

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP061024 SAS No.: BP061024 SDG No.: BP061024

Instrument ID: BNA_P Calibration Date/Time: 6/10/2024 1:10:25

Lab File ID: BP020571.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	0.519		-15.747	
Pyridine	1.269	1.175		-7.407	
2-Fluorophenol	1.117	1.159		3.76	
Benzaldehyde	1.010	0.827		-18.119	
Aniline	1.596	1.340		-16.04	
Phenol-d6	1.575	1.429		-9.27	
Phenol	1.614	1.449		-10.223	20.0
bis(2-Chloroethyl) ether	1.331	1.167		-12.322	
2-Chlorophenol	1.252	1.207		-3.594	
1,2-Dichlorobenzene	1.447	1.425		-1.52	
1,3-Dichlorobenzene	1.475	1.474		-0.068	
1,4-Dichlorobenzene	1.499	1.469		-2.001	20.0
Benzyl Alcohol	1.164	0.949		-18.471	
2-Methylphenol	1.095	0.953		-12.968	
2,2-oxybis(1-Chloropropane)	1.987	1.487		-25.164	
Acetophenone	0.496	0.482		-2.823	
3+4-Methylphenols	1.489	1.266		-14.976	
n-Nitroso-di-n-propylamine	1.075	0.825	0.050	-23.256	
Nitrobenzene-d5	0.365	0.374		2.466	
Hexachloroethane	0.548	0.538		-1.825	
Nitrobenzene	0.371	0.365		-1.617	
Isophorone	0.710	0.613		-13.662	
2-Nitrophenol	0.128	0.170		32.813	20.0
2,4-Dimethylphenol	0.214	0.202		-5.607	
bis(2-Chloroethoxy) methane	0.436	0.386		-11.468	
2,4-Dichlorophenol	0.288	0.292		1.389	20.0
1,2,4-Trichlorobenzene	0.342	0.363		6.14	
Benzoic acid	0.181	0.193		6.63	
Naphthalene	1.022	1.026		0.391	
4-Chloroaniline	0.396	0.336		-15.152	
Hexachlorobutadiene	0.215	0.239		11.163	20.0
Caprolactam	0.105	0.078		-25.714	
4-Chloro-3-methylphenol	0.337	0.286		-15.134	20.0
2-Methylnaphthalene	0.733	0.662		-9.686	
Hexachlorocyclopentadiene	0.203	0.287	0.050	41.379	
2,4,6-Trichlorophenol	0.350	0.400		14.286	20.0
2-Fluorobiphenyl	1.342	1.495		11.401	
2,4,5-Trichlorophenol	0.404	0.439		8.663	
1,1-Biphenyl	1.411	1.502		6.449	

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP061024 SAS No.: BP061024 SDG No.: BP061024

Instrument ID: BNA_P Calibration Date/Time: 6/10/2024 1:10:25

Lab File ID: BP020571.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	1.194		6.417	
2-Nitroaniline	0.304	0.312		2.632	
Dimethylphthalate	1.410	1.267		-10.142	
Acenaphthylene	1.665	1.671		0.36	
2,6-Dinitrotoluene	0.301	0.298		-0.997	
3-Nitroaniline	0.302	0.282		-6.623	
Acenaphthene	1.050	1.029		-2.0	20.0
2,4-Dinitrophenol	0.104	0.132	0.050	26.923	
4-Nitrophenol	0.234	0.228	0.050	-2.564	
Dibenzofuran	1.664	1.634		-1.803	
2,4-Dinitrotoluene	0.396	0.392		-1.01	
Diethylphthalate	1.433	1.218		-15.003	
4-Chlorophenyl-phenylether	0.689	0.658		-4.499	
Fluorene	1.336	1.249		-6.512	
4-Nitroaniline	0.311	0.292		-6.109	
4,6-Dinitro-2-methylphenol	0.078	0.107		37.179	
n-Nitrosodiphenylamine	0.550	0.560		1.818	20.0
Azobenzene	1.338	1.148		-14.2	
2,4,6-Tribromophenol	0.208	0.237		13.942	
4-Bromophenyl-phenylether	0.205	0.219		6.829	
Hexachlorobenzene	0.241	0.254		5.394	
Atrazine	0.193	0.171		-11.399	
Pentachlorophenol	0.146	0.156		6.849	20.0
Phenanthrene	0.983	0.982		-0.102	
Anthracene	0.965	0.976		1.14	
Carbazole	0.933	0.939		0.643	
Di-n-butylphthalate	1.130	1.077		-4.69	
Fluoranthene	1.163	1.251		7.567	20.0
Benzidine	0.610	0.321		-47.377	
Pyrene	1.504	1.236		-17.819	
Terphenyl-d14	1.201	1.033		-13.988	
Butylbenzylphthalate	0.549	0.521		-5.1	
3,3-Dichlorobenzidine	0.391	0.439		12.276	
Benzo(a)anthracene	1.317	1.303		-1.063	
Chrysene	1.241	1.242		0.081	
Bis(2-ethylhexyl)phthalate	0.856	0.782		-8.645	
Di-n-octyl phthalate	1.244	1.418		13.987	20.0
Benzo(b)fluoranthene	1.246	1.128		-9.47	
Benzo(k)fluoranthene	1.215	1.099		-9.547	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP061024 SAS No.: BP061024 SDG No.: BP061024

Instrument ID: BNA_P Calibration Date/Time: 6/10/2024 1:10:25

Lab File ID: BP020571.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	0.991		-3.973	20.0
Indeno(1,2,3-cd)pyrene	1.216	1.350		11.02	
Dibenzo(a,h)anthracene	1.014	1.122		10.651	
Benzo(g,h,i)perylene	1.014	1.123		10.75	
1,2,4,5-Tetrachlorobenzene	0.579	0.677		16.926	
1,4-Dioxane	0.451	0.469		3.991	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.336		1.818	
1-Methylnaphthalene	0.726	0.653		-10.055	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BL	SDG No.:	BP061024
Lab Sample ID:	PB161394BL	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
BP020572.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

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:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BL	SDG No.:	BP061024
Lab Sample ID:	PB161394BL	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
BP020572.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

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:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BL	SDG No.:	BP061024
Lab Sample ID:	PB161394BL	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
BP020572.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

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	135.111		10-139		90	SPK: -150
13127-88-3	Phenol-d6	115.684		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	88.809		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	88.814		52-132		89	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BL	SDG No.:	BP061024
Lab Sample ID:	PB161394BL	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
BP020572.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.742		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	79.196		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	265990	7.769				
1146-65-2	Naphthalene-d8	959415	10.534				
15067-26-2	Acenaphthene-d10	571962	14.392				
1517-22-2	Phenanthrene-d10	1163893	17.204				
1719-03-5	Chrysene-d12	1055464	21.669				
1520-96-3	Perylene-d12	1275215	25.051				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BS	SDG No.:	BP061024
Lab Sample ID:	PB161394BS	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
BP020573.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	40.7		1	8	10	ug/L
110-86-1	Pyridine	34.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	30.9		4	8	10	ug/L
62-53-3	Aniline	21.7		1.6	4	5	ug/L
108-95-2	Phenol	39.1		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.5		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	42		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	41.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	42.6		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	42.8		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	38.5		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)	37.4		1.4	4	5	ug/L
98-86-2	Acetophenone	45.5		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	35.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	34.7		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	44.5		1	4	5	ug/L
98-95-3	Nitrobenzene	44.9		1.3	4	5	ug/L
78-59-1	Isophorone	40		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	52.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	44.3		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	40		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	44.2		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	40.6		5.5	8	10	ug/L
91-20-3	Naphthalene	43.4		1	4	5	ug/L
106-47-8	4-Chloroaniline	17.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	47.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BS	SDG No.:	BP061024
Lab Sample ID:	PB161394BS	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
BP020573.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	35.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	37.9		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.6		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	170	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	47.7		1	4	5	ug/L
92-52-4	1,1-Biphenyl	48.3		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	51.4		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	42.3		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49.8		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	33.9		1.4	4	5	ug/L
83-32-9	Acenaphthene	44.4		0.81	4	5	ug/L
Total PAH	Total PAH	782.9		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	99.1	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	99	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	90.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.4		1.5	4	5	ug/L
84-66-2	Diethylphthalate	41.7		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.8		0.98	4	5	ug/L
86-73-7	Fluorene	43.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	43.4		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.8		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46		0.89	4	5	ug/L
103-33-3	Azobenzene	42.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	48		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	46.8		1.1	4	5	ug/L
1912-24-9	Atrazine	48.7		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BS	SDG No.:	BP061024
Lab Sample ID:	PB161394BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020573.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	96.8	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47.8		0.89	4	5	ug/L
120-12-7	Anthracene	48.4		1.1	4	5	ug/L
86-74-8	Carbazole	46.6		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	47.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	49.2		1.3	4	5	ug/L
92-87-5	Benzidine	12.1		4.1	8	10	ug/L
129-00-0	Pyrene	39.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	42.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	40.4		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.3		0.94	4	5	ug/L
218-01-9	Chrysene	46.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	43		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	53.1		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	45.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	46.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	52.3		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	61.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	60.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	58.4		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	54.3		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	37.8		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	49.4		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	36.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.485		10-139		87	SPK: -150
13127-88-3	Phenol-d6	109.656		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	89.503		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	91.827		52-132		92	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161394BS	SDG No.:	BP061024
Lab Sample ID:	PB161394BS	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
BP020573.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	152.984		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	78.031		36-145		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	290955	7.769				
1146-65-2	Naphthalene-d8	986900	10.551				
15067-26-2	Acenaphthene-d10	513143	14.398				
1517-22-2	Phenanthrene-d10	995068	17.204				
1719-03-5	Chrysene-d12	1007135	21.674				
1520-96-3	Perylene-d12	1173570	25.051				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161338TB	SDG No.:	BP061024
Lab Sample ID:	PB161338TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020574.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161338TB	SDG No.:	BP061024
Lab Sample ID:	PB161338TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020574.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161338TB	SDG No.:	BP061024
Lab Sample ID:	PB161338TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020574.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.088		10-139		83	SPK: -150
13127-88-3	Phenol-d6	106.691		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	82.65		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	82.99		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161338TB	SDG No.:	BP061024
Lab Sample ID:	PB161338TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020574.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	128.3		32-145		86	SPK: -150
1718-51-0	Terphenyl-d14	70.429		36-145		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	304870	7.769				
1146-65-2	Naphthalene-d8	1107745	10.534				
15067-26-2	Acenaphthene-d10	639758	14.386				
1517-22-2	Phenanthrene-d10	1156492	17.204				
1719-03-5	Chrysene-d12	979094	21.662				
1520-96-3	Perylene-d12	1255560	25.045				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161387TB	SDG No.:	BP061024
Lab Sample ID:	PB161387TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020575.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161387TB	SDG No.:	BP061024
Lab Sample ID:	PB161387TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020575.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161387TB	SDG No.:	BP061024
Lab Sample ID:	PB161387TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020575.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	135.139		10-139		90	SPK: -150
13127-88-3	Phenol-d6	117.435		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	88.619		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	85.957		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	PB161387TB	SDG No.:	BP061024
Lab Sample ID:	PB161387TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020575.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.862		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	77.74		36-145		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	293783	7.769				
1146-65-2	Naphthalene-d8	1108767	10.534				
15067-26-2	Acenaphthene-d10	657787	14.392				
1517-22-2	Phenanthrene-d10	1220276	17.204				
1719-03-5	Chrysene-d12	998561	21.669				
1520-96-3	Perylene-d12	1240501	25.051				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPA	SDG No.:	BP061024
Lab Sample ID:	P2740-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020576.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPA	SDG No.:	BP061024
Lab Sample ID:	P2740-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020576.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPA	SDG No.:	BP061024
Lab Sample ID:	P2740-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020576.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.02		10-139		83	SPK: -150
13127-88-3	Phenol-d6	106.938		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	87.979		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	82.635		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPA	SDG No.:	BP061024
Lab Sample ID:	P2740-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020576.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	169.266		32-145		113	SPK: -150
1718-51-0	Terphenyl-d14	74.682		36-145		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	247480	7.757				
1146-65-2	Naphthalene-d8	931159	10.533				
15067-26-2	Acenaphthene-d10	611527	14.386				
1517-22-2	Phenanthrene-d10	1368745	17.198				
1719-03-5	Chrysene-d12	1314039	21.651				
1520-96-3	Perylene-d12	1450973	25.021				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMS	SDG No.:	BP061024
Lab Sample ID:	P2740-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020577.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	380		10.3	80	100	ug/L
110-86-1	Pyridine	310		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	130		16	40	50	ug/L
108-95-2	Phenol	390		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	390		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	440		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	400		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	410		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	400		16	80	100	ug/L
95-48-7	2-Methylphenol	420		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	370		13.5	40	50	ug/L
98-86-2	Acetophenone	420		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	380		14.8	25	25	ug/L
67-72-1	Hexachloroethane	410		10.1	40	50	ug/L
98-95-3	Nitrobenzene	410		12.7	40	50	ug/L
78-59-1	Isophorone	410		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	490		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	470		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	410		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	480		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	420		11	40	50	ug/L
65-85-0	Benzoic acid	390		54.7	80	100	ug/L
91-20-3	Naphthalene	420		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	37.9	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	420		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMS	SDG No.:	BP061024
Lab Sample ID:	P2740-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020577.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	420		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	450		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	410		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	510		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	480		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	440		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	420		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	490		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	450		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	470		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	110		13.7	40	50	ug/L
83-32-9	Acenaphthene	420		8.1	40	50	ug/L
Total PAH	Total PAH	7530		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1000	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1000	E	20	80	100	ug/L
132-64-9	Dibenzofuran	450		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	500		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		27.6	40	100	ug/L
84-66-2	Diethylphthalate	440		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	440		9.8	40	50	ug/L
86-73-7	Fluorene	440		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	410		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	540		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	360		8.9	40	50	ug/L
103-33-3	Azobenzene	430		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	450		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	430		11.4	40	50	ug/L
1912-24-9	Atrazine	200		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMS	SDG No.:	BP061024
Lab Sample ID:	P2740-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020577.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	990	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	450		8.9	40	50	ug/L
120-12-7	Anthracene	470		10.7	40	50	ug/L
86-74-8	Carbazole	350		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	460		14.7	40	50	ug/L
206-44-0	Fluoranthene	480		12.9	40	50	ug/L
92-87-5	Benzidine	130		40.7	80	100	ug/L
129-00-0	Pyrene	380		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	410		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	110		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		9.4	40	50	ug/L
218-01-9	Chrysene	450		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	420		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	520		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	570		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	560		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	520		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	360		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	520		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	380		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122.837		10-139		82	SPK: -150
13127-88-3	Phenol-d6	106.811		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	81.834		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	80.078		52-132		80	SPK: -100

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMS	SDG No.:	BP061024
Lab Sample ID:	P2740-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020577.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	161.421		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	70.855		36-145		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	229984	7.763				
1146-65-2	Naphthalene-d8	909059	10.528				
15067-26-2	Acenaphthene-d10	580517	14.387				
1517-22-2	Phenanthrene-d10	1272961	17.198				
1719-03-5	Chrysene-d12	1276156	21.657				
1520-96-3	Perylene-d12	1382894	25.033				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMSD	SDG No.:	BP061024
Lab Sample ID:	P2740-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020578.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	130		16	40	50	ug/L
108-95-2	Phenol	420		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	410		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	470		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	430		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	430		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	420		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	430		16	80	100	ug/L
95-48-7	2-Methylphenol	440		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	390		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	440		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	400		14.8	25	25	ug/L
67-72-1	Hexachloroethane	430		10.1	40	50	ug/L
98-95-3	Nitrobenzene	430		12.7	40	50	ug/L
78-59-1	Isophorone	430		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	530		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	490		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	500		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	450		11	40	50	ug/L
65-85-0	Benzoic acid	430		54.7	80	100	ug/L
91-20-3	Naphthalene	430		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	37	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	440		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMSD	SDG No.:	BP061024
Lab Sample ID:	P2740-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020578.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	440		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	470		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1500	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	540		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	510		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	450		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	450		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	510		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	470		9.3	40	50	ug/L
208-96-8	Acenaphthylene	500		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	480		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	110		13.7	40	50	ug/L
83-32-9	Acenaphthene	450		8.1	40	50	ug/L
Total PAH	Total PAH	7740		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	470		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1010		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	530		15.2	40	50	ug/L
84-66-2	Diethylphthalate	460		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	460		9.8	40	50	ug/L
86-73-7	Fluorene	460		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	420		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	580		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	390		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	470		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	460		11.4	40	50	ug/L
1912-24-9	Atrazine	210		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMSD	SDG No.:	BP061024
Lab Sample ID:	P2740-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020578.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	470		8.9	40	50	ug/L
120-12-7	Anthracene	490		10.7	40	50	ug/L
86-74-8	Carbazole	370		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	480		14.7	40	50	ug/L
206-44-0	Fluoranthene	490		12.9	40	50	ug/L
92-87-5	Benzidine	96	J	40.7	80	100	ug/L
129-00-0	Pyrene	410		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	440		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	98.3	J	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	470		9.4	40	50	ug/L
218-01-9	Chrysene	480		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	450		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	550		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	510		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	570		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	560		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	520		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	480		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	380		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	560		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	400		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	130.294		10-139		87	SPK: -150
13127-88-3	Phenol-d6	114.954		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	84.965		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	84.036		52-132		84	SPK: -100

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPAMSD	SDG No.:	BP061024
Lab Sample ID:	P2740-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020578.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	170.625		32-145		114	SPK: -150
1718-51-0	Terphenyl-d14	76.883		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	248043	7.757				
1146-65-2	Naphthalene-d8	977206	10.528				
15067-26-2	Acenaphthene-d10	624106	14.381				
1517-22-2	Phenanthrene-d10	1368550	17.198				
1719-03-5	Chrysene-d12	1278182	21.663				
1520-96-3	Perylene-d12	1427269	25.027				

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPB	SDG No.:	BP061024
Lab Sample ID:	P2740-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020579.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPB	SDG No.:	BP061024
Lab Sample ID:	P2740-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020579.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPB	SDG No.:	BP061024
Lab Sample ID:	P2740-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020579.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.161		10-139		83	SPK: -150
13127-88-3	Phenol-d6	103.995		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	87.314		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	82.48		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	6/5/2024 12:00:00 AM
Project:		Date Received:	6/5/2024 12:00:00 AM
Client Sample ID:	WCS-TPB	SDG No.:	BP061024
Lab Sample ID:	P2740-08	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020579.D	1	6/7/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161394

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	170.565		32-145		114	SPK: -150
1718-51-0	Terphenyl-d14	78.684		36-145		79	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	231241	7.758				
1146-65-2	Naphthalene-d8	882279	10.522				
15067-26-2	Acenaphthene-d10	582276	14.381				
1517-22-2	Phenanthrene-d10	1277344	17.198				
1719-03-5	Chrysene-d12	1279036	21.663				
1520-96-3	Perylene-d12	1457569	25.033				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPD	SDG No.:	BP061024
Lab Sample ID:	P2784-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020580.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPD	SDG No.:	BP061024
Lab Sample ID:	P2784-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020580.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPD	SDG No.:	BP061024
Lab Sample ID:	P2784-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020580.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	139.401		10-139		93	SPK: -150
13127-88-3	Phenol-d6	99.086		10-134		66	SPK: -150
4165-60-0	Nitrobenzene-d5	96.061		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	121.779		52-132		122	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPD	SDG No.:	BP061024
Lab Sample ID:	P2784-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020580.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	235.097	*	32-145		157	SPK: -150
1718-51-0	Terphenyl-d14	118.87		36-145		119	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	179730	7.758				
1146-65-2	Naphthalene-d8	688841	10.534				
15067-26-2	Acenaphthene-d10	346955	14.381				
1517-22-2	Phenanthrene-d10	932006	17.204				
1719-03-5	Chrysene-d12	678040	21.663				
1520-96-3	Perylene-d12	195555	25.045				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMS	SDG No.:	BP061024
Lab Sample ID:	P2784-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020581.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	52.9	J	40	80	100	ug/L
62-53-3	Aniline	130		16	40	50	ug/L
108-95-2	Phenol	430		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	440		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	500		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	450		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	460		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	470		16	80	100	ug/L
95-48-7	2-Methylphenol	470		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	400		13.5	40	50	ug/L
98-86-2	Acetophenone	480		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	470		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	420		14.8	25	25	ug/L
67-72-1	Hexachloroethane	460		10.1	40	50	ug/L
98-95-3	Nitrobenzene	460		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	560		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	530		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	460		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	540		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	480		11	40	50	ug/L
65-85-0	Benzoic acid	440		54.7	80	100	ug/L
91-20-3	Naphthalene	470		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	38.6	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	480		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMS	SDG No.:	BP061024
Lab Sample ID:	P2784-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020581.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	500		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	470		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1600	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	570		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	540		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	490		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	480		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	530		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	500		9.3	40	50	ug/L
208-96-8	Acenaphthylene	530		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	510		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	180		13.7	40	50	ug/L
83-32-9	Acenaphthene	470		8.1	40	50	ug/L
Total PAH	Total PAH	8030		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1000	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	500		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	540		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1050		27.6	40	100	ug/L
84-66-2	Diethylphthalate	470		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	490		9.8	40	50	ug/L
86-73-7	Fluorene	480		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	470		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	580		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	450		8.9	40	50	ug/L
103-33-3	Azobenzene	460		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	500		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	490		11.4	40	50	ug/L
1912-24-9	Atrazine	390		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMS	SDG No.:	BP061024
Lab Sample ID:	P2784-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	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
BP020581.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	500		8.9	40	50	ug/L
120-12-7	Anthracene	510		10.7	40	50	ug/L
86-74-8	Carbazole	460		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	510		12.9	40	50	ug/L
92-87-5	Benzidine	80.4	J	40.7	80	100	ug/L
129-00-0	Pyrene	420		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	450		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	190		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	490		9.4	40	50	ug/L
218-01-9	Chrysene	490		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	450		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	560		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	480		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	530		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	580		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	570		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	540		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	500		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	410		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	590		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	440		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	143.401		10-139		96	SPK: -150
13127-88-3	Phenol-d6	123.417		10-134		82	SPK: -150
4165-60-0	Nitrobenzene-d5	95.61		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	92.509		52-132		93	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMS	SDG No.:	BP061024
Lab Sample ID:	P2784-04MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020581.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	185.016		32-145		123	SPK: -150
1718-51-0	Terphenyl-d14	82.737		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	207045	7.752				
1146-65-2	Naphthalene-d8	809813	10.522				
15067-26-2	Acenaphthene-d10	527940	14.393				
1517-22-2	Phenanthrene-d10	1143710	17.204				
1719-03-5	Chrysene-d12	1129557	21.663				
1520-96-3	Perylene-d12	1324346	25.039				

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMSD	SDG No.:	BP061024
Lab Sample ID:	P2784-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020582.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	430		10.3	80	100	ug/L
110-86-1	Pyridine	370		15.5	40	50	ug/L
100-52-7	Benzaldehyde	56.4	J	40	80	100	ug/L
62-53-3	Aniline	160		16	40	50	ug/L
108-95-2	Phenol	460		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	460		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	530		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	480		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	480		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	480		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	510		16	80	100	ug/L
95-48-7	2-Methylphenol	500		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	420		13.5	40	50	ug/L
98-86-2	Acetophenone	490		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	500		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	450		14.8	25	25	ug/L
67-72-1	Hexachloroethane	470		10.1	40	50	ug/L
98-95-3	Nitrobenzene	480		12.7	40	50	ug/L
78-59-1	Isophorone	480		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	590		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	560		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	480		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	570		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	500		11	40	50	ug/L
65-85-0	Benzoic acid	490		54.7	80	100	ug/L
91-20-3	Naphthalene	490		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	43.8	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	490		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMSD	SDG No.:	BP061024
Lab Sample ID:	P2784-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020582.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	480		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	490		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1600	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	590		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	550		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	500		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	490		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	540		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	510		9.3	40	50	ug/L
208-96-8	Acenaphthylene	550		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	530		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	200		13.7	40	50	ug/L
83-32-9	Acenaphthene	480		8.1	40	50	ug/L
Total PAH	Total PAH	8270		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1100	E	20	80	100	ug/L
132-64-9	Dibenzofuran	510		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	570		15.2	40	50	ug/L
84-66-2	Diethylphthalate	500		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	500		9.8	40	50	ug/L
86-73-7	Fluorene	500		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	490		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	610		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	490		8.9	40	50	ug/L
103-33-3	Azobenzene	480		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	530		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	510		11.4	40	50	ug/L
1912-24-9	Atrazine	450		12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMSD	SDG No.:	BP061024
Lab Sample ID:	P2784-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020582.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1100	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	510		8.9	40	50	ug/L
120-12-7	Anthracene	540		10.7	40	50	ug/L
86-74-8	Carbazole	500		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		14.7	40	50	ug/L
206-44-0	Fluoranthene	530		12.9	40	50	ug/L
92-87-5	Benzidine	150		40.7	80	100	ug/L
129-00-0	Pyrene	450		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	470		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	250		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	520		9.4	40	50	ug/L
218-01-9	Chrysene	520		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	490		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	590		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	480		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	540		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	580		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	570		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	540		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	520		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	430		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	610		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	460		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	152.517		10-139		102	SPK: -150
13127-88-3	Phenol-d6	132.619		10-134		88	SPK: -150
4165-60-0	Nitrobenzene-d5	99.748		49-133		100	SPK: -100
321-60-8	2-Fluorobiphenyl	94.819		52-132		95	SPK: -100

Report of Analysis

Client:		Date Collected:	6/7/2024 12:00:00 AM
Project:		Date Received:	6/7/2024 12:00:00 AM
Client Sample ID:	WCS-TPDMSD	SDG No.:	BP061024
Lab Sample ID:	P2784-04MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 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
BP020582.D	1	6/10/2024 12:00:00 AM	6/10/2024 12:00:00 AM	PB161426

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	193.741		32-145		129	SPK: -150
1718-51-0	Terphenyl-d14	86.756		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	205853	7.758				
1146-65-2	Naphthalene-d8	814213	10.528				
15067-26-2	Acenaphthene-d10	542404	14.387				
1517-22-2	Phenanthrene-d10	1169950	17.204				
1719-03-5	Chrysene-d12	1093978	21.663				
1520-96-3	Perylene-d12	1308135	25.033				



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

Hit Summary Sheet
SW-846

SDG No.: BP061024

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:



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.: BP061024 SAS No.: BP061024 SDG NO.: BP061024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 11:08

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 PB161394BL	265990	7.77	959415	10.53	571962	14.39
02 PB161394BS	290955	7.77	986900	10.55	513143	14.40
03 PB161338TB	304870	7.77	1.10775e	10.53	639758	14.39
04 PB161387TB	293783	7.77	1.10877e	10.53	657787	14.39
05 WCS-TPA	247480	7.76	931159	10.53	611527	14.39
06 WCS-TPAMS	229984	7.76	909059	10.53	580517	14.39
07 WCS-TPAMSD	248043	7.76	977206	10.53	624106	14.38
08 WCS-TPB	231241	7.76	882279	10.52	582276	14.38
09 WCS-TPD	179730	7.76	688841 *	10.53	346955 *	14.38
10 WCS-TPDMS	207045	7.75	809813	10.52	527940	14.39
11 WCS-TPDMSD	205853	7.76	814213	10.53	542404	14.39

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.: BP061024 SAS No.: BP061024 SDG NO.: BP061024

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BP020571.D Time Analyzed: 11:08

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	281898	7.769	1.00077e+01	10.54	541306	14.40
UPPER LIMIT	563796	8.269	2001540	11.04	1082612	14.898
LOWER LIMIT	140949	7.269	500385	10.04	270653	13.898
EPA SAMPLE NO.						
01 PB161394BL	265990	7.77	959415	10.53	571962	14.39
02 PB161394BS	290955	7.77	986900	10.55	513143	14.40
03 PB161338TB	304870	7.77	1.10775e	10.53	639758	14.39
04 PB161387TB	293783	7.77	1.10877e	10.53	657787	14.39
05 WCS-TPA	247480	7.76	931159	10.53	611527	14.39
06 WCS-TPAMS	229984	7.76	909059	10.53	580517	14.39
07 WCS-TPAMSD	248043	7.76	977206	10.53	624106	14.38
08 WCS-TPB	231241	7.76	882279	10.52	582276	14.38
09 WCS-TPD	179730	7.76	688841	10.53	346955	14.38
10 WCS-TPDMS	207045	7.75	809813	10.52	527940	14.39
11 WCS-TPDMSD	205853	7.76	814213	10.53	542404	14.39

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.: BP061024 SAS No.: BP061024 SDG NO.: BP061024

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 11:08

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+01	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	PB161394BL	1.16389	17.20	1.05546e+01	21.67	1.27522e+01	25.05
02	PB161394BS	995068	17.20	1.00714e+01	21.67	1.17357e+01	25.05
03	PB161338TB	1.15649	17.20	979094	21.66	1.25556e+01	25.05
04	PB161387TB	1.22028	17.20	998561	21.67	1.2405e+01	25.05
05	WCS-TPA	1.36875	17.20	1.31404e+01	21.65	1.45097e+01	25.02
06	WCS-TPAMS	1.27296	17.20	1.27616e+01	21.66	1.38289e+01	25.03
07	WCS-TPAMSD	1.36855	17.20	1.27818e+01	21.66	1.42727e+01	25.03
08	WCS-TPB	1.27734	17.20	1.27904e+01	21.66	1.45757e+01	25.03
09	WCS-TPD	932006 *	17.20	678040 *	21.66	195555 *	25.05
10	WCS-TPDMS	1.14371	17.20	1.12956e+01	21.66	1.32435e+01	25.04
11	WCS-TPDMSD	1.16995	17.20	1.09398e+01	21.66	1.30814e+01	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 LOWER 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.: BP061024 SAS No.: BP061024 SDG NO.: BP061024

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 10 2024 12:00AM

Lab File ID: BP020571.D Time Analyzed: 11:08

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	1.00136e+01	17.216	1.07008e+01	21.669	1.38406e+01	25.039
UPPER LIMIT	2002720	17.716	2140160	22.169	2768120	25.539
LOWER LIMIT	500680	16.716	535040	21.169	692030	24.539
EPA SAMPLE NO.						
01 PB161394BL	1.16389	17.20	1.05546e+01	21.67	1.27522e+01	25.05
02 PB161394BS	995068	17.20	1.00714e+01	21.67	1.17357e+01	25.05
03 PB161338TB	1.15649	17.20	979094	21.66	1.25556e+01	25.05
04 PB161387TB	1.22028	17.20	998561	21.67	1.2405e+01	25.05
05 WCS-TPA	1.36875	17.20	1.31404e+01	21.65	1.45097e+01	25.02
06 WCS-TPAMS	1.27296	17.20	1.27616e+01	21.66	1.38289e+01	25.03
07 WCS-TPAMSD	1.36855	17.20	1.27818e+01	21.66	1.42727e+01	25.03
08 WCS-TPB	1.27734	17.20	1.27904e+01	21.66	1.45757e+01	25.03
09 WCS-TPD	932006	17.20	678040	21.66	195555 *	25.05
10 WCS-TPDMS	1.14371	17.20	1.12956e+01	21.66	1.32435e+01	25.04
11 WCS-TPDMSD	1.16995	17.20	1.09398e+01	21.66	1.30814e+01	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 LOWER 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.: **BP061024**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161394BS	n-Nitrosodimethylamine	50	40.7	ug/L	81				55	108	
	Pyridine	50	34.1	ug/L	68				29	97	
	Benzaldehyde	50	30.9	ug/L	62				15	121	
	Aniline	50	21.7	ug/L	43				10	130	
	Phenol	50	39.1	ug/L	78				66	118	
	bis(2-Chloroethyl)ether	50	39.5	ug/L	79				62	103	
	2-Chlorophenol	50	42	ug/L	84				70	117	
	1,2-Dichlorobenzene	50	41.9	ug/L	84				72	102	
	1,3-Dichlorobenzene	50	42.6	ug/L	85				71	103	
	1,4-Dichlorobenzene	50	42.8	ug/L	86				76	103	
	Benzyl Alcohol	50	38.5	ug/L	77				36	93	
	2-Methylphenol	50	37.2	ug/L	74				69	109	
	2,2-oxybis(1-Chloropropane)	50	37.4	ug/L	75				52	103	
	Acetophenone	50	45.5	ug/L	91				60	104	
	3+4-Methylphenols	50	35.4	ug/L	71				67	106	
	N-Nitroso-di-n-propylamine	50	34.7	ug/L	69				57	107	
	Hexachloroethane	50	44.5	ug/L	89				76	118	
	Nitrobenzene	50	44.9	ug/L	90				58	106	
	Isophorone	50	40	ug/L	80				61	102	
	2-Nitrophenol	50	52.2	ug/L	104				70	115	
	2,4-Dimethylphenol	50	44.3	ug/L	89				67	130	
	bis(2-Chloroethoxy)methane	50	40	ug/L	80				58	109	
	2,4-Dichlorophenol	50	44.2	ug/L	88				66	115	
	1,2,4-Trichlorobenzene	50	46.7	ug/L	93				41	115	
	Benzoic acid	50	40.6	ug/L	81				10	125	
	Naphthalene	50	43.4	ug/L	87				64	107	
	4-Chloroaniline	50	17.4	ug/L	35				10	85	
	Hexachlorobutadiene	50	47.7	ug/L	95				69	101	
	Caprolactam	50	35.6	ug/L	71				58	128	
	4-Chloro-3-methylphenol	50	37.9	ug/L	76				65	114	
	2-Methylnaphthalene	50	39.6	ug/L	79				64	107	
	Hexachlorocyclopentadiene	100	170	ug/L	170		*		36	160	
	2,4,6-Trichlorophenol	50	51.7	ug/L	103				61	110	
	2,4,5-Trichlorophenol	50	47.7	ug/L	95				70	106	
	1,1-Biphenyl	50	48.3	ug/L	97				72	98	
	2-Chloronaphthalene	50	47.4	ug/L	95				59	106	
	2-Nitroaniline	50	51.4	ug/L	103				58	107	
	Dimethylphthalate	50	42.3	ug/L	85				64	103	
	Acenaphthylene	50	49.8	ug/L	100				65	108	
	2,6-Dinitrotoluene	50	44.4	ug/L	89				64	110	
	3-Nitroaniline	50	33.9	ug/L	68				28	100	
	Acenaphthene	50	44.4	ug/L	89				59	113	
	Total PAH	800	782.9	ug/L	98				59	113	
	2,4-Dinitrophenol	100	99.1	ug/L	99				64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits		RPD
								Qual		High		
PB161394BS	4-Nitrophenol	100	99	ug/L	99				68	116		
	Dibenzofuran	50	45	ug/L	90				65	106		
	2,4-Dinitrotoluene	50	46.4	ug/L	93				60	115		
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	90.8	ug/L	91				60	115		
	Diethylphthalate	50	41.7	ug/L	83				63	105		
	4-Chlorophenyl-phenylether	50	43.8	ug/L	88				61	104		
	Fluorene	50	43.8	ug/L	88				64	107		
	4-Nitroaniline	50	43.4	ug/L	87				69	112		
	4,6-Dinitro-2-methylphenol	50	55.8	ug/L	112				62	132		
	N-Nitrosodiphenylamine	50	46	ug/L	92				61	109		
	Azobenzene	50	42.9	ug/L	86				59	106		
	4-Bromophenyl-phenylether	50	48	ug/L	96				73	103		
	Hexachlorobenzene	50	46.8	ug/L	94				73	106		
	Atrazine	50	48.7	ug/L	97				76	120		
	Pentachlorophenol	100	96.8	ug/L	97				47	114		
	Phenanthrene	50	47.8	ug/L	96				62	109		
	Anthracene	50	48.4	ug/L	97				65	110		
	Carbazole	50	46.6	ug/L	93				62	106		
	Di-n-butylphthalate	50	47.3	ug/L	95				64	106		
	Fluoranthene	50	49.2	ug/L	98				64	110		
	Benzidine	100	12.1	ug/L	12				10	94		
	Pyrene	50	39.2	ug/L	78				71	103		
	Butylbenzylphthalate	50	42.6	ug/L	85				61	105		
	3,3-Dichlorobenzidine	50	40.4	ug/L	81				43	108		
	Benzo(a)anthracene	50	46.3	ug/L	93				62	107		
	Chrysene	50	46.3	ug/L	93				61	108		
	bis(2-Ethylhexyl)phthalate	50	43	ug/L	86				59	110		
	Di-n-octyl phthalate	50	53.1	ug/L	106				67	126		
	Benzo(b)fluoranthene	50	45.7	ug/L	91				77	113		
	Benzo(k)fluoranthene	50	46.1	ug/L	92				64	113		
	Benzo(a)pyrene	50	52.3	ug/L	105				72	131		
	Indeno(1,2,3-cd)pyrene	50	61.2	ug/L	122		*		72	105		
	Dibenz(a,h)anthracene	50	60.6	ug/L	121		*		78	115		
	Benzo(g,h,i)perylene	50	58.4	ug/L	117				75	118		
	1,2,4,5-Tetrachlorobenzene	50	54.3	ug/L	109		*		72	101		
	1,4-Dioxane	50	37.8	ug/L	76				38	125		
	2,3,4,6-Tetrachlorophenol	50	49.4	ug/L	99				63	116		
	1-Methylnaphthalene	50	36.4	ug/L	73				51	114		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161394BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP061024

SAS No.: BP061024 SDG NO.: BP061024

Lab File ID: BP020572.D

Lab Sample ID: PB161394BL

Instrument ID: BNA_P

Date Extracted: 06/07/2024

Matrix: (soil/water) water

Date Analyzed: 06/10/2024

Level: (low/med) LOW

Time Analyzed: 11:08

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161394BS	PB161394BS	BP020573.D	06/10/2024
PB161338TB	PB161338TB	BP020574.D	06/10/2024
PB161387TB	PB161387TB	BP020575.D	06/10/2024
WCS-TPA	P2740-04	BP020576.D	06/10/2024
WCS-TPAMS	P2740-04MS	BP020577.D	06/10/2024
WCS-TPAMSD	P2740-04MSD	BP020578.D	06/10/2024
WCS-TPB	P2740-08	BP020579.D	06/10/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WCS-TPD

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP061024

SAS No.: BP061024 SDG NO.: BP061024

Lab File ID: BP020580.D

Lab Sample ID: P2784-04

Instrument ID: BNA_P

Date Extracted: 06/10/2024

Matrix: (soil/water) water

Date Analyzed: 06/10/2024

Level: (low/med) LOW

Time Analyzed: 16:55

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WCS-TPD	P2784-04	BP020580.D	06/10/2024
WCS-TPDMS	P2784-04MS	BP020581.D	06/10/2024
WCS-TPDMSD	P2784-04MSD	BP020582.D	06/10/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2740-04MS		Client Sample ID: WCS-TPAMS		DataFile: BP020577.D							
n-Nitrosodimethylamine	500		380	ug/L	76				10	130	
Pyridine	500		310	ug/L	62				10	109	
Benzaldehyde	500		0	ug/L	0	*			10	137	
Aniline	500		130	ug/L	26				10	130	
Phenol	500		390	ug/L	78				10	130	
bis(2-Chloroethyl)ether	500		390	ug/L	78				29	141	
2-Chlorophenol	500		440	ug/L	88				23	127	
1,2-Dichlorobenzene	500		410	ug/L	82				61	114	
1,3-Dichlorobenzene	500		400	ug/L	80				65	106	
1,4-Dichlorobenzene	500		410	ug/L	82				55	125	
Benzyl Alcohol	500		400	ug/L	80				31	94	
2-Methylphenol	500		420	ug/L	84				23	132	
2,2-oxybis(1-Chloropropane)	500		370	ug/L	74				36	141	
Acetophenone	500		420	ug/L	84				31	164	
3+4-Methylphenols	500		410	ug/L	82				17	136	
N-Nitroso-di-n-propylamine	500		380	ug/L	76				36	147	
Hexachloroethane	500		410	ug/L	82				35	137	
Nitrobenzene	500		410	ug/L	82				40	134	
Isophorone	500		410	ug/L	82				39	146	
2-Nitrophenol	500		490	ug/L	98				30	148	
2,4-Dimethylphenol	500		470	ug/L	94				17	143	
bis(2-Chloroethoxy)methane	500		410	ug/L	82				39	143	
2,4-Dichlorophenol	500		480	ug/L	96				22	146	
1,2,4-Trichlorobenzene	500		420	ug/L	84				66	110	
Benzoic acid	500		390	ug/L	78				10	101	
Naphthalene	500		420	ug/L	84				17	157	
4-Chloroaniline	500		37.9	ug/L	8	*			10	95	
Hexachlorobutadiene	500		420	ug/L	84				52	125	
Caprolactam	500		420	ug/L	84				10	130	
4-Chloro-3-methylphenol	500		450	ug/L	90				17	148	
2-Methylnaphthalene	500		410	ug/L	82				38	146	
Hexachlorocyclopentadiene	1000		1500	ug/L	150				20	153	
2,4,6-Trichlorophenol	500		510	ug/L	102				46	139	
2,4,5-Trichlorophenol	500		480	ug/L	96				42	129	
1,1-Biphenyl	500		440	ug/L	88				38	154	
2-Chloronaphthalene	500		420	ug/L	84				41	145	
2-Nitroaniline	500		490	ug/L	98				39	151	
Dimethylphthalate	500		450	ug/L	90				42	147	
Acenaphthylene	500		480	ug/L	96				40	141	
2,6-Dinitrotoluene	500		470	ug/L	94				43	148	
3-Nitroaniline	500		110	ug/L	22				10	111	
Acenaphthene	500		420	ug/L	84				37	146	
Total PAH	8000		7530	ug/L	94				37	146	
2,4-Dinitrophenol	1000		1000	ug/L	100				14	167	
4-Nitrophenol	1000		1000	ug/L	100				10	130	
Dibenzofuran	500		450	ug/L	90				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		500	ug/L	100				40	151	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		970	ug/L	97				40	151	
Diethylphthalate	500		440	ug/L	88				41	148	
4-Chlorophenyl-phenylether	500		440	ug/L	88				38	149	
Fluorene	500		440	ug/L	88				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		540	ug/L	108				32	175	
N-Nitrosodiphenylamine	500		360	ug/L	72				40	150	
Azobenzene	500		430	ug/L	86				72	112	
4-Bromophenyl-phenylether	500		450	ug/L	90				42	151	
Hexachlorobenzene	500		430	ug/L	86				60	129	
Atrazine	500		200	ug/L	40				20	162	
Pentachlorophenol	1000		990	ug/L	99				15	137	
Phenanthrene	500		450	ug/L	90				40	147	
Anthracene	500		470	ug/L	94				41	146	
Carbazole	500		350	ug/L	70				37	154	
Di-n-butylphthalate	500		460	ug/L	92				40	151	
Fluoranthene	500		480	ug/L	96				42	146	
Benzydine	1000		130	ug/L	13				10	130	
Pyrene	500		380	ug/L	76				41	149	
Butylbenzylphthalate	500		410	ug/L	82				39	155	
3,3-Dichlorobenzidine	500		110	ug/L	22				10	114	
Benzo(a)anthracene	500		450	ug/L	90				41	147	
Chrysene	500		450	ug/L	90				44	144	
bis(2-Ethylhexyl)phthalate	500		420	ug/L	84				33	160	
Di-n-octyl phthalate	500		520	ug/L	104				36	158	
Benzo(b)fluoranthene	500		460	ug/L	92				40	150	
Benzo(k)fluoranthene	500		470	ug/L	94				40	147	
Benzo(a)pyrene	500		510	ug/L	102				42	147	
Indeno(1,2,3-cd)pyrene	500		570	ug/L	114				30	166	
Dibenz(a,h)anthracene	500		560	ug/L	112				23	172	
Benzo(g,h,i)perylene	500		520	ug/L	104				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		520	ug/L	104				91	111	
1-Methylnaphthalene	500		380	ug/L	76				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2740-04MSD		Client Sample ID: WCS-TPAMSD		DataFile: BP020578.D							
n-Nitrosodimethylamine	500		400	ug/L	80		5		10	130	20
Pyridine	500		330	ug/L	66		6		10	109	20
Benzaldehyde	500		0	ug/L	0	*			10	137	20
Aniline	500		130	ug/L	26		0		10	130	20
Phenol	500		420	ug/L	84		7		10	130	20
bis(2-Chloroethyl)ether	500		410	ug/L	82		5		29	141	20
2-Chlorophenol	500		470	ug/L	94		7		23	127	20
1,2-Dichlorobenzene	500		430	ug/L	86		5		61	114	20
1,3-Dichlorobenzene	500		430	ug/L	86		7		65	106	20
1,4-Dichlorobenzene	500		420	ug/L	84		2		55	125	20
Benzyl Alcohol	500		430	ug/L	86		7		31	94	20
2-Methylphenol	500		440	ug/L	88		5		23	132	20
2,2-oxybis(1-Chloropropane)	500		390	ug/L	78		5		36	141	20
Acetophenone	500		440	ug/L	88		5		31	164	20
3+4-Methylphenols	500		440	ug/L	88		7		17	136	20
N-Nitroso-di-n-propylamine	500		400	ug/L	80		5		36	147	20
Hexachloroethane	500		430	ug/L	86		5		35	137	20
Nitrobenzene	500		430	ug/L	86		5		40	134	20
Isophorone	500		430	ug/L	86		5		39	146	20
2-Nitrophenol	500		530	ug/L	106		8		30	148	20
2,4-Dimethylphenol	500		490	ug/L	98		4		17	143	20
bis(2-Chloroethoxy)methane	500		420	ug/L	84		2		39	143	20
2,4-Dichlorophenol	500		500	ug/L	100		4		22	146	20
1,2,4-Trichlorobenzene	500		450	ug/L	90		7		66	110	20
Benzoic acid	500		430	ug/L	86		10		10	101	20
Naphthalene	500		430	ug/L	86		2		17	157	20
4-Chloroaniline	500		37	ug/L	7	*	13		10	95	20
Hexachlorobutadiene	500		440	ug/L	88		5		52	125	20
Caprolactam	500		440	ug/L	88		5		10	130	20
4-Chloro-3-methylphenol	500		470	ug/L	94		4		17	148	20
2-Methylnaphthalene	500		430	ug/L	86		5		38	146	20
Hexachlorocyclopentadiene	1000		1500	ug/L	150		0		20	153	20
2,4,6-Trichlorophenol	500		540	ug/L	108		6		46	139	20
2,4,5-Trichlorophenol	500		510	ug/L	102		6		42	129	20
1,1-Biphenyl	500		450	ug/L	90		2		38	154	20
2-Chloronaphthalene	500		450	ug/L	90		7		41	145	20
2-Nitroaniline	500		510	ug/L	102		4		39	151	20
Dimethylphthalate	500		470	ug/L	94		4		42	147	20
Acenaphthylene	500		500	ug/L	100		4		40	141	20
2,6-Dinitrotoluene	500		480	ug/L	96		2		43	148	20
3-Nitroaniline	500		110	ug/L	22		0		10	111	20
Acenaphthene	500		450	ug/L	90		7		37	146	20
Total PAH	8000		7740	ug/L	97		3		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		10		14	167	20
4-Nitrophenol	1000		1100	ug/L	110		10		10	130	20
Dibenzofuran	500		470	ug/L	94		4		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	500		530	ug/L	106		6		40	151	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1010	ug/L	101		4		40	151	20
Diethylphthalate	500		460	ug/L	92		4		41	148	20
4-Chlorophenyl-phenylether	500		460	ug/L	92		4		38	149	20
Fluorene	500		460	ug/L	92		4		39	144	20
4-Nitroaniline	500		420	ug/L	84		2		27	138	20
4,6-Dinitro-2-methylphenol	500		580	ug/L	116		7		32	175	20
N-Nitrosodiphenylamine	500		390	ug/L	78		8		40	150	20
Azobenzene	500		440	ug/L	88		2		72	112	20
4-Bromophenyl-phenylether	500		470	ug/L	94		4		42	151	20
Hexachlorobenzene	500		460	ug/L	92		7		60	129	20
Atrazine	500		210	ug/L	42		5		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		1		15	137	20
Phenanthrene	500		470	ug/L	94		4		40	147	20
Anthracene	500		490	ug/L	98		4		41	146	20
Carbazole	500		370	ug/L	74		6		37	154	20
Di-n-butylphthalate	500		480	ug/L	96		4		40	151	20
Fluoranthene	500		490	ug/L	98		2		42	146	20
Benzidine	1000		96	ug/L	10		26	*	10	130	20
Pyrene	500		410	ug/L	82		8		41	149	20
Butylbenzylphthalate	500		440	ug/L	88		7		39	155	20
3,3-Dichlorobenzidine	500		98.3	ug/L	20		10		10	114	20
Benzo(a)anthracene	500		470	ug/L	94		4		41	147	20
Chrysene	500		480	ug/L	96		6		44	144	20
bis(2-Ethylhexyl)phthalate	500		450	ug/L	90		7		33	160	20
Di-n-octyl phthalate	500		550	ug/L	110		6		36	158	20
Benzo(b)fluoranthene	500		460	ug/L	92		0		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		0		40	147	20
Benzo(a)pyrene	500		510	ug/L	102		0		42	147	20
Indeno(1,2,3-cd)pyrene	500		570	ug/L	114		0		30	166	20
Dibenz(a,h)anthracene	500		560	ug/L	112		0		23	172	20
Benzo(g,h,i)perylene	500		520	ug/L	104		0		27	167	20
1,2,4,5-Tetrachlorobenzene	500		480	ug/L	96		4		89	102	20
1,4-Dioxane	500		380	ug/L	76		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		560	ug/L	112	*	7		91	111	20
1-Methylnaphthalene	500		400	ug/L	80		5		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2784-04MS		Client Sample ID: WCS-TPDMS		DataFile: BP020581.D							
n-Nitrosodimethylamine	500		410	ug/L	82				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500		52.9	ug/L	11				10	137	
Aniline	500		130	ug/L	26				10	130	
Phenol	500		430	ug/L	86				10	130	
bis(2-Chloroethyl)ether	500		440	ug/L	88				29	141	
2-Chlorophenol	500		500	ug/L	100				23	127	
1,2-Dichlorobenzene	500		450	ug/L	90				61	114	
1,3-Dichlorobenzene	500		450	ug/L	90				65	106	
1,4-Dichlorobenzene	500		460	ug/L	92				55	125	
Benzyl Alcohol	500		470	ug/L	94				31	94	
2-Methylphenol	500		470	ug/L	94				23	132	
2,2-oxybis(1-Chloropropane)	500		400	ug/L	80				36	141	
Acetophenone	500		480	ug/L	96				31	164	
3+4-Methylphenols	500		470	ug/L	94				17	136	
N-Nitroso-di-n-propylamine	500		420	ug/L	84				36	147	
Hexachloroethane	500		460	ug/L	92				35	137	
Nitrobenzene	500		460	ug/L	92				40	134	
Isophorone	500		460	ug/L	92				39	146	
2-Nitrophenol	500		560	ug/L	112				30	148	
2,4-Dimethylphenol	500		530	ug/L	106				17	143	
bis(2-Chloroethoxy)methane	500		460	ug/L	92				39	143	
2,4-Dichlorophenol	500		540	ug/L	108				22	146	
1,2,4-Trichlorobenzene	500		480	ug/L	96				66	110	
Benzoic acid	500		440	ug/L	88				10	101	
Naphthalene	500		470	ug/L	94				17	157	
4-Chloroaniline	500		38.6	ug/L	8	*			10	95	
Hexachlorobutadiene	500		480	ug/L	96				52	125	
Caprolactam	500		450	ug/L	90				10	130	
4-Chloro-3-methylphenol	500		500	ug/L	100				17	148	
2-Methylnaphthalene	500		470	ug/L	94				38	146	
Hexachlorocyclopentadiene	1000		1600	ug/L	160	*			20	153	
2,4,6-Trichlorophenol	500		570	ug/L	114				46	139	
2,4,5-Trichlorophenol	500		540	ug/L	108				42	129	
1,1-Biphenyl	500		490	ug/L	98				38	154	
2-Chloronaphthalene	500		480	ug/L	96				41	145	
2-Nitroaniline	500		530	ug/L	106				39	151	
Dimethylphthalate	500		500	ug/L	100				42	147	
Acenaphthylene	500		530	ug/L	106				40	141	
2,6-Dinitrotoluene	500		510	ug/L	102				43	148	
3-Nitroaniline	500		180	ug/L	36				10	111	
Acenaphthene	500		470	ug/L	94				37	146	
Total PAH	8000		8030	ug/L	100				37	146	
2,4-Dinitrophenol	1000		1000	ug/L	100				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		500	ug/L	100				41	145	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1050	ug/L	105				40	151	
2,4-Dinitrotoluene	500		540	ug/L	108				40	151	
Diethylphthalate	500		470	ug/L	94				41	148	
4-Chlorophenyl-phenylether	500		490	ug/L	98				38	149	
Fluorene	500		480	ug/L	96				39	144	
4-Nitroaniline	500		470	ug/L	94				27	138	
4,6-Dinitro-2-methylphenol	500		580	ug/L	116				32	175	
N-Nitrosodiphenylamine	500		450	ug/L	90				40	150	
Azobenzene	500		460	ug/L	92				72	112	
4-Bromophenyl-phenylether	500		500	ug/L	100				42	151	
Hexachlorobenzene	500		490	ug/L	98				60	129	
Atrazine	500		390	ug/L	78				20	162	
Pentachlorophenol	1000		1100	ug/L	110				15	137	
Phenanthrene	500		500	ug/L	100				40	147	
Anthracene	500		510	ug/L	102				41	146	
Carbazole	500		460	ug/L	92				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		510	ug/L	102				42	146	
Benzidine	1000		80.4	ug/L	8	*			10	130	
Pyrene	500		420	ug/L	84				41	149	
Butylbenzylphthalate	500		450	ug/L	90				39	155	
3,3-Dichlorobenzidine	500		190	ug/L	38				10	114	
Benzo(a)anthracene	500		490	ug/L	98				41	147	
Chrysene	500		490	ug/L	98				44	144	
bis(2-Ethylhexyl)phthalate	500		450	ug/L	90				33	160	
Di-n-octyl phthalate	500		560	ug/L	112				36	158	
Benzo(b)fluoranthene	500		460	ug/L	92				40	150	
Benzo(k)fluoranthene	500		480	ug/L	96				40	147	
Benzo(a)pyrene	500		530	ug/L	106				42	147	
Indeno(1,2,3-cd)pyrene	500		580	ug/L	116				30	166	
Dibenz(a,h)anthracene	500		570	ug/L	114				23	172	
Benzo(g,h,i)perylene	500		540	ug/L	108				27	167	
1,2,4,5-Tetrachlorobenzene	500		500	ug/L	100				89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		590	ug/L	118	*			91	111	
1-Methylnaphthalene	500		440	ug/L	88				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2784-04MSD		Client Sample ID: WCS-TPDMSD		DataFile: BP020582.D							
n-Nitrosodimethylamine	500		430	ug/L	86		5		10	130	20
Pyridine	500		370	ug/L	74		11		10	109	20
Benzaldehyde	500		56.4	ug/L	11		0		10	137	20
Aniline	500		160	ug/L	32		21	*	10	130	20
Phenol	500		460	ug/L	92		7		10	130	20
bis(2-Chloroethyl)ether	500		460	ug/L	92		4		29	141	20
2-Chlorophenol	500		530	ug/L	106		6		23	127	20
1,2-Dichlorobenzene	500		480	ug/L	96		6		61	114	20
1,3-Dichlorobenzene	500		480	ug/L	96		6		65	106	20
1,4-Dichlorobenzene	500		480	ug/L	96		4		55	125	20
Benzyl Alcohol	500		510	ug/L	102	*	8		31	94	20
2-Methylphenol	500		500	ug/L	100		6		23	132	20
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84		5		36	141	20
Acetophenone	500		490	ug/L	98		2		31	164	20
3+4-Methylphenols	500		500	ug/L	100		6		17	136	20
N-Nitroso-di-n-propylamine	500		450	ug/L	90		7		36	147	20
Hexachloroethane	500		470	ug/L	94		2		35	137	20
Nitrobenzene	500		480	ug/L	96		4		40	134	20
Isophorone	500		480	ug/L	96		4		39	146	20
2-Nitrophenol	500		590	ug/L	118		5		30	148	20
2,4-Dimethylphenol	500		560	ug/L	112		6		17	143	20
bis(2-Chloroethoxy)methane	500		480	ug/L	96		4		39	143	20
2,4-Dichlorophenol	500		570	ug/L	114		5		22	146	20
1,2,4-Trichlorobenzene	500		500	ug/L	100		4		66	110	20
Benzoic acid	500		490	ug/L	98		11		10	101	20
Naphthalene	500		490	ug/L	98		4		17	157	20
4-Chloroaniline	500		43.8	ug/L	9	*	12		10	95	20
Hexachlorobutadiene	500		490	ug/L	98		2		52	125	20
Caprolactam	500		480	ug/L	96		6		10	130	20
4-Chloro-3-methylphenol	500		540	ug/L	108		8		17	148	20
2-Methylnaphthalene	500		490	ug/L	98		4		38	146	20
Hexachlorocyclopentadiene	1000		1600	ug/L	160	*	0		20	153	20
2,4,6-Trichlorophenol	500		590	ug/L	118		3		46	139	20
2,4,5-Trichlorophenol	500		550	ug/L	110		2		42	129	20
1,1-Biphenyl	500		500	ug/L	100		2		38	154	20
2-Chloronaphthalene	500		490	ug/L	98		2		41	145	20
2-Nitroaniline	500		540	ug/L	108		2		39	151	20
Dimethylphthalate	500		510	ug/L	102		2		42	147	20
Acenaphthylene	500		550	ug/L	110		4		40	141	20
2,6-Dinitrotoluene	500		530	ug/L	106		4		43	148	20
3-Nitroaniline	500		200	ug/L	40		11		10	111	20
Acenaphthene	500		480	ug/L	96		2		37	146	20
Total PAH	8000		8270	ug/L	103		3		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		10		14	167	20
4-Nitrophenol	1000		1100	ug/L	110		0		10	130	20
Dibenzofuran	500		510	ug/L	102		2		41	145	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP061024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1100	ug/L	110		5		40	151	20
2,4-Dinitrotoluene	500		570	ug/L	114		5		40	151	20
Diethylphthalate	500		500	ug/L	100		6		41	148	20
4-Chlorophenyl-phenylether	500		500	ug/L	100		2		38	149	20
Fluorene	500		500	ug/L	100		4		39	144	20
4-Nitroaniline	500		490	ug/L	98		4		27	138	20
4,6-Dinitro-2-methylphenol	500		610	ug/L	122		5		32	175	20
N-Nitrosodiphenylamine	500		490	ug/L	98		9		40	150	20
Azobenzene	500		480	ug/L	96		4		72	112	20
4-Bromophenyl-phenylether	500		530	ug/L	106		6		42	151	20
Hexachlorobenzene	500		510	ug/L	102		4		60	129	20
Atrazine	500		450	ug/L	90		14		20	162	20
Pentachlorophenol	1000		1100	ug/L	110		0		15	137	20
Phenanthrene	500		510	ug/L	102		2		40	147	20
Anthracene	500		540	ug/L	108		6		41	146	20
Carbazole	500		500	ug/L	100		8		37	154	20
Di-n-butylphthalate	500		520	ug/L	104		6		40	151	20
Fluoranthene	500		530	ug/L	106		4		42	146	20
Benzidine	1000		150	ug/L	15		61	*	10	130	20
Pyrene	500		450	ug/L	90		7		41	149	20
Butylbenzylphthalate	500		470	ug/L	94		4		39	155	20
3,3-Dichlorobenzidine	500		250	ug/L	50		27	*	10	114	20
Benzo(a)anthracene	500		520	ug/L	104		6		41	147	20
Chrysene	500		520	ug/L	104		6		44	144	20
bis(2-Ethylhexyl)phthalate	500		490	ug/L	98		9		33	160	20
Di-n-octyl phthalate	500		590	ug/L	118		5		36	158	20
Benzo(b)fluoranthene	500		480	ug/L	96		4		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		2		40	147	20
Benzo(a)pyrene	500		540	ug/L	108		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		580	ug/L	116		0		30	166	20
Dibenz(a,h)anthracene	500		570	ug/L	114		0		23	172	20
Benzo(g,h,i)perylene	500		540	ug/L	108		0		27	167	20
1,2,4,5-Tetrachlorobenzene	500		520	ug/L	104	*	4		89	102	20
1,4-Dioxane	500		430	ug/L	86		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		610	ug/L	122	*	3		91	111	20
1-Methylnaphthalene	500		460	ug/L	92		4		25	151	20

Surrogate Summary

SW-846

SDG No.: **BP061024**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2740-04	WCS-TPA	BP020576.D	2-Fluorophenol	150	125.02	83		10	139
			Phenol-d6	150	106.94	71		10	134
			Nitrobenzene-d5	100	87.98	88		49	133
			2-Fluorobiphenyl	100	82.64	83		52	132
			2,4,6-Tribromophenol	150	169.27	113		32	145
			Terphenyl-d14	100	74.68	75		36	145
P2740-04MS	WCS-TPAMS	BP020577.D	2-Fluorophenol	150	122.84	82		10	139
			Phenol-d6	150	106.81	71		10	134
			Nitrobenzene-d5	100	81.83	82		49	133
			2-Fluorobiphenyl	100	80.08	80		52	132
			2,4,6-Tribromophenol	150	161.42	108		32	145
			Terphenyl-d14	100	70.86	71		36	145
P2740-04MSD	WCS-TPAMSD	BP020578.D	2-Fluorophenol	150	130.29	87		10	139
			Phenol-d6	150	114.95	77		10	134
			Nitrobenzene-d5	100	84.97	85		49	133
			2-Fluorobiphenyl	100	84.04	84		52	132
			2,4,6-Tribromophenol	150	170.63	114		32	145
			Terphenyl-d14	100	76.88	77		36	145
P2740-08	WCS-TPB	BP020579.D	2-Fluorophenol	150	125.16	83		10	139
			Phenol-d6	150	104.00	69		10	134
			Nitrobenzene-d5	100	87.31	87		49	133
			2-Fluorobiphenyl	100	82.48	82		52	132
			2,4,6-Tribromophenol	150	170.57	114		32	145
			Terphenyl-d14	100	78.68	79		36	145
PB161338TB	PB161338TB	BP020574.D	2-Fluorophenol	150	124.09	83		10	139
			Phenol-d6	150	106.69	71		10	134
			Nitrobenzene-d5	100	82.65	83		49	133
			2-Fluorobiphenyl	100	82.99	83		52	132
			2,4,6-Tribromophenol	150	128.30	86		32	145
			Terphenyl-d14	100	70.43	70		36	145
PB161387TB	PB161387TB	BP020575.D	2-Fluorophenol	150	135.14	90		10	139
			Phenol-d6	150	117.44	78		10	134
			Nitrobenzene-d5	100	88.62	89		49	133
			2-Fluorobiphenyl	100	85.96	86		52	132
			2,4,6-Tribromophenol	150	139.86	93		32	145
			Terphenyl-d14	100	77.74	78		36	145
PB161394BL	PB161394BL	BP020572.D	2-Fluorophenol	150	135.11	90		10	139
			Phenol-d6	150	115.68	77		10	134
			Nitrobenzene-d5	100	88.81	89		49	133
			2-Fluorobiphenyl	100	88.81	89		52	132
			2,4,6-Tribromophenol	150	152.74	102		32	145
			Terphenyl-d14	100	79.20	79		36	145
PB161394BS	PB161394BS	BP020573.D	2-Fluorophenol	150	130.49	87		10	139
			Phenol-d6	150	109.66	73		10	134
			Nitrobenzene-d5	100	89.50	90		49	133
			2-Fluorobiphenyl	100	91.83	92		52	132
			2,4,6-Tribromophenol	150	152.98	102		32	145
			Terphenyl-d14	100	78.03	78		36	145

Surrogate Summary

SW-846

SDG No.: **BP061024**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2784-04	WCS-TPD	BP020580.D	2-Fluorophenol	150	139.40	93		10	139
			Phenol-d6	150	99.09	66		10	134
			Nitrobenzene-d5	100	96.06	96		49	133
			2-Fluorobiphenyl	100	121.78	122		52	132
			2,4,6-Tribromophenol	150	235.10	157	*	32	145
			Terphenyl-d14	100	118.87	119		36	145
P2784-04MS	WCS-TPDMS	BP020581.D	2-Fluorophenol	150	143.40	96		10	139
			Phenol-d6	150	123.42	82		10	134
			Nitrobenzene-d5	100	95.61	96		49	133
			2-Fluorobiphenyl	100	92.51	93		52	132
			2,4,6-Tribromophenol	150	185.02	123		32	145
			Terphenyl-d14	100	82.74	83		36	145
P2784-04MSD	WCS-TPDMSD	BP020582.D	2-Fluorophenol	150	152.52	102		10	139
			Phenol-d6	150	132.62	88		10	134
			Nitrobenzene-d5	100	99.75	100		49	133
			2-Fluorobiphenyl	100	94.82	95		52	132
			2,4,6-Tribromophenol	150	193.74	129		32	145
			Terphenyl-d14	100	86.76	87		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP061024

Lab Code: CHEM

SAS No.: BP061024

SDG NO.: BP061024

Lab File ID: BP020570.D

DFTPP Injection Date: 06/10/2024

Instrument ID: BNA_P

DFTPP Injection Time: 09:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	28.8
68	Less than 2.0% of mass 69	0.6 (1.9) 1
69	Mass 69 relative abundance	29.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	38.8
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	28.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	15.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.3 (19.3) 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	BP020571.D	06/10/2024	10:25
PB161394BL	PB161394BL	BP020572.D	06/10/2024	11:08
PB161394BS	PB161394BS	BP020573.D	06/10/2024	11:51
PB161338TB	PB161338TB	BP020574.D	06/10/2024	12:33
PB161387TB	PB161387TB	BP020575.D	06/10/2024	13:16
WCS-TPA	P2740-04	BP020576.D	06/10/2024	14:02
WCS-TPAMS	P2740-04MS	BP020577.D	06/10/2024	14:45
WCS-TPAMSD	P2740-04MSD	BP020578.D	06/10/2024	15:28
WCS-TPB	P2740-08	BP020579.D	06/10/2024	16:11
WCS-TPD	P2784-04	BP020580.D	06/10/2024	16:55
WCS-TPDMS	P2784-04MS	BP020581.D	06/10/2024	17:39
WCS-TPDMSD	P2784-04MSD	BP020582.D	06/10/2024	18:23