitrophenol		0.165	0.128	0.176	0.187	0.204	0.182	16.1
Dibenzofuran		1.971	1.822	1.846	1.739	1.769	1.797	5.3
2,4-Dinitrotoluene		0.434	0.409	0.424	0.414	0.447	0.430	3.4
Diethylphthalate		1.462	1.389	1.377	1.373	1.410	1.398	2.4
4-Chlorophenyl-phenylether		1.028	1.022	0.996	0.944	0.921	0.961	5.8
Fluorene		1.556	1.490	1.462	1.425	1.397	1.444	4.4
4-Nitroaniline		0.229	0.239	0.288	0.263	0.288	0.272	10.7
4,6-Dinitro-2-methylphenol		0.078	0.094	0.099	0.107	0.113	0.104	14.8
n-Nitrosodiphenylamine		0.460	0.432	0.438	0.450	0.446	0.455	5.2
Azobenzene		1.778	1.775	1.767	1.755	1.823	1.778	1.9
2,4,6-Tribromophenol		0.317	0.292	0.302	0.276	0.285	0.290	5.2
4-Bromophenyl-phenylether		0.249	0.235	0.230	0.239	0.233	0.240	4.9
Hexachlorobenzene		0.271	0.258	0.258	0.256	0.250	0.259	4.1
Atrazine		0.195	0.170	0.136	0.155	0.189	0.175	14.4
Pentachlorophenol			0.089	0.100	0.113	0.119	0.113	13.9
Phenanthrene		0.998	0.963	0.954	0.930	0.915	0.938	4.4
Anthracene		0.974	0.946	0.944	0.907	0.904	0.922	4.3
Carbazole		0.813	0.819	0.845	0.782	0.798	0.802	4.2
Di-n-butylphthalate		0.821	0.814	0.842	0.782	0.806	0.809	2.9
Fluoranthene		1.449	1.455	1.453	1.275	1.184	1.320	10.9
Benzidine		0.322	0.346	0.237	0.285	0.062	0.214	51.8
Pyrene		1.354	1.266	1.263	1.291	1.198	1.245	5.8
Terphenyl-d14		1.138	1.063	1.079	1.052	0.946	0.990	13.0
Butylbenzylphthalate		0.235	0.224	0.249	0.274	0.276	0.263	10.2
3,3-Dichlorobenzidine		0.379	0.369	0.387	0.406	0.369	0.380	3.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG No.: BG120524

Instrument ID: Calibration Date(s): 12/5/2024

Calibration Time(s): 12:43

LAB FILE ID: RRF2.5 = BG063579.D RRF005 = BG063580.D RRF010 = BG063581.D
RRF020 = BG063582.D RRF040 = BG063583.D RRF050 = BG063584.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.368	1.287	1.285	1.295	1.238	1.271	4.7
Chrysene		1.263	1.236	1.225	1.248	1.195	1.209	4.5
Bis(2-ethylhexyl)phthalate		0.370	0.361	0.378	0.408	0.406	0.397	7.0
Di-n-octyl phthalate		0.620	0.617	0.666	0.711	0.727	0.692	8.3
Benzo(b)fluoranthene		1.293	1.352	1.240	1.233	1.238	1.248	4.6
Benzo(k)fluoranthene		1.238	1.297	1.221	1.200	1.202	1.207	4.5
Benzo(a)pyrene		1.084	1.058	1.098	1.085	1.062	1.072	1.7
Indeno(1,2,3-cd)pyrene		1.352	1.218	1.312	1.331	1.301	1.310	3.3
Dibenzo(a,h)anthracene		1.092	0.993	1.099	1.112	1.074	1.080	3.7
Benzo(g,h,i)perylene		1.108	1.036	1.114	1.108	1.131	1.100	2.7
1,2,4,5-Tetrachlorobenzene		0.810	0.779	0.802	0.757	0.746	0.766	4.2
1,4-Dioxane		0.511	0.532	0.539	0.485	0.437	0.482	9.7
2,3,4,6-Tetrachlorophenol		0.457	0.451	0.463	0.439	0.461	0.456	2.2
1-Methylnaphthalene		0.833	0.757	0.793	0.779	0.751	0.770	4.8

All other compounds must meet a minimum RRF of 0.010.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 5 2024 12:00AM

Lab File ID: BG063583.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	67313	7.824	272906	10.61	247459	14.46
	UPPER LIMIT	134626	8.324	545812	11.109	494918	14.963
	LOWER LIMIT	33656.5	7.324	136453	10.109	123729.5	13.963
	EPA SAMPLE NO.						
01	ICVBG120524	82941	7.82	331608	10.61	274678	14.46
02	PB165356BL	59732	7.82	241492	10.61	205249	14.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 5 2024 12:00AM

Lab File ID: BG063583.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	67313	7.824	272906	10.61	247459	14.46
	UPPER LIMIT	134626	8.324	545812	11.109	494918	14.963
	LOWER LIMIT	33656.5	7.324	136453	10.109	123729.5	13.963
	EPA SAMPLE NO.						
01	ICVBG120524	82941	7.82	331608	10.61	274678	14.46
02	PB165356BL	59732	7.82	241492	10.61	205249	14.46

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IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 5 2024 12:00AM

Lab File ID: BG063583.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	664474	17.219	661935	21.473	700174	24.511
	UPPER LIMIT	1328948	17.719	1323870	21.973	1400348	25.011
	LOWER LIMIT	332237	16.719	330967.5	20.973	350087	24.011
	EPA SAMPLE NO.						
01	ICVBG120524	742596	17.22	734706	21.47	767308	24.51
02	PB165356BL	603897	17.21	684654	21.47	704516	24.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 5 2024 12:00AM

Lab File ID: BG063583.D Time Analyzed: 17:44

Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	664474	17.219	661935	21.473	700174	24.511
	UPPER LIMIT	1328948	17.719	1323870	21.973	1400348	25.011
	LOWER LIMIT	332237	16.719	330967.5	20.973	350087	24.011
	EPA SAMPLE NO.						
01	ICVBG120524	742596	17.22	734706	21.47	767308	24.51
02	PB165356BL	603897	17.21	684654	21.47	704516	24.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method: **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBG120524

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

Lab File ID: BG063587.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_G Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 12/05/2024

Level: (low/med) LOW Time Analyzed: 17:44

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBG120524	SSTDICV040	BG063587.D	12/05/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165356BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG120524 SAS No.: BG120524 SDG NO.: BG120524

Lab File ID: BG063588.D Lab Sample ID: PB165356BL

Instrument ID: BNA_G Date Extracted: 12/04/2024

Matrix: (soil/water) Solid Date Analyzed: 12/05/2024

Level: (low/med) LOW Time Analyzed: 18:22

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BG120524

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBG120524	BG063587.D	2-Fluorophenol	150	77,437.00	51625	*	10	139
			Phenol-d6	150	77,644.00	51763	*	10	134
			Nitrobenzene-d5	100	79,132.00	79132	*	49	133
			2-Fluorobiphenyl	100	78,940.00	78940	*	52	132
			2,4,6-Tribromophenol	150	75,193.00	50129	*	44	137
			Terphenyl-d14	100	82,505.00	82505	*	48	125

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Surrogate Summary

SW-846

SDG No.: BG120524

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165356BL	PB165356BL	BG063588.D	2-Fluorophenol	150	173.81	116	*	18	112
			Phenol-d6	150	160.10	107		15	107
			Nitrobenzene-d5	100	99.46	99		18	107
			2-Fluorobiphenyl	100	96.80	97		20	109
			2,4,6-Tribromophenol	150	134.20	89		10	116
			Terphenyl-d14	100	105.98	106	*	10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG120524

Lab Code: CHEM SAS No.: BG120524 SDG NO.: BG120524

Lab File ID: BG063578.D DFTPP Injection Date: 12/05/2024

Instrument ID: BNA_G DFTPP Injection Time: 11:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	41.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.5
275	10.0 - 60.0% of mass 198	34.9
365	Greater than 1% of mass 198	6.1
441	Present, but less than mass 443	13.4
442	Greater than 50% of mass 198	82.3
443	15.0 - 24.0% of mass 442	16.5 (20) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG063579.D	12/05/2024	12:43
SSTDICC005	SSTDICC005	BG063580.D	12/05/2024	13:21
SSTDICC010	SSTDICC010	BG063581.D	12/05/2024	13:58
SSTDICC020	SSTDICC020	BG063582.D	12/05/2024	14:36
SSTDICCC040	SSTDICCC040	BG063583.D	12/05/2024	15:14
SSTDICC050	SSTDICC050	BG063584.D	12/05/2024	15:51
SSTDICC060	SSTDICC060	BG063585.D	12/05/2024	16:29
SSTDICC080	SSTDICC080	BG063586.D	12/05/2024	17:07
ICVBG120524	SSTDICV040	BG063587.D	12/05/2024	17:44
PB165356BL	PB165356BL	BG063588.D	12/05/2024	18:22