

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG No.: BP120424

Instrument ID: BNA_P Calibration Date/Time: 12/4/2024 1:15:36

Lab File ID: BP023333.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	0.632	0.612		-3.165	
Pyridine	1.193	1.247		4.526	
2-Fluorophenol	1.037	1.027		-0.964	
Benzaldehyde	0.781	0.662		-15.237	
Aniline	1.167	1.327		13.71	
Phenol-d6	1.473	1.582		7.4	
Phenol	1.483	1.581		6.608	20.0
bis(2-Chloroethyl) ether	1.191	1.218		2.267	
2-Chlorophenol	1.080	1.128		4.444	
1,2-Dichlorobenzene	1.392	1.390		-0.144	
1,3-Dichlorobenzene	1.412	1.402		-0.708	
1,4-Dichlorobenzene	1.443	1.435		-0.554	20.0
Benzyl Alcohol	1.134	1.254		10.582	
2-Methylphenol	0.985	1.066		8.223	
2,2-oxybis(1-Chloropropane)	1.403	1.419		1.14	
Acetophenone	0.537	0.530		-1.304	
3+4-Methylphenols	1.351	1.515		12.139	
n-Nitroso-di-n-propylamine	1.063	1.163	0.050	9.407	
Nitrobenzene-d5	0.451	0.446		-1.109	
Hexachloroethane	0.551	0.547		-0.726	
Nitrobenzene	0.462	0.456		-1.299	
Isophorone	0.754	0.792		5.04	
2-Nitrophenol	0.170	0.178		4.706	20.0
2,4-Dimethylphenol	0.196	0.204		4.082	
bis(2-Chloroethoxy) methane	0.426	0.432		1.408	
2,4-Dichlorophenol	0.337	0.359		6.528	20.0
1,2,4-Trichlorobenzene	0.444	0.444		0.0	
Benzoic acid	0.227	0.259		14.097	
Naphthalene	1.012	0.991		-2.075	
4-Chloroaniline	0.316	0.363		14.873	
Hexachlorobutadiene	0.333	0.326		-2.102	20.0
Caprolactam	0.099	0.120		21.212	
4-Chloro-3-methylphenol	0.376	0.422		12.234	20.0
2-Methylnaphthalene	0.739	0.771		4.33	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.198	
2,4,6-Trichlorophenol	0.419	0.433		3.341	20.0
2-Fluorobiphenyl	1.402	1.339		-4.494	
2,4,5-Trichlorophenol	0.465	0.484		4.086	
1,1-Biphenyl	1.349	1.286		-4.67	

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Instrument ID: BNA_P Calibration Date/Time: 12/4/2024 1:15:36

Lab File ID: BP023333.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	1.105	1.047		-5.249	
2-Nitroaniline	0.329	0.351		6.687	
Dimethylphthalate	1.440	1.462		1.528	
Acenaphthylene	1.543	1.541		-0.13	
2,6-Dinitrotoluene	0.323	0.346		7.121	
3-Nitroaniline	0.245	0.285		16.327	
Acenaphthene	0.999	0.985		-1.401	20.0
2,4-Dinitrophenol	0.198	0.222	0.050	12.121	
4-Nitrophenol	0.201	0.234	0.050	16.418	
Dibenzofuran	1.751	1.758		0.4	
2,4-Dinitrotoluene	0.463	0.509		9.935	
Diethylphthalate	1.459	1.515		3.838	
4-Chlorophenyl-phenylether	0.852	0.877		2.934	
Fluorene	1.442	1.496		3.745	
4-Nitroaniline	0.251	0.291		15.936	
4,6-Dinitro-2-methylphenol	0.118	0.124		5.085	
n-Nitrosodiphenylamine	0.496	0.474		-4.435	20.0
Azobenzene	1.396	1.391		-0.358	
2,4,6-Tribromophenol	0.344	0.397		15.407	
4-Bromophenyl-phenylether	0.237	0.235		-0.844	
Hexachlorobenzene	0.289	0.287		-0.692	
Atrazine	0.176	0.155		-11.932	
Pentachlorophenol	0.177	0.191		7.91	20.0
Phenanthrene	0.963	0.936		-2.804	
Anthracene	0.923	0.915		-0.867	
Carbazole	0.854	0.863		1.054	
Di-n-butylphthalate	1.003	1.039		3.589	
Fluoranthene	1.326	1.344		1.357	20.0
Benzidine	0.290	0.512		76.552	
Pyrene	1.224	1.211		-1.062	
Terphenyl-d14	1.085	1.103		1.659	
Butylbenzylphthalate	0.414	0.426		2.899	
3,3-Dichlorobenzidine	0.471	0.502		6.582	
Benzo(a)anthracene	1.249	1.218		-2.482	
Chrysene	1.200	1.149		-4.25	
Bis(2-ethylhexyl)phthalate	0.613	0.624		1.794	
Di-n-octyl phthalate	1.016	0.993		-2.264	20.0
Benzo(b)fluoranthene	1.186	1.183		-0.253	
Benzo(k)fluoranthene	1.136	1.144		0.704	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG No.: BP120424

Instrument ID: BNA_P Calibration Date/Time: 12/4/2024 1:15:36

Lab File ID: BP023333.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	1.015	1.025		1.085	20.0
Indeno(1,2,3-cd)pyrene	1.358	1.356		-0.147	
Dibenzo(a,h)anthracene	1.112	1.112		0.0	
Benzo(g,h,i)perylene	1.128	1.120		-0.709	
1,2,4,5-Tetrachlorobenzene	0.690	0.660		-4.348	
1,4-Dioxane	0.486	0.450		-7.407	20.0
2,3,4,6-Tetrachlorophenol	0.450	0.486		8.0	
1-Methylnaphthalene	0.735	0.787		7.075	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP120424			SDG No.:	BP120424		
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 :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023337.D	1		12/4/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41000		1000	8000	10000	ug/L
110-86-1	Pyridine	44800		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	4000	U	4000	8000	10000	ug/L
62-53-3	Aniline	47900		1600	4000	5000	ug/L
108-95-2	Phenol	44200		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	41400		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	42600		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39900		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39500		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39700		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	46100		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	44300		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42000		1400	4000	5000	ug/L
98-86-2	Acetophenone	39900		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	45400		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45000		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39400		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39800		1300	4000	5000	ug/L
78-59-1	Isophorone	41800		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	42000		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	41400		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40800		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41800		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	37200		1100	4000	5000	ug/L
65-85-0	Benzoic acid	46300		5500	8000	10000	ug/L
91-20-3	Naphthalene	38900		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	45900		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	35900		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP120424			SDG No.:	BP120424		
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
BP023337.D	1		12/4/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	47600		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	44600		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40100		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	38100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	40900		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	41700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38700		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38600		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	45000		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40400		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40400		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	42500		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	47600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	39900		810	4000	5000	ug/L
Total PAH	Total PAH	640100		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	43300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	43900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	40500		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	44400		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	86900		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	41800		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39900		980	4000	5000	ug/L
86-73-7	Fluorene	40900		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	47000		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42000		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39800		890	4000	5000	ug/L
103-33-3	Azobenzene	41200		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39000		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38300		1100	4000	5000	ug/L
1912-24-9	Atrazine	36300		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP120424			SDG No.:	BP120424		
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
BP023337.D	1		12/4/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	42000		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39200		890	4000	5000	ug/L
120-12-7	Anthracene	40600		1100	4000	5000	ug/L
86-74-8	Carbazole	41600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42400		1500	4000	5000	ug/L
206-44-0	Fluoranthene	39900		1300	4000	5000	ug/L
92-87-5	Benzidine	59900		4100	8000	10000	ug/L
129-00-0	Pyrene	41300		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	44500		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	42900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39700		940	4000	5000	ug/L
218-01-9	Chrysene	39000		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43000		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	41900		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40600		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40800		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	41000		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39400		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	38900		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	39600		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	37000		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	38300		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	41200		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40900		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	83979	*	10-139		55986	SPK: -150
13127-88-3	Phenol-d6	88215	*	10-134		58810	SPK: -150
4165-60-0	Nitrobenzene-d5	79443	*	49-133		79443	SPK: -100
321-60-8	2-Fluorobiphenyl	75570	*	52-132		75570	SPK: -100

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP120424			SDG No.:	BP120424		
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
BP023337.D	1		12/4/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82161	*	44-137		54774	SPK: -150
1718-51-0	Terphenyl-d14	82936	*	48-125		82936	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128091	7.534				
1146-65-2	Naphthalene-d8	522465	10.281				
15067-26-2	Acenaphthene-d10	436353	14.157				
1517-22-2	Phenanthrene-d10	1122980	16.963				
1719-03-5	Chrysene-d12	1221043	21.398				
1520-96-3	Perylene-d12	1355389	24.58				

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.:	BP120424
Lab Sample ID:	PB165356BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP023338.D	1	12/4/2024 12:00:00 AM	12/4/2024 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

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.:	BP120424
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
BP023338.D	1	12/4/2024 12:00:00 AM	12/4/2024 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

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.:	BP120424
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
BP023338.D	1	12/4/2024 12:00:00 AM	12/4/2024 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	167.012		18-112		111	SPK: -150
13127-88-3	Phenol-d6	150.29		15-107		100	SPK: -150
4165-60-0	Nitrobenzene-d5	102.472		18-107		102	SPK: -100
321-60-8	2-Fluorobiphenyl	104.8		20-109		105	SPK: -100

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.:	BP120424
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
BP023338.D	1	12/4/2024 12:00:00 AM	12/4/2024 12:00:00 AM	PB165356

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.738		10-116		89	SPK: -150
1718-51-0	Terphenyl-d14	110.799	*	10-105		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	99180	7.546				
1146-65-2	Naphthalene-d8	345186	10.293				
15067-26-2	Acenaphthene-d10	244539	14.163				
1517-22-2	Phenanthrene-d10	528290	16.969				
1719-03-5	Chrysene-d12	508553	21.398				
1520-96-3	Perylene-d12	591299	24.586				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	360	A			4.734	
055373-86-9	Docosane, 7-hexyl-	130	J			22.504	

Hit Summary Sheet SW-846

SDG No.: BP120424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ICVBP120424							
SSTDICV040	ICVBP120424	Water	1,1-Biphenyl	38,700.000		910	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,2,4,5-Tetrachlorobenzene	37,000.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,2,4-Trichlorobenzene	37,200.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,2-Dichlorobenzene	39,900.000		880	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,3-Dichlorobenzene	39,500.000		800	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,4-Dichlorobenzene	39,700.000		840	5000	ug/L
SSTDICV040	ICVBP120424	Water	1,4-Dioxane	38,300.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	1-Methylnaphthalene	40,900.000		860	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,2-oxybis(1-Chloropropane)	42,000.000		1400	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,3,4,6-Tetrachlorophenol	41,200.000		790	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4,5-Trichlorophenol	41,700.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4,6-Trichlorophenol	40,900.000		890	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4-Dichlorophenol	41,800.000		880	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4-Dimethylphenol	41,400.000		1500	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4-Dinitrophenol	43,300.000		6400	10000	ug/L
SSTDICV040	ICVBP120424	Water	2,4-Dinitrotoluene	44,400.000		1500	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,6-Dinitrotoluene	42,500.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Chloronaphthalene	38,600.000		970	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Chlorophenol	42,600.000		710	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Methylnaphthalene	40,100.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Methylphenol	44,300.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Nitroaniline	45,000.000		1400	5000	ug/L
SSTDICV040	ICVBP120424	Water	2-Nitrophenol	42,000.000		2000	5000	ug/L
SSTDICV040	ICVBP120424	Water	3+4-Methylphenols	45,400.000		1200	10000	ug/L
SSTDICV040	ICVBP120424	Water	3,3-Dichlorobenzidine	42,900.000		1300	10000	ug/L
SSTDICV040	ICVBP120424	Water	3-Nitroaniline	47,600.000		1400	5000	ug/L
SSTDICV040	ICVBP120424	Water	4,6-Dinitro-2-methylphenol	42,000.000		3100	10000	ug/L
SSTDICV040	ICVBP120424	Water	4-Bromophenyl-phenylether	39,000.000		950	5000	ug/L
SSTDICV040	ICVBP120424	Water	4-Chloro-3-methylphenol	44,600.000		840	5000	ug/L
SSTDICV040	ICVBP120424	Water	4-Chloroaniline	45,900.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	4-Chlorophenyl-phenylether	39,900.000		980	5000	ug/L
SSTDICV040	ICVBP120424	Water	4-Nitroaniline	47,000.000		2000	5000	ug/L
SSTDICV040	ICVBP120424	Water	4-Nitrophenol	43,900.000		2000	10000	ug/L
SSTDICV040	ICVBP120424	Water	Acenaphthene	39,900.000		810	5000	ug/L
SSTDICV040	ICVBP120424	Water	Acenaphthylene	40,400.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	Acetophenone	39,900.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Aniline	47,900.000		1600	5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BP120424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP120424	Water	Anthracene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Atrazine	36,300.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	Azobenzene	41,200.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzidine	59,900.000		4100	10000	ug/L
SSTDICV040	ICVBP120424	Water	Benzo(a)anthracene	39,700.000		940	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzo(a)pyrene	41,000.000		1700	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzo(b)fluoranthene	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzo(g,h,i)perylene	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzo(k)fluoranthene	40,800.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Benzoic acid	46,300.000		5500	10000	ug/L
SSTDICV040	ICVBP120424	Water	Benzyl Alcohol	46,100.000		1600	10000	ug/L
SSTDICV040	ICVBP120424	Water	bis(2-Chloroethoxy)methane	40,800.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	bis(2-Chloroethyl)ether	41,400.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Bis(2-ethylhexyl)phthalate	43,000.000		1900	5000	ug/L
SSTDICV040	ICVBP120424	Water	Butylbenzylphthalate	44,500.000		2100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Caprolactam	47,600.000		1700	10000	ug/L
SSTDICV040	ICVBP120424	Water	Carbazole	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Chrysene	39,000.000		860	5000	ug/L
SSTDICV040	ICVBP120424	Water	Di-n-butylphthalate	42,400.000		1500	5000	ug/L
SSTDICV040	ICVBP120424	Water	Di-n-octyl phthalate	41,900.000		2500	10000	ug/L
SSTDICV040	ICVBP120424	Water	Dibenzo(a,h)anthracene	38,900.000		1200	5000	ug/L
SSTDICV040	ICVBP120424	Water	Dibenzofuran	40,500.000		930	5000	ug/L
SSTDICV040	ICVBP120424	Water	Diethylphthalate	41,800.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	Dimethylphthalate	40,400.000		930	5000	ug/L
SSTDICV040	ICVBP120424	Water	Fluoranthene	39,900.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	Fluorene	40,900.000		960	5000	ug/L
SSTDICV040	ICVBP120424	Water	Hexachlorobenzene	38,300.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Hexachlorobutadiene	35,900.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	Hexachlorocyclopentadiene	38,100.000		5000	10000	ug/L
SSTDICV040	ICVBP120424	Water	Hexachloroethane	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	Indeno(1,2,3-cd)pyrene	39,400.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	Isophorone	41,800.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	n-Nitroso-di-n-propylamine	45,000.000		1500	2500	ug/L
SSTDICV040	ICVBP120424	Water	n-Nitrosodimethylamine	41,000.000		1000	10000	ug/L
SSTDICV040	ICVBP120424	Water	n-Nitrosodiphenylamine	39,800.000		890	5000	ug/L
SSTDICV040	ICVBP120424	Water	Naphthalene	38,900.000		1000	5000	ug/L
SSTDICV040	ICVBP120424	Water	Nitrobenzene	39,800.000		1300	5000	ug/L
SSTDICV040	ICVBP120424	Water	Pentachlorophenol	42,000.000		1900	10000	ug/L
SSTDICV040	ICVBP120424	Water	Phenanthrene	39,200.000		890	5000	ug/L
SSTDICV040	ICVBP120424	Water	Phenol	44,200.000		930	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.: BP120424

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP120424	Water	Pyrene	41,300.000		1100	5000	ug/L
SSTDICV040	ICVBP120424	Water	Pyridine	44,800.000		1600	5000	ug/L
SSTDICV040	ICVBP120424	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	86,900.000		2700	10000	ug/L
SSTDICV040	ICVBP120424	Water	Total PAH	640,100.000		17360	80000	ug/L
Total Svoc :				4,021,900.00				
Total Concentration:				4,021,900.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BP120424

SAS No.: BP120424

SDG No.: BP120424

Instrument ID:

Calibration Date(s): 12/4/2024 :

Calibration Time(s): 12:53

LAB FILE ID:		RRF2.5 = BP023329.D			RRF005 = BP023330.D		RRF010 = BP023331.D	
		RRF020 = BP023332.D			RRF040 = BP023333.D		RRF050 = BP023334.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.710	0.686	0.676	0.612	0.558	0.632	9.5
Pyridine		1.189	1.229	1.295	1.247	1.071	1.193	6.1
2-Fluorophenol		0.992	1.011	1.039	1.027	0.967	1.037	5.6
Benzaldehyde		1.046	0.968	0.989	0.662	0.576	0.781	32.2
Aniline		1.215	1.302	1.267	1.327	0.925	1.167	15.1
Phenol-d6		1.430	1.387	1.477	1.582	1.346	1.473	6.1
Phenol		1.446	1.412	1.499	1.581	1.354	1.483	5.6
bis(2-Chloroethyl)ether		1.229	1.177	1.178	1.218	1.080	1.191	4.6
2-Chlorophenol		1.104	1.065	1.086	1.128	0.956	1.080	5.5
1,2-Dichlorobenzene		1.528	1.415	1.397	1.390	1.315	1.392	5.0
1,3-Dichlorobenzene		1.521	1.471	1.417	1.402	1.341	1.412	4.6
1,4-Dichlorobenzene		1.618	1.424	1.439	1.435	1.386	1.443	5.5
Benzyl Alcohol		1.095	1.062	1.087	1.254	1.093	1.134	6.1
2-Methylphenol		0.982	0.927	0.989	1.066	0.940	0.985	4.6
2,2-oxybis(1-Chloropropane)		1.595	1.488	1.495	1.419	1.238	1.403	9.9
Acetophenone		0.552	0.547	0.546	0.530	0.524	0.537	2.7
3+4-Methylphenols		1.253	1.279	1.339	1.515	1.303	1.351	6.5
n-Nitroso-di-n-propylamine	1.135	1.082	1.079	1.095	1.163	0.941	1.063	7.1
Nitrobenzene-d5		0.459	0.460	0.466	0.446	0.437	0.451	3.4
Hexachloroethane		0.598	0.566	0.574	0.547	0.517	0.551	5.6
Nitrobenzene		0.470	0.466	0.480	0.456	0.450	0.462	3.0
Isophorone		0.756	0.748	0.767	0.792	0.716	0.754	3.3
2-Nitrophenol		0.142	0.158	0.163	0.178	0.179	0.170	9.3
2,4-Dimethylphenol		0.195	0.182	0.193	0.204	0.198	0.196	4.0
bis(2-Chloroethoxy)methane		0.422	0.422	0.446	0.432	0.412	0.426	3.2
2,4-Dichlorophenol		0.304	0.305	0.330	0.359	0.344	0.337	7.2
1,2,4-Trichlorobenzene		0.456	0.437	0.439	0.444	0.450	0.444	1.6
Benzoic acid			0.163	0.199	0.259	0.236	0.227	17.1
Naphthalene		1.074	1.032	1.015	0.991	0.983	1.012	3.3
4-Chloroaniline		0.303	0.323	0.327	0.363	0.316	0.316	8.3
Hexachlorobutadiene		0.357	0.336	0.329	0.326	0.335	0.333	3.5
Caprolactam		0.077	0.095	0.089	0.120	0.097	0.099	14.3
4-Chloro-3-methylphenol		0.315	0.364	0.373	0.422	0.370	0.376	8.8
2-Methylnaphthalene		0.726	0.724	0.742	0.771	0.722	0.739	2.3
Hexachlorocyclopentadiene		0.128	0.145	0.189	0.186	0.218	0.182	18.7
2,4,6-Trichlorophenol		0.375	0.377	0.414	0.433	0.441	0.419	7.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BP120424

SAS No.: BP120424

SDG No.: BP120424

Instrument ID: _____

Calibration Date(s): 12/4/2024 : _____

Calibration Time(s): 12:53 : _____

LAB FILE ID:		RRF2.5 = BP023329.D			RRF005 = BP023330.D		RRF010 = BP023331.D	
		RRF020 = BP023332.D			RRF040 = BP023333.D		RRF050 = BP023334.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.495	1.349	1.442	1.339	1.413	1.402	4.1
2,4,5-Trichlorophenol		0.407	0.423	0.457	0.484	0.488	0.465	8.1
1,1-Biphenyl		1.435	1.334	1.387	1.286	1.335	1.349	4.0
2-Chloronaphthalene		1.171	1.082	1.144	1.047	1.099	1.105	4.0
2-Nitroaniline		0.268	0.312	0.340	0.351	0.331	0.329	9.6
Dimethylphthalate		1.472	1.475	1.433	1.462	1.379	1.440	2.3
Acenaphthylene		1.552	1.522	1.582	1.541	1.521	1.543	1.6
2,6-Dinitrotoluene		0.303	0.309	0.315	0.346	0.324	0.323	4.6
3-Nitroaniline		0.206	0.228	0.249	0.285	0.254	0.245	10.1
Acenaphthene		1.026	0.998	1.024	0.985	0.981	0.999	2.0
2,4-Dinitrophenol			0.147	0.165	0.222	0.209	0.198	16.9
4-Nitrophenol			0.122	0.169	0.234	0.217	0.201	23.0
Dibenzofuran		1.836	1.742	1.751	1.758	1.710	1.751	2.3
2,4-Dinitrotoluene		0.391	0.443	0.440	0.509	0.471	0.463	9.0
Diethylphthalate		1.472	1.475	1.431	1.515	1.397	1.459	2.6
4-Chlorophenyl-phenylether		0.848	0.836	0.830	0.877	0.842	0.852	2.1
Fluorene		1.420	1.430	1.417	1.496	1.404	1.442	2.4
4-Nitroaniline		0.188	0.231	0.215	0.291	0.266	0.251	15.9
4,6-Dinitro-2-methylphenol		0.090	0.101	0.114	0.124	0.130	0.118	14.4
n-Nitrosodiphenylamine		0.515	0.480	0.516	0.474	0.496	0.496	3.4
Azobenzene		1.461	1.499	1.469	1.391	1.281	1.396	6.2
2,4,6-Tribromophenol		0.306	0.315	0.303	0.397	0.360	0.344	11.7
4-Bromophenyl-phenylether		0.243	0.220	0.243	0.235	0.243	0.237	3.5
Hexachlorobenzene		0.299	0.269	0.287	0.287	0.297	0.289	3.9
Atrazine		0.199	0.191	0.135	0.155	0.152	0.176	15.8
Pentachlorophenol		0.154	0.157	0.166	0.191	0.188	0.177	10.1
Phenanthrene		0.996	0.960	0.967	0.936	0.955	0.963	1.9
Anthracene		0.936	0.897	0.929	0.915	0.935	0.923	1.6
Carbazole		0.799	0.851	0.851	0.863	0.863	0.854	3.3
Di-n-butylphthalate		0.940	0.987	1.001	1.039	1.005	1.003	3.8
Fluoranthene		1.294	1.351	1.277	1.344	1.320	1.326	2.4
Benzidine		0.324	0.293	0.167	0.512	0.183	0.290	40.6
Pyrene		1.171	1.139	1.234	1.211	1.220	1.224	4.8
Terphenyl-d14		1.054	0.999	1.105	1.103	1.088	1.085	4.2
Butylbenzylphthalate		0.362	0.379	0.420	0.426	0.423	0.414	8.3
3,3-Dichlorobenzidine		0.426	0.423	0.468	0.502	0.481	0.471	7.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG No.: BP120424
Instrument ID: _____ Calibration Date(s): 12/4/2024 : _____
Calibration Time(s): 12:53 _____

LAB FILE ID:		RRF2.5 = BP023329.D			RRF005 = BP023330.D		RRF010 = BP023331.D	
		RRF020 = BP023332.D			RRF040 = BP023333.D		RRF050 = BP023334.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.247	1.232	1.266	1.218	1.263	1.249	1.8
Chrysene		1.243	1.199	1.211	1.149	1.185	1.200	2.7
Bis(2-ethylhexyl)phthalate		0.532	0.567	0.612	0.624	0.623	0.613	8.3
Di-n-octyl phthalate		0.968	0.950	1.052	0.993	1.021	1.016	5.3
Benzo(b)fluoranthene		1.131	1.161	1.193	1.183	1.195	1.186	3.1
Benzo(k)fluoranthene		1.173	1.117	1.125	1.144	1.099	1.136	2.2
Benzo(a)pyrene		0.984	0.966	1.011	1.025	1.019	1.015	3.2
Indeno(1,2,3-cd)pyrene		1.410	1.231	1.359	1.356	1.377	1.358	4.3
Dibenzo(a,h)anthracene		1.166	1.009	1.109	1.112	1.119	1.112	4.4
Benzo(g,h,i)perylene		1.188	1.028	1.122	1.120	1.147	1.128	4.4
1,2,4,5-Tetrachlorobenzene		0.728	0.657	0.700	0.660	0.708	0.690	3.7
1,4-Dioxane		0.597	0.572	0.543	0.450	0.404	0.486	16.9
2,3,4,6-Tetrachlorophenol		0.425	0.435	0.415	0.486	0.460	0.450	6.2
1-Methylnaphthalene		0.724	0.730	0.729	0.787	0.712	0.735	3.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG NO.: BP120424

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 4 2024 12:00AM

Lab File ID: BP023333.D Time Analyzed: 19:00

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	134043	7.54	539751	10.28	479992	14.16
UPPER LIMIT	268086	8.04	1079502	10.781	959984	14.663
LOWER LIMIT	67021.5	7.04	269875.5	9.781	239996	13.663
EPA SAMPLE NO.						
01 ICVBP120424	128091	7.53	522465	10.28	436353	14.16
02 PB165356BL	99180	7.55	345186	10.29	244539	14.16

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG NO.: BP120424

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 4 2024 12:00AM

Lab File ID: BP023333.D Time Analyzed: 19:00

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	134043	7.54	539751	10.28	479992	14.16
UPPER LIMIT	268086	8.04	1079502	10.781	959984	14.663
LOWER LIMIT	67021.5	7.04	269875.5	9.781	239996	13.663
EPA SAMPLE NO.						
01 ICVBP120424	128091	7.53	522465	10.28	436353	14.16
02 PB165356BL	99180	7.55	345186	10.29	244539	14.16

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG NO.: BP120424

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 4 2024 12:00AM

Lab File ID: BP023333.D Time Analyzed: 19:00

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.30044e+01	16.975	1.47024e+01	21.41	1.64738e+01	24.604
UPPER LIMIT	2600880	17.475	2940480	21.91	3294760	25.104
LOWER LIMIT	650220	16.475	735120	20.91	823690	24.104
EPA SAMPLE NO.						
01 ICVBP120424	1.12298	16.96	1.22104e+01	21.40	1.35539e+01	24.58
02 PB165356BL	528290 *	16.97	508553 *	21.40	591299 *	24.59

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP120424 SAS No.: BP120424 SDG NO.: BP120424

EPA Sample No.: SSTDICCC040 Date Analyzed: Dec 4 2024 12:00AM

Lab File ID: BP023333.D Time Analyzed: 19:00

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.30044e+01	16.975	1.47024e+01	21.41	1.64738e+01	24.604
UPPER LIMIT	2600880	17.475	2940480	21.91	3294760	25.104
LOWER LIMIT	650220	16.475	735120	20.91	823690	24.104
EPA SAMPLE NO.						
01 ICVBP120424	1.12298	16.96	1.22104e+01	21.40	1.35539e+01	24.58
02 PB165356BL	528290 *	16.97	508553 *	21.40	591299 *	24.59

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.



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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

DataFile:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP120424

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP120424

SAS No.: BP120424 SDG NO.: BP120424

Lab File ID: BP023337.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_P

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 12/04/2024

Level: (low/med) LOW

Time Analyzed: 19:00

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP120424	SSTDICV040	BP023337.D	12/04/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165356BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP120424

SAS No.: BP120424 SDG NO.: BP120424

Lab File ID: BP023338.D

Lab Sample ID: PB165356BL

Instrument ID: BNA_P

Date Extracted: 12/04/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/04/2024

Level: (low/med) LOW

Time Analyzed: 19:40

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

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

COMMENTS:

Surrogate Summary

SW-846

SDG No.: BP120424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBP120424	BP023337.D	2-Fluorophenol	150	83,979.00	55986	*	10	139
			Phenol-d6	150	88,215.00	58810	*	10	134
			Nitrobenzene-d5	100	79,443.00	79443	*	49	133
			2-Fluorobiphenyl	100	75,570.00	75570	*	52	132
			2,4,6-Tribromophenol	150	82,161.00	54774	*	44	137
			Terphenyl-d14	100	82,936.00	82936	*	48	125

Surrogate Summary

SW-846

SDG No.: BP120424

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165356BL	PB165356BL	BP023338.D	2-Fluorophenol	150	167.01	111		18	112
			Phenol-d6	150	150.29	100		15	107
			Nitrobenzene-d5	100	102.47	102		18	107
			2-Fluorobiphenyl	100	104.80	105		20	109
			2,4,6-Tribromophenol	150	133.74	89		10	116
			Terphenyl-d14	100	110.80	111	*	10	105

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP120424

Lab Code: CHEM

SAS No.: BP120424 SDG NO.: BP120424

Lab File ID: BP023328.D

DFTPP Injection Date: 12/04/2024

Instrument ID: BNA_P

DFTPP Injection Time: 11:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.5
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	38.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	39.6
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	32.4
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	11.9
442	Greater than 50% of mass 198	77.5
443	15.0 - 24.0% of mass 442	15.1 (19.4) 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	BP023329.D	12/04/2024	12:53
SSTDICC005	SSTDICC005	BP023330.D	12/04/2024	13:34
SSTDICC010	SSTDICC010	BP023331.D	12/04/2024	14:15
SSTDICC020	SSTDICC020	BP023332.D	12/04/2024	14:55
SSTDICCC040	SSTDICCC040	BP023333.D	12/04/2024	15:36
SSTDICC050	SSTDICC050	BP023334.D	12/04/2024	16:17
SSTDICC060	SSTDICC060	BP023335.D	12/04/2024	16:57
SSTDICC080	SSTDICC080	BP023336.D	12/04/2024	17:38
ICVBP120424	SSTDICV040	BP023337.D	12/04/2024	19:00
PB165356BL	PB165356BL	BP023338.D	12/04/2024	19:40