

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP052824 SAS No.: BP052824 SDG No.: BP052824

Instrument ID: BNA_P Calibration Date/Time: 5/28/2024 1:14:52

Lab File ID: BP020462.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	0.629	0.629		0.0	
Pyridine	1.290	1.283		-0.543	
2-Fluorophenol	1.137	1.143		0.528	
Benzaldehyde	0.942	0.853		-9.448	
Aniline	1.555	1.576		1.35	
Phenol-d6	1.554	1.584		1.931	
Phenol	1.590	1.608		1.132	20.0
bis(2-Chloroethyl) ether	1.306	1.316		0.766	
2-Chlorophenol	1.235	1.241		0.486	
1,2-Dichlorobenzene	1.429	1.411		-1.26	
1,3-Dichlorobenzene	1.479	1.467		-0.744	
1,4-Dichlorobenzene	1.498	1.481		-1.135	20.0
Benzyl Alcohol	1.108	1.146		3.43	
2-Methylphenol	1.055	1.069		1.327	
2,2-oxybis(1-Chloropropane)	1.953	1.961		0.41	
Acetophenone	0.494	0.495		0.202	
3+4-Methylphenols	1.425	1.471		3.228	
n-Nitroso-di-n-propylamine	1.034	1.050	0.050	1.547	
Nitrobenzene-d5	0.359	0.368		2.507	
Hexachloroethane	0.539	0.535		-0.742	
Nitrobenzene	0.366	0.371		1.366	
Isophorone	0.690	0.701		1.594	
2-Nitrophenol	0.107	0.129		20.561	20.0
2,4-Dimethylphenol	0.212	0.217		2.358	
bis(2-Chloroethoxy) methane	0.428	0.434		1.402	
2,4-Dichlorophenol	0.281	0.291		3.559	20.0
1,2,4-Trichlorobenzene	0.341	0.341		0.0	
Benzoic acid	0.159	0.164		3.145	
Naphthalene	1.022	1.022		0.0	
4-Chloroaniline	0.381	0.387		1.575	
Hexachlorobutadiene	0.213	0.214		0.469	20.0
Caprolactam	0.091	0.095		4.396	
4-Chloro-3-methylphenol	0.312	0.324		3.846	20.0
2-Methylnaphthalene	0.698	0.705		1.003	
Hexachlorocyclopentadiene	0.208	0.210	0.050	0.962	
2,4,6-Trichlorophenol	0.349	0.361		3.438	20.0
2-Fluorobiphenyl	1.377	1.342		-2.542	
2,4,5-Trichlorophenol	0.395	0.410		3.797	
1,1-Biphenyl	1.450	1.420		-2.069	

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Instrument ID: BNA_P Calibration Date/Time: 5/28/2024 1:14:52

Lab File ID: BP020462.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	1.152	1.126		-2.257	
2-Nitroaniline	0.263	0.299		13.688	
Dimethylphthalate	1.338	1.321		-1.271	
Acenaphthylene	1.674	1.638		-2.151	
2,6-Dinitrotoluene	0.275	0.288		4.727	
3-Nitroaniline	0.269	0.279		3.717	
Acenaphthene	1.080	1.063		-1.574	20.0
2,4-Dinitrophenol	0.085	0.081	0.050	-4.706	
4-Nitrophenol	0.209	0.206	0.050	-1.435	
Dibenzofuran	1.643	1.594		-2.982	
2,4-Dinitrotoluene	0.336	0.357		6.25	
Diethylphthalate	1.327	1.295		-2.411	
4-Chlorophenyl-phenylether	0.663	0.640		-3.469	
Fluorene	1.288	1.246		-3.261	
4-Nitroaniline	0.261	0.264		1.149	
4,6-Dinitro-2-methylphenol	0.068	0.068		0.0	
n-Nitrosodiphenylamine	0.580	0.591		1.897	20.0
Azobenzene	1.284	1.248		-2.804	
2,4,6-Tribromophenol	0.189	0.191		1.058	
4-Bromophenyl-phenylether	0.210	0.214		1.905	
Hexachlorobenzene	0.244	0.244		0.0	
Atrazine	0.183	0.182		-0.546	
Pentachlorophenol	0.133	0.136		2.256	20.0
Phenanthrene	0.989	0.992		0.303	
Anthracene	0.965	0.970		0.518	
Carbazole	0.889	0.884		-0.562	
Di-n-butylphthalate	1.019	1.025		0.589	
Fluoranthene	1.051	0.997		-5.138	20.0
Benzidine	0.554	0.775		39.892	
Pyrene	1.507	1.511		0.265	
Terphenyl-d14	1.181	1.195		1.185	
Butylbenzylphthalate	0.453	0.475		4.857	
3,3-Dichlorobenzidine	0.408	0.446		9.314	
Benzo(a)anthracene	1.314	1.320		0.457	
Chrysene	1.248	1.239		-0.721	
Bis(2-ethylhexyl)phthalate	0.712	0.757		6.32	
Di-n-octyl phthalate	1.179	1.237		4.919	20.0
Benzo(b)fluoranthene	1.162	1.166		0.344	
Benzo(k)fluoranthene	1.131	1.128		-0.265	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP052824 SAS No.: BP052824 SDG No.: BP052824

Instrument ID: BNA_P Calibration Date/Time: 5/28/2024 1:14:52

Lab File ID: BP020462.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	1.023	1.045		2.151	20.0
Indeno(1,2,3-cd)pyrene	1.372	1.420		3.499	
Dibenzo(a,h)anthracene	1.140	1.179		3.421	
Benzo(g,h,i)perylene	1.155	1.202		4.069	
1,2,4,5-Tetrachlorobenzene	0.596	0.581		-2.517	
1,4-Dioxane	0.469	0.461		-1.706	20.0
2,3,4,6-Tetrachlorophenol	0.307	0.316		2.932	
1-Methylnaphthalene	0.688	0.690		0.291	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP052824			SDG No.:	BP052824		
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
BP020466.D	1		5/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	39300		1000	8000	10000	ug/L
110-86-1	Pyridine	39600		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	43000		4000	8000	10000	ug/L
62-53-3	Aniline	40500		1600	4000	5000	ug/L
108-95-2	Phenol	40400		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	40300		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	40400		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	39300		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	39400		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	39100		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	41700		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	41400		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39600		1400	4000	5000	ug/L
98-86-2	Acetophenone	39700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	41800		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40800		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	40200		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	40700		1300	4000	5000	ug/L
78-59-1	Isophorone	40700		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	43900		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	40900		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39700		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	41900		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	40200		1100	4000	5000	ug/L
65-85-0	Benzoic acid	44400		5500	8000	10000	ug/L
91-20-3	Naphthalene	39100		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	40700		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	39700		1300	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBP052824	SDG No.:	BP052824
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
BP020466.D	1		5/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	44800		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	43100		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	40700		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	39400		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	43100		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	43000		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	39500		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	39000		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	49100		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	41200		930	4000	5000	ug/L
208-96-8	Acenaphthylene	40200		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	45300		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	45400		1400	4000	5000	ug/L
83-32-9	Acenaphthene	40500		810	4000	5000	ug/L
Total PAH	Total PAH	649300		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	46500		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	44900		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	39700		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	42400		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	87700		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	42200		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	39700		980	4000	5000	ug/L
86-73-7	Fluorene	39900		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	44200		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45200		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39200		890	4000	5000	ug/L
103-33-3	Azobenzene	40400		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	40200		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39500		1100	4000	5000	ug/L
1912-24-9	Atrazine	41400		1300	4000	5000	ug/L

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBP052824			SDG No.:	BP052824		
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
BP020466.D	1		5/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	43300		1900	8000	10000	ug/L
85-01-8	Phenanthrene	39400		890	4000	5000	ug/L
120-12-7	Anthracene	39400		1100	4000	5000	ug/L
86-74-8	Carbazole	39600		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	42500		1500	4000	5000	ug/L
206-44-0	Fluoranthene	38300		1300	4000	5000	ug/L
92-87-5	Benzidine	47800		4100	8000	10000	ug/L
129-00-0	Pyrene	45000		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	42600		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	41800		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	40400		940	4000	5000	ug/L
218-01-9	Chrysene	39900		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	38100		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	41000		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	40400		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	41700		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	41500		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	41600		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39300		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	44900		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	40400		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79985	*	10-139		53323	SPK: -150
13127-88-3	Phenol-d6	80918	*	10-134		53945	SPK: -150
4165-60-0	Nitrobenzene-d5	83123	*	49-133		83123	SPK: -100
321-60-8	2-Fluorobiphenyl	77932	*	52-132		77932	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	ICVBP052824	SDG No.:	BP052824
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
BP020466.D	1		5/28/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90839	*	32-145		60559	SPK: -150
1718-51-0	Terphenyl-d14	88887	*	36-145		88887	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	327740	7.763				
1146-65-2	Naphthalene-d8	1360162	10.54				
15067-26-2	Acenaphthene-d10	859631	14.398				
1517-22-2	Phenanthrene-d10	1700208	17.216				
1719-03-5	Chrysene-d12	1007824	21.663				
1520-96-3	Perylene-d12	1144950	25.033				

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.:	BP052824
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
BP020467.D	1	5/17/2024 12:00:00 AM	5/28/2024 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.:	BP052824
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
BP020467.D	1	5/17/2024 12:00:00 AM	5/28/2024 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.:	BP052824
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
BP020467.D	1	5/17/2024 12:00:00 AM	5/28/2024 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	132.368		10-139		88	SPK: -150
13127-88-3	Phenol-d6	125.159		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	81.787		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	76.055		52-132		76	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.:	BP052824
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
BP020467.D	1	5/17/2024 12:00:00 AM	5/28/2024 12:00:00 AM	PB160983

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	133.096		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	79.066		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	338587	7.763				
1146-65-2	Naphthalene-d8	1398964	10.534				
15067-26-2	Acenaphthene-d10	908975	14.398				
1517-22-2	Phenanthrene-d10	1889824	17.21				
1719-03-5	Chrysene-d12	1480162	21.663				
1520-96-3	Perylene-d12	1377802	25.033				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	2.5	J			3.04	

Hit Summary Sheet SW-846

SDG No.: BP052824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	ICVBP052824							
SSTDICV040	ICVBP052824	Water	1,1-Biphenyl	39,500.000	910		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,2,4,5-Tetrachlorobenzene	39,300.000	1100		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,2,4-Trichlorobenzene	40,200.000	1100		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,2-Dichlorobenzene	39,300.000	880		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,3-Dichlorobenzene	39,400.000	800		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,4-Dichlorobenzene	39,100.000	840		5000	ug/L
SSTDICV040	ICVBP052824	Water	1,4-Dioxane	38,300.000	1300		5000	ug/L
SSTDICV040	ICVBP052824	Water	1-Methylnaphthalene	40,400.000	860		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,2-oxybis(1-Chloropropane)	39,600.000	1400		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,3,4,6-Tetrachlorophenol	44,900.000	790		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4,5-Trichlorophenol	43,000.000	1000		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4,6-Trichlorophenol	43,100.000	890		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4-Dichlorophenol	41,900.000	880		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4-Dimethylphenol	40,900.000	1500		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4-Dinitrophenol	46,500.000	6400		10000	ug/L
SSTDICV040	ICVBP052824	Water	2,4-Dinitrotoluene	42,400.000	1500		5000	ug/L
SSTDICV040	ICVBP052824	Water	2,6-Dinitrotoluene	45,300.000	1200		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Chloronaphthalene	39,000.000	970		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Chlorophenol	40,400.000	710		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Methylnaphthalene	40,700.000	1100		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Methylphenol	41,400.000	1100		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Nitroaniline	49,100.000	1400		5000	ug/L
SSTDICV040	ICVBP052824	Water	2-Nitrophenol	43,900.000	2000		5000	ug/L
SSTDICV040	ICVBP052824	Water	3+4-Methylphenols	41,800.000	1200		10000	ug/L
SSTDICV040	ICVBP052824	Water	3,3-Dichlorobenzidine	41,800.000	1300		10000	ug/L
SSTDICV040	ICVBP052824	Water	3-Nitroaniline	45,400.000	1400		5000	ug/L
SSTDICV040	ICVBP052824	Water	4,6-Dinitro-2-methylphenol	45,200.000	3100		10000	ug/L
SSTDICV040	ICVBP052824	Water	4-Bromophenyl-phenylether	40,200.000	950		5000	ug/L
SSTDICV040	ICVBP052824	Water	4-Chloro-3-methylphenol	43,100.000	840		5000	ug/L
SSTDICV040	ICVBP052824	Water	4-Chloroaniline	40,700.000	1300		5000	ug/L
SSTDICV040	ICVBP052824	Water	4-Chlorophenyl-phenylether	39,700.000	980		5000	ug/L
SSTDICV040	ICVBP052824	Water	4-Nitroaniline	44,200.000	2000		5000	ug/L
SSTDICV040	ICVBP052824	Water	4-Nitrophenol	44,900.000	2000		10000	ug/L
SSTDICV040	ICVBP052824	Water	Acenaphthene	40,500.000	810		5000	ug/L
SSTDICV040	ICVBP052824	Water	Acenaphthylene	40,200.000	1000		5000	ug/L
SSTDICV040	ICVBP052824	Water	Acetophenone	39,700.000	1100		5000	ug/L
SSTDICV040	ICVBP052824	Water	Aniline	40,500.000	1600		5000	ug/L

Hit Summary Sheet SW-846

SDG No.: BP052824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052824	Water	Anthracene	39,400.000		1100	5000	ug/L
SSTDICV040	ICVBP052824	Water	Atrazine	41,400.000		1300	5000	ug/L
SSTDICV040	ICVBP052824	Water	Azobenzene	40,400.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzaldehyde	43,000.000		4000	10000	ug/L
SSTDICV040	ICVBP052824	Water	Benzidine	47,800.000		4100	10000	ug/L
SSTDICV040	ICVBP052824	Water	Benzo(a)anthracene	40,400.000		940	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzo(a)pyrene	41,000.000		1700	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzo(b)fluoranthene	41,000.000		1100	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzo(g,h,i)perylene	41,600.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzo(k)fluoranthene	40,400.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Benzoic acid	44,400.000		5500	10000	ug/L
SSTDICV040	ICVBP052824	Water	Benzyl Alcohol	41,700.000		1600	10000	ug/L
SSTDICV040	ICVBP052824	Water	bis(2-Chloroethoxy)methane	39,700.000		1000	5000	ug/L
SSTDICV040	ICVBP052824	Water	bis(2-Chloroethyl)ether	40,300.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Bis(2-ethylhexyl)phthalate	43,000.000		1900	5000	ug/L
SSTDICV040	ICVBP052824	Water	Butylbenzylphthalate	42,600.000		2100	5000	ug/L
SSTDICV040	ICVBP052824	Water	Caprolactam	44,800.000		1700	10000	ug/L
SSTDICV040	ICVBP052824	Water	Carbazole	39,600.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Chrysene	39,900.000		860	5000	ug/L
SSTDICV040	ICVBP052824	Water	Di-n-butylphthalate	42,500.000		1500	5000	ug/L
SSTDICV040	ICVBP052824	Water	Di-n-octyl phthalate	38,100.000		2500	10000	ug/L
SSTDICV040	ICVBP052824	Water	Dibenzo(a,h)anthracene	41,500.000		1200	5000	ug/L
SSTDICV040	ICVBP052824	Water	Dibenzofuran	39,700.000		930	5000	ug/L
SSTDICV040	ICVBP052824	Water	Diethylphthalate	42,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052824	Water	Dimethylphthalate	41,200.000		930	5000	ug/L
SSTDICV040	ICVBP052824	Water	Fluoranthene	38,300.000		1300	5000	ug/L
SSTDICV040	ICVBP052824	Water	Fluorene	39,900.000		960	5000	ug/L
SSTDICV040	ICVBP052824	Water	Hexachlorobenzene	39,500.000		1100	5000	ug/L
SSTDICV040	ICVBP052824	Water	Hexachlorobutadiene	39,700.000		1300	5000	ug/L
SSTDICV040	ICVBP052824	Water	Hexachlorocyclopentadiene	39,400.000		5000	10000	ug/L
SSTDICV040	ICVBP052824	Water	Hexachloroethane	40,200.000		1000	5000	ug/L
SSTDICV040	ICVBP052824	Water	Indeno(1,2,3-cd)pyrene	41,700.000		1000	5000	ug/L
SSTDICV040	ICVBP052824	Water	Isophorone	40,700.000		1100	5000	ug/L
SSTDICV040	ICVBP052824	Water	n-Nitroso-di-n-propylamine	40,800.000		1500	2500	ug/L
SSTDICV040	ICVBP052824	Water	n-Nitrosodimethylamine	39,300.000		1000	10000	ug/L
SSTDICV040	ICVBP052824	Water	n-Nitrosodiphenylamine	39,200.000		890	5000	ug/L
SSTDICV040	ICVBP052824	Water	Naphthalene	39,100.000		1000	5000	ug/L
SSTDICV040	ICVBP052824	Water	Nitrobenzene	40,700.000		1300	5000	ug/L
SSTDICV040	ICVBP052824	Water	Pentachlorophenol	43,300.000		1900	10000	ug/L
SSTDICV040	ICVBP052824	Water	Phenanthrene	39,400.000		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.: BP052824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBP052824	Water	Phenol	40,400.000		930	5000	ug/L
SSTDICV040	ICVBP052824	Water	Pyrene	45,000.000		1100	5000	ug/L
SSTDICV040	ICVBP052824	Water	Pyridine	39,600.000		1600	5000	ug/L
SSTDICV040	ICVBP052824	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	87,700.000		2700	10000	ug/L
SSTDICV040	ICVBP052824	Water	Total PAH	649,300.000		17360	80000	ug/L
Total Svoc :						4,046,300.00		
Total Concentration:						4,046,300.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052824 SAS No.: BP052824 SDG No.: BP052824
Instrument ID: _____ Calibration Date(s): 5/28/2024 : _____
Calibration Time(s): 11:56 _____

LAB FILE ID:		RRF2.5 = BP020458.D			RRF005 = BP020459.D		RRF010 = BP020460.D	
		RRF020 = BP020461.D			RRF040 = BP020462.D		RRF050 = BP020463.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.662	0.622	0.651	0.629	0.610	0.629	3.2
Pyridine		1.312	1.288	1.323	1.283	1.235	1.290	2.3
2-Fluorophenol		1.153	1.132	1.187	1.143	1.107	1.137	2.8
Benzaldehyde		1.183	1.105	1.006	0.853	0.772	0.942	19.6
Aniline		1.562	1.537	1.578	1.576	1.502	1.555	2.3
Phenol-d6		1.563	1.556	1.593	1.584	1.500	1.554	2.1
Phenol		1.595	1.590	1.629	1.608	1.550	1.590	1.8
bis(2-Chloroethyl)ether		1.353	1.331	1.345	1.316	1.247	1.306	3.2
2-Chlorophenol		1.269	1.230	1.279	1.241	1.188	1.235	2.8
1,2-Dichlorobenzene		1.514	1.486	1.504	1.411	1.358	1.429	5.1
1,3-Dichlorobenzene		1.590	1.507	1.543	1.467	1.412	1.479	4.9
1,4-Dichlorobenzene		1.590	1.521	1.582	1.481	1.433	1.498	4.6
Benzyl Alcohol		1.046	1.071	1.121	1.146	1.087	1.108	3.7
2-Methylphenol		1.049	1.044	1.092	1.069	1.017	1.055	2.5
2,2-oxybis(1-Chloropropane)		2.046	2.007	2.026	1.961	1.858	1.953	4.2
Acetophenone		0.520	0.508	0.516	0.495	0.470	0.494	4.6
3+4-Methylphenols		1.370	1.399	1.437	1.471	1.388	1.425	2.9
n-Nitroso-di-n-propylamine	1.082	1.047	1.054	1.055	1.050	0.974	1.034	3.7
Nitrobenzene-d5		0.334	0.346	0.372	0.368	0.361	0.359	4.3
Hexachloroethane		0.549	0.549	0.560	0.535	0.524	0.539	2.6
Nitrobenzene		0.350	0.358	0.385	0.371	0.364	0.366	3.1
Isophorone		0.693	0.695	0.694	0.701	0.665	0.690	1.9
2-Nitrophenol		0.079	0.086	0.107	0.129	0.132	0.107	22.8
2,4-Dimethylphenol		0.206	0.211	0.219	0.217	0.205	0.212	3.0
bis(2-Chloroethoxy)methane		0.439	0.435	0.437	0.434	0.415	0.428	3.0
2,4-Dichlorophenol		0.255	0.271	0.282	0.291	0.282	0.281	5.0
1,2,4-Trichlorobenzene		0.349	0.344	0.353	0.341	0.332	0.341	2.5
Benzoic acid			0.088	0.117	0.164	0.165	0.159	30.6
Naphthalene		1.079	1.048	1.065	1.022	0.980	1.022	4.6
4-Chloroaniline		0.382	0.378	0.386	0.387	0.368	0.381	2.2
Hexachlorobutadiene		0.216	0.213	0.220	0.214	0.208	0.213	2.2
Caprolactam		0.078	0.086	0.085	0.095	0.086	0.091	10.7
4-Chloro-3-methylphenol		0.285	0.301	0.307	0.324	0.303	0.312	5.8
2-Methylnaphthalene		0.724	0.712	0.703	0.705	0.661	0.698	3.0
Hexachlorocyclopentadiene		0.188	0.189	0.213	0.210	0.224	0.208	6.9
2,4,6-Trichlorophenol		0.292	0.318	0.347	0.361	0.371	0.349	9.4

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.: BP052824 SAS No.: BP052824 SDG No.: BP052824
Instrument ID: _____ Calibration Date(s): 5/28/2024 : _____
Calibration Time(s): 11:56 _____

LAB FILE ID:		RRF2.5 = BP020458.D		RRF005 = BP020459.D		RRF010 = BP020460.D		
		RRF020 = BP020461.D		RRF040 = BP020462.D		RRF050 = BP020463.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.505	1.455	1.466	1.342	1.339	1.377	8.2
2,4,5-Trichlorophenol		0.344	0.370	0.401	0.410	0.403	0.395	7.2
1,1-Biphenyl		1.533	1.501	1.522	1.420	1.429	1.450	5.4
2-Chloronaphthalene		1.208	1.188	1.218	1.126	1.124	1.152	5.2
2-Nitroaniline		0.208	0.242	0.268	0.299	0.299	0.263	14.9
Dimethylphthalate		1.378	1.368	1.357	1.321	1.265	1.338	4.0
Acenaphthylene		1.742	1.723	1.730	1.638	1.615	1.674	3.9
2,6-Dinitrotoluene		0.218	0.258	0.269	0.288	0.282	0.275	11.3
3-Nitroaniline		0.214	0.245	0.266	0.279	0.272	0.269	12.0
Acenaphthene		1.125	1.119	1.110	1.063	1.061	1.080	5.2
2,4-Dinitrophenol			0.052	0.062	0.081	0.082	0.085	32.4
4-Nitrophenol			0.176	0.196	0.206	0.201	0.209	11.5
Dibenzofuran		1.747	1.719	1.720	1.594	1.555	1.643	5.4
2,4-Dinitrotoluene		0.232	0.292	0.317	0.357	0.343	0.336	18.6
Diethylphthalate		1.371	1.365	1.310	1.295	1.212	1.327	4.8
4-Chlorophenyl-phenylether		0.718	0.684	0.682	0.640	0.629	0.663	5.3
Fluorene		1.409	1.376	1.337	1.246	1.201	1.288	6.8
4-Nitroaniline		0.212	0.242	0.264	0.264	0.257	0.261	11.0
4,6-Dinitro-2-methylphenol			0.042	0.052	0.068	0.069	0.068	27.7
n-Nitrosodiphenylamine		0.595	0.602	0.605	0.591	0.569	0.580	4.3
Azobenzene		1.364	1.353	1.337	1.248	1.191	1.284	5.4
2,4,6-Tribromophenol		0.159	0.174	0.179	0.191	0.182	0.189	11.6
4-Bromophenyl-phenylether		0.211	0.207	0.215	0.214	0.206	0.210	1.9
Hexachlorobenzene		0.249	0.243	0.250	0.244	0.240	0.244	1.8
Atrazine		0.179	0.190	0.191	0.182	0.173	0.183	3.5
Pentachlorophenol			0.109	0.119	0.136	0.135	0.133	12.3
Phenanthrene		1.047	1.040	1.035	0.992	0.940	0.989	5.7
Anthracene		0.991	1.001	1.015	0.970	0.928	0.965	4.1
Carbazole		0.936	0.926	0.959	0.884	0.843	0.889	5.8
Di-n-butylphthalate		0.934	1.009	1.053	1.025	0.995	1.019	4.5
Fluoranthene		1.104	1.102	1.178	0.997	1.021	1.051	7.4
Benzidine		0.322	0.351	0.601	0.775	0.666	0.554	37.3
Pyrene		1.530	1.653	1.387	1.511	1.344	1.507	7.1
Terphenyl-d14		1.235	1.305	1.114	1.195	1.026	1.181	7.6
Butylbenzylphthalate		0.308	0.381	0.438	0.475	0.490	0.453	18.6
3,3-Dichlorobenzidine		0.338	0.352	0.438	0.446	0.447	0.408	11.7

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.: BP052824 SAS No.: BP052824 SDG No.: BP052824
Instrument ID: _____ Calibration Date(s): 5/28/2024 : _____
Calibration Time(s): 11:56 : _____

LAB FILE ID:		RRF2.5 = BP020458.D			RRF005 = BP020459.D		RRF010 = BP020460.D	
		RRF020 = BP020461.D			RRF040 = BP020462.D		RRF050 = BP020463.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.337	1.327	1.368	1.320	1.275	1.314	3.1
Chrysene		1.271	1.266	1.303	1.239	1.234	1.248	3.4
Bis(2-ethylhexyl)phthalate		0.521	0.606	0.762	0.757	0.773	0.712	14.8
Di-n-octyl phthalate			0.772	1.188	1.237	1.323	1.179	17.5
Benzo(b)fluoranthene		1.090	1.118	1.243	1.166	1.159	1.162	4.5
Benzo(k)fluoranthene		1.079	1.125	1.214	1.128	1.108	1.131	3.7
Benzo(a)pyrene		0.929	0.980	1.068	1.045	1.029	1.023	5.2
Indeno(1,2,3-cd)pyrene		1.274	1.341	1.373	1.420	1.363	1.372	4.2
Dibenzo(a,h)anthracene		1.046	1.126	1.149	1.179	1.137	1.140	4.2
Benzo(g,h,i)perylene		1.105	1.143	1.148	1.202	1.134	1.155	3.3
1,2,4,5-Tetrachlorobenzene		0.610	0.591	0.628	0.581	0.600	0.596	3.5
1,4-Dioxane		0.507	0.479	0.498	0.461	0.451	0.469	5.7
2,3,4,6-Tetrachlorophenol		0.267	0.279	0.299	0.316	0.305	0.307	9.2
1-Methylnaphthalene		0.710	0.701	0.706	0.690	0.659	0.688	3.0

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.: BP052824 SAS No.: BP052824 SDG NO.: BP052824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 28 2024 12:00AM

Lab File ID: BP020462.D Time Analyzed: 18:37

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	332875	7.763	1.35156e+01	10.54	849351	14.40
UPPER LIMIT	665750	8.263	2703120	11.039	1698702	14.898
LOWER LIMIT	166437.5	7.263	675780	10.039	424675.5	13.898
EPA SAMPLE NO.						
01 ICVBP052824	327740	7.76	1.36016e	10.54	859631	14.40
02 PB160983BL	338587	7.76	1.39896e	10.53	908975	14.40

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.: BP052824 SAS No.: BP052824 SDG NO.: BP052824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 28 2024 12:00AM

Lab File ID: BP020462.D Time Analyzed: 18:37

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	332875	7.763	1.35156e+01	10.54	849351	14.40
UPPER LIMIT	665750	8.263	2703120	11.039	1698702	14.898
LOWER LIMIT	166437.5	7.263	675780	10.039	424675.5	13.898
EPA SAMPLE NO.						
01 ICVBP052824	327740	7.76	1.36016e	10.54	859631	14.40
02 PB160983BL	338587	7.76	1.39896e	10.53	908975	14.40

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.: BP052824 SAS No.: BP052824 SDG NO.: BP052824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 28 2024 12:00AM

Lab File ID: BP020462.D Time Analyzed: 18:37

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	1.52029e+01	17.204	1.01541e+	21.674	1.23907e+01	25.05
UPPER LIMIT	3040580	17.704	2030820	22.174	2478140	25.55
LOWER LIMIT	760145	16.704	507705	21.174	619535	24.55
EPA SAMPLE NO.						
01 ICVBP052824	1.70021	17.22	1.00782e+	21.66	1.14495e+	25.03
02 PB160983BL	1.88982	17.21	1.48016e+	21.66	1.3778e+0	25.03

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.: BP052824 SAS No.: BP052824 SDG NO.: BP052824

EPA Sample No.: SSTDICCC040 Date Analyzed: May 28 2024 12:00AM

Lab File ID: BP020462.D Time Analyzed: 18:37

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	1.52029e+01	17.204	1.01541e+	21.674	1.23907e+01	25.05
UPPER LIMIT	3040580	17.704	2030820	22.174	2478140	25.55
LOWER LIMIT	760145	16.704	507705	21.174	619535	24.55
EPA SAMPLE NO.						
01 ICVBP052824	1.70021	17.22	1.00782e+	21.66	1.14495e+	25.03
02 PB160983BL	1.88982	17.21	1.48016e+	21.66	1.3778e+0	25.03

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.

ICVBP052824

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP052824

SAS No.: BP052824 SDG NO.: BP052824

Lab File ID: BP020466.D

Lab Sample ID: SSTDICV040

Instrument ID: BNA_P

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 05/28/2024

Level: (low/med) LOW

Time Analyzed: 18:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBP052824	SSTDICV040	BP020466.D	05/28/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160983BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP052824

SAS No.: BP052824 SDG NO.: BP052824

Lab File ID: BP020467.D

Lab Sample ID: PB160983BL

Instrument ID: BNA_P

Date Extracted: 05/17/2024

Matrix: (soil/water) water

Date Analyzed: 05/28/2024

Level: (low/med) LOW

Time Analyzed: 19:22

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.: BP052824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
SSTDICV040	ICVBP052824	BP020466.D	2-Fluorophenol	150	79,985.00	53323	*	10	139
			Phenol-d6	150	80,918.00	53945	*	10	134
			Nitrobenzene-d5	100	83,123.00	83123	*	49	133
			2-Fluorobiphenyl	100	77,932.00	77932	*	52	132
			2,4,6-Tribromophenol	150	90,839.00	60559	*	32	145
			Terphenyl-d14	100	88,887.00	88887	*	36	145



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

Surrogate Summary

SW-846

SDG No.: BP052824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160983BL	PB160983BL	BP020467.D	2-Fluorophenol	150	132.37	88		10	139
			Phenol-d6	150	125.16	83		10	134
			Nitrobenzene-d5	100	81.79	82		49	133
			2-Fluorobiphenyl	100	76.06	76		52	132
			2,4,6-Tribromophenol	150	133.10	89		32	145
			Terphenyl-d14	100	79.07	79		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP052824

Lab Code: CHEM

SAS No.: BP052824

SDG NO.: BP052824

Lab File ID: BP020457.D

DFTPP Injection Date: 05/28/2024

Instrument ID: BNA_P

DFTPP Injection Time: 11:13

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	34.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	43
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	6.9
275	10.0 - 60.0% of mass 198	27.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	85.9
443	15.0 - 24.0% of mass 442	16.9 (19.7) 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	BP020458.D	05/28/2024	11:56
SSTDICC005	SSTDICC005	BP020459.D	05/28/2024	12:39
SSTDICC010	SSTDICC010	BP020460.D	05/28/2024	13:22
SSTDICC020	SSTDICC020	BP020461.D	05/28/2024	14:07
SSTDICCC040	SSTDICCC040	BP020462.D	05/28/2024	14:52
SSTDICC050	SSTDICC050	BP020463.D	05/28/2024	15:37
SSTDICC060	SSTDICC060	BP020464.D	05/28/2024	16:22
SSTDICC080	SSTDICC080	BP020465.D	05/28/2024	17:07
ICVBP052824	SSTDICV040	BP020466.D	05/28/2024	18:37
PB160983BL	PB160983BL	BP020467.D	05/28/2024	19:22