

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG No.: BP080823

Instrument ID: BNA_P Calibration Date/Time: 8/8/2023 12:09:52

Lab File ID: BP016529.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	0.539	0.540		0.186	
Pyridine	1.429	1.561		9.237	
2-Fluorophenol	1.226	1.204		-1.794	
Benzaldehyde	0.866	0.884		2.079	
Aniline	2.076	2.315		11.513	
Phenol-d6	1.680	1.872		11.429	
Phenol	1.632	1.815		11.213	20.0
bis(2-Chloroethyl)ether	1.326	1.398		5.43	
2-Chlorophenol	1.285	1.332		3.658	
1,2-Dichlorobenzene	1.348	1.333		-1.113	
1,3-Dichlorobenzene	1.380	1.328		-3.768	
1,4-Dichlorobenzene	1.400	1.355		-3.214	20.0
Benzyl Alcohol	1.148	1.317		14.721	
2-Methylphenol	1.176	1.328		12.925	
2,2-oxybis(1-Chloropropane)	1.504	1.635		8.71	
Acetophenone	0.505	0.495		-1.98	
3+4-Methylphenols	1.597	1.838		15.091	
n-Nitroso-di-n-propylamine	1.053	1.200	0.050	13.96	
Nitrobenzene-d5	0.357	0.359		0.56	
Hexachloroethane	0.499	0.475		-4.81	
Nitrobenzene	0.367	0.365		-0.545	
Isophorone	0.721	0.724		0.416	
2-Nitrophenol	0.141	0.155		9.929	20.0
2,4-Dimethylphenol	0.323	0.318		-1.548	
bis(2-Chloroethoxy)methane	0.442	0.438		-0.905	
2,4-Dichlorophenol	0.302	0.298		-1.325	20.0
1,2,4-Trichlorobenzene	0.327	0.295		-9.786	
Benzoic acid	0.191	0.236		23.56	
Naphthalene	1.046	1.001		-4.302	
4-Chloroaniline	0.472	0.488		3.39	
Hexachlorobutadiene	0.194	0.164		-15.464	20.0
Caprolactam	0.110	0.131		19.091	
4-Chloro-3-methylphenol	0.336	0.368		9.524	20.0
2-Methylnaphthalene	0.760	0.757		-0.395	
Hexachlorocyclopentadiene	0.305	0.241	0.050	-20.984	
2,4,6-Trichlorophenol	0.390	0.375		-3.846	20.0
2-Fluorobiphenyl	1.395	1.258		-9.821	
2,4,5-Trichlorophenol	0.473	0.457		-3.383	
1,1-Biphenyl	1.525	1.406		-7.803	
2-Chloronaphthalene	1.150	1.069		-7.043	
2-Nitroaniline	0.324	0.359		10.802	

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG No.: BP080823

Instrument ID: BNA_P Calibration Date/Time: 8/8/2023 12:09:52

Lab File ID: BP016529.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
Dimethylphthalate	1.559	1.512		-3.015	
Acenaphthylene	1.908	1.838		-3.669	
2,6-Dinitrotoluene	0.319	0.332		4.075	
3-Nitroaniline	0.361	0.396		9.695	
Acenaphthene	1.135	1.092		-3.789	20.0
2,4-Dinitrophenol	0.121	0.151	0.050	24.793	
4-Nitrophenol	0.283	0.338	0.050	19.435	
Dibenzofuran	1.861	1.795		-3.546	
2,4-Dinitrotoluene	0.416	0.459		10.337	
Diethylphthalate	1.549	1.528		-1.356	
4-Chlorophenyl-phenylether	0.738	0.702		-4.878	
Fluorene	1.462	1.455		-0.479	
4-Nitroaniline	0.358	0.415		15.922	
4,6-Dinitro-2-methylphenol	0.084	0.095		13.095	
n-Nitrosodiphenylamine	0.589	0.535		-9.168	20.0
Azobenzene	1.462	1.487		1.71	
2,4,6-Tribromophenol	0.294	0.275		-6.463	
4-Bromophenyl-phenylether	0.212	0.183		-13.679	
Hexachlorobenzene	0.236	0.204		-13.559	
Atrazine	0.175	0.165		-5.714	
Pentachlorophenol	0.163	0.159		-2.454	20.0
Phenanthrene	1.062	1.008		-5.085	
Anthracene	1.068	1.031		-3.464	
Carbazole	1.001	1.013		1.199	
Di-n-butylphthalate	1.158	1.176		1.554	
Fluoranthene	1.245	1.272		2.169	20.0
Benzidine	0.347	0.402		15.85	
Pyrene	1.341	1.240		-7.532	
Terphenyl-d14	0.947	0.865		-8.659	
Butylbenzylphthalate	0.527	0.541		2.657	
3,3-Dichlorobenzidine	0.441	0.443		0.454	
Benzo (a) anthracene	1.342	1.299		-3.204	
Chrysene	1.281	1.241		-3.123	
Bis (2-ethylhexyl) phthalate	0.791	0.804		1.643	
Di-n-octyl phthalate	1.330	1.458		9.624	20.0
Benzo (b) fluoranthene	1.159	1.095		-5.522	
Benzo (k) fluoranthene	1.179	1.126		-4.495	
Benzo (a) pyrene	1.123	1.100		-2.048	20.0
Indeno (1,2,3-cd) pyrene	1.348	1.351		0.223	
Dibenzo (a,h) anthracene	1.124	1.122		-0.178	
Benzo (g,h,i) perylene	1.084	1.107		2.122	



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG No.: BP080823
Instrument ID: BNA_P Calibration Date/Time: 8/8/2023 12:09:52
Lab File ID: BP016529.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
1,2,4,5-Tetrachlorobenzene	0.608	0.523		-13.98	
1,4-Dioxane	0.478	0.441		-7.741	20.0
2,3,4,6-Tetrachlorophenol	0.389	0.391		0.514	
1-Methylnaphthalene	0.713	0.716		0.421	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BL	SDG No.:	BP080823
Lab Sample ID:	PB154690BL	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
BP016530.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BL	SDG No.:	BP080823
Lab Sample ID:	PB154690BL	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
BP016530.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BL	SDG No.:	BP080823
Lab Sample ID:	PB154690BL	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
BP016530.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	170.113		10-139		113	SPK: -150
13127-88-3	Phenol-d6	170.894		10-134		114	SPK: -150
4165-60-0	Nitrobenzene-d5	96.053		49-133		96	SPK: -100
321-60-8	2-Fluorobiphenyl	89.677		52-132		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.72		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	93.059		36-145		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193117	8.063				
1146-65-2	Naphthalene-d8	877339	10.898				
15067-26-2	Acenaphthene-d10	615265	14.716				
1517-22-2	Phenanthrene-d10	1603791	17.48				
1719-03-5	Chrysene-d12	1821257	21.58				
1520-96-3	Perylene-d12	2088185	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BL	SDG No.:	BP080823
Lab Sample ID:	PB154690BL	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
BP016530.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154654TB	SDG No.:	BP080823
Lab Sample ID:	PB154654TB	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
BP016531.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154654TB	SDG No.:	BP080823
Lab Sample ID:	PB154654TB	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
BP016531.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154654TB	SDG No.:	BP080823
Lab Sample ID:	PB154654TB	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
BP016531.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	155.101		10-139		103	SPK: -150
13127-88-3	Phenol-d6	157.958		10-134		105	SPK: -150
4165-60-0	Nitrobenzene-d5	86.198		49-133		86	SPK: -100
321-60-8	2-Fluorobiphenyl	81.037		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	123.805		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	82.831		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158538	8.063				
1146-65-2	Naphthalene-d8	729285	10.898				
15067-26-2	Acenaphthene-d10	523641	14.716				
1517-22-2	Phenanthrene-d10	1418824	17.48				
1719-03-5	Chrysene-d12	1745720	21.58				
1520-96-3	Perylene-d12	2093539	24.168				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154654TB	SDG No.:	BP080823
Lab Sample ID:	PB154654TB	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
BP016531.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BS	SDG No.:	BP080823
Lab Sample ID:	PB154690BS	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
BP016532.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	45.2		2	8	10	ug/L
110-86-1	Pyridine	35.7		1.8	4	5	ug/L
100-52-7	Benzaldehyde	70.2		3.3	8	10	ug/L
62-53-3	Aniline	51.3		2.4	4	5	ug/L
108-95-2	Phenol	63.2		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	51.9		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	58.1		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	51.7		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	49.3		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	50		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	59.4		2.4	8	10	ug/L
95-48-7	2-Methylphenol	57.9		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	57.1		2.3	4	5	ug/L
98-86-2	Acetophenone	45.6		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	59.2		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	54.8		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	49.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	46.8		1.7	4	5	ug/L
78-59-1	Isophorone	45.7		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	46		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	51.5		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	51.2		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	43.7		1.7	4	5	ug/L
65-85-0	Benzoic acid	49.8		6.7	8	10	ug/L
91-20-3	Naphthalene	45.5		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	41.9		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	39.3		1.9	4	5	ug/L
105-60-2	Caprolactam	57.2		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	55.3		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	45.1		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BS	SDG No.:	BP080823
Lab Sample ID:	PB154690BS	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
BP016532.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	91.1	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	46.5		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	42.9		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	44.2		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	52.1		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.2		1.9	4	5	ug/L
208-96-8	Acenaphthylene	44.8		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	48.3		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	46.6		2.4	4	5	ug/L
83-32-9	Acenaphthene	45.1		1.7	4	5	ug/L
Total PAH	Total PAH	737.6		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	110	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	130	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	44.7		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	101		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	52.7		2.5	4	5	ug/L
84-66-2	Diethylphthalate	46.2		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.5		2.2	4	5	ug/L
86-73-7	Fluorene	46.4		2	4	5	ug/L
100-01-6	4-Nitroaniline	52.9		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	50.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.4		2	4	5	ug/L
103-33-3	Azobenzene	48.2		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	40.3		2	4	5	ug/L
118-74-1	Hexachlorobenzene	41.9		1.9	4	5	ug/L
1912-24-9	Atrazine	54		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	86.5	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	45.4		2	4	5	ug/L
120-12-7	Anthracene	45.7		2.3	4	5	ug/L
86-74-8	Carbazole	48.7		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	47.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	47.9		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BS	SDG No.:	BP080823
Lab Sample ID:	PB154690BS	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
BP016532.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	E	6.6	8	10	ug/L
129-00-0	Pyrene	44.1		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	48.3		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	48.5		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.4		1.5	4	5	ug/L
218-01-9	Chrysene	44.2		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	47.1		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	49.8		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	48.7		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	44.6		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.3		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.5		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.6		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.2		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	45.9		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	165.583		10-139		110	SPK: -150
13127-88-3	Phenol-d6	167.286		10-134		112	SPK: -150
4165-60-0	Nitrobenzene-d5	90.607		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	80.408		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.406		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	87.356		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	205680	8.063				
1146-65-2	Naphthalene-d8	1011578	10.898				
15067-26-2	Acenaphthene-d10	709614	14.716				
1517-22-2	Phenanthrene-d10	1719841	17.48				
1719-03-5	Chrysene-d12	1841259	21.58				
1520-96-3	Perylene-d12	2138831	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154690BS	SDG No.:	BP080823
Lab Sample ID:	PB154690BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016532.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BP080823
Lab Sample ID:	O3891-02	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016533.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BP080823
Lab Sample ID:	O3891-02	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016533.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BP080823
Lab Sample ID:	O3891-02	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
BP016533.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144.177		10-139		96	SPK: -150
13127-88-3	Phenol-d6	133.778		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	92.716		49-133		93	SPK: -100
321-60-8	2-Fluorobiphenyl	86.271		52-132		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.466		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	91.788		36-145		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	217560	8.063				
1146-65-2	Naphthalene-d8	953967	10.899				
15067-26-2	Acenaphthene-d10	661718	14.716				
1517-22-2	Phenanthrene-d10	1757840	17.481				
1719-03-5	Chrysene-d12	1999034	21.58				
1520-96-3	Perylene-d12	2259137	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BP080823
Lab Sample ID:	O3891-02	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
BP016533.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BP080823
Lab Sample ID:	O3891-04	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016534.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BP080823
Lab Sample ID:	O3891-04	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
BP016534.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BP080823
Lab Sample ID:	O3891-04	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
BP016534.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	164.443		10-139		110	SPK: -150
13127-88-3	Phenol-d6	155.282		10-134		104	SPK: -150
4165-60-0	Nitrobenzene-d5	107.387		49-133		107	SPK: -100
321-60-8	2-Fluorobiphenyl	97.212		52-132		97	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.501		32-145		98	SPK: -150
1718-51-0	Terphenyl-d14	101.078		36-145		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196146	8.064				
1146-65-2	Naphthalene-d8	851451	10.899				
15067-26-2	Acenaphthene-d10	596502	14.716				
1517-22-2	Phenanthrene-d10	1583266	17.481				
1719-03-5	Chrysene-d12	1746771	21.58				
1520-96-3	Perylene-d12	1967246	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-2	SDG No.:	BP080823
Lab Sample ID:	O3891-04	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
BP016534.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BP080823
Lab Sample ID:	O3891-06	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP016535.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BP080823
Lab Sample ID:	O3891-06	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
BP016535.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BP080823
Lab Sample ID:	O3891-06	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
BP016535.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	139.257		10-139		93	SPK: -150
13127-88-3	Phenol-d6	128.347		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	90.595		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	83.235		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.105		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	84.951		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201197	8.063				
1146-65-2	Naphthalene-d8	892430	10.898				
15067-26-2	Acenaphthene-d10	621209	14.716				
1517-22-2	Phenanthrene-d10	1655981	17.48				
1719-03-5	Chrysene-d12	1900573	21.58				
1520-96-3	Perylene-d12	2184855	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-3	SDG No.:	BP080823
Lab Sample ID:	O3891-06	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
BP016535.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BP080823
Lab Sample ID:	O3913-02	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
BP016536.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BP080823
Lab Sample ID:	O3913-02	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
BP016536.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BP080823
Lab Sample ID:	O3913-02	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
BP016536.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	154.739		10-139		103	SPK: -150
13127-88-3	Phenol-d6	140.973		10-134		94	SPK: -150
4165-60-0	Nitrobenzene-d5	103.23		49-133		103	SPK: -100
321-60-8	2-Fluorobiphenyl	95.536		52-132		96	SPK: -100
118-79-6	2,4,6-Tribromophenol	134.959		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	100.244		36-145		100	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	231289	8.069				
1146-65-2	Naphthalene-d8	981295	10.898				
15067-26-2	Acenaphthene-d10	623377	14.716				
1517-22-2	Phenanthrene-d10	1539591	17.48				
1719-03-5	Chrysene-d12	1614610	21.58				
1520-96-3	Perylene-d12	1803931	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	72-11933	SDG No.:	BP080823
Lab Sample ID:	O3913-02	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
BP016536.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	ETGI-368	SDG No.:	BP080823
Lab Sample ID:	O3908-02	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
BP016537.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	ETGI-368	SDG No.:	BP080823
Lab Sample ID:	O3908-02	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
BP016537.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	ETGI-368	SDG No.:	BP080823
Lab Sample ID:	O3908-02	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
BP016537.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	148.279		10-139		99	SPK: -150
13127-88-3	Phenol-d6	139.245		10-134		93	SPK: -150
4165-60-0	Nitrobenzene-d5	95.137		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	87.826		52-132		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	123.929		32-145		83	SPK: -150
1718-51-0	Terphenyl-d14	90.506		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	223179	8.063				
1146-65-2	Naphthalene-d8	956869	10.899				
15067-26-2	Acenaphthene-d10	626005	14.716				
1517-22-2	Phenanthrene-d10	1615556	17.481				
1719-03-5	Chrysene-d12	1736645	21.575				
1520-96-3	Perylene-d12	1926387	24.174				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	ETGI-368	SDG No.:	BP080823
Lab Sample ID:	O3908-02	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
BP016537.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BP080823
Lab Sample ID:	O3895-02	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
BP016538.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BP080823
Lab Sample ID:	O3895-02	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
BP016538.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BP080823
Lab Sample ID:	O3895-02	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
BP016538.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	181.366		10-139		121	SPK: -150
13127-88-3	Phenol-d6	169.5		10-134		113	SPK: -150
4165-60-0	Nitrobenzene-d5	119.944		49-133		120	SPK: -100
321-60-8	2-Fluorobiphenyl	109.632		52-132		110	SPK: -100
118-79-6	2,4,6-Tribromophenol	161.566		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	113.052		36-145		113	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	214290	8.063				
1146-65-2	Naphthalene-d8	903597	10.898				
15067-26-2	Acenaphthene-d10	581962	14.716				
1517-22-2	Phenanthrene-d10	1499126	17.48				
1719-03-5	Chrysene-d12	1681489	21.574				
1520-96-3	Perylene-d12	1894081	24.168				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	MCLEAN-TP11	SDG No.:	BP080823
Lab Sample ID:	O3895-02	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
BP016538.D	1	8/7/2023 12:00:00 AM	8/8/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
------------	-----------	-------	-----------	-----	-----	------------	-------



Hit Summary Sheet
SW-846

SDG No.: BP080823

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.: BP072723

SAS No.: BP072723

SDG No.: BP072723

Instrument ID: _____

Calibration Date(s): 7/27/2023 : _____

Calibration Time(s): 11:03 _____

LAB FILE ID:		RRF2.5 = BP016393.D			RRF005 = BP016394.D		RRF010 = BP016395.D	
		RRF020 = BP016396.D			RRF040 = BP016397.D		RRF050 = BP016398.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.577	0.594	0.598	0.524	0.490	0.539	9.3
Pyridine		1.511	1.512	1.564	1.407	1.327	1.429	7.0
2-Fluorophenol		1.268	1.295	1.337	1.221	1.146	1.226	6.5
Benzaldehyde		1.166	1.128	1.019	0.800	0.697	0.866	27.2
Aniline		2.144	2.213	2.245	2.091	1.964	2.076	6.6
Phenol-d6		1.726	1.792	1.834	1.690	1.584	1.680	7.0
Phenol		1.696	1.757	1.780	1.633	1.527	1.632	7.4
bis(2-Chloroethyl)ether		1.436	1.442	1.431	1.318	1.231	1.326	8.5
2-Chlorophenol		1.320	1.344	1.383	1.307	1.217	1.285	5.8
1,2-Dichlorobenzene		1.438	1.433	1.442	1.355	1.267	1.348	7.2
1,3-Dichlorobenzene		1.467	1.464	1.473	1.375	1.294	1.380	6.6
1,4-Dichlorobenzene		1.493	1.481	1.496	1.395	1.315	1.400	6.7
Benzyl Alcohol		1.148	1.212	1.224	1.170	1.097	1.148	5.6
2-Methylphenol		1.202	1.249	1.263	1.193	1.114	1.176	6.2
2,2-oxybis(1-Chloropropane)		1.687	1.699	1.655	1.477	1.367	1.504	11.7
Acetophenone		0.521	0.526	0.539	0.506	0.478	0.505	5.1
3+4-Methylphenols		1.604	1.672	1.697	1.631	1.533	1.597	5.1
n-Nitroso-di-n-propylamine	1.120	1.114	1.153	1.132	1.056	0.970	1.053	9.0
Nitrobenzene-d5		0.345	0.365	0.386	0.362	0.345	0.357	4.3
Hexachloroethane		0.530	0.539	0.540	0.496	0.462	0.499	7.6
Nitrobenzene		0.366	0.376	0.393	0.368	0.351	0.367	4.1
Isophorone		0.717	0.744	0.762	0.731	0.691	0.721	3.8
2-Nitrophenol		0.103	0.114	0.138	0.153	0.155	0.141	17.2
2,4-Dimethylphenol		0.318	0.328	0.343	0.327	0.313	0.323	3.3
bis(2-Chloroethoxy)methane		0.459	0.459	0.467	0.443	0.419	0.442	4.8
2,4-Dichlorophenol		0.269	0.280	0.307	0.318	0.307	0.302	6.6
1,2,4-Trichlorobenzene		0.318	0.320	0.330	0.337	0.322	0.327	2.6
Benzoic acid			0.128	0.168	0.197	0.202	0.191	19.6
Naphthalene		1.079	1.074	1.100	1.052	0.999	1.046	4.1
4-Chloroaniline		0.463	0.470	0.493	0.481	0.458	0.472	2.7
Hexachlorobutadiene		0.185	0.181	0.189	0.204	0.197	0.194	4.8
Caprolactam		0.096	0.107	0.115	0.114	0.110	0.110	6.6
4-Chloro-3-methylphenol		0.313	0.329	0.352	0.346	0.330	0.336	4.1
2-Methylnaphthalene		0.768	0.773	0.781	0.776	0.735	0.760	2.9
Hexachlorocyclopentadiene		0.248	0.264	0.291	0.333	0.330	0.305	12.2
2,4,6-Trichlorophenol		0.324	0.350	0.394	0.417	0.404	0.390	9.8

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.: BP072723

SAS No.: BP072723

SDG No.: BP072723

Instrument ID:

Calibration Date(s): 7/27/2023 :

Calibration Time(s): 11:03

LAB FILE ID:		RRF2.5 = BP016393.D			RRF005 = BP016394.D		RRF010 = BP016395.D	
		RRF020 = BP016396.D			RRF040 = BP016397.D		RRF050 = BP016398.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.465	1.474	1.485	1.418	1.317	1.395	6.5
2,4,5-Trichlorophenol		0.403	0.434	0.476	0.501	0.489	0.473	8.4
1,1-Biphenyl		1.562	1.576	1.606	1.538	1.449	1.525	4.3
2-Chloronaphthalene		1.165	1.177	1.208	1.165	1.095	1.150	3.7
2-Nitroaniline		0.275	0.302	0.350	0.338	0.324	0.324	8.3
Dimethylphthalate		1.574	1.599	1.622	1.567	1.495	1.559	3.2
Acenaphthylene		1.880	1.956	2.038	1.935	1.825	1.908	4.1
2,6-Dinitrotoluene		0.267	0.301	0.331	0.335	0.322	0.319	8.5
3-Nitroaniline		0.305	0.339	0.378	0.374	0.362	0.361	8.2
Acenaphthene		1.136	1.167	1.192	1.151	1.082	1.135	3.7
2,4-Dinitrophenol			0.079	0.098	0.122	0.130	0.121	23.4
4-Nitrophenol		0.215	0.261	0.298	0.296	0.288	0.283	12.1
Dibenzofuran		1.899	1.912	1.956	1.877	1.771	1.861	4.0
2,4-Dinitrotoluene		0.305	0.363	0.430	0.450	0.435	0.416	14.4
Diethylphthalate		1.552	1.585	1.637	1.564	1.470	1.549	3.7
4-Chlorophenyl-phenylether		0.734	0.742	0.761	0.765	0.721	0.738	3.4
Fluorene		1.497	1.526	1.561	1.494	1.381	1.462	5.5
4-Nitroaniline		0.287	0.338	0.383	0.375	0.358	0.358	10.0
4,6-Dinitro-2-methylphenol			0.056	0.072	0.087	0.091	0.084	20.4
n-Nitrosodiphenylamine		0.605	0.604	0.630	0.597	0.563	0.589	4.9
Azobenzene		1.525	1.576	1.635	1.436	1.336	1.462	8.1
2,4,6-Tribromophenol			0.232	0.256	0.318	0.307	0.294	13.7
4-Bromophenyl-phenylether		0.199	0.196	0.208	0.224	0.215	0.212	5.4
Hexachlorobenzene		0.224	0.220	0.226	0.250	0.241	0.236	5.4
Atrazine		0.172	0.179	0.189	0.181	0.173	0.175	4.7
Pentachlorophenol			0.129	0.150	0.172	0.171	0.163	12.4
Phenanthrene		1.110	1.108	1.125	1.068	1.004	1.062	5.3
Anthracene		1.071	1.091	1.138	1.088	1.027	1.068	4.4
Carbazole		1.007	1.037	1.080	1.010	0.951	1.001	5.0
Di-n-butylphthalate		1.098	1.165	1.277	1.199	1.132	1.158	6.0
Fluoranthene		1.191	1.241	1.310	1.288	1.222	1.245	3.8
Benzidine		0.407	0.409	0.292	0.381	0.316	0.347	14.6
Pyrene		1.380	1.383	1.451	1.363	1.291	1.341	5.8
Terphenyl-d14		1.054	1.046	1.071	0.997	0.888	0.947	14.2
Butylbenzylphthalate		0.462	0.504	0.583	0.544	0.527	0.527	7.1
3,3-Dichlorobenzidine		0.387	0.420	0.439	0.470	0.451	0.441	6.6

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.: BP072723

SAS No.: BP072723

SDG No.: BP072723

Instrument ID: _____

Calibration Date(s): 7/27/2023 : _____

Calibration Time(s): 11:03 _____

LAB FILE ID:		RRF2.5 = BP016393.D			RRF005 = BP016394.D		RRF010 = BP016395.D	
		RRF020 = BP016396.D			RRF040 = BP016397.D		RRF050 = BP016398.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.346	1.379	1.413	1.368	1.297	1.342	3.9
Chrysene		1.319	1.332	1.364	1.296	1.220	1.281	5.2
Bis(2-ethylhexyl)phthalate		0.712	0.789	0.880	0.811	0.779	0.791	6.5
Di-n-octyl phthalate		1.158	1.309	1.466	1.361	1.317	1.330	7.1
Benzo(b)fluoranthene		1.126	1.123	1.209	1.215	1.160	1.159	3.7
Benzo(k)fluoranthene		1.139	1.193	1.246	1.222	1.145	1.179	3.9
Benzo(a)pyrene		1.063	1.096	1.168	1.167	1.111	1.123	3.6
Indeno(1,2,3-cd)pyrene		1.247	1.341	1.398	1.350	1.305	1.348	4.6
Dibenzo(a,h)anthracene		1.037	1.129	1.170	1.135	1.086	1.124	4.6
Benzo(g,h,i)perylene		1.006	1.094	1.131	1.074	1.033	1.084	4.8
1,2,4,5-Tetrachlorobenzene		0.578	0.586	0.604	0.631	0.606	0.608	3.7
1,4-Dioxane		0.517	0.525	0.536	0.459	0.431	0.478	9.7
2,3,4,6-Tetrachlorophenol		0.327	0.351	0.377	0.417	0.406	0.389	9.8
1-Methylnaphthalene		0.724	0.725	0.734	0.726	0.691	0.713	3.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG NO.: BP080823

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 8 2023 12:00AM

Lab File ID: BP016397.D Time Analyzed: 10:26

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	451043	8.093	1.83354e+00	10.93	1.15148e+00	14.73
UPPER LIMIT	902086	8.593	3667080	11.428	2302960	15.234
LOWER LIMIT	225521.5	7.593	916770	10.428	575740	14.234
EPA SAMPLE NO.						
01 PB154690BL	193117 *	8.06	877339 *	10.90	615265	14.72
02 PB154654TB	158538 *	8.06	729285 *	10.90	523641 *	14.72
03 PB154690BS	205680 *	8.06	1.01158e	10.90	709614	14.72
04 TP-1	217560 *	8.06	953967	10.90	661718	14.72
05 TP-2	196146 *	8.06	851451 *	10.90	596502	14.72
06 TP-3	201197 *	8.06	892430 *	10.90	621209	14.72
07 72-11933	231289	8.07	981295	10.90	623377	14.72
08 ETGI-368	223179 *	8.06	956869	10.90	626005	14.72
09 MCLEAN-TP11	214290 *	8.06	903597 *	10.90	581962	14.72

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: CHEMTECHLab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG NO.: BP080823EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 8 2023 12:00AMLab File ID: BP016529.D Time Analyzed: 10:26Instrument 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	233879	8.063	1.09442e+01	10.90	751139	14.72
UPPER LIMIT	467758	8.563	2188840	11.398	1502278	15.216
LOWER LIMIT	116939.5	7.563	547210	10.398	375569.5	14.216
EPA SAMPLE NO.						
01 PB154690BL	193117	8.06	877339	10.90	615265	14.72
02 PB154654TB	158538	8.06	729285	10.90	523641	14.72
03 PB154690BS	205680	8.06	1.01158e	10.90	709614	14.72
04 TP-1	217560	8.06	953967	10.90	661718	14.72
05 TP-2	196146	8.06	851451	10.90	596502	14.72
06 TP-3	201197	8.06	892430	10.90	621209	14.72
07 72-11933	231289	8.07	981295	10.90	623377	14.72
08 ETGI-368	223179	8.06	956869	10.90	626005	14.72
09 MCLEAN-TP11	214290	8.06	903597	10.90	581962	14.72

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG NO.: BP080823

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 8 2023 12:00AM

Lab File ID: BP016397.D Time Analyzed: 10:26

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	2.571e+006	17.498	2.51489e+	21.592	2.82536e+01	24.192
UPPER LIMIT	5142000	17.998	5029780	22.092	5650720	24.692
LOWER LIMIT	1285500	16.998	1257445	21.092	1412680	23.692
EPA SAMPLE NO.						
01 PB154690BL	1.60379	17.48	1.82126e+	21.58	2.08819e+	24.17
02 PB154654TB	1.41882	17.48	1.74572e+	21.58	2.09354e+	24.17
03 PB154690BS	1.71984	17.48	1.84126e+	21.58	2.13883e+	24.17
04 TP-1	1.75784	17.48	1.99903e+	21.58	2.25914e+	24.17
05 TP-2	1.58327	17.48	1.74677e+	21.58	1.96725e+	24.17
06 TP-3	1.65598	17.48	1.90057e+	21.58	2.18486e+	24.17
07 72-11933	1.53959	17.48	1.61461e+	21.58	1.80393e+	24.17
08 ETGI-368	1.61556	17.48	1.73665e+	21.58	1.92639e+	24.17
09 MCLEAN-TP11	1.49913	17.48	1.68149e+	21.57	1.89408e+	24.17

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP080823 SAS No.: BP080823 SDG NO.: BP080823

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 8 2023 12:00AM

Lab File ID: BP016529.D Time Analyzed: 10:26

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	1.83791e+0	17.486	2.01003e+	21.58	2.54749e+0	24.174
UPPER LIMIT	3675820	17.986	4020060	22.08	5094980	24.674
LOWER LIMIT	918955	16.986	1005015	21.08	1273745	23.674
EPA SAMPLE NO.						
01 PB154690BL	1.60379	17.48	1.82126e+	21.58	2.08819e+	24.17
02 PB154654TB	1.41882	17.48	1.74572e+	21.58	2.09354e+	24.17
03 PB154690BS	1.71984	17.48	1.84126e+	21.58	2.13883e+	24.17
04 TP-1	1.75784	17.48	1.99903e+	21.58	2.25914e+	24.17
05 TP-2	1.58327	17.48	1.74677e+	21.58	1.96725e+	24.17
06 TP-3	1.65598	17.48	1.90057e+	21.58	2.18486e+	24.17
07 72-11933	1.53959	17.48	1.61461e+	21.58	1.80393e+	24.17
08 ETGI-368	1.61556	17.48	1.73665e+	21.58	1.92639e+	24.17
09 MCLEAN-TP11	1.49913	17.48	1.68149e+	21.57	1.89408e+	24.17

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB154690BS	n-Nitrosodimethylamine	50	45.2	ug/L	90					55	108	
	Pyridine	50	35.7	ug/L	71					29	97	
	Benzaldehyde	50	70.2	ug/L	140		*			15	121	
	Aniline	50	51.3	ug/L	103					10	130	
	Phenol	50	63.2	ug/L	126		*			66	118	
	bis(2-Chloroethyl)ether	50	51.9	ug/L	104		*			62	103	
	2-Chlorophenol	50	58.1	ug/L	116					70	117	
	1,2-Dichlorobenzene	50	51.7	ug/L	103		*			72	102	
	1,3-Dichlorobenzene	50	49.3	ug/L	99					71	103	
	1,4-Dichlorobenzene	50	50	ug/L	100					76	103	
	Benzyl Alcohol	50	59.4	ug/L	119		*			36	93	
	2-Methylphenol	50	57.9	ug/L	116		*			69	109	
	2,2-oxybis(1-Chloropropane)	50	57.1	ug/L	114		*			52	103	
	Acetophenone	50	45.6	ug/L	91					60	104	
	3+4-Methylphenols	50	59.2	ug/L	118		*			67	106	
	N-Nitroso-di-n-propylamine	50	54.8	ug/L	110		*			57	107	
	Hexachloroethane	50	49.5	ug/L	99					76	118	
	Nitrobenzene	50	46.8	ug/L	94					58	106	
	Isophorone	50	45.7	ug/L	91					61	102	
	2-Nitrophenol	50	46	ug/L	92					70	115	
	2,4-Dimethylphenol	50	51.5	ug/L	103					67	130	
	bis(2-Chloroethoxy)methane	50	48	ug/L	96					58	109	
	2,4-Dichlorophenol	50	51.2	ug/L	102					66	115	
	1,2,4-Trichlorobenzene	50	43.7	ug/L	87					41	115	
	Benzoic acid	50	49.8	ug/L	100					10	125	
	Naphthalene	50	45.5	ug/L	91					64	107	
	4-Chloroaniline	50	41.9	ug/L	84					10	85	
	Hexachlorobutadiene	50	39.3	ug/L	79					69	101	
	Caprolactam	50	57.2	ug/L	114					58	128	
	4-Chloro-3-methylphenol	50	55.3	ug/L	111					65	114	
	2-Methylnaphthalene	50	45.1	ug/L	90					64	107	
	Hexachlorocyclopentadiene	100	91.1	ug/L	91					36	160	
	2,4,6-Trichlorophenol	50	46.5	ug/L	93					61	110	
	2,4,5-Trichlorophenol	50	44	ug/L	88					70	106	
	1,1-Biphenyl	50	42.9	ug/L	86					72	98	
	2-Chloronaphthalene	50	44.2	ug/L	88					59	106	
	2-Nitroaniline	50	52.1	ug/L	104					58	107	
	Dimethylphthalate	50	45.2	ug/L	90					64	103	
	Acenaphthylene	50	44.8	ug/L	90					65	108	
	2,6-Dinitrotoluene	50	48.3	ug/L	97					64	110	
	3-Nitroaniline	50	46.6	ug/L	93					28	100	
	Acenaphthene	50	45.1	ug/L	90					59	113	
	Total PAH	800	737.6	ug/L	92					59	113	
	2,4-Dinitrophenol	100	110	ug/L	110					64	132	
	4-Nitrophenol	100	130	ug/L	130		*			68	116	
	Dibenzofuran	50	44.7	ug/L	89					65	106	



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BP080823

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154690BS	2,4-Dinitrotoluene	50	52.7	ug/L	105				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	101	ug/L	101				60	115	
	Diethylphthalate	50	46.2	ug/L	92				63	105	
	4-Chlorophenyl-phenylether	50	43.5	ug/L	87				61	104	
	Fluorene	50	46.4	ug/L	93				64	107	
	4-Nitroaniline	50	52.9	ug/L	106				69	112	
	4,6-Dinitro-2-methylphenol	50	50.1	ug/L	100				62	132	
	N-Nitrosodiphenylamine	50	43.4	ug/L	87				61	109	
	Azobenzene	50	48.2	ug/L	96				59	106	
	4-Bromophenyl-phenylether	50	40.3	ug/L	81				73	103	
	Hexachlorobenzene	50	41.9	ug/L	84				73	106	
	Atrazine	50	54	ug/L	108				76	120	
	Pentachlorophenol	100	86.5	ug/L	87				47	114	
	Phenanthrene	50	45.4	ug/L	91				62	109	
	Anthracene	50	45.7	ug/L	91				65	110	
	Carbazole	50	48.7	ug/L	97				62	106	
	Di-n-butylphthalate	50	47.7	ug/L	95				64	106	
	Fluoranthene	50	47.9	ug/L	96				64	110	
	Benzidine	100	130	ug/L	130		*		10	94	
	Pyrene	50	44.1	ug/L	88				71	103	
	Butylbenzylphthalate	50	48.3	ug/L	97				61	105	
	3,3-Dichlorobenzidine	50	48.5	ug/L	97				43	108	
	Benzo(a)anthracene	50	45.4	ug/L	91				62	107	
	Chrysene	50	44.2	ug/L	88				61	108	
	bis(2-Ethylhexyl)phthalate	50	47.1	ug/L	94				59	110	
	Di-n-octyl phthalate	50	49.8	ug/L	100				67	126	
	Benzo(b)fluoranthene	50	48.7	ug/L	97				77	113	
	Benzo(k)fluoranthene	50	47.4	ug/L	95				64	113	
	Benzo(a)pyrene	50	44.6	ug/L	89				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.3	ug/L	95				72	105	
	Dibenz(a,h)anthracene	50	47.5	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	47.6	ug/L	95				75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.2	ug/L	78				72	101	
	1,4-Dioxane	50	35.2	ug/L	70				38	125	
	2,3,4,6-Tetrachlorophenol	50	48	ug/L	96				63	116	
	1-Methylnaphthalene	50	45.9	ug/L	92				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154690BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP080823SAS No.: BP080823 SDG NO.: BP080823Lab File ID: BP016530.DLab Sample ID: PB154690BLInstrument ID: BNA_PDate Extracted: 08/07/2023Matrix: (soil/water) waterDate Analyzed: 08/08/2023Level: (low/med) LOWTime Analyzed: 10:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154654TB	PB154654TB	BP016531.D	08/08/2023
PB154690BS	PB154690BS	BP016532.D	08/08/2023
TP-1	O3891-02	BP016533.D	08/08/2023
TP-2	O3891-04	BP016534.D	08/08/2023
TP-3	O3891-06	BP016535.D	08/08/2023
72-11933	O3913-02	BP016536.D	08/08/2023
ETGI-368	O3908-02	BP016537.D	08/08/2023
MCLEAN-TP11	O3895-02	BP016538.D	08/08/2023

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BP080823**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3891-02	TP-1	BP016533.D	2-Fluorophenol	150	144.18	96		10	139
			Phenol-d6	150	133.78	89		10	134
			Nitrobenzene-d5	100	92.72	93		49	133
			2-Fluorobiphenyl	100	86.27	86		52	132
			2,4,6-Tribromophenol	150	134.47	90		32	145
			Terphenyl-d14	100	91.79	92		36	145
O3891-04	TP-2	BP016534.D	2-Fluorophenol	150	164.44	110		10	139
			Phenol-d6	150	155.28	104		10	134
			Nitrobenzene-d5	100	107.39	107		49	133
			2-Fluorobiphenyl	100	97.21	97		52	132
			2,4,6-Tribromophenol	150	147.50	98		32	145
			Terphenyl-d14	100	101.08	101		36	145
O3891-06	TP-3	BP016535.D	2-Fluorophenol	150	139.26	93		10	139
			Phenol-d6	150	128.35	86		10	134
			Nitrobenzene-d5	100	90.60	91		49	133
			2-Fluorobiphenyl	100	83.24	83		52	132
			2,4,6-Tribromophenol	150	126.11	84		32	145
			Terphenyl-d14	100	84.95	85		36	145
O3895-02	MCLEAN-TP11	BP016538.D	2-Fluorophenol	150	181.37	121		10	139
			Phenol-d6	150	169.50	113		10	134
			Nitrobenzene-d5	100	119.94	120		49	133
			2-Fluorobiphenyl	100	109.63	110		52	132
			2,4,6-Tribromophenol	150	161.57	108		32	145
			Terphenyl-d14	100	113.05	113		36	145
O3908-02	ETGI-368	BP016537.D	2-Fluorophenol	150	148.28	99		10	139
			Phenol-d6	150	139.25	93		10	134
			Nitrobenzene-d5	100	95.14	95		49	133
			2-Fluorobiphenyl	100	87.83	88		52	132
			2,4,6-Tribromophenol	150	123.93	83		32	145
			Terphenyl-d14	100	90.51	91		36	145
O3913-02	72-11933	BP016536.D	2-Fluorophenol	150	154.74	103		10	139
			Phenol-d6	150	140.97	94		10	134
			Nitrobenzene-d5	100	103.23	103		49	133
			2-Fluorobiphenyl	100	95.54	96		52	132
			2,4,6-Tribromophenol	150	134.96	90		32	145
			Terphenyl-d14	100	100.24	100		36	145
PB154654TB	PB154654TB	BP016531.D	2-Fluorophenol	150	155.10	103		10	139
			Phenol-d6	150	157.96	105		10	134
			Nitrobenzene-d5	100	86.20	86		49	133
			2-Fluorobiphenyl	100	81.04	81		52	132
			2,4,6-Tribromophenol	150	123.81	83		32	145
			Terphenyl-d14	100	82.83	83		36	145
PB154690BL	PB154690BL	BP016530.D	2-Fluorophenol	150	170.11	113		10	139
			Phenol-d6	150	170.89	114		10	134
			Nitrobenzene-d5	100	96.05	96		49	133
			2-Fluorobiphenyl	100	89.68	90		52	132
			2,4,6-Tribromophenol	150	136.72	91		32	145
			Terphenyl-d14	100	93.06	93		36	145
PB154690BS	PB154690BS	BP016532.D	2-Fluorophenol	150	165.58	110		10	139
			Phenol-d6	150	167.29	112		10	134
			Nitrobenzene-d5	100	90.61	91		49	133



Surrogate Summary
SW-846

SDG No.: BP080823

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154690BS	PB154690BS	BP016532.D	2-Fluorobiphenyl	100	80.41	80		52	132
			2,4,6-Tribromophenol	150	122.41	82		32	145
			Terphenyl-d14	100	87.36	87		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BP080823Lab Code: CHEMSAS No.: BP080823 SDG NO.: BP080823Lab File ID: BP016528.DDFTPP Injection Date: 08/08/2023Instrument ID: BNA_PDFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.3
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	36.4
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	45.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.7
442	Greater than 50% of mass 198	96.9
443	15.0 - 24.0% of mass 442	18.5 (19.1) 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	BP016529.D	08/08/2023	09:52
PB154690BL	PB154690BL	BP016530.D	08/08/2023	10:26
PB154654TB	PB154654TB	BP016531.D	08/08/2023	11:00
PB154690BS	PB154690BS	BP016532.D	08/08/2023	11:34
TP-1	O3891-02	BP016533.D	08/08/2023	12:08
TP-2	O3891-04	BP016534.D	08/08/2023	12:43
TP-3	O3891-06	BP016535.D	08/08/2023	13:17
72-11933	O3913-02	BP016536.D	08/08/2023	13:51
ETGI-368	O3908-02	BP016537.D	08/08/2023	14:25
MCLEAN-TP11	O3895-02	BP016538.D	08/08/2023	14:59