

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP060324 SAS No.: BP060324 SDG No.: BP060324

Instrument ID: BNA_P Calibration Date/Time: 6/3/2024 12:11:11

Lab File ID: BP020487.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.616	0.619		0.487	
Pyridine	1.269	1.298		2.285	
2-Fluorophenol	1.117	1.213		8.594	
Benzaldehyde	1.010	1.091		8.02	
Aniline	1.596	1.461		-8.459	
Phenol-d6	1.575	1.511		-4.063	
Phenol	1.614	1.551		-3.903	20.0
bis(2-Chloroethyl) ether	1.331	1.257		-5.56	
2-Chlorophenol	1.252	1.252		0.0	
1,2-Dichlorobenzene	1.447	1.449		0.138	
1,3-Dichlorobenzene	1.475	1.520		3.051	
1,4-Dichlorobenzene	1.499	1.537		2.535	20.0
Benzyl Alcohol	1.164	1.025		-11.942	
2-Methylphenol	1.095	1.001		-8.584	
2,2-oxybis(1-Chloropropane)	1.987	1.726		-13.135	
Acetophenone	0.496	0.504		1.613	
3+4-Methylphenols	1.489	1.324		-11.081	
n-Nitroso-di-n-propylamine	1.075	0.876	0.050	-18.512	
Nitrobenzene-d5	0.365	0.386		5.753	
Hexachloroethane	0.548	0.558		1.825	
Nitrobenzene	0.371	0.388		4.582	
Isophorone	0.710	0.648		-8.732	
2-Nitrophenol	0.128	0.136		6.25	20.0
2,4-Dimethylphenol	0.214	0.214		0.0	
bis(2-Chloroethoxy) methane	0.436	0.424		-2.752	
2,4-Dichlorophenol	0.288	0.297		3.125	20.0
1,2,4-Trichlorobenzene	0.342	0.366		7.018	
Benzoic acid	0.181	0.151		-16.575	
Naphthalene	1.022	1.054		3.131	
4-Chloroaniline	0.396	0.372		-6.061	
Hexachlorobutadiene	0.215	0.238		10.698	20.0
Caprolactam	0.105	0.098		-6.667	
4-Chloro-3-methylphenol	0.337	0.297		-11.869	20.0
2-Methylnaphthalene	0.733	0.686		-6.412	
Hexachlorocyclopentadiene	0.203	0.245	0.050	20.69	
2,4,6-Trichlorophenol	0.350	0.385		10.0	20.0
2-Fluorobiphenyl	1.342	1.474		9.836	
2,4,5-Trichlorophenol	0.404	0.432		6.931	
1,1-Biphenyl	1.411	1.509		6.945	

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Lab File ID: BP020487.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.122	1.198		6.774	
2-Nitroaniline	0.304	0.306		0.658	
Dimethylphthalate	1.410	1.347		-4.468	
Acenaphthylene	1.665	1.716		3.063	
2,6-Dinitrotoluene	0.301	0.299		-0.664	
3-Nitroaniline	0.302	0.297		-1.656	
Acenaphthene	1.050	1.084		3.238	20.0
2,4-Dinitrophenol	0.104	0.092	0.050	-11.538	
4-Nitrophenol	0.234	0.228	0.050	-2.564	
Dibenzofuran	1.664	1.668		0.24	
2,4-Dinitrotoluene	0.396	0.382		-3.535	
Diethylphthalate	1.433	1.298		-9.421	
4-Chlorophenyl-phenylether	0.689	0.668		-3.048	
Fluorene	1.336	1.295		-3.069	
4-Nitroaniline	0.311	0.292		-6.109	
4,6-Dinitro-2-methylphenol	0.078	0.072		-7.692	
n-Nitrosodiphenylamine	0.550	0.598		8.727	20.0
Azobenzene	1.338	1.262		-5.68	
2,4,6-Tribromophenol	0.208	0.199		-4.327	
4-Bromophenyl-phenylether	0.205	0.217		5.854	
Hexachlorobenzene	0.241	0.259		7.469	
Atrazine	0.193	0.192		-0.518	
Pentachlorophenol	0.146	0.149		2.055	20.0
Phenanthrene	0.983	1.026		4.374	
Anthracene	0.965	1.025		6.218	
Carbazole	0.933	0.984		5.466	
Di-n-butylphthalate	1.130	1.129		-0.088	
Fluoranthene	1.163	1.234		6.105	20.0
Benzidine	0.610	0.509		-16.557	
Pyrene	1.504	1.307		-13.098	
Terphenyl-d14	1.201	1.069		-10.991	
Butylbenzylphthalate	0.549	0.483		-12.022	
3,3-Dichlorobenzidine	0.391	0.462		18.159	
Benzo(a)anthracene	1.317	1.353		2.733	
Chrysene	1.241	1.289		3.868	
Bis(2-ethylhexyl)phthalate	0.856	0.811		-5.257	
Di-n-octyl phthalate	1.244	1.344		8.039	20.0
Benzo(b)fluoranthene	1.246	1.224		-1.766	
Benzo(k)fluoranthene	1.215	1.202		-1.07	

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Instrument ID: BNA_P Calibration Date/Time: 6/3/2024 12:11:11

Lab File ID: BP020487.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.032	1.088		5.426	20.0
Indeno(1,2,3-cd)pyrene	1.216	1.454		19.572	
Dibenzo(a,h)anthracene	1.014	1.200		18.343	
Benzo(g,h,i)perylene	1.014	1.220		20.316	
1,2,4,5-Tetrachlorobenzene	0.579	0.666		15.026	
1,4-Dioxane	0.451	0.508		12.639	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.324		-1.818	
1-Methylnaphthalene	0.726	0.676		-6.887	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BL	SDG No.:	BP060324
Lab Sample ID:	PB161236BL	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
BP020488.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BL	SDG No.:	BP060324
Lab Sample ID:	PB161236BL	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
BP020488.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BL	SDG No.:	BP060324
Lab Sample ID:	PB161236BL	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
BP020488.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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	141.856		10-139		95	SPK: -150
13127-88-3	Phenol-d6	128.603		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	89.638		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	88.652		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BL	SDG No.:	BP060324
Lab Sample ID:	PB161236BL	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
BP020488.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	129.029		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	92.573		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	334266	7.763				
1146-65-2	Naphthalene-d8	1295439	10.528				
15067-26-2	Acenaphthene-d10	826371	14.387				
1517-22-2	Phenanthrene-d10	1615176	17.192				
1719-03-5	Chrysene-d12	1107913	21.651				
1520-96-3	Perylene-d12	1162256	25.004				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BS	SDG No.:	BP060324
Lab Sample ID:	PB161236BS	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
BP020489.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	42.2		1	8	10	ug/L
110-86-1	Pyridine	32.8		1.6	4	5	ug/L
100-52-7	Benzaldehyde	8.3	J	4	8	10	ug/L
62-53-3	Aniline	28.4		1.6	4	5	ug/L
108-95-2	Phenol	39.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	42.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	40.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.3		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	38		1.6	8	10	ug/L
95-48-7	2-Methylphenol	37.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.5		1.4	4	5	ug/L
98-86-2	Acetophenone	41.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	36		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	40.8		1	4	5	ug/L
98-95-3	Nitrobenzene	41.2		1.3	4	5	ug/L
78-59-1	Isophorone	37.8		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	39		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	44.1		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.9		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	41.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.4		1.1	4	5	ug/L
65-85-0	Benzoic acid	30.8		5.5	8	10	ug/L
91-20-3	Naphthalene	40.8		1	4	5	ug/L
106-47-8	4-Chloroaniline	16.6		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	42.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BS	SDG No.:	BP060324
Lab Sample ID:	PB161236BS	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
BP020489.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	29.5		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	34.2		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	37.7		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	45.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	43.3		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	40.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45.4		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	36.8		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	24.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	41.6		0.81	4	5	ug/L
Total PAH	Total PAH	701.8		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	60.9		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	73.5		2	8	10	ug/L
132-64-9	Dibenzofuran	40.7		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	35.8		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	72.6		2.7	4	10	ug/L
84-66-2	Diethylphthalate	35.2		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	38.4		0.98	4	5	ug/L
86-73-7	Fluorene	38		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	31.7		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	36.6		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.3		0.89	4	5	ug/L
103-33-3	Azobenzene	37.2		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.9		1.1	4	5	ug/L
1912-24-9	Atrazine	41.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BS	SDG No.:	BP060324
Lab Sample ID:	PB161236BS	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
BP020489.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	79.5		1.9	8	10	ug/L
85-01-8	Phenanthrene	43.3		0.89	4	5	ug/L
120-12-7	Anthracene	44.6		1.1	4	5	ug/L
86-74-8	Carbazole	40.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	38.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	38.8		1.3	4	5	ug/L
92-87-5	Benzidine	18.3		4.1	8	10	ug/L
129-00-0	Pyrene	32.7		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	31.9		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	43.7		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	42.9		0.94	4	5	ug/L
218-01-9	Chrysene	43.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	36.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	42.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	43		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.7		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.1		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	50.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.8		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	37.3		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39.7		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	34.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.679		10-139		88	SPK: -150
13127-88-3	Phenol-d6	112.947		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	83.232		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.513		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BS	SDG No.:	BP060324
Lab Sample ID:	PB161236BS	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
BP020489.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.944		32-145		75	SPK: -150
1718-51-0	Terphenyl-d14	63.585		36-145		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	343642	7.763				
1146-65-2	Naphthalene-d8	1238210	10.528				
15067-26-2	Acenaphthene-d10	651950	14.381				
1517-22-2	Phenanthrene-d10	1076111	17.198				
1719-03-5	Chrysene-d12	1060035	21.651				
1520-96-3	Perylene-d12	1314676	25.015				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BSD	SDG No.:	BP060324
Lab Sample ID:	PB161236BSD	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
BP020490.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	41.5		1	8	10	ug/L
110-86-1	Pyridine	32.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	8.6	J	4	8	10	ug/L
62-53-3	Aniline	30.1		1.6	4	5	ug/L
108-95-2	Phenol	40.6		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	40.4		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	43.1		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	41.1		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	41.7		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	41.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	39.1		1.6	8	10	ug/L
95-48-7	2-Methylphenol	38.6		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.3		1.4	4	5	ug/L
98-86-2	Acetophenone	42		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	37.3		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	35.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	41.2		1	4	5	ug/L
98-95-3	Nitrobenzene	40.4		1.3	4	5	ug/L
78-59-1	Isophorone	38.1		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	40.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	45		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	39.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	42.3		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	42.4		1.1	4	5	ug/L
65-85-0	Benzoic acid	32.6		5.5	8	10	ug/L
91-20-3	Naphthalene	41		1	4	5	ug/L
106-47-8	4-Chloroaniline	15.3		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	42.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BSD	SDG No.:	BP060324
Lab Sample ID:	PB161236BSD	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
BP020490.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	30.7		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	35.5		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	37.2		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	41.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	44.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	42.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	40.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	38.5		0.93	4	5	ug/L
208-96-8	Acenaphthylene	45		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	37.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	25.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	41.1		0.81	4	5	ug/L
Total PAH	Total PAH	704.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	63.2		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	76.7		2	8	10	ug/L
132-64-9	Dibenzofuran	39.8		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	73.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	36		1.5	4	5	ug/L
84-66-2	Diethylphthalate	35.5		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	37.9		0.98	4	5	ug/L
86-73-7	Fluorene	37.6		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	33.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	37.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47		0.89	4	5	ug/L
103-33-3	Azobenzene	36.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.3		1.1	4	5	ug/L
1912-24-9	Atrazine	41.8		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BSD	SDG No.:	BP060324
Lab Sample ID:	PB161236BSD	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
BP020490.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	81.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.3		0.89	4	5	ug/L
120-12-7	Anthracene	43.9		1.1	4	5	ug/L
86-74-8	Carbazole	40.8		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	39.4		1.5	4	5	ug/L
206-44-0	Fluoranthene	40.3		1.3	4	5	ug/L
92-87-5	Benzidine	19		4.1	8	10	ug/L
129-00-0	Pyrene	34.3		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	33.5		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	44.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	43.2		0.94	4	5	ug/L
218-01-9	Chrysene	43.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	38.5		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	41.5		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	43.5		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.1		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	54.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	53.4		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	51		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.6		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.6		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	39.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	34.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.962		10-139		89	SPK: -150
13127-88-3	Phenol-d6	115.821		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	82.351		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	86.598		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	PB161236BSD	SDG No.:	BP060324
Lab Sample ID:	PB161236BSD	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
BP020490.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	114.204		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	66.778		36-145		67	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	335665	7.769				
1146-65-2	Naphthalene-d8	1247629	10.54				
15067-26-2	Acenaphthene-d10	663703	14.387				
1517-22-2	Phenanthrene-d10	1112803	17.198				
1719-03-5	Chrysene-d12	1079813	21.651				
1520-96-3	Perylene-d12	1322702	25.01				

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	TOTE-COMP	SDG No.:	BP060324
Lab Sample ID:	P2636-01	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
BP020491.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	TOTE-COMP	SDG No.:	BP060324
Lab Sample ID:	P2636-01	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
BP020491.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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	5.5		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:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	TOTE-COMP	SDG No.:	BP060324
Lab Sample ID:	P2636-01	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
BP020491.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

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	61.401		10-139		41	SPK: -150
13127-88-3	Phenol-d6	34.271		10-134		23	SPK: -150
4165-60-0	Nitrobenzene-d5	94.705		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	90.226		52-132		90	SPK: -100

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	TOTE-COMP	SDG No.:	BP060324
Lab Sample ID:	P2636-01	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
BP020491.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	165.661		32-145		110	SPK: -150
1718-51-0	Terphenyl-d14	81.851		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	217550	7.722				
1146-65-2	Naphthalene-d8	858236	10.499				
15067-26-2	Acenaphthene-d10	557782	14.363				
1517-22-2	Phenanthrene-d10	1195235	17.186				
1719-03-5	Chrysene-d12	1132740	21.645				
1520-96-3	Perylene-d12	1279263	25.01				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	150	J			3.022	
054446-78-5	Ethanol, 1-(2-butoxyethoxy)-	2.5	J			10.281	
000621-87-4	2-Propanone, 1-phenoxy-	47.4	J			10.793	
	unknown10.910	3	J			10.91	
132739-31-2	1-(1-tert-Butoxypropan-2-yloxy)pro	7.4	J			11.046	
000462-95-3	Methane, diethoxy-	5.7	J			11.104	
000770-35-4	1-Phenoxypropan-2-ol	29.1	J			11.234	
020627-54-7	1,3-Dioxane, 2-ethyl-5-methyl-	21.9	J			11.304	
	unknown11.457	2.3	J			11.457	
000098-54-4	Phenol, p-tert-butyl-	4.1	J			11.845	
	unknown14.581	2.4	J			14.581	
055934-93-5	Propanol, [(butoxymethylethoxy)met	3.6	J			15.275	
013674-84-5	2-Propanol, 1-chloro-, phosphate (	7.9	J			16.945	
1010397-63-6	4,8,12,16-tetraoxaeicosan-1-ol	2.8	J			17.575	
000057-10-3	n-Hexadecanoic acid	9.1	J			18.139	
000541-46-8	Butanamide, 3-methyl-	2.4	J			19.357	
020324-34-9	2,5,8,11-Tetraoxatetradecan-13-ol,	2.8	J			19.416	
000057-11-4	Octadecanoic acid	6.4	J			19.48	
013674-87-8	Tris(1,3-dichloroisopropyl)phospha	3.1	J			20.527	

Report of Analysis

Client:		Date Collected:	5/28/2024 12:00:00 AM
Project:		Date Received:	5/28/2024 12:00:00 AM
Client Sample ID:	TOTE-COMP	SDG No.:	BP060324
Lab Sample ID:	P2636-01	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
BP020491.D	1	5/31/2024 12:00:00 AM	6/3/2024 12:00:00 AM	PB161236

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
330207-53-9	E-14-Hexadecenal	3.4	J			21.345	

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6524			SDG No.:	BP060324		
Lab Sample ID:	SP6524			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
BP020492.D	1		6/3/2024 12:00:00 AM	

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

Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	SP6524			SDG No.:	BP060324		
Lab Sample ID:	SP6524			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
BP020492.D	1		6/3/2024 12:00:00 AM	

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

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6524	SDG No.:	BP060324
Lab Sample ID:	SP6524	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
BP020492.D	1		6/3/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	U	1900	8000	10000	ug/L
85-01-8	Phenanthrene	890	U	890	4000	5000	ug/L
120-12-7	Anthracene	1100	U	1100	4000	5000	ug/L
86-74-8	Carbazole	1200	U	1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	1500	U	1500	4000	5000	ug/L
206-44-0	Fluoranthene	1300	U	1300	4000	5000	ug/L
92-87-5	Benzidine	4100	U	4100	8000	10000	ug/L
129-00-0	Pyrene	1100	U	1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	2100	U	2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	1300	U	1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	940	U	940	4000	5000	ug/L
218-01-9	Chrysene	860	U	860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1900	U	1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	2500	U	2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	1100	U	1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	1200	U	1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	1700	U	1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1000	U	1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	1200	U	1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	1200	U	1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	U	1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	1300	U	1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	790	U	790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	860	U	860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	178234	*	10-139		118823	SPK: -150
13127-88-3	Phenol-d6	153825	*	10-134		102550	SPK: -150
4165-60-0	Nitrobenzene-d5	111271	*	49-133		111271	SPK: -100
321-60-8	2-Fluorobiphenyl	112005	*	52-132		112005	SPK: -100

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:	SP6524	SDG No.:	BP060324
Lab Sample ID:	SP6524	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
BP020492.D	1		6/3/2024 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	159525	*	32-145		106350	SPK: -150
1718-51-0	Terphenyl-d14	89560	*	36-145		89560	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	220619	7.746				
1146-65-2	Naphthalene-d8	831080	10.516				
15067-26-2	Acenaphthene-d10	481789	14.375				
1517-22-2	Phenanthrene-d10	936617	17.192				
1719-03-5	Chrysene-d12	998831	21.651				
1520-96-3	Perylene-d12	1125476	25.01				



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

Hit Summary Sheet SW-846

SDG No.: BP060324

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID : TOTE-COMP							
P2636-01	TOTE-COMP	Water 1,3-Dioxane, 2-ethyl-5-methyl-	* 21.900	J			
P2636-01	TOTE-COMP	Water 1-(1-tert-Butoxypropan-2-yloxy)p	* 7.400	J			
P2636-01	TOTE-COMP	Water 1-Phenoxypropan-2-ol	* 29.100	J			
P2636-01	TOTE-COMP	Water 2,5,8,11-Tetraoxatetradecan-13-ol	* 2.800	J			
P2636-01	TOTE-COMP	Water 2-Propanol, 1-chloro-, phosphate (	* 7.900	J			
P2636-01	TOTE-COMP	Water 2-Propanone, 1-phenoxy-	* 47.400	J			
P2636-01	TOTE-COMP	Water 4,8,12,16-tetraoxaeicosan-1-ol	* 2.800	J			
P2636-01	TOTE-COMP	Water Butanamide, 3-methyl-	* 2.400	J			
P2636-01	TOTE-COMP	Water Butane, 2-methoxy-2-methyl-	* 150.000	J			
P2636-01	TOTE-COMP	Water E-14-Hexadecenal	* 3.400	J			
P2636-01	TOTE-COMP	Water Ethanol, 1-(2-butoxyethoxy)-	* 2.500	J			
P2636-01	TOTE-COMP	Water Methane, diethoxy-	* 5.700	J			
P2636-01	TOTE-COMP	Water n-Hexadecanoic acid	* 9.100	J			
P2636-01	TOTE-COMP	Water Octadecanoic acid	* 6.400	J			
P2636-01	TOTE-COMP	Water Phenol, p-tert-butyl-	* 4.100	J			
P2636-01	TOTE-COMP	Water Propanol, [(butoxymethylethoxy)r	* 3.600	J			
P2636-01	TOTE-COMP	Water Tris(1,3-dichloroisopropyl)phosph	* 3.100	J			
P2636-01	TOTE-COMP	Water unknown10.910	* 3.000	J			
P2636-01	TOTE-COMP	Water unknown11.457	* 2.300	J			
P2636-01	TOTE-COMP	Water unknown14.581	* 2.400	J			
		Total Tics :	317.30				
P2636-01	TOTE-COMP	Water Dimethylphthalate	5.500	0.93		5	ug/L
		Total Svoc :	5.50				
		Total Concentration:	322.80				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.620	0.638	0.626	0.607	0.616	2.6
Pyridine		1.188	1.265	1.330	1.291	1.266	1.269	3.6
2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.117	2.7
Benzaldehyde		1.159	1.123	1.066	0.890	0.814	1.010	14.9
Aniline		1.547	1.568	1.680	1.633	1.585	1.596	3.7
Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.575	3.2
Phenol		1.604	1.600	1.701	1.638	1.584	1.614	3.1
bis(2-Chloroethyl)ether		1.362	1.367	1.409	1.347	1.270	1.331	4.5
2-Chlorophenol		1.251	1.246	1.313	1.269	1.224	1.252	3.0
1,2-Dichlorobenzene		1.540	1.497	1.518	1.455	1.385	1.447	5.3
1,3-Dichlorobenzene		1.533	1.526	1.546	1.473	1.425	1.475	4.3
1,4-Dichlorobenzene		1.568	1.534	1.578	1.504	1.433	1.499	4.4
Benzyl Alcohol		1.116	1.128	1.225	1.197	1.156	1.164	3.8
2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.095	4.0
2,2-oxybis(1-Chloropropane)		2.111	2.109	2.141	1.991	1.862	1.987	7.2
Acetophenone		0.523	0.512	0.520	0.495	0.478	0.496	4.8
3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.489	4.5
n-Nitroso-di-n-propylamine	1.014	1.121	1.126	1.174	1.108	1.031	1.075	6.4
Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.365	2.6
Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.548	3.5
Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.371	2.9
Isophorone		0.702	0.710	0.744	0.716	0.698	0.710	2.9
2-Nitrophenol		0.084	0.098	0.122	0.139	0.144	0.128	21.4
2,4-Dimethylphenol		0.209	0.214	0.223	0.220	0.213	0.214	2.9
bis(2-Chloroethoxy)methane		0.456	0.442	0.460	0.435	0.423	0.436	4.3
2,4-Dichlorophenol		0.259	0.276	0.299	0.295	0.292	0.288	5.2
1,2,4-Trichlorobenzene		0.350	0.345	0.353	0.340	0.330	0.342	2.8
Benzoic acid			0.120	0.153	0.183	0.193	0.181	21.7
Naphthalene		1.077	1.048	1.070	1.013	0.986	1.022	4.4
4-Chloroaniline		0.395	0.397	0.414	0.398	0.385	0.396	3.0
Hexachlorobutadiene		0.218	0.220	0.218	0.213	0.209	0.215	1.9
Caprolactam		0.091	0.104	0.109	0.109	0.108	0.105	6.6
4-Chloro-3-methylphenol		0.306	0.322	0.347	0.341	0.336	0.337	6.4
2-Methylnaphthalene		0.752	0.738	0.754	0.723	0.693	0.733	5.8
Hexachlorocyclopentadiene		0.176	0.181	0.204	0.210	0.209	0.203	9.5
2,4,6-Trichlorophenol		0.283	0.311	0.365	0.364	0.366	0.350	10.9

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.455	1.393	1.455	1.312	1.270	1.342	7.3
2,4,5-Trichlorophenol		0.351	0.375	0.418	0.420	0.411	0.404	7.4
1,1-Biphenyl		1.505	1.437	1.486	1.414	1.355	1.411	5.2
2-Chloronaphthalene		1.179	1.134	1.205	1.122	1.075	1.122	5.3
2-Nitroaniline		0.242	0.274	0.322	0.322	0.327	0.304	10.8
Dimethylphthalate		1.466	1.430	1.495	1.393	1.388	1.410	4.4
Acenaphthylene		1.722	1.670	1.779	1.647	1.627	1.665	4.2
2,6-Dinitrotoluene		0.253	0.285	0.319	0.312	0.309	0.301	8.1
3-Nitroaniline		0.257	0.290	0.321	0.314	0.315	0.302	7.5
Acenaphthene		1.112	1.068	1.116	1.026	1.027	1.050	4.8
2,4-Dinitrophenol			0.063	0.083	0.101	0.113	0.104	26.5
4-Nitrophenol		0.167	0.210	0.245	0.242	0.257	0.234	14.6
Dibenzofuran		1.781	1.709	1.779	1.643	1.590	1.664	6.0
2,4-Dinitrotoluene		0.296	0.351	0.416	0.416	0.425	0.396	13.3
Diethylphthalate		1.488	1.479	1.559	1.424	1.424	1.433	6.1
4-Chlorophenyl-phenylether		0.739	0.719	0.718	0.673	0.652	0.689	7.8
Fluorene		1.455	1.413	1.441	1.299	1.268	1.336	8.4
4-Nitroaniline		0.265	0.300	0.334	0.311	0.329	0.311	9.0
4,6-Dinitro-2-methylphenol			0.049	0.064	0.078	0.085	0.078	23.8
n-Nitrosodiphenylamine		0.573	0.574	0.576	0.541	0.526	0.550	5.0
Azobenzene		1.456	1.426	1.449	1.321	1.275	1.338	8.2
2,4,6-Tribromophenol		0.177	0.195	0.214	0.220	0.227	0.208	8.8
4-Bromophenyl-phenylether		0.203	0.206	0.204	0.202	0.197	0.205	2.3
Hexachlorobenzene		0.241	0.238	0.243	0.236	0.234	0.241	2.4
Atrazine		0.192	0.204	0.201	0.193	0.187	0.193	3.7
Pentachlorophenol			0.120	0.136	0.146	0.150	0.146	11.3
Phenanthrene		1.053	1.037	1.020	0.967	0.938	0.983	5.7
Anthracene		1.021	1.014	1.006	0.962	0.922	0.965	6.0
Carbazole		0.973	0.986	0.984	0.920	0.918	0.933	6.2
Di-n-butylphthalate		1.090	1.184	1.209	1.169	1.148	1.130	7.7
Fluoranthene		1.245	1.249	1.260	1.152	1.151	1.163	10.5
Benzidine			0.400	0.476	0.729	0.731	0.610	26.1
Pyrene		1.484	1.451	1.490	1.561	1.474	1.504	2.7
Terphenyl-d14		1.238	1.205	1.218	1.277	1.170	1.201	5.0
Butylbenzylphthalate		0.394	0.462	0.549	0.602	0.602	0.549	16.0
3,3-Dichlorobenzidine		0.314	0.360	0.411	0.416	0.435	0.391	11.1

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.348	1.340	1.367	1.316	1.290	1.317	3.1
Chrysene		1.297	1.256	1.291	1.248	1.192	1.241	3.7
Bis(2-ethylhexyl)phthalate		0.684	0.790	0.884	0.927	0.883	0.856	10.4
Di-n-octyl phthalate			1.005	1.274	1.264	1.267	1.244	9.8
Benzo(b)fluoranthene		1.202	1.271	1.327	1.261	1.216	1.246	4.3
Benzo(k)fluoranthene		1.194	1.218	1.274	1.217	1.203	1.215	2.8
Benzo(a)pyrene		0.939	1.003	1.075	1.056	1.040	1.032	4.6
Indeno(1,2,3-cd)pyrene		1.021	1.080	1.189	1.284	1.273	1.216	10.2
Dibenzo(a,h)anthracene		0.872	0.909	0.991	1.064	1.062	1.014	9.1
Benzo(g,h,i)perylene		0.869	0.904	0.982	1.068	1.059	1.014	9.6
1,2,4,5-Tetrachlorobenzene		0.576	0.573	0.601	0.575	0.563	0.579	3.7
1,4-Dioxane		0.471	0.464	0.466	0.444	0.433	0.451	4.4
2,3,4,6-Tetrachlorophenol		0.288	0.314	0.352	0.348	0.346	0.330	7.2
1-Methylnaphthalene		0.755	0.735	0.750	0.707	0.691	0.726	5.2

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.: BP060324 SAS No.: BP060324 SDG NO.: BP060324

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 3 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 11:56

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	328112	7.769	1.4069e+00	10.53	932714	14.39
UPPER LIMIT	656224	8.269	2813800	11.034	1865428	14.892
LOWER LIMIT	164056	7.269	703450	10.034	466357	13.892
EPA SAMPLE NO.						
01 PB161236BL	334266	7.76	1.29544e	10.53	826371	14.39
02 PB161236BS	343642	7.76	1.23821e	10.53	651950	14.38
03 PB161236BSD	335665	7.77	1.24763e	10.54	663703	14.39
04 TOTE-COMP	217550	7.72	858236	10.50	557782	14.36
05 SP6524	220619	7.75	831080	10.52	481789	14.38

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.: BP060324 SAS No.: BP060324 SDG NO.: BP060324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 3 2024 12:00AM

Lab File ID: BP020487.D Time Analyzed: 11:56

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	306383	7.769	1.09265e+01	10.53	606124	14.39
UPPER LIMIT	612766	8.269	2185300	11.028	1212248	14.887
LOWER LIMIT	153191.5	7.269	546325	10.028	303062	13.887
EPA SAMPLE NO.						
01 PB161236BL	334266	7.76	1.29544e	10.53	826371	14.39
02 PB161236BS	343642	7.76	1.23821e	10.53	651950	14.38
03 PB161236BSD	335665	7.77	1.24763e	10.54	663703	14.39
04 TOTE-COMP	217550	7.72	858236	10.50	557782	14.36
05 SP6524	220619	7.75	831080	10.52	481789	14.38

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.: BP060324 SAS No.: BP060324 SDG NO.: BP060324

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 3 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 11:56

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	1.94333e+01	17.204	1.46513e+	21.669	1.32054e+01	25.021
UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
EPA SAMPLE NO.						
01 PB161236BL	1.61518	17.19	1.10791e+	21.65	1.16226e+	25.00
02 PB161236BS	1.07611	17.20	1.06004e+	21.65	1.31468e+	25.02
03 PB161236BSD	1.1128e	17.20	1.07981e+	21.65	1.3227e+0	25.01
04 TOTE-COMP	1.19524	17.19	1.13274e+	21.65	1.27926e+	25.01
05 SP6524	936617 *	17.19	998831	21.65	1.12548e+	25.01

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.: BP060324 SAS No.: BP060324 SDG NO.: BP060324

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 3 2024 12:00AM

Lab File ID: BP020487.D Time Analyzed: 11:56

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	1.10668e+04	17.198	1.09824e+	21.651	1.33688e+04	25.01
UPPER LIMIT	2213360	17.698	2196480	22.151	2673760	25.51
LOWER LIMIT	553340	16.698	549120	21.151	668440	24.51
EPA SAMPLE NO.						
01 PB161236BL	1.61518	17.19	1.10791e+	21.65	1.16226e+	25.00
02 PB161236BS	1.07611	17.20	1.06004e+	21.65	1.31468e+	25.02
03 PB161236BSD	1.1128e	17.20	1.07981e+	21.65	1.3227e+0	25.01
04 TOTE-COMP	1.19524	17.19	1.13274e+	21.65	1.27926e+	25.01
05 SP6524	936617	17.19	998831	21.65	1.12548e+	25.01

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP060324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB161236BS	n-Nitrosodimethylamine	50	42.2	ug/L	84				55	108	
	Pyridine	50	32.8	ug/L	66				29	97	
	Benzaldehyde	50	8.3	ug/L	17				15	121	
	Aniline	50	28.4	ug/L	57				10	130	
	Phenol	50	39.6	ug/L	79				66	118	
	bis(2-Chloroethyl)ether	50	39.6	ug/L	79				62	103	
	2-Chlorophenol	50	42.1	ug/L	84				70	117	
	1,2-Dichlorobenzene	50	40.7	ug/L	81				72	102	
	1,3-Dichlorobenzene	50	41.5	ug/L	83				71	103	
	1,4-Dichlorobenzene	50	41.3	ug/L	83				76	103	
	Benzyl Alcohol	50	38	ug/L	76				36	93	
	2-Methylphenol	50	37.2	ug/L	74				69	109	
	2,2-oxybis(1-Chloropropane)	50	38.5	ug/L	77				52	103	
	Acetophenone	50	41.9	ug/L	84				60	104	
	3+4-Methylphenols	50	36	ug/L	72				67	106	
	N-Nitroso-di-n-propylamine	50	34.2	ug/L	68				57	107	
	Hexachloroethane	50	40.8	ug/L	82				76	118	
	Nitrobenzene	50	41.2	ug/L	82				58	106	
	Isophorone	50	37.8	ug/L	76				61	102	
	2-Nitrophenol	50	39	ug/L	78				70	115	
	2,4-Dimethylphenol	50	44.1	ug/L	88				67	130	
	bis(2-Chloroethoxy)methane	50	39.9	ug/L	80				58	109	
	2,4-Dichlorophenol	50	41.6	ug/L	83				66	115	
	1,2,4-Trichlorobenzene	50	42.4	ug/L	85				41	115	
	Benzoic acid	50	30.8	ug/L	62				10	125	
	Naphthalene	50	40.8	ug/L	82				64	107	
	4-Chloroaniline	50	16.6	ug/L	33				10	85	
	Hexachlorobutadiene	50	42.3	ug/L	85				69	101	
	Caprolactam	50	29.5	ug/L	59				58	128	
	4-Chloro-3-methylphenol	50	34.2	ug/L	68				65	114	
	2-Methylnaphthalene	50	37.7	ug/L	75				64	107	
	Hexachlorocyclopentadiene	100	140	ug/L	140				36	160	
	2,4,6-Trichlorophenol	50	45.1	ug/L	90				61	110	
	2,4,5-Trichlorophenol	50	41.3	ug/L	83				70	106	
	1,1-Biphenyl	50	45	ug/L	90				72	98	
	2-Chloronaphthalene	50	43.3	ug/L	87				59	106	
	2-Nitroaniline	50	40.4	ug/L	81				58	107	
	Dimethylphthalate	50	38.9	ug/L	78				64	103	
	Acenaphthylene	50	45.4	ug/L	91				65	108	
	2,6-Dinitrotoluene	50	36.8	ug/L	74				64	110	
	3-Nitroaniline	50	24.6	ug/L	49				28	100	
	Acenaphthene	50	41.6	ug/L	83				59	113	
	Total PAH	800	701.8	ug/L	88				59	113	
	2,4-Dinitrophenol	100	60.9	ug/L	61		*		64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP060324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161236BS	4-Nitrophenol	100	73.5	ug/L	74				68	116		
	Dibenzofuran	50	40.7	ug/L	81				65	106		
	2,4-Dinitrotoluene	50	35.8	ug/L	72				60	115		
	2,4-Dinitrotoluene/2,6-Dinitro	100	72.6	ug/L	73				60	115		
	Diethylphthalate	50	35.2	ug/L	70				63	105		
	4-Chlorophenyl-phenylether	50	38.4	ug/L	77				61	104		
	Fluorene	50	38	ug/L	76				64	107		
	4-Nitroaniline	50	31.7	ug/L	63		*		69	112		
	4,6-Dinitro-2-methylphenol	50	36.6	ug/L	73				62	132		
	N-Nitrosodiphenylamine	50	47.3	ug/L	95				61	109		
	Azobenzene	50	37.2	ug/L	74				59	106		
	4-Bromophenyl-phenylether	50	45.4	ug/L	91				73	103		
	Hexachlorobenzene	50	43.9	ug/L	88				73	106		
	Atrazine	50	41.3	ug/L	83				76	120		
	Pentachlorophenol	100	79.5	ug/L	80				47	114		
	Phenanthrene	50	43.3	ug/L	87				62	109		
	Anthracene	50	44.6	ug/L	89				65	110		
	Carbazole	50	40.7	ug/L	81				62	106		
	Di-n-butylphthalate	50	38.3	ug/L	77				64	106		
	Fluoranthene	50	38.8	ug/L	78				64	110		
	Benzidine	100	18.3	ug/L	18				10	94		
	Pyrene	50	32.7	ug/L	65		*		71	103		
	Butylbenzylphthalate	50	31.9	ug/L	64				61	105		
	3,3-Dichlorobenzidine	50	43.7	ug/L	87				43	108		
	Benzo(a)anthracene	50	42.9	ug/L	86				62	107		
	Chrysene	50	43.3	ug/L	87				61	108		
	bis(2-Ethylhexyl)phthalate	50	36.9	ug/L	74				59	110		
	Di-n-octyl phthalate	50	47	ug/L	94				67	126		
	Benzo(b)fluoranthene	50	42.1	ug/L	84				77	113		
	Benzo(k)fluoranthene	50	43	ug/L	86				64	113		
	Benzo(a)pyrene	50	48	ug/L	96				72	131		
	Indeno(1,2,3-cd)pyrene	50	53.7	ug/L	107		*		72	105		
	Dibenz(a,h)anthracene	50	53.1	ug/L	106				78	115		
	Benzo(g,h,i)perylene	50	50.5	ug/L	101				75	118		
	1,2,4,5-Tetrachlorobenzene	50	48.8	ug/L	98				72	101		
	1,4-Dioxane	50	37.3	ug/L	75				38	125		
	2,3,4,6-Tetrachlorophenol	50	39.7	ug/L	79				63	116		
	1-Methylnaphthalene	50	34.4	ug/L	69				51	114		
PB161236BSD	n-Nitrosodimethylamine	50	41.5	ug/L	83				55	108	20	
	Pyridine	50	32.7	ug/L	65				29	97	20	
	Benzaldehyde	50	8.6	ug/L	17				15	121	20	
	Aniline	50	30.1	ug/L	60				10	130	20	
	Phenol	50	40.6	ug/L	81				66	118	20	
	bis(2-Chloroethyl)ether	50	40.4	ug/L	81				62	103	20	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP060324**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161236BSD	2-Chlorophenol	50	43.1	ug/L	86				70	117	20
	1,2-Dichlorobenzene	50	41.1	ug/L	82				72	102	20
	1,3-Dichlorobenzene	50	41.7	ug/L	83				71	103	20
	1,4-Dichlorobenzene	50	41.8	ug/L	84				76	103	20
	Benzyl Alcohol	50	39.1	ug/L	78				36	93	20
	2-Methylphenol	50	38.6	ug/L	77				69	109	20
	2,2-oxybis(1-Chloropropane)	50	39.3	ug/L	79				52	103	20
	Acetophenone	50	42	ug/L	84				60	104	20
	3+4-Methylphenols	50	37.3	ug/L	75				67	106	20
	N-Nitroso-di-n-propylamine	50	35.2	ug/L	70				57	107	20
	Hexachloroethane	50	41.2	ug/L	82				76	118	20
	Nitrobenzene	50	40.4	ug/L	81				58	106	20
	Isophorone	50	38.1	ug/L	76				61	102	20
	2-Nitrophenol	50	40.2	ug/L	80				70	115	20
	2,4-Dimethylphenol	50	45	ug/L	90				67	130	20
	bis(2-Chloroethoxy)methane	50	39.6	ug/L	79				58	109	20
	2,4-Dichlorophenol	50	42.3	ug/L	85				66	115	20
	1,2,4-Trichlorobenzene	50	42.4	ug/L	85				41	115	20
	Benzoic acid	50	32.6	ug/L	65				10	125	20
	Naphthalene	50	41	ug/L	82				64	107	20
	4-Chloroaniline	50	15.3	ug/L	31				10	85	20
	Hexachlorobutadiene	50	42.3	ug/L	85				69	101	20
	Caprolactam	50	30.7	ug/L	61				58	128	20
	4-Chloro-3-methylphenol	50	35.5	ug/L	71				65	114	20
	2-Methylnaphthalene	50	37.2	ug/L	74				64	107	20
	Hexachlorocyclopentadiene	100	140	ug/L	140				36	160	20
	2,4,6-Trichlorophenol	50	46.1	ug/L	92				61	110	20
	2,4,5-Trichlorophenol	50	41.9	ug/L	84				70	106	20
	1,1-Biphenyl	50	44.7	ug/L	89				72	98	20
	2-Chloronaphthalene	50	42.9	ug/L	86				59	106	20
	2-Nitroaniline	50	40.6	ug/L	81				58	107	20
	Dimethylphthalate	50	38.5	ug/L	77				64	103	20
	Acenaphthylene	50	45	ug/L	90				65	108	20
	2,6-Dinitrotoluene	50	37.4	ug/L	75				64	110	20
	3-Nitroaniline	50	25.5	ug/L	51				28	100	20
	Acenaphthene	50	41.1	ug/L	82				59	113	20
	Total PAH	800	704.9	ug/L	88				59	113	20
	2,4-Dinitrophenol	100	63.2	ug/L	63		*		64	132	20
	4-Nitrophenol	100	76.7	ug/L	77				68	116	20
	Dibenzofuran	50	39.8	ug/L	80				65	106	20
	2,4-Dinitrotoluene	50	36	ug/L	72				60	115	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	73.4	ug/L	73				60	115	20
	Diethylphthalate	50	35.5	ug/L	71				63	105	20
	4-Chlorophenyl-phenylether	50	37.9	ug/L	76				61	104	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP060324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161236BSD	Fluorene	50	37.6	ug/L	75				64	107	20
	4-Nitroaniline	50	33.1	ug/L	66		*		69	112	20
	4,6-Dinitro-2-methylphenol	50	37.4	ug/L	75				62	132	20
	N-Nitrosodiphenylamine	50	47	ug/L	94				61	109	20
	Azobenzene	50	36.9	ug/L	74				59	106	20
	4-Bromophenyl-phenylether	50	44.4	ug/L	89				73	103	20
	Hexachlorobenzene	50	43.3	ug/L	87				73	106	20
	Atrazine	50	41.8	ug/L	84				76	120	20
	Pentachlorophenol	100	81.4	ug/L	81				47	114	20
	Phenanthrene	50	43.3	ug/L	87				62	109	20
	Anthracene	50	43.9	ug/L	88				65	110	20
	Carbazole	50	40.8	ug/L	82				62	106	20
	Di-n-butylphthalate	50	39.4	ug/L	79				64	106	20
	Fluoranthene	50	40.3	ug/L	81				64	110	20
	Benzidine	100	19	ug/L	19				10	94	20
	Pyrene	50	34.3	ug/L	69		*		71	103	20
	Butylbenzylphthalate	50	33.5	ug/L	67				61	105	20
	3,3-Dichlorobenzidine	50	44.5	ug/L	89				43	108	20
	Benzo(a)anthracene	50	43.2	ug/L	86				62	107	20
	Chrysene	50	43.5	ug/L	87				61	108	20
	bis(2-Ethylhexyl)phthalate	50	38.5	ug/L	77				59	110	20
	Di-n-octyl phthalate	50	47.4	ug/L	95				67	126	20
	Benzo(b)fluoranthene	50	41.5	ug/L	83				77	113	20
	Benzo(k)fluoranthene	50	43.5	ug/L	87				64	113	20
	Benzo(a)pyrene	50	48.1	ug/L	96				72	131	20
	Indeno(1,2,3-cd)pyrene	50	54.2	ug/L	108		*		72	105	20
	Dibenz(a,h)anthracene	50	53.4	ug/L	107				78	115	20
	Benzo(g,h,i)perylene	50	51	ug/L	102				75	118	20
	1,2,4,5-Tetrachlorobenzene	50	48.6	ug/L	97				72	101	20
	1,4-Dioxane	50	36.6	ug/L	73				38	125	20
	2,3,4,6-Tetrachlorophenol	50	39.9	ug/L	80				63	116	20
	1-Methylnaphthalene	50	34.8	ug/L	70				51	114	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SP6524

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP060324

SAS No.: BP060324 SDG NO.: BP060324

Lab File ID: BP020492.D

Lab Sample ID: SP6524

Instrument ID: BNA_P

Date Extracted: _____

Matrix: (soil/water) Water

Date Analyzed: 06/03/2024

Level: (low/med) LOW

Time Analyzed: 16:32

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP6524	SP6524	BP020492.D	06/03/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161236BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP060324

SAS No.: BP060324 SDG NO.: BP060324

Lab File ID: BP020488.D

Lab Sample ID: PB161236BL

Instrument ID: BNA_P

Date Extracted: 05/31/2024

Matrix: (soil/water) Water

Date Analyzed: 06/03/2024

Level: (low/med) LOW

Time Analyzed: 11:56

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161236BS	PB161236BS	BP020489.D	06/03/2024
PB161236BSD	PB161236BSD	BP020490.D	06/03/2024
TOTE-COMP	P2636-01	BP020491.D	06/03/2024

COMMENTS: _____



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

Surrogate Summary

SW-846

SDG No.: BP060324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike		Result		Recovery (%)	Qual	Limits (%)	
				(PPM)		(PPM)				Low	High
SP6524	SP6524	BP020492.D	2-Fluorophenol	150		178,234.00		118823	*	10	139
			Phenol-d6	150		153,825.00		102550	*	10	134
			Nitrobenzene-d5	100		111,271.00		111271	*	49	133
			2-Fluorobiphenyl	100		112,005.00		112005	*	52	132
			2,4,6-Tribromophenol	150		159,525.00		106350	*	32	145
			Terphenyl-d14	100		89,560.00		89560	*	36	145

Surrogate Summary

SW-846

SDG No.: **BP060324**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2636-01	TOTE-COMP	BP020491.D	2-Fluorophenol	150	61.40	41		10	139
			Phenol-d6	150	34.27	23		10	134
			Nitrobenzene-d5	100	94.71	95		49	133
			2-Fluorobiphenyl	100	90.23	90		52	132
			2,4,6-Tribromophenol	150	165.66	110		32	145
			Terphenyl-d14	100	81.85	82		36	145
PB161236BL	PB161236BL	BP020488.D	2-Fluorophenol	150	141.86	95		10	139
			Phenol-d6	150	128.60	86		10	134
			Nitrobenzene-d5	100	89.64	90		49	133
			2-Fluorobiphenyl	100	88.65	89		52	132
			2,4,6-Tribromophenol	150	129.03	86		32	145
			Terphenyl-d14	100	92.57	93		36	145
PB161236BS	PB161236BS	BP020489.D	2-Fluorophenol	150	132.68	88		10	139
			Phenol-d6	150	112.95	75		10	134
			Nitrobenzene-d5	100	83.23	83		49	133
			2-Fluorobiphenyl	100	87.51	88		52	132
			2,4,6-Tribromophenol	150	111.94	75		32	145
			Terphenyl-d14	100	63.59	64		36	145
PB161236BSD	PB161236BSD	BP020490.D	2-Fluorophenol	150	133.96	89		10	139
			Phenol-d6	150	115.82	77		10	134
			Nitrobenzene-d5	100	82.35	82		49	133
			2-Fluorobiphenyl	100	86.60	87		52	132
			2,4,6-Tribromophenol	150	114.20	76		32	145
			Terphenyl-d14	100	66.78	67		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP060324

Lab Code: CHEM

SAS No.: BP060324

SDG NO.: BP060324

Lab File ID: BP020486.D

DFTPP Injection Date: 06/03/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:42

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.9
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.5
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	6.7
275	10.0 - 60.0% of mass 198	27.6
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.8
442	Greater than 50% of mass 198	87.7
443	15.0 - 24.0% of mass 442	17 (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
SSTDCCC040	SSTDCCC040	BP020487.D	06/03/2024	11:11
PB161236BL	PB161236BL	BP020488.D	06/03/2024	11:56
PB161236BS	PB161236BS	BP020489.D	06/03/2024	12:40
PB161236BSD	PB161236BSD	BP020490.D	06/03/2024	13:24
TOTE-COMP	P2636-01	BP020491.D	06/03/2024	15:45
SP6524	SP6524	BP020492.D	06/03/2024	16:32