

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP052024 SAS No.: BP052024 SDG No.: BP052024

Instrument ID: BNA_P Calibration Date/Time: 5/20/2024 1:16:49

Lab File ID: BP020429.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	0.574	0.556		-3.136	
Pyridine	1.180	1.146		-2.881	
2-Fluorophenol	1.083	1.096		1.2	
Benzaldehyde	0.893	0.819		-8.287	
Aniline	1.445	1.363		-5.675	
Phenol-d6	1.511	1.446		-4.302	
Phenol	1.526	1.459		-4.391	20.0
bis(2-Chloroethyl) ether	1.189	1.183		-0.505	
2-Chlorophenol	1.204	1.163		-3.405	
1,2-Dichlorobenzene	1.422	1.383		-2.743	
1,3-Dichlorobenzene	1.444	1.414		-2.078	
1,4-Dichlorobenzene	1.483	1.434		-3.304	20.0
Benzyl Alcohol	1.247	1.201		-3.689	
2-Methylphenol	1.019	0.979		-3.925	
2,2-oxybis(1-Chloropropane)	1.359	1.326		-2.428	
Acetophenone	0.504	0.486		-3.571	
3+4-Methylphenols	1.421	1.319		-7.178	
n-Nitroso-di-n-propylamine	1.009	0.959	0.050	-4.955	
Nitrobenzene-d5	0.416	0.409		-1.683	
Hexachloroethane	0.555	0.545		-1.802	
Nitrobenzene	0.413	0.410		-0.726	
Isophorone	0.683	0.686		0.439	
2-Nitrophenol	0.167	0.170		1.796	20.0
2,4-Dimethylphenol	0.199	0.197		-1.005	
bis(2-Chloroethoxy) methane	0.399	0.406		1.754	
2,4-Dichlorophenol	0.293	0.300		2.389	20.0
1,2,4-Trichlorobenzene	0.372	0.367		-1.344	
Benzoic acid	0.207	0.203		-1.932	
Naphthalene	1.011	0.985		-2.572	
4-Chloroaniline	0.341	0.349		2.346	
Hexachlorobutadiene	0.257	0.266		3.502	20.0
Caprolactam	0.085	0.089		4.706	
4-Chloro-3-methylphenol	0.341	0.336		-1.466	20.0
2-Methylnaphthalene	0.691	0.671		-2.894	
Hexachlorocyclopentadiene	0.191	0.197	0.050	3.141	
2,4,6-Trichlorophenol	0.389	0.388		-0.257	20.0
2-Fluorobiphenyl	1.418	1.363		-3.879	
2,4,5-Trichlorophenol	0.428	0.436		1.869	
1,1-Biphenyl	1.396	1.332		-4.585	

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Instrument ID: BNA_P Calibration Date/Time: 5/20/2024 1:16:49

Lab File ID: BP020429.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	1.117	1.067		-4.476	
2-Nitroaniline	0.330	0.343		3.939	
Dimethylphthalate	1.354	1.339		-1.108	
Acenaphthylene	1.597	1.554		-2.693	
2,6-Dinitrotoluene	0.309	0.313		1.294	
3-Nitroaniline	0.264	0.280		6.061	
Acenaphthene	1.002	0.957		-4.491	20.0
2,4-Dinitrophenol	0.166	0.182	0.050	9.639	
4-Nitrophenol	0.173	0.208	0.050	20.231	
Dibenzofuran	1.640	1.627		-0.793	
2,4-Dinitrotoluene	0.409	0.443		8.313	
Diethylphthalate	1.345	1.427		6.097	
4-Chlorophenyl-phenylether	0.728	0.731		0.412	
Fluorene	1.321	1.313		-0.606	
4-Nitroaniline	0.245	0.272		11.02	
4,6-Dinitro-2-methylphenol	0.120	0.125		4.167	
n-Nitrosodiphenylamine	0.544	0.522		-4.044	20.0
Azobenzene	1.284	1.348		4.984	
2,4,6-Tribromophenol	0.260	0.272		4.615	
4-Bromophenyl-phenylether	0.222	0.214		-3.604	
Hexachlorobenzene	0.263	0.254		-3.422	
Atrazine	0.165	0.168		1.818	
Pentachlorophenol	0.152	0.159		4.605	20.0
Phenanthrene	0.960	0.942		-1.875	
Anthracene	0.939	0.948		0.958	
Carbazole	0.862	0.883		2.436	
Di-n-butylphthalate	1.032	1.153		11.725	
Fluoranthene	1.180	1.223		3.644	20.0
Benzidine	0.236	0.282		19.492	
Pyrene	1.272	1.234		-2.987	
Terphenyl-d14	1.118	1.111		-0.626	
Butylbenzylphthalate	0.479	0.510		6.472	
3,3-Dichlorobenzidine	0.416	0.437		5.048	
Benzo(a)anthracene	1.250	1.225		-2.0	
Chrysene	1.209	1.202		-0.579	
Bis(2-ethylhexyl)phthalate	0.696	0.779		11.925	
Di-n-octyl phthalate	1.183	1.274		7.692	20.0
Benzo(b)fluoranthene	1.147	1.112		-3.051	
Benzo(k)fluoranthene	1.137	1.094		-3.782	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BP052024 SAS No.: BP052024 SDG No.: BP052024
 Instrument ID: BNA_P Calibration Date/Time: 5/20/2024 1:16:49
 Lab File ID: BP020429.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	1.009	0.974		-3.469	20.0
Indeno(1,2,3-cd)pyrene	1.337	1.289		-3.59	
Dibenzo(a,h)anthracene	1.106	1.071		-3.165	
Benzo(g,h,i)perylene	1.126	1.076		-4.44	
1,2,4,5-Tetrachlorobenzene	0.647	0.624		-3.555	
1,4-Dioxane	0.468	0.460		-1.709	20.0
2,3,4,6-Tetrachlorophenol	0.374	0.380		1.604	
1-Methylnaphthalene	0.680	0.652		-4.118	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBP052024	SDG No.:	BP052024
Lab Sample ID:	SSTDICV040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BP020433.D	1		5/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38700		1000	8000	10000	ug/L
110-86-1	Pyridine	38600		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	40500		4000	8000	10000	ug/L
62-53-3	Aniline	38300		1600	4000	5000	ug/L
108-95-2	Phenol	38800		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	39600		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	39200		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	38800		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39400		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	38600		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	38700		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	38700		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38500		1400	4000	5000	ug/L
98-86-2	Acetophenone	39700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	37800		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38900		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	39700		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	39900		1300	4000	5000	ug/L
78-59-1	Isophorone	40600		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	41700		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40400		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40700		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41500		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	39500		1100	4000	5000	ug/L
65-85-0	Benzoic acid	42200		5500	8000	10000	ug/L
91-20-3	Naphthalene	39200		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	41200		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	40800		1300	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBP052024	SDG No.:	BP052024
Lab Sample ID:	SSTDICV040	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BP020433.D	1		5/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	42300		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	40500		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	39700		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	37100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39900		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	39800		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	38400		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	38300		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	41400		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	40000		930	4000	5000	ug/L
208-96-8	Acenaphthylene	38500		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	39800		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	41600		1400	4000	5000	ug/L
83-32-9	Acenaphthene	38300		810	4000	5000	ug/L
Total PAH	Total PAH	624900		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	39300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	45700		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39100		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42000		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	81800		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	41200		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38800		980	4000	5000	ug/L
86-73-7	Fluorene	39600		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	42400		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	38500		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	37700		890	4000	5000	ug/L
103-33-3	Azobenzene	40700		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	38600		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	38200		1100	4000	5000	ug/L
1912-24-9	Atrazine	39800		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP052024			SDG No.:	BP052024		
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
BP020433.D	1		5/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	40800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38400		890	4000	5000	ug/L
120-12-7	Anthracene	39300		1100	4000	5000	ug/L
86-74-8	Carbazole	39900		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42600		1500	4000	5000	ug/L
206-44-0	Fluoranthene	40100		1300	4000	5000	ug/L
92-87-5	Benzidine	47300		4100	8000	10000	ug/L
129-00-0	Pyrene	38000		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	41900		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	39500		940	4000	5000	ug/L
218-01-9	Chrysene	39000		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43700		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	43600		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	39200		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	39300		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	39400		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	39100		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	39300		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	38700		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	38000		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	40300		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39900		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	39200		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	81054	*	10-139		54036	SPK: -150
13127-88-3	Phenol-d6	77775	*	10-134		51850	SPK: -150
4165-60-0	Nitrobenzene-d5	80157	*	49-133		80157	SPK: -100
321-60-8	2-Fluorobiphenyl	77621	*	52-132		77621	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBP052024	SDG No.:	BP052024
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
BP020433.D	1		5/20/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	84358	*	32-145		56239	SPK: -150
1718-51-0	Terphenyl-d14	78745	*	36-145		78745	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	114562	7.587				
1146-65-2	Naphthalene-d8	429970	10.351				
15067-26-2	Acenaphthene-d10	286447	14.269				
1517-22-2	Phenanthrene-d10	610364	17.11				
1719-03-5	Chrysene-d12	620245	21.598				
1520-96-3	Perylene-d12	719631	24.927				

Report of Analysis

Client:		Date Collected:	5/17/2024 12:00:00 AM
Project:		Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL	SDG No.:	BP052024
Lab Sample ID:	PB160983BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BP020434.D	1	5/17/2024 12:00:00 AM	5/20/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/17/2024 12:00:00 AM
Project:		Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL	SDG No.:	BP052024
Lab Sample ID:	PB160983BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	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
BP020434.D	1	5/17/2024 12:00:00 AM	5/20/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/17/2024 12:00:00 AM
Project:		Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL	SDG No.:	BP052024
Lab Sample ID:	PB160983BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BP020434.D	1	5/17/2024 12:00:00 AM	5/20/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144.448		10-139		96	SPK: -150
13127-88-3	Phenol-d6	132.528		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	80.547		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	82.498		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	5/17/2024 12:00:00 AM
Project:		Date Received:	5/17/2024 12:00:00 AM
Client Sample ID:	PB160983BL	SDG No.:	BP052024
Lab Sample ID:	PB160983BL	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	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
BP020434.D	1	5/17/2024 12:00:00 AM	5/20/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	125.394		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	96.861		36-145		97	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109215	7.587				
1146-65-2	Naphthalene-d8	422863	10.363				
15067-26-2	Acenaphthene-d10	280567	14.269				
1517-22-2	Phenanthrene-d10	542967	17.122				
1719-03-5	Chrysene-d12	379057	21.61				
1520-96-3	Perylene-d12	400697	24.945				

Hit Summary Sheet SW-846

SDG No.: BP052024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ICVBP052024							
SSTDICV040	ICVBP052024	Water	1,1-Biphenyl	38,400.000	910		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,2,4,5-Tetrachlorobenzene	38,000.000	1100		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,2,4-Trichlorobenzene	39,500.000	1100		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,2-Dichlorobenzene	38,800.000	880		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,3-Dichlorobenzene	39,400.000	800		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,4-Dichlorobenzene	38,600.000	840		5000	ug/L
SSTDICV040	ICVBP052024	Water	1,4-Dioxane	40,300.000	1300		5000	ug/L
SSTDICV040	ICVBP052024	Water	1-Methylnaphthalene	39,200.000	860		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,2-oxybis(1-Chloropropane)	38,500.000	1400		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,3,4,6-Tetrachlorophenol	39,900.000	790		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4,5-Trichlorophenol	39,800.000	1000		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4,6-Trichlorophenol	39,900.000	890		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4-Dichlorophenol	41,500.000	880		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4-Dimethylphenol	40,400.000	1500		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4-Dinitrophenol	39,300.000	6400		10000	ug/L
SSTDICV040	ICVBP052024	Water	2,4-Dinitrotoluene	42,000.000	1500		5000	ug/L
SSTDICV040	ICVBP052024	Water	2,6-Dinitrotoluene	39,800.000	1200		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Chloronaphthalene	38,300.000	970		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Chlorophenol	39,200.000	710		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Methylnaphthalene	39,700.000	1100		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Methylphenol	38,700.000	1100		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Nitroaniline	41,400.000	1400		5000	ug/L
SSTDICV040	ICVBP052024	Water	2-Nitrophenol	41,700.000	2000		5000	ug/L
SSTDICV040	ICVBP052024	Water	3+4-Methylphenols	37,800.000	1200		10000	ug/L
SSTDICV040	ICVBP052024	Water	3,3-Dichlorobenzidine	41,900.000	1300		10000	ug/L
SSTDICV040	ICVBP052024	Water	3-Nitroaniline	41,600.000	1400		5000	ug/L
SSTDICV040	ICVBP052024	Water	4,6-Dinitro-2-methylphenol	38,500.000	3100		10000	ug/L
SSTDICV040	ICVBP052024	Water	4-Bromophenyl-phenylether	38,600.000	950		5000	ug/L
SSTDICV040	ICVBP052024	Water	4-Chloro-3-methylphenol	40,500.000	840		5000	ug/L
SSTDICV040	ICVBP052024	Water	4-Chloroaniline	41,200.000	1300		5000	ug/L
SSTDICV040	ICVBP052024	Water	4-Chlorophenyl-phenylether	38,800.000	980		5000	ug/L
SSTDICV040	ICVBP052024	Water	4-Nitroaniline	42,400.000	2000		5000	ug/L
SSTDICV040	ICVBP052024	Water	4-Nitrophenol	45,700.000	2000		10000	ug/L
SSTDICV040	ICVBP052024	Water	Acenaphthene	38,300.000	810		5000	ug/L
SSTDICV040	ICVBP052024	Water	Acenaphthylene	38,500.000	1000		5000	ug/L
SSTDICV040	ICVBP052024	Water	Acetophenone	39,700.000	1100		5000	ug/L
SSTDICV040	ICVBP052024	Water	Aniline	38,300.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BP052024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052024	Water	Anthracene	39,300.000		1100	5000	ug/L
SSTDICV040	ICVBP052024	Water	Atrazine	39,800.000		1300	5000	ug/L
SSTDICV040	ICVBP052024	Water	Azobenzene	40,700.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzaldehyde	40,500.000		4000	10000	ug/L
SSTDICV040	ICVBP052024	Water	Benzidine	47,300.000		4100	10000	ug/L
SSTDICV040	ICVBP052024	Water	Benzo(a)anthracene	39,500.000		940	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzo(a)pyrene	39,400.000		1700	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzo(b)fluoranthene	39,200.000		1100	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzo(g,h,i)perylene	38,700.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzo(k)fluoranthene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Benzoic acid	42,200.000		5500	10000	ug/L
SSTDICV040	ICVBP052024	Water	Benzyl Alcohol	38,700.000		1600	10000	ug/L
SSTDICV040	ICVBP052024	Water	bis(2-Chloroethoxy)methane	40,700.000		1000	5000	ug/L
SSTDICV040	ICVBP052024	Water	bis(2-Chloroethyl)ether	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Bis(2-ethylhexyl)phthalate	43,700.000		1900	5000	ug/L
SSTDICV040	ICVBP052024	Water	Butylbenzylphthalate	41,900.000		2100	5000	ug/L
SSTDICV040	ICVBP052024	Water	Caprolactam	42,300.000		1700	10000	ug/L
SSTDICV040	ICVBP052024	Water	Carbazole	39,900.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Chrysene	39,000.000		860	5000	ug/L
SSTDICV040	ICVBP052024	Water	Di-n-butylphthalate	42,600.000		1500	5000	ug/L
SSTDICV040	ICVBP052024	Water	Di-n-octyl phthalate	43,600.000		2500	10000	ug/L
SSTDICV040	ICVBP052024	Water	Dibenzo(a,h)anthracene	39,300.000		1200	5000	ug/L
SSTDICV040	ICVBP052024	Water	Dibenzofuran	39,100.000		930	5000	ug/L
SSTDICV040	ICVBP052024	Water	Diethylphthalate	41,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052024	Water	Dimethylphthalate	40,000.000		930	5000	ug/L
SSTDICV040	ICVBP052024	Water	Fluoranthene	40,100.000		1300	5000	ug/L
SSTDICV040	ICVBP052024	Water	Fluorene	39,600.000		960	5000	ug/L
SSTDICV040	ICVBP052024	Water	Hexachlorobenzene	38,200.000		1100	5000	ug/L
SSTDICV040	ICVBP052024	Water	Hexachlorobutadiene	40,800.000		1300	5000	ug/L
SSTDICV040	ICVBP052024	Water	Hexachlorocyclopentadiene	37,100.000		5000	10000	ug/L
SSTDICV040	ICVBP052024	Water	Hexachloroethane	39,700.000		1000	5000	ug/L
SSTDICV040	ICVBP052024	Water	Indeno(1,2,3-cd)pyrene	39,100.000		1000	5000	ug/L
SSTDICV040	ICVBP052024	Water	Isophorone	40,600.000		1100	5000	ug/L
SSTDICV040	ICVBP052024	Water	n-Nitroso-di-n-propylamine	38,900.000		1500	2500	ug/L
SSTDICV040	ICVBP052024	Water	n-Nitrosodimethylamine	38,700.000		1000	10000	ug/L
SSTDICV040	ICVBP052024	Water	n-Nitrosodiphenylamine	37,700.000		890	5000	ug/L
SSTDICV040	ICVBP052024	Water	Naphthalene	39,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052024	Water	Nitrobenzene	39,900.000		1300	5000	ug/L
SSTDICV040	ICVBP052024	Water	Pentachlorophenol	40,800.000		1900	10000	ug/L
SSTDICV040	ICVBP052024	Water	Phenanthrene	38,400.000		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.: BP052024

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052024	Water	Phenol	38,800.000		930	5000	ug/L
SSTDICV040	ICVBP052024	Water	Pyrene	38,000.000		1100	5000	ug/L
SSTDICV040	ICVBP052024	Water	Pyridine	38,600.000		1600	5000	ug/L
SSTDICV040	ICVBP052024	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	81,800.000		2700	10000	ug/L
SSTDICV040	ICVBP052024	Water	Total PAH	624,900.000		17360	80000	ug/L
Total Svoc :						3,902,500.00		
Total Concentration:						3,902,500.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052024 SAS No.: BP052024 SDG No.: BP052024
Instrument ID: _____ Calibration Date(s): 5/20/2024 : _____
Calibration Time(s): 13:11 _____

LAB FILE ID:		RRF2.5 = BP020425.D			RRF005 = BP020426.D		RRF010 = BP020427.D	
		RRF020 = BP020428.D			RRF040 = BP020429.D		RRF050 = BP020430.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.576	0.563	0.607	0.556	0.561	0.574	3.2
Pyridine		1.156	1.116	1.233	1.146	1.140	1.180	4.5
2-Fluorophenol		1.060	1.009	1.095	1.096	1.095	1.083	3.5
Benzaldehyde		1.074	1.008	1.023	0.819	0.752	0.893	18.2
Aniline		1.390	1.385	1.535	1.363	1.382	1.445	5.8
Phenol-d6		1.405	1.435	1.581	1.446	1.482	1.511	6.0
Phenol		1.440	1.471	1.577	1.459	1.483	1.526	5.4
bis(2-Chloroethyl)ether		1.153	1.092	1.269	1.183	1.183	1.189	4.9
2-Chlorophenol		1.190	1.166	1.252	1.163	1.176	1.204	3.4
1,2-Dichlorobenzene		1.461	1.419	1.478	1.383	1.372	1.422	2.7
1,3-Dichlorobenzene		1.531	1.420	1.508	1.414	1.410	1.444	3.6
1,4-Dichlorobenzene		1.594	1.469	1.527	1.434	1.435	1.483	3.9
Benzyl Alcohol		1.099	1.155	1.318	1.201	1.221	1.247	8.5
2-Methylphenol		0.879	1.011	1.084	0.979	0.991	1.019	8.0
2,2-oxybis(1-Chloropropane)		1.351	1.329	1.449	1.326	1.340	1.359	3.1
Acetophenone		0.480	0.497	0.525	0.486	0.502	0.504	3.5
3+4-Methylphenols		1.332	1.345	1.491	1.319	1.373	1.421	7.3
n-Nitroso-di-n-propylamine	0.932	0.917	0.979	1.121	0.959	0.989	1.009	7.9
Nitrobenzene-d5		0.393	0.412	0.428	0.409	0.420	0.416	2.9
Hexachloroethane		0.572	0.549	0.574	0.545	0.559	0.555	2.4
Nitrobenzene		0.392	0.408	0.429	0.410	0.411	0.413	2.9
Isophorone		0.583	0.628	0.737	0.686	0.687	0.683	8.5
2-Nitrophenol		0.131	0.149	0.172	0.170	0.175	0.167	12.1
2,4-Dimethylphenol		0.186	0.178	0.211	0.197	0.200	0.199	6.6
bis(2-Chloroethoxy)methane		0.343	0.385	0.423	0.406	0.412	0.399	6.8
2,4-Dichlorophenol		0.250	0.267	0.302	0.300	0.298	0.293	8.7
1,2,4-Trichlorobenzene		0.382	0.370	0.377	0.367	0.368	0.372	1.7
Benzoic acid			0.131	0.202	0.203	0.210	0.207	20.6
Naphthalene		1.047	0.984	1.026	0.985	0.994	1.011	2.4
4-Chloroaniline		0.277	0.309	0.365	0.349	0.343	0.341	10.6
Hexachlorobutadiene		0.253	0.255	0.262	0.266	0.262	0.257	2.6
Caprolactam		0.078	0.066	0.092	0.089	0.086	0.085	12.3
4-Chloro-3-methylphenol		0.308	0.302	0.374	0.336	0.335	0.341	8.6
2-Methylnaphthalene		0.659	0.659	0.736	0.671	0.682	0.691	4.5
Hexachlorocyclopentadiene			0.128	0.165	0.197	0.216	0.191	19.8
2,4,6-Trichlorophenol		0.340	0.364	0.394	0.388	0.400	0.389	7.4

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.: BP052024 SAS No.: BP052024 SDG No.: BP052024
Instrument ID: _____ Calibration Date(s): 5/20/2024 : _____
Calibration Time(s): 13:11 _____

LAB FILE ID:		RRF2.5 = BP020425.D			RRF005 = BP020426.D		RRF010 = BP020427.D	
		RRF020 = BP020428.D			RRF040 = BP020429.D		RRF050 = BP020430.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.389	1.418	1.412	1.363	1.423	1.418	2.8
2,4,5-Trichlorophenol		0.385	0.378	0.433	0.436	0.436	0.428	8.0
1,1-Biphenyl		1.447	1.381	1.382	1.332	1.366	1.396	3.0
2-Chloronaphthalene		1.126	1.113	1.111	1.067	1.100	1.117	2.7
2-Nitroaniline		0.280	0.289	0.349	0.343	0.340	0.330	9.6
Dimethylphthalate		1.375	1.299	1.445	1.339	1.354	1.354	3.4
Acenaphthylene		1.606	1.564	1.611	1.554	1.560	1.597	2.5
2,6-Dinitrotoluene		0.297	0.287	0.329	0.313	0.310	0.309	4.5
3-Nitroaniline		0.238	0.221	0.284	0.280	0.278	0.264	9.5
Acenaphthene		1.014	1.002	1.015	0.957	0.987	1.002	2.3
2,4-Dinitrophenol			0.106	0.166	0.182	0.183	0.166	18.4
4-Nitrophenol			0.053	0.184	0.208	0.204	0.173	34.6
Dibenzofuran		1.697	1.607	1.683	1.627	1.593	1.640	2.3
2,4-Dinitrotoluene		0.378	0.355	0.455	0.443	0.418	0.409	8.7
Diethylphthalate		1.349	1.244	1.467	1.427	1.375	1.345	6.4
4-Chlorophenyl-phenylether		0.726	0.704	0.757	0.731	0.727	0.728	2.4
Fluorene		1.366	1.247	1.376	1.313	1.305	1.321	3.4
4-Nitroaniline		0.240	0.193	0.261	0.272	0.266	0.245	11.4
4,6-Dinitro-2-methylphenol			0.085	0.115	0.125	0.128	0.120	15.4
n-Nitrosodiphenylamine		0.485	0.524	0.536	0.522	0.533	0.544	8.0
Azobenzene		1.271	1.193	1.384	1.348	1.281	1.284	5.0
2,4,6-Tribromophenol		0.248	0.241	0.283	0.272	0.267	0.260	6.3
4-Bromophenyl-phenylether		0.192	0.215	0.218	0.214	0.226	0.222	8.4
Hexachlorobenzene		0.243	0.257	0.258	0.254	0.260	0.263	5.7
Atrazine		0.174	0.167	0.186	0.168	0.166	0.165	9.2
Pentachlorophenol		0.127	0.134	0.155	0.159	0.164	0.152	9.8
Phenanthrene		0.964	0.948	0.961	0.942	0.945	0.960	1.7
Anthracene		0.900	0.905	0.934	0.948	0.957	0.939	3.0
Carbazole		0.869	0.811	0.887	0.883	0.896	0.862	3.5
Di-n-butylphthalate		0.911	0.924	1.106	1.153	1.139	1.032	9.8
Fluoranthene		1.330	1.096	1.200	1.223	1.203	1.180	7.3
Benzidine		0.216	0.216	0.157	0.282	0.259	0.236	18.1
Pyrene		1.152	1.189	1.486	1.234	1.204	1.272	9.0
Terphenyl-d14		0.991	1.036	1.339	1.111	1.075	1.118	10.0
Butylbenzylphthalate		0.390	0.405	0.546	0.510	0.506	0.479	12.2
3,3-Dichlorobenzidine		0.384	0.387	0.408	0.437	0.421	0.416	5.7

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.: BP052024 SAS No.: BP052024 SDG No.: BP052024
Instrument ID: _____ Calibration Date(s): 5/20/2024 : _____
Calibration Time(s): 13:11 _____

LAB FILE ID:		RRF2.5 = BP020425.D			RRF005 = BP020426.D		RRF010 = BP020427.D	
		RRF020 = BP020428.D			RRF040 = BP020429.D		RRF050 = BP020430.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.244	1.207	1.279	1.225	1.199	1.250	3.5
Chrysene		1.245	1.166	1.210	1.202	1.150	1.209	3.3
Bis(2-ethylhexyl)phthalate		0.536	0.601	0.750	0.779	0.765	0.696	13.3
Di-n-octyl phthalate			0.991	1.017	1.274	1.270	1.183	11.7
Benzo(b)fluoranthene		1.090	1.077	1.200	1.112	1.157	1.147	4.7
Benzo(k)fluoranthene		1.143	1.065	1.211	1.094	1.123	1.137	4.2
Benzo(a)pyrene		0.948	0.949	1.023	0.974	1.021	1.009	5.3
Indeno(1,2,3-cd)pyrene		1.277	1.319	1.332	1.289	1.316	1.337	4.1
Dibenzo(a,h)anthracene		1.062	1.088	1.097	1.071	1.088	1.106	3.9
Benzo(g,h,i)perylene		1.108	1.123	1.099	1.076	1.106	1.126	3.9
1,2,4,5-Tetrachlorobenzene		0.650	0.647	0.619	0.624	0.649	0.647	3.2
1,4-Dioxane		0.549	0.478	0.485	0.460	0.455	0.468	9.0
2,3,4,6-Tetrachlorophenol		0.378	0.338	0.404	0.380	0.377	0.374	5.2
1-Methylnaphthalene		0.673	0.643	0.721	0.652	0.671	0.680	4.2

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.: BP052024 SAS No.: BP052024 SDG NO.: BP052024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 20 2024 12:00AM

Lab File ID: BP020429.D Time Analyzed: 20:31

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	124664	7.587	471447	10.36	312579	14.27
UPPER LIMIT	249328	8.087	942894	10.857	625158	14.769
LOWER LIMIT	62332	7.087	235723.5	9.857	156289.5	13.769
EPA SAMPLE NO.						
01 ICVBP052024	114562	7.59	429970	10.35	286447	14.27
02 PB160983BL	109215	7.59	422863	10.36	280567	14.27

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.: BP052024 SAS No.: BP052024 SDG NO.: BP052024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 20 2024 12:00AM

Lab File ID: BP020429.D Time Analyzed: 20:31

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	124664	7.587	471447	10.36	312579	14.27
UPPER LIMIT	249328	8.087	942894	10.857	625158	14.769
LOWER LIMIT	62332	7.087	235723.5	9.857	156289.5	13.769
EPA SAMPLE NO.						
01 ICVBP052024	114562	7.59	429970	10.35	286447	14.27
02 PB160983BL	109215	7.59	422863	10.36	280567	14.27

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.: BP052024 SAS No.: BP052024 SDG NO.: BP052024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 20 2024 12:00AM

Lab File ID: BP020429.D Time Analyzed: 20:31

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	669377	17.104	696482	21.598	800958	24.927
UPPER LIMIT	1338754	17.604	1392964	22.098	1601916	25.427
LOWER LIMIT	334688.5	16.604	348241	21.098	400479	24.427
EPA SAMPLE NO.						
01 ICVBP052024	610364	17.11	620245	21.60	719631	24.93
02 PB160983BL	542967	17.12	379057	21.61	400697	24.95

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.: BP052024 SAS No.: BP052024 SDG NO.: BP052024

EPA Sample No.: SSTDICCC040 Date Analyzed: May 20 2024 12:00AM

Lab File ID: BP020429.D Time Analyzed: 20:31

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	669377	17.104	696482	21.598	800958	24.927
UPPER LIMIT	1338754	17.604	1392964	22.098	1601916	25.427
LOWER LIMIT	334688.5	16.604	348241	21.098	400479	24.427
EPA SAMPLE NO.						
01 ICVBP052024	610364	17.11	620245	21.60	719631	24.93
02 PB160983BL	542967	17.12	379057	21.61	400697	24.95

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.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBP052024

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP052024

SAS No.: BP052024 SDG NO.: BP052024

Lab File ID: BP020433.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_P

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 05/20/2024

Level: (low/med) LOW

Time Analyzed: 20:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP052024	SSTDICV040	BP020433.D	05/20/2024

COMMENTS: _____



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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160983BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP052024

SAS No.: BP052024 SDG NO.: BP052024

Lab File ID: BP020434.D

Lab Sample ID: PB160983BL

Instrument ID: BNA_P

Date Extracted: 05/17/2024

Matrix: (soil/water) water

Date Analyzed: 05/20/2024

Level: (low/med) LOW

Time Analyzed: 21:16

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

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

COMMENTS:



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

Surrogate Summary

SW-846

SDG No.: BP052024

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBP052024	BP020433.D	2-Fluorophenol	150	81,054.00	54036	*	10	139
			Phenol-d6	150	77,775.00	51850	*	10	134
			Nitrobenzene-d5	100	80,157.00	80157	*	49	133
			2-Fluorobiphenyl	100	77,621.00	77621	*	52	132
			2,4,6-Tribromophenol	150	84,358.00	56239	*	32	145
			Terphenyl-d14	100	78,745.00	78745	*	36	145



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

Surrogate Summary
SW-846

SDG No.: BP052024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160983BL	PB160983BL	BP020434.D	2-Fluorophenol	150	144.45	96		10	139
			Phenol-d6	150	132.53	88		10	134
			Nitrobenzene-d5	100	80.55	81		49	133
			2-Fluorobiphenyl	100	82.50	82		52	132
			2,4,6-Tribromophenol	150	125.39	84		32	145
			Terphenyl-d14	100	96.86	97		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP052024

Lab Code: CHEM

SAS No.: BP052024

SDG NO.: BP052024

Lab File ID: BP020424.D

DFTPP Injection Date: 05/20/2024

Instrument ID: BNA_P

DFTPP Injection Time: 12:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.7
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	37.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	41.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	29.6
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	77.1
443	15.0 - 24.0% of mass 442	15.4 (19.9) 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	BP020425.D	05/20/2024	13:11
SSTDICC005	SSTDICC005	BP020426.D	05/20/2024	13:54
SSTDICC010	SSTDICC010	BP020427.D	05/20/2024	14:37
SSTDICC020	SSTDICC020	BP020428.D	05/20/2024	15:21
SSTDICCC040	SSTDICCC040	BP020429.D	05/20/2024	16:49
SSTDICC050	SSTDICC050	BP020430.D	05/20/2024	17:33
SSTDICC060	SSTDICC060	BP020431.D	05/20/2024	18:18
SSTDICC080	SSTDICC080	BP020432.D	05/20/2024	19:02
ICVBP052024	SSTDICV040	BP020433.D	05/20/2024	20:31
PB160983BL	PB160983BL	BP020434.D	05/20/2024	21:16