

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG032024 SAS No.: BG032024 SDG No.: BG032024

Instrument ID: BNA_G Calibration Date/Time: 3/20/2024 11:05

Lab File ID: BG060686.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	0.772	0.742		-3.886	
Pyridine	1.574	1.524		-3.177	
2-Fluorophenol	1.272	1.217		-4.324	
Benzaldehyde	1.033	0.945		-8.519	
Aniline	2.255	2.141		-5.055	
Phenol-d6	1.846	1.749		-5.255	
Phenol	1.852	1.760		-4.968	20.0
bis(2-Chloroethyl)ether	1.476	1.359		-7.927	
2-Chlorophenol	1.391	1.314		-5.536	
1,2-Dichlorobenzene	1.510	1.412		-6.49	
1,3-Dichlorobenzene	1.500	1.408		-6.133	
1,4-Dichlorobenzene	1.520	1.433		-5.724	20.0
Benzyl Alcohol	1.459	1.370		-6.1	
2-Methylphenol	1.422	1.365		-4.008	
2,2-oxybis(1-Chloropropane)	2.866	2.518		-12.142	
Acetophenone	0.536	0.506		-5.597	
3+4-Methylphenols	1.918	1.926		0.417	
n-Nitroso-di-n-propylamine	1.279	1.281	0.050	0.156	
Nitrobenzene-d5	0.384	0.376		-2.083	
Hexachloroethane	0.519	0.532		2.505	
Nitrobenzene	0.384	0.370		-3.646	
Isophorone	0.769	0.718		-6.632	
2-Nitrophenol	0.142	0.140		-1.408	20.0
2,4-Dimethylphenol	0.340	0.298		-12.353	
bis(2-Chloroethoxy)methane	0.461	0.414		-10.195	
2,4-Dichlorophenol	0.306	0.287		-6.209	20.0
1,2,4-Trichlorobenzene	0.324	0.287		-11.42	
Benzoic acid	0.199	0.201		1.005	
Naphthalene	1.117	1.053		-5.73	
4-Chloroaniline	0.471	0.466		-1.062	
Hexachlorobutadiene	0.221	0.203		-8.145	20.0
Caprolactam	0.103	0.104		0.971	
4-Chloro-3-methylphenol	0.374	0.348		-6.952	20.0
2-Methylnaphthalene	0.772	0.692		-10.363	
Hexachlorocyclopentadiene	0.302	0.282	0.050	-6.623	
2,4,6-Trichlorophenol	0.394	0.385		-2.284	20.0
2-Fluorobiphenyl	1.479	1.375		-7.032	
2,4,5-Trichlorophenol	0.467	0.464		-0.642	
1,1-Biphenyl	1.520	1.407		-7.434	
2-Chloronaphthalene	1.147	1.053		-8.195	
2-Nitroaniline	0.379	0.373		-1.583	



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Lab File ID: BG060686.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	1.500	1.451		-3.267	
Acenaphthylene	1.869	1.805		-3.424	
2,6-Dinitrotoluene	0.276	0.282		2.174	
3-Nitroaniline	0.318	0.330		3.774	
Acenaphthene	1.117	1.056		-5.461	20.0
2,4-Dinitrophenol	0.118	0.125	0.050	5.932	
4-Nitrophenol	0.237	0.261	0.050	10.127	
Dibenzofuran	1.808	1.731		-4.259	
2,4-Dinitrotoluene	0.348	0.372		6.897	
Diethylphthalate	1.543	1.515		-1.815	
4-Chlorophenyl-phenylether	0.733	0.696		-5.048	
Fluorene	1.447	1.412		-2.419	
4-Nitroaniline	0.326	0.349		7.055	
4,6-Dinitro-2-methylphenol	0.083	0.090		8.434	
n-Nitrosodiphenylamine	0.626	0.594		-5.112	20.0
Azobenzene	1.597	1.500		-6.074	
2,4,6-Tribromophenol	0.232	0.257		10.776	
4-Bromophenyl-phenylether	0.216	0.218		0.926	
Hexachlorobenzene	0.248	0.235		-5.242	
Atrazine	0.209	0.212		1.435	
Pentachlorophenol	0.161	0.163		1.242	20.0
Phenanthrene	1.077	1.027		-4.643	
Anthracene	1.089	1.060		-2.663	
Carbazole	0.947	0.938		-0.95	
Di-n-butylphthalate	1.154	1.189		3.033	
Fluoranthene	1.192	1.196		0.336	20.0
Benzidine	0.489	0.584		19.427	
Pyrene	1.396	1.372		-1.719	
Terphenyl-d14	1.106	1.078		-2.532	
Butylbenzylphthalate	0.528	0.580		9.848	
3,3-Dichlorobenzidine	0.464	0.495		6.681	
Benzo (a) anthracene	1.377	1.352		-1.816	
Chrysene	1.337	1.295		-3.141	
Bis (2-ethylhexyl) phthalate	0.779	0.848		8.858	
Di-n-octyl phthalate	1.283	1.456		13.484	20.0
Benzo (b) fluoranthene	1.100	1.068		-2.909	
Benzo (k) fluoranthene	1.156	1.108		-4.152	
Benzo (a) pyrene	1.079	1.066		-1.205	20.0
Indeno (1,2,3-cd) pyrene	1.364	1.373		0.66	
Dibenzo (a,h) anthracene	1.158	1.131		-2.332	
Benzo (g,h,i) perylene	1.121	1.117		-0.357	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.614	0.573		-6.678	
1,4-Dioxane	0.533	0.514		-3.565	20.0
2,3,4,6-Tetrachlorophenol	0.389	0.407		4.627	
1-Methylnaphthalene	0.724	0.667		-7.873	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159648TB	SDG No.:	BG032024
Lab Sample ID:	PB159648TB	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
BG060687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

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
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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159648TB	SDG No.:	BG032024
Lab Sample ID:	PB159648TB	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
BG060687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159648TB	SDG No.:	BG032024
Lab Sample ID:	PB159648TB	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
BG060687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	113.491		10-139		76	SPK: -150
13127-88-3	Phenol-d6	127.904		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	104.262		49-133		104	SPK: -100
321-60-8	2-Fluorobiphenyl	82.044		52-132		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	154.086		32-145		103	SPK: -150
1718-51-0	Terphenyl-d14	81.586		36-145		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78294	8.288				
1146-65-2	Naphthalene-d8	320538	11.138				
15067-26-2	Acenaphthene-d10	241442	14.921				
1517-22-2	Phenanthrene-d10	561110	17.671				
1719-03-5	Chrysene-d12	551839	21.99				
1520-96-3	Perylene-d12	649077	25.527				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159648TB	SDG No.:	BG032024
Lab Sample ID:	PB159648TB	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
BG060687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUE	SDG No.:	BG032024
Lab Sample ID:	P1616-02	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
BG060688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

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
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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUE	SDG No.:	BG032024
Lab Sample ID:	P1616-02	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
BG060688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUE	SDG No.:	BG032024
Lab Sample ID:	P1616-02	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
BG060688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	118.525		10-139		79	SPK: -150
13127-88-3	Phenol-d6	108.518		10-134		72	SPK: -150
4165-60-0	Nitrobenzene-d5	107.483		49-133		107	SPK: -100
321-60-8	2-Fluorobiphenyl	81.453		52-132		81	SPK: -100
118-79-6	2,4,6-Tribromophenol	162.39		32-145		108	SPK: -150
1718-51-0	Terphenyl-d14	82.672		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83680	8.294				
1146-65-2	Naphthalene-d8	325169	11.138				
15067-26-2	Acenaphthene-d10	237737	14.921				
1517-22-2	Phenanthrene-d10	557169	17.671				
1719-03-5	Chrysene-d12	542161	21.99				
1520-96-3	Perylene-d12	648715	25.527				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUE	SDG No.:	BG032024
Lab Sample ID:	P1616-02	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
BG060688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMS	SDG No.:	BG032024
Lab Sample ID:	P1616-02MS	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
BG060689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		10.3	80	100	ug/L
110-86-1	Pyridine	330		15.5	40	50	ug/L
100-52-7	Benzaldehyde	96.1	J	40	80	100	ug/L
62-53-3	Aniline	120		16	40	50	ug/L
108-95-2	Phenol	390		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	370		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	440		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	420		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	440		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	420		16	80	100	ug/L
95-48-7	2-Methylphenol	380		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	510		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	430		14.8	25	25	ug/L
67-72-1	Hexachloroethane	490		10.1	40	50	ug/L
98-95-3	Nitrobenzene	510		12.7	40	50	ug/L
78-59-1	Isophorone	460		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	370		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	480		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	440		11	40	50	ug/L
65-85-0	Benzoic acid	480		54.7	80	100	ug/L
91-20-3	Naphthalene	440		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	24.1	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	430		12.7	40	50	ug/L
105-60-2	Caprolactam	510		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	520		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	450		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMS	SDG No.:	BG032024
Lab Sample ID:	P1616-02MS	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
BG060689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	830	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	480		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	420		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	440		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	490		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	480		9.3	40	50	ug/L
208-96-8	Acenaphthylene	470		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	520		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	66.5		13.7	40	50	ug/L
83-32-9	Acenaphthene	430		8.1	40	50	ug/L
Total PAH	Total PAH	7380		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	450		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	120		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	600		15.2	40	50	ug/L
84-66-2	Diethylphthalate	500		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	470		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	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	430		8.9	40	50	ug/L
103-33-3	Azobenzene	470		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	450		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	460		11.4	40	50	ug/L
1912-24-9	Atrazine	410		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	970	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	450		8.9	40	50	ug/L
120-12-7	Anthracene	460		10.7	40	50	ug/L
86-74-8	Carbazole	480		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	490		14.7	40	50	ug/L
206-44-0	Fluoranthene	470		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMS	SDG No.:	BG032024
Lab Sample ID:	P1616-02MS	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
BG060689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120		40.7	80	100	ug/L
129-00-0	Pyrene	440		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	500		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	130		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	460		9.4	40	50	ug/L
218-01-9	Chrysene	450		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	500		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	530		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	490		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	460		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	470		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	490		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	470		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	460		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	420		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	510		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	450		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	107.62		10-139		72	SPK: -150
13127-88-3	Phenol-d6	112.595		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	109.188		49-133		109	SPK: -100
321-60-8	2-Fluorobiphenyl	84.004		52-132		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	176.849		32-145		118	SPK: -150
1718-51-0	Terphenyl-d14	84.687		36-145		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78084	8.293				
1146-65-2	Naphthalene-d8	314184	11.137				
15067-26-2	Acenaphthene-d10	238693	14.927				
1517-22-2	Phenanthrene-d10	575038	17.676				
1719-03-5	Chrysene-d12	552824	21.995				
1520-96-3	Perylene-d12	647415	25.526				



Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMS	SDG No.:	BG032024
Lab Sample ID:	P1616-02MS	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
BG060689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMSD	SDG No.:	BG032024
Lab Sample ID:	P1616-02MSD	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
BG060690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	460		10.3	80	100	ug/L
110-86-1	Pyridine	340		15.5	40	50	ug/L
100-52-7	Benzaldehyde	100		40	80	100	ug/L
62-53-3	Aniline	150		16	40	50	ug/L
108-95-2	Phenol	430		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	460		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	460		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	480		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	470		16	80	100	ug/L
95-48-7	2-Methylphenol	430		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	520		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	460		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	480		10.1	40	50	ug/L
98-95-3	Nitrobenzene	530		12.7	40	50	ug/L
78-59-1	Isophorone	520		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	500		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	390		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	450		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	470		11	40	50	ug/L
65-85-0	Benzoic acid	490		54.7	80	100	ug/L
91-20-3	Naphthalene	460		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	28.5	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	470		12.7	40	50	ug/L
105-60-2	Caprolactam	530		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	550		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	470		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMSD	SDG No.:	BG032024
Lab Sample ID:	P1616-02MSD	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
BG060690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	830	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	500		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	470		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	440		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	460		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	520		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	510		9.3	40	50	ug/L
208-96-8	Acenaphthylene	490		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	560		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	80.1		13.7	40	50	ug/L
83-32-9	Acenaphthene	460		8.1	40	50	ug/L
Total PAH	Total PAH	7710		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1200	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1200	E	20	80	100	ug/L
132-64-9	Dibenzofuran	480		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	650		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210		27.6	40	100	ug/L
84-66-2	Diethylphthalate	520		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	480		9.8	40	50	ug/L
86-73-7	Fluorene	500		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	500		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	550		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	430		8.9	40	50	ug/L
103-33-3	Azobenzene	500		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	460		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	470		11.4	40	50	ug/L
1912-24-9	Atrazine	430		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	460		8.9	40	50	ug/L
120-12-7	Anthracene	470		10.7	40	50	ug/L
86-74-8	Carbazole	510		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		14.7	40	50	ug/L
206-44-0	Fluoranthene	500		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMSD	SDG No.:	BG032024
Lab Sample ID:	P1616-02MSD	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
BG060690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	95.1	J	40.7	80	100	ug/L
129-00-0	Pyrene	460		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	530		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	130		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	480		9.4	40	50	ug/L
218-01-9	Chrysene	470		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	520		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	510		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	490		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	510		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	500		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	470		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	420		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	420		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	540		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	470		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.616		10-139		77	SPK: -150
13127-88-3	Phenol-d6	126.237		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	111.3		49-133		111	SPK: -100
321-60-8	2-Fluorobiphenyl	86.714		52-132		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	188.713		32-145		126	SPK: -150
1718-51-0	Terphenyl-d14	88.187		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71159	8.294				
1146-65-2	Naphthalene-d8	297348	11.138				
15067-26-2	Acenaphthene-d10	224973	14.928				
1517-22-2	Phenanthrene-d10	563224	17.677				
1719-03-5	Chrysene-d12	555986	21.996				
1520-96-3	Perylene-d12	656966	25.533				



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	196-BAY-AVENUEMSD	SDG No.:	BG032024
Lab Sample ID:	P1616-02MSD	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
BG060690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159685

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BG032024
Lab Sample ID:	P1803-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.09 Units: g	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
BG060691.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.9	U	58.9	180	220	ug/Kg
110-86-1	Pyridine	54.3	U	54.3	88.3	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.8	U	65.8	88.3	120	ug/Kg
108-95-2	Phenol	56.3	U	56.3	88.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.8	U	56.8	88.3	120	ug/Kg
95-57-8	2-Chlorophenol	56.7	U	56.7	88.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	88.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.4	U	58.4	88.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.7	U	58.7	88.3	120	ug/Kg
100-51-6	Benzyl Alcohol	56.4	U	56.4	180	220	ug/Kg
95-48-7	2-Methylphenol	54.7	U	54.7	88.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.7	U	61.7	88.3	120	ug/Kg
98-86-2	Acetophenone	59	U	59	88.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.2	U	54.2	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.4	U	27.4	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	56.4	U	56.4	88.3	120	ug/Kg
98-95-3	Nitrobenzene	61.7	U	61.7	88.3	120	ug/Kg
78-59-1	Isophorone	57.4	U	57.4	88.3	120	ug/Kg
88-75-5	2-Nitrophenol	64.2	U	64.2	88.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.3	U	63.3	88.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.3	U	58.3	88.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.3	U	51.3	88.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58	U	58	88.3	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56.1	U	56.1	88.3	120	ug/Kg
106-47-8	4-Chloroaniline	56.1	U	56.1	88.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.6	U	56.6	88.3	120	ug/Kg
105-60-2	Caprolactam	58.9	U	58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	88.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	56	U	56	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BG032024
Lab Sample ID:	P1803-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.09 Units: g	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
BG060691.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.5	U	48.5	88.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.2	U	50.2	88.3	120	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	88.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.6	U	56.6	88.3	120	ug/Kg
88-74-4	2-Nitroaniline	64.5	U	64.5	88.3	120	ug/Kg
131-11-3	Dimethylphthalate	55.5	U	55.5	88.3	120	ug/Kg
208-96-8	Acenaphthylene	58.7	U	58.7	88.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.5	U	56.5	88.3	120	ug/Kg
99-09-2	3-Nitroaniline	60.6	U	60.6	88.3	120	ug/Kg
83-32-9	Acenaphthene	55.1	U	55.1	88.3	120	ug/Kg
Total PAH	Total PAH	2580	U	899.9	88.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.8	U	78.8	180	220	ug/Kg
132-64-9	Dibenzofuran	57.3	U	57.3	88.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	15	U	115	88.3	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	88.3	120	ug/Kg
84-66-2	Diethylphthalate	54.4	U	54.4	88.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.1	U	58.1	88.3	120	ug/Kg
86-73-7	Fluorene	58.1	U	58.1	88.3	120	ug/Kg
100-01-6	4-Nitroaniline	72.7	U	72.7	88.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.4	U	79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.4	U	55.4	88.3	120	ug/Kg
103-33-3	Azobenzene	54.1	U	54.1	88.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.6	U	53.6	88.3	120	ug/Kg
118-74-1	Hexachlorobenzene	57.7	U	57.7	88.3	120	ug/Kg
1912-24-9	Atrazine	62.1	U	62.1	88.3	120	ug/Kg
87-86-5	Pentachlorophenol	52.5	U	52.5	180	220	ug/Kg
85-01-8	Phenanthrene	390		57	88.3	120	ug/Kg
120-12-7	Anthracene	57.3	U	57.3	88.3	120	ug/Kg
86-74-8	Carbazole	54.8	J	54.5	88.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	88.3	120	ug/Kg
206-44-0	Fluoranthene	560		55.5	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BG032024
Lab Sample ID:	P1803-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.09 Units: g	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
BG060691.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	400		56.4	88.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	88.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	67	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	200		54.8	88.3	120	ug/Kg
218-01-9	Chrysene	220		54	88.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.8	U	61.8	88.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.7	U	74.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	270		55.1	88.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	J	56.1	88.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	190		63.2	88.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	J	53	88.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.1	U	55.1	88.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130		54.4	88.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.9	U	58.9	88.3	120	ug/Kg
123-91-1	1,4-Dioxane	74.7	U	74.7	88.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	88.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.5	U	56.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.763		18-112		69	SPK: -150
13127-88-3	Phenol-d6	110.39		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	84.578		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	59.299		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	139.447		10-110		93	SPK: -150
1718-51-0	Terphenyl-d14	58.89		14-112		59	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	79254	8.293				
1146-65-2	Naphthalene-d8	318470	11.137				
15067-26-2	Acenaphthene-d10	225538	14.921				
1517-22-2	Phenanthrene-d10	546224	17.671				
1719-03-5	Chrysene-d12	537638	21.989				
1520-96-3	Perylene-d12	643525	25.532				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PIT	SDG No.:	BG032024
Lab Sample ID:	P1803-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.09	Units:	g
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
BG060691.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000481-39-0	Juglone	110	J			15.185	
000057-10-3	n-Hexadecanoic acid	210	J			18.493	
000832-69-9	Phenanthrene, 1-methyl-	53.6	J			18.54	
000613-12-7	Anthracene, 2-methyl-	71.1	J			18.587	
000203-64-5	4H-Cyclopenta[def]phenanthrene	70.2	J			18.74	
000084-65-1	9,10-Anthracenedione	62	J			19.081	
006971-40-0	17-Pentatriacontene	74.5	J			21.537	
000192-97-2	Benzo[e]pyrene	170	J			25.185	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BG032024
Lab Sample ID:	P1803-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.06 Units: g	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
BG060692.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		59	180	220	ug/Kg
110-86-1	Pyridine	780		54.3	88.3	120	ug/Kg
100-52-7	Benzaldehyde	320		120	180	220	ug/Kg
62-53-3	Aniline	530		65.8	88.3	120	ug/Kg
108-95-2	Phenol	1100		56.3	88.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	900		56.9	88.3	120	ug/Kg
95-57-8	2-Chlorophenol	1100		56.7	88.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.5	88.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.4	88.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		58.8	88.3	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		56.4	180	220	ug/Kg
95-48-7	2-Methylphenol	980		54.8	88.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		61.8	88.3	120	ug/Kg
98-86-2	Acetophenone	1000		59	88.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	1100		54.2	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		27.4	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	1100		56.4	88.3	120	ug/Kg
98-95-3	Nitrobenzene	1100		61.7	88.3	120	ug/Kg
78-59-1	Isophorone	1100		57.5	88.3	120	ug/Kg
88-75-5	2-Nitrophenol	1100		64.2	88.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	880		63.3	88.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	920		58.3	88.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.3	88.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		58	88.3	120	ug/Kg
65-85-0	Benzoic acid	1100		160	180	220	ug/Kg
91-20-3	Naphthalene	980		56.1	88.3	120	ug/Kg
106-47-8	4-Chloroaniline	350		56.1	88.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	950		56.6	88.3	120	ug/Kg
105-60-2	Caprolactam	1200		59	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		52.7	88.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	970		56.1	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BG032024
Lab Sample ID:	P1803-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.06 Units: g	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
BG060692.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1800		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.5	88.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	990		50.3	88.3	120	ug/Kg
92-52-4	1,1-Biphenyl	950		59.4	88.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	990		56.6	88.3	120	ug/Kg
88-74-4	2-Nitroaniline	1100		64.5	88.3	120	ug/Kg
131-11-3	Dimethylphthalate	1000		55.5	88.3	120	ug/Kg
208-96-8	Acenaphthylene	1100		58.8	88.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.5	88.3	120	ug/Kg
99-09-2	3-Nitroaniline	620		60.6	88.3	120	ug/Kg
83-32-9	Acenaphthene	990		55.1	88.3	120	ug/Kg
Total PAH	Total PAH	18670		900.3	88.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2500	E	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	78.8	180	220	ug/Kg
132-64-9	Dibenzofuran	1000		57.3	88.3	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		58.6	88.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		115.1	88.3	240	ug/Kg
84-66-2	Diethylphthalate	1000		54.4	88.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		58.2	88.3	120	ug/Kg
86-73-7	Fluorene	1000		58.1	88.3	120	ug/Kg
100-01-6	4-Nitroaniline	1100		72.7	88.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		79.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		55.4	88.3	120	ug/Kg
103-33-3	Azobenzene	1000		54.1	88.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	990		53.6	88.3	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		57.8	88.3	120	ug/Kg
1912-24-9	Atrazine	1000		62.1	88.3	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	52.5	180	220	ug/Kg
85-01-8	Phenanthrene	1300		57.1	88.3	120	ug/Kg
120-12-7	Anthracene	1100		57.3	88.3	120	ug/Kg
86-74-8	Carbazole	1100		54.6	88.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		57.3	88.3	120	ug/Kg
206-44-0	Fluoranthene	1400		55.5	88.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BG032024
Lab Sample ID:	P1803-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.06 Units: g	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
BG060692.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		110	180	220	ug/Kg
129-00-0	Pyrene	1300		56.4	88.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		65.8	88.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	640		67	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		54.8	88.3	120	ug/Kg
218-01-9	Chrysene	1200		54	88.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		61.8	88.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		74.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		55.1	88.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		56.1	88.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		63.2	88.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		53.1	88.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		55.2	88.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		54.4	88.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940		59	88.3	120	ug/Kg
123-91-1	1,4-Dioxane	970		74.7	88.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.8	88.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	970		56.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.965		18-112		65	SPK: -150
13127-88-3	Phenol-d6	113.991		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	79.848		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	56.94		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	132.976		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	56.43		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84457	8.291				
1146-65-2	Naphthalene-d8	381111	11.135				
15067-26-2	Acenaphthene-d10	271437	14.925				
1517-22-2	Phenanthrene-d10	628549	17.675				
1719-03-5	Chrysene-d12	587149	21.993				
1520-96-3	Perylene-d12	708505	25.536				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMS	SDG No.:	BG032024
Lab Sample ID:	P1803-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG060692.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BG032024
Lab Sample ID:	P1803-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.04 Units: g	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
BG060693.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		59	180	220	ug/Kg
110-86-1	Pyridine	760		54.3	88.4	120	ug/Kg
100-52-7	Benzaldehyde	300		120	180	220	ug/Kg
62-53-3	Aniline	480		65.9	88.4	120	ug/Kg
108-95-2	Phenol	1000		56.3	88.4	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	860		56.9	88.4	120	ug/Kg
95-57-8	2-Chlorophenol	980		56.8	88.4	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	960		57.5	88.4	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	950		58.5	88.4	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	960		58.8	88.4	120	ug/Kg
100-51-6	Benzyl Alcohol	960		56.4	180	220	ug/Kg
95-48-7	2-Methylphenol	950		54.8	88.4	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	880		61.8	88.4	120	ug/Kg
98-86-2	Acetophenone	1000		59.1	88.4	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		54.2	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		27.4	54.4	54.4	ug/Kg
67-72-1	Hexachloroethane	1100		56.4	88.4	120	ug/Kg
98-95-3	Nitrobenzene	1100		61.7	88.4	120	ug/Kg
78-59-1	Isophorone	1000		57.5	88.4	120	ug/Kg
88-75-5	2-Nitrophenol	1200		64.2	88.4	120	ug/Kg
105-67-9	2,4-Dimethylphenol	860		63.4	88.4	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	920		58.3	88.4	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		51.3	88.4	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	980		58	88.4	120	ug/Kg
65-85-0	Benzoic acid	1100		160	180	220	ug/Kg
91-20-3	Naphthalene	970		56.1	88.4	120	ug/Kg
106-47-8	4-Chloroaniline	330		56.1	88.4	120	ug/Kg
87-68-3	Hexachlorobutadiene	920		56.6	88.4	120	ug/Kg
105-60-2	Caprolactam	1200		59	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		52.7	88.4	120	ug/Kg
91-57-6	2-Methylnaphthalene	950		56.1	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BG032024
Lab Sample ID:	P1803-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.04 Units: g	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
BG060693.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1600		110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		48.5	88.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	980		50.3	88.4	120	ug/Kg
92-52-4	1,1-Biphenyl	920		59.4	88.4	120	ug/Kg
91-58-7	2-Chloronaphthalene	960		56.6	88.4	120	ug/Kg
88-74-4	2-Nitroaniline	1100		64.6	88.4	120	ug/Kg
131-11-3	Dimethylphthalate	980		55.5	88.4	120	ug/Kg
208-96-8	Acenaphthylene	1000		58.8	88.4	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		56.6	88.4	120	ug/Kg
99-09-2	3-Nitroaniline	590		60.6	88.4	120	ug/Kg
83-32-9	Acenaphthene	960		55.1	88.4	120	ug/Kg
Total PAH	Total PAH	18130		900.5	88.4	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2500	E	170	180	220	ug/Kg
100-02-7	4-Nitrophenol	2500	E	78.8	180	220	ug/Kg
132-64-9	Dibenzofuran	990		57.4	88.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300		58.6	88.4	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2400		115.2	88.4	240	ug/Kg
84-66-2	Diethylphthalate	1000		54.4	88.4	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		58.2	88.4	120	ug/Kg
86-73-7	Fluorene	1000		58.1	88.4	120	ug/Kg
100-01-6	4-Nitroaniline	1100		72.7	88.4	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		79.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	940		55.5	88.4	120	ug/Kg
103-33-3	Azobenzene	1000		54.1	88.4	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		53.6	88.4	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		57.8	88.4	120	ug/Kg
1912-24-9	Atrazine	1100		62.1	88.4	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	52.5	180	220	ug/Kg
85-01-8	Phenanthrene	1300		57.1	88.4	120	ug/Kg
120-12-7	Anthracene	1000		57.4	88.4	120	ug/Kg
86-74-8	Carbazole	1100		54.6	88.4	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		57.3	88.4	120	ug/Kg
206-44-0	Fluoranthene	1400		55.5	88.4	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BG032024
Lab Sample ID:	P1803-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.04 Units: g	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
BG060693.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		110	180	220	ug/Kg
129-00-0	Pyrene	1300		56.4	88.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		65.8	88.4	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	600		67	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1200		54.9	88.4	120	ug/Kg
218-01-9	Chrysene	1200		54	88.4	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		61.9	88.4	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		74.8	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		55.1	88.4	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		56.1	88.4	120	ug/Kg
50-32-8	Benzo(a)pyrene	1200		63.2	88.4	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200		53.1	88.4	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		55.2	88.4	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		54.4	88.4	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	930		59	88.4	120	ug/Kg
123-91-1	1,4-Dioxane	920		74.8	88.4	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		50.8	88.4	120	ug/Kg
90-12-0	1-Methylnaphthalene	970		56.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.316		18-112		62	SPK: -150
13127-88-3	Phenol-d6	106.874		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	78.953		18-107		79	SPK: -100
321-60-8	2-Fluorobiphenyl	55.211		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.589		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	54.271		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92920	8.293				
1146-65-2	Naphthalene-d8	399106	11.137				
15067-26-2	Acenaphthene-d10	284846	14.927				
1517-22-2	Phenanthrene-d10	647500	17.676				
1719-03-5	Chrysene-d12	618086	21.995				
1520-96-3	Perylene-d12	756649	25.532				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	TRENCH-PITMSD	SDG No.:	BG032024
Lab Sample ID:	P1803-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.8
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BG060693.D	1	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-A	SDG No.:	BG032024
Lab Sample ID:	P1804-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	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
BG060694.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.9	U	50.9	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.4	U	95.4	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	420	ug/Kg
91-20-3	Naphthalene	770		100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	160	210	ug/Kg
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.9	U	97.9	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	490		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-A	SDG No.:	BG032024
Lab Sample ID:	P1804-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	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
BG060694.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.2	U	90.2	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.5	U	93.5	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	170	J	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	800		100	160	210	ug/Kg
Total PAH	Total PAH	39120		1658.7	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	550		110	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	160	420	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	1000		110	160	210	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.7	U	99.7	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	97.7	U	97.7	340	420	ug/Kg
85-01-8	Phenanthrene	4700	E	110	160	210	ug/Kg
120-12-7	Anthracene	1600		110	160	210	ug/Kg
86-74-8	Carbazole	520		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	5900	E	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-A	SDG No.:	BG032024
Lab Sample ID:	P1804-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	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
BG060694.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	5100	E	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	3300		100	160	210	ug/Kg
218-01-9	Chrysene	3200		100	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	4100	E	100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	3300		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		98.7	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380		100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.4	U	94.4	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	410		110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.526		18-112		56	SPK: -150
13127-88-3	Phenol-d6	85.25		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	60.172		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	54.642		20-109		55	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.758		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	59.79		14-112		60	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94856	8.29				
1146-65-2	Naphthalene-d8	406938	11.134				
15067-26-2	Acenaphthene-d10	270256	14.924				
1517-22-2	Phenanthrene-d10	563102	17.673				
1719-03-5	Chrysene-d12	524674	21.998				
1520-96-3	Perylene-d12	644153	25.546				

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-A	SDG No.:	BG032024
Lab Sample ID:	P1804-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.1
Sample Wt/Vol:	50.03 Units: g	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
BG060694.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000544-76-3	Hexadecane	360	J			13.672	
000575-43-9	Naphthalene, 1,6-dimethyl-	350	J			14.095	
000629-62-9	Pentadecane	410	J			14.736	
000629-50-5	Tridecane	550	J			15.687	
	unknown16.081	480	J			16.081	
014562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	310	J			16.246	
000629-94-7	Heneicosane	510	J			16.551	
055045-10-8	Tridecane, 6-propyl-	330	J			17.344	
000132-65-0	Dibenzothiophene	410	J			17.491	
001731-88-0	Tridecanoic acid, methyl ester	2500	J			18.273	
002531-84-2	Phenanthrene, 2-methyl-	780	J			18.537	
000832-69-9	Phenanthrene, 1-methyl-	1000	J			18.59	
000610-48-0	Anthracene, 1-methyl-	400	J			18.666	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1800	J			18.743	
000832-64-4	Phenanthrene, 4-methyl-	620	J			18.772	
000612-94-2	Naphthalene, 2-phenyl-	610	J			19.031	
013058-52-1	Methyl 9-cis,11-trans-octadecadien	12000	J			19.412	
000112-62-9	9-Octadecenoic acid (Z)-, methyl e	6200	J			19.442	
000112-61-8	Methyl stearate	1100	J			19.559	
000192-97-2	Benzo[e]pyrene	520	J			25.212	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-B	SDG No.:	BG032024
Lab Sample ID:	P1804-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.07 Units: g	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
BG060695.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	210	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	120	U	120	160	210	ug/Kg
108-95-2	Phenol	100	U	100	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	210	ug/Kg
100-51-6	Benzyl Alcohol	100	U	100	340	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.8	U	50.8	100	100	ug/Kg
67-72-1	Hexachloroethane	100	U	100	160	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	210	ug/Kg
78-59-1	Isophorone	110	U	110	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	95.1	U	95.1	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	210	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	420	ug/Kg
91-20-3	Naphthalene	100	U	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	97.7	U	97.7	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-B	SDG No.:	BG032024
Lab Sample ID:	P1804-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.07 Units: g	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
BG060695.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90	U	90	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.2	U	93.2	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	210	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	210	ug/Kg
Total PAH	Total PAH	1690	U	1658.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	110	U	110	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	210	ug/Kg
103-33-3	Azobenzene	100	U	100	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.4	U	99.4	160	210	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	97.4	U	97.4	340	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	210	ug/Kg
120-12-7	Anthracene	110	U	110	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	210	ug/Kg
206-44-0	Fluoranthene	350		100	160	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-B	SDG No.:	BG032024
Lab Sample ID:	P1804-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.07 Units: g	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
BG060695.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	330		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	220		100	160	210	ug/Kg
218-01-9	Chrysene	210		100	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	280		100	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	100	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	200	J	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.4	U	98.4	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.1	U	94.1	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.042		18-112		56	SPK: -150
13127-88-3	Phenol-d6	80.274		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	57.47		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	54.004		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.254		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	55.268		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	108941	8.297				
1146-65-2	Naphthalene-d8	454058	11.141				
15067-26-2	Acenaphthene-d10	288352	14.924				
1517-22-2	Phenanthrene-d10	595530	17.674				
1719-03-5	Chrysene-d12	571186	21.993				
1520-96-3	Perylene-d12	664122	25.535				

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	JC-03-03192024-B	SDG No.:	BG032024
Lab Sample ID:	P1804-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	4.9
Sample Wt/Vol:	50.07 Units: g	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
BG060695.D	2	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	89.5	J			16.552	
000112-39-0	Hexadecanoic acid, methyl ester	330	J			18.273	
000057-10-3	n-Hexadecanoic acid	240	J			18.497	
002566-97-4	9,12-Octadecadienoic acid, methyl	1700	J			19.407	
056554-47-3	13-Octadecenoic acid, methyl ester	1100	J			19.437	
001731-88-0	Tridecanoic acid, methyl ester	180	J			19.56	
054766-91-5	Bicyclo[10.1.0]tridec-1-ene	140	J			19.613	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	OR-03-031924	SDG No.:	BG032024
Lab Sample ID:	P1801-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	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
BG060696.D	5	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	280	U	280	880	1100	ug/Kg
110-86-1	Pyridine	260	U	260	420	550	ug/Kg
100-52-7	Benzaldehyde	590	U	590	880	1100	ug/Kg
62-53-3	Aniline	310	U	310	420	550	ug/Kg
108-95-2	Phenol	270	U	270	420	550	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	270	U	270	420	550	ug/Kg
95-57-8	2-Chlorophenol	270	U	270	420	550	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	420	550	ug/Kg
541-73-1	1,3-Dichlorobenzene	280	U	280	420	550	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	420	550	ug/Kg
100-51-6	Benzyl Alcohol	270	U	270	880	1100	ug/Kg
95-48-7	2-Methylphenol	260	U	260	420	550	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	300	U	300	420	550	ug/Kg
98-86-2	Acetophenone	280	U	280	420	550	ug/Kg
65794-96-9	3+4-Methylphenols	260	U	260	880	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	130	U	130	260	260	ug/Kg
67-72-1	Hexachloroethane	270	U	270	420	550	ug/Kg
98-95-3	Nitrobenzene	290	U	290	420	550	ug/Kg
78-59-1	Isophorone	270	U	270	420	550	ug/Kg
88-75-5	2-Nitrophenol	310	U	310	420	550	ug/Kg
105-67-9	2,4-Dimethylphenol	300	U	300	420	550	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	280	U	280	420	550	ug/Kg
120-83-2	2,4-Dichlorophenol	250	U	250	420	550	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	280	U	280	420	550	ug/Kg
65-85-0	Benzoic acid	770	U	770	880	1100	ug/Kg
91-20-3	Naphthalene	440	J	270	420	550	ug/Kg
106-47-8	4-Chloroaniline	270	U	270	420	550	ug/Kg
87-68-3	Hexachlorobutadiene	270	U	270	420	550	ug/Kg
105-60-2	Caprolactam	280	U	280	880	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	250	U	250	420	550	ug/Kg
91-57-6	2-Methylnaphthalene	710		270	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	OR-03-031924	SDG No.:	BG032024
Lab Sample ID:	P1801-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	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
BG060696.D	5	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	510	U	510	880	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	230	U	230	420	550	ug/Kg
95-95-4	2,4,5-Trichlorophenol	240	U	240	420	550	ug/Kg
92-52-4	1,1-Biphenyl	280	U	280	420	550	ug/Kg
91-58-7	2-Chloronaphthalene	270	U	270	420	550	ug/Kg
88-74-4	2-Nitroaniline	310	U	310	420	550	ug/Kg
131-11-3	Dimethylphthalate	270	U	270	420	550	ug/Kg
208-96-8	Acenaphthylene	280	U	280	420	550	ug/Kg
606-20-2	2,6-Dinitrotoluene	270	U	270	420	550	ug/Kg
99-09-2	3-Nitroaniline	290	U	290	420	550	ug/Kg
83-32-9	Acenaphthene	1400		260	420	550	ug/Kg
Total PAH	Total PAH	41630		4290	420	8800	ug/Kg
51-28-5	2,4-Dinitrophenol	790	U	790	880	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	880	1100	ug/Kg
132-64-9	Dibenzofuran	790		270	420	550	ug/Kg
121-14-2	2,4-Dinitrotoluene	280	U	280	420	550	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	650	U	550	420	1100	ug/Kg
84-66-2	Diethylphthalate	260	U	260	420	550	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	280	U	280	420	550	ug/Kg
86-73-7	Fluorene	1500		280	420	550	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	420	550	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	380	U	380	880	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	260	U	260	420	550	ug/Kg
103-33-3	Azobenzene	260	U	260	420	550	ug/Kg
101-55-3	4-Bromophenyl-phenylether	260	U	260	420	550	ug/Kg
118-74-1	Hexachlorobenzene	280	U	280	420	550	ug/Kg
1912-24-9	Atrazine	300	U	300	420	550	ug/Kg
87-86-5	Pentachlorophenol	250	U	250	880	1100	ug/Kg
85-01-8	Phenanthrene	7900		270	420	550	ug/Kg
120-12-7	Anthracene	2100		270	420	550	ug/Kg
86-74-8	Carbazole	1200		260	420	550	ug/Kg
84-74-2	Di-n-butylphthalate	270	U	270	420	550	ug/Kg
206-44-0	Fluoranthene	8200		270	420	550	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	OR-03-031924	SDG No.:	BG032024
Lab Sample ID:	P1801-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	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
BG060696.D	5	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	530	U	530	880	1100	ug/Kg
129-00-0	Pyrene	6300		270	420	550	ug/Kg
85-68-7	Butylbenzylphthalate	310	U	310	420	550	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	880	1100	ug/Kg
56-55-3	Benzo(a)anthracene	3000		260	420	550	ug/Kg
218-01-9	Chrysene	2700		260	420	550	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300	U	300	420	550	ug/Kg
117-84-0	Di-n-octyl phthalate	360	U	360	880	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	2800		260	420	550	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		270	420	550	ug/Kg
50-32-8	Benzo(a)pyrene	2200		300	420	550	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	820		250	420	550	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	260	U	260	420	550	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		260	420	550	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	280	U	280	420	550	ug/Kg
123-91-1	1,4-Dioxane	360	U	360	420	550	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	240	U	240	420	550	ug/Kg
90-12-0	1-Methylnaphthalene	610		270	550	550	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.945		18-112		46	SPK: -150
13127-88-3	Phenol-d6	66.74		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	51.28		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	47.67		20-109		48	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.68		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	49.635		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102700	8.293				
1146-65-2	Naphthalene-d8	415958	11.143				
15067-26-2	Acenaphthene-d10	263128	14.927				
1517-22-2	Phenanthrene-d10	557359	17.677				
1719-03-5	Chrysene-d12	532454	21.995				
1520-96-3	Perylene-d12	628796	25.544				

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	OR-03-031924	SDG No.:	BG032024
Lab Sample ID:	P1801-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.02 Units: g	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
BG060696.D	5	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000575-43-9	Naphthalene, 1,6-dimethyl-	410	J			14.098	
000573-98-8	Naphthalene, 1,2-dimethyl-	480	J			14.239	
000581-42-0	Naphthalene, 2,6-dimethyl-	310	J			14.298	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	230	J			15.514	
001689-64-1	9H-Fluoren-9-ol	330	J			16.249	
001430-97-3	9H-Fluorene, 2-methyl-	460	J			16.96	
000132-65-0	Dibenzothiophene	610	J			17.494	
007372-88-5	Dibenzothiophene, 4-methyl-	250	J			18.252	
002531-84-2	Phenanthrene, 2-methyl-	860	J			18.54	
000613-12-7	Anthracene, 2-methyl-	1300	J			18.587	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	490	J			18.669	
000203-64-5	4H-Cyclopenta[def]phenanthrene	2100	J			18.74	
000612-94-2	Naphthalene, 2-phenyl-	570	J			19.028	
000084-65-1	9,10-Anthracenedione	270	J			19.087	
001576-67-6	Phenanthrene, 3,6-dimethyl-	220	J			19.316	
056599-58-7	8,11-Octadecadienoic acid, methyl	280	J			19.404	
002789-88-0	di-p-Tolylacetylene	660	J			19.433	
000238-84-6	11H-Benzo[a]fluorene	440	J			20.555	
033543-31-6	Fluoranthene, 2-methyl-	410	J			20.655	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	342	SDG No.:	BG032024
Lab Sample ID:	P1810-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.01	Units:	g
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
BG060697.D	10	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	640	U	640	2000	2400	ug/Kg
110-86-1	Pyridine	590	U	590	950	1200	ug/Kg
100-52-7	Benzaldehyde	1300	U	1300	2000	2400	ug/Kg
62-53-3	Aniline	710	U	710	950	1200	ug/Kg
108-95-2	Phenol	610	U	610	950	1200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	610	U	610	950	1200	ug/Kg
95-57-8	2-Chlorophenol	610	U	610	950	1200	ug/Kg
95-50-1	1,2-Dichlorobenzene	620	U	620	950	1200	ug/Kg
541-73-1	1,3-Dichlorobenzene	630	U	630	950	1200	ug/Kg
106-46-7	1,4-Dichlorobenzene	630	U	630	950	1200	ug/Kg
100-51-6	Benzyl Alcohol	610	U	610	2000	2400	ug/Kg
95-48-7	2-Methylphenol	590	U	590	950	1200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	670	U	670	950	1200	ug/Kg
98-86-2	Acetophenone	640	U	640	950	1200	ug/Kg
65794-96-9	3+4-Methylphenols	590	U	590	2000	2400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	300	U	300	590	590	ug/Kg
67-72-1	Hexachloroethane	610	U	610	950	1200	ug/Kg
98-95-3	Nitrobenzene	670	U	670	950	1200	ug/Kg
78-59-1	Isophorone	620	U	620	950	1200	ug/Kg
88-75-5	2-Nitrophenol	690	U	690	950	1200	ug/Kg
105-67-9	2,4-Dimethylphenol	680	U	680	950	1200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	630	U	630	950	1200	ug/Kg
120-83-2	2,4-Dichlorophenol	550	U	550	950	1200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	630	U	630	950	1200	ug/Kg
65-85-0	Benzoic acid	1700	U	1700	2000	2400	ug/Kg
91-20-3	Naphthalene	610	U	610	950	1200	ug/Kg
106-47-8	4-Chloroaniline	610	U	610	950	1200	ug/Kg
87-68-3	Hexachlorobutadiene	610	U	610	950	1200	ug/Kg
105-60-2	Caprolactam	640	U	640	2000	2400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	570	U	570	950	1200	ug/Kg
91-57-6	2-Methylnaphthalene	610	U	610	950	1200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	342	SDG No.:	BG032024
Lab Sample ID:	P1810-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.01	Units:	g
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
BG060697.D	10	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100	U	1100	2000	2400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	520	U	520	950	1200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	540	U	540	950	1200	ug/Kg
92-52-4	1,1-Biphenyl	640	U	640	950	1200	ug/Kg
91-58-7	2-Chloronaphthalene	610	U	610	950	1200	ug/Kg
88-74-4	2-Nitroaniline	700	U	700	950	1200	ug/Kg
131-11-3	Dimethylphthalate	600	U	600	950	1200	ug/Kg
208-96-8	Acenaphthylene	630	U	630	950	1200	ug/Kg
606-20-2	2,6-Dinitrotoluene	610	U	610	950	1200	ug/Kg
99-09-2	3-Nitroaniline	650	U	650	950	1200	ug/Kg
83-32-9	Acenaphthene	590	U	590	950	1200	ug/Kg
Total PAH	Total PAH	9720	U	9720	950	19200	ug/Kg
51-28-5	2,4-Dinitrophenol	1800	U	1800	2000	2400	ug/Kg
100-02-7	4-Nitrophenol	850	U	850	2000	2400	ug/Kg
132-64-9	Dibenzofuran	620	U	620	950	1200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	1240	950	2400	ug/Kg
121-14-2	2,4-Dinitrotoluene	630	U	630	950	1200	ug/Kg
84-66-2	Diethylphthalate	590	U	590	950	1200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	630	U	630	950	1200	ug/Kg
86-73-7	Fluorene	630	U	630	950	1200	ug/Kg
100-01-6	4-Nitroaniline	780	U	780	950	1200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	860	U	860	2000	2400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	600	U	600	950	1200	ug/Kg
103-33-3	Azobenzene	580	U	580	950	1200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	580	U	580	950	1200	ug/Kg
118-74-1	Hexachlorobenzene	620	U	620	950	1200	ug/Kg
1912-24-9	Atrazine	670	U	670	950	1200	ug/Kg
87-86-5	Pentachlorophenol	570	U	570	2000	2400	ug/Kg
85-01-8	Phenanthrene	620	U	620	950	1200	ug/Kg
120-12-7	Anthracene	620	U	620	950	1200	ug/Kg
86-74-8	Carbazole	590	U	590	950	1200	ug/Kg
84-74-2	Di-n-butylphthalate	620	U	620	950	1200	ug/Kg
206-44-0	Fluoranthene	600	U	600	950	1200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	342	SDG No.:	BG032024
Lab Sample ID:	P1810-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.01	Units:	g
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
BG060697.D	10	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200	U	1200	2000	2400	ug/Kg
129-00-0	Pyrene	610	U	610	950	1200	ug/Kg
85-68-7	Butylbenzylphthalate	710	U	710	950	1200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	720	U	720	2000	2400	ug/Kg
56-55-3	Benzo(a)anthracene	590	U	590	950	1200	ug/Kg
218-01-9	Chrysene	580	U	580	950	1200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	670	U	670	950	1200	ug/Kg
117-84-0	Di-n-octyl phthalate	810	U	810	2000	2400	ug/Kg
205-99-2	Benzo(b)fluoranthene	590	U	590	950	1200	ug/Kg
207-08-9	Benzo(k)fluoranthene	610	U	610	950	1200	ug/Kg
50-32-8	Benzo(a)pyrene	680	U	680	950	1200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	570	U	570	950	1200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	600	U	600	950	1200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	590	U	590	950	1200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	640	U	640	950	1200	ug/Kg
123-91-1	1,4-Dioxane	810	U	810	950	1200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	550	U	550	950	1200	ug/Kg
90-12-0	1-Methylnaphthalene	610	U	610	1200	1200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	51.05		18-112		34	SPK: -150
13127-88-3	Phenol-d6	52.11		15-107		35	SPK: -150
4165-60-0	Nitrobenzene-d5	43.53		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	42.48		20-109		42	SPK: -100
118-79-6	2,4,6-Tribromophenol	65.86		10-110		44	SPK: -150
1718-51-0	Terphenyl-d14	44.49		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100078	8.296				
1146-65-2	Naphthalene-d8	404731	11.14				
15067-26-2	Acenaphthene-d10	253406	14.929				
1517-22-2	Phenanthrene-d10	492247	17.685				
1719-03-5	Chrysene-d12	494316	21.998				
1520-96-3	Perylene-d12	565966	25.541				

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	342	SDG No.:	BG032024
Lab Sample ID:	P1810-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.2
Sample Wt/Vol:	50.01	Units:	g
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
BG060697.D	10	3/20/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
1000222-86-6	Oxime-, methoxy-phenyl-	3600	J			5.858	
000556-67-2	Cyclotetrasiloxane, octamethyl-	7200	J			7.256	
055429-29-3	Arsenous acid, tris(trimethylsilyl	8000	J			8.59	
000541-02-6	Cyclopentasiloxane, decamethyl-	4400	J			9.706	
1000514-43-5	2,4-Dihydroxy-3-methylbenzaldehyde, 2TMS3400		J			10.911	
000540-97-6	Cyclohexasiloxane, dodecamethyl-	4000	J			12.192	
	unknown12.961	2700	J			12.961	
000589-43-5	Hexane, 2,4-dimethyl-	2600	J			13.419	
1000293-29-1	2-Azido-2,4,4,6,6,8,8-heptamethyln	4800	J			13.907	
	unknown14.154	2400	J			14.154	
1010406-33-6	Dotriacontyl isobutyl ether	3700	J			14.324	
	unknown14.706	4900	J			14.706	
1000309-19-5	Sulfurous acid, dodecyl 2-ethylhex	5600	J			14.8	
	unknown14.877	2200	J			14.877	
	unknown15.676	2800	J			15.676	
1000274-60-9	9-Amino-7-mercapto-5,6,8,10-tetraa	2900	J			16.146	
1000405-70-2	Fumaric acid, 2,4-dichlorophenyl d	3600	J			16.98	
	unknown19.871	4300	J			19.871	
	unknown21.146	3100	J			21.146	
	unknown21.674	4100	J			21.674	

Hit Summary Sheet

SW-846

SDG No.: BG032024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	OR-03-031924							
P1801-01	OR-03-031924	Solid	11H-Benzo[a]fluorene	*	440.000	J		
P1801-01	OR-03-031924	Solid	1H-Cyclopropa[l]phenanthrene, 1a	*	490.000	J		
P1801-01	OR-03-031924	Solid	4H-Cyclopenta[def]phenanthrene	*	2,100.000	J		
P1801-01	OR-03-031924	Solid	8,11-Octadecadienoic acid, methyl	*	280.000	J		
P1801-01	OR-03-031924	Solid	9,10-Anthracenedione	*	270.000	J		
P1801-01	OR-03-031924	Solid	9H-Fluorene-9-ol	*	330.000	J		
P1801-01	OR-03-031924	Solid	9H-Fluorene, 2-methyl-	*	460.000	J		
P1801-01	OR-03-031924	Solid	Anthracene, 2-methyl-	*	1,300.000	J		
P1801-01	OR-03-031924	Solid	di-p-Tolylacetylene	*	660.000	J		
P1801-01	OR-03-031924	Solid	Dibenzothiophene	*	610.000	J		
P1801-01	OR-03-031924	Solid	Dibenzothiophene, 4-methyl-	*	250.000	J		
P1801-01	OR-03-031924	Solid	Fluoranthene, 2-methyl-	*	410.000	J		
P1801-01	OR-03-031924	Solid	Naphthalene, 1,2-dimethyl-	*	480.000	J		
P1801-01	OR-03-031924	Solid	Naphthalene, 1,6,7-trimethyl-	*	230.000	J		
P1801-01	OR-03-031924	Solid	Naphthalene, 1,6-dimethyl-	*	410.000	J		
P1801-01	OR-03-031924	Solid	Naphthalene, 2,6-dimethyl-	*	310.000	J		
P1801-01	OR-03-031924	Solid	Naphthalene, 2-phenyl-	*	570.000	J		
P1801-01	OR-03-031924	Solid	Phenanthrene, 2-methyl-	*	860.000	J		
P1801-01	OR-03-031924	Solid	Phenanthrene, 3,6-dimethyl-	*	220.000	J		
			Total Tics :		10,680.00			
P1801-01	OR-03-031924	Solid	1-Methylnaphthalene		610.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	2-Methylnaphthalene		710.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Acenaphthene		1,400.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Anthracene		2,100.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Benzo(a)anthracene		3,000.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Benzo(a)pyrene		2,200.000	300	550	ug/Kg
P1801-01	OR-03-031924	Solid	Benzo(b)fluoranthene		2,800.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Benzo(g,h,i)perylene		870.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Benzo(k)fluoranthene		1,400.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Carbazole		1,200.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Chrysene		2,700.000	260	550	ug/Kg
P1801-01	OR-03-031924	Solid	Dibenzofuran		790.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Fluoranthene		8,200.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Fluorene		1,500.000	280	550	ug/Kg
P1801-01	OR-03-031924	Solid	Indeno(1,2,3-cd)pyrene		820.000	250	550	ug/Kg
P1801-01	OR-03-031924	Solid	Naphthalene		440.000	J 270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Phenanthrene		7,900.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Pyrene		6,300.000	270	550	ug/Kg
P1801-01	OR-03-031924	Solid	Total PAH		41,630.000	4290	8800	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG032024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	86,570.00				
			Total Concentration:	97,250.00				
Client ID :	TRENCH-PIT							
P1803-01	TRENCH-PIT	Solid	17-Pentatriacontene	*	74.500	J		
P1803-01	TRENCH-PIT	Solid	4H-Cyclopenta[def]phenanthrene	*	70.200	J		
P1803-01	TRENCH-PIT	Solid	9,10-Anthracenedione	*	62.000	J		
P1803-01	TRENCH-PIT	Solid	Anthracene, 2-methyl-	*	71.100	J		
P1803-01	TRENCH-PIT	Solid	Benzo[e]pyrene	*	170.000	J		
P1803-01	TRENCH-PIT	Solid	Juglone	*	110.000	J		
P1803-01	TRENCH-PIT	Solid	n-Hexadecanoic acid	*	210.000	J		
P1803-01	TRENCH-PIT	Solid	Phenanthrene, 1-methyl-	*	53.600	J		
			Total Tics :	821.40				
P1803-01	TRENCH-PIT	Solid	Benzo(a)anthracene		200.000		54.8	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Benzo(a)pyrene		190.000		63.2	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Benzo(b)fluoranthene		270.000		55.1	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Benzo(g,h,i)perylene		130.000		54.4	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Benzo(k)fluoranthene		110.000	J	56.1	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Carbazole		54.800	J	54.5	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Chrysene		220.000		54	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Fluoranthene		560.000		55.5	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Indeno(1,2,3-cd)pyrene		110.000	J	53	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Phenanthrene		390.000		57	120 ug/Kg
P1803-01	TRENCH-PIT	Solid	Pyrene		400.000		56.4	120 ug/Kg
			Total Svoc :	2,634.80				
			Total Concentration:	3,456.20				
Client ID :	JC-03-03192024-A							
P1804-01	JC-03-03192024-A	Solid	2,4,6-Cycloheptatrien-1-one, 2-ph	*	310.000	J		
P1804-01	JC-03-03192024-A	Solid	4H-Cyclopenta[def]phenanthrene	*	1,800.000	J		
P1804-01	JC-03-03192024-A	Solid	9-Octadecenoic acid (Z)-, methyl	*	6,200.000	J		
P1804-01	JC-03-03192024-A	Solid	Anthracene, 1-methyl-	*	400.000	J		
P1804-01	JC-03-03192024-A	Solid	Benzo[e]pyrene	*	520.000	J		
P1804-01	JC-03-03192024-A	Solid	Dibenzothiophene	*	410.000	J		
P1804-01	JC-03-03192024-A	Solid	Heneicosane	*	510.000	J		
P1804-01	JC-03-03192024-A	Solid	Hexadecane	*	360.000	J		
P1804-01	JC-03-03192024-A	Solid	Methyl 9-cis,11-trans-octadecadie	*	12,000.000	J		
P1804-01	JC-03-03192024-A	Solid	Methyl stearate	*	1,100.000	J		
P1804-01	JC-03-03192024-A	Solid	Naphthalene, 1,6-dimethyl-	*	350.000	J		
P1804-01	JC-03-03192024-A	Solid	Naphthalene, 2-phenyl-	*	610.000	J		
P1804-01	JC-03-03192024-A	Solid	Pentadecane	*	410.000	J		
P1804-01	JC-03-03192024-A	Solid	Phenanthrene, 1-methyl-	*	1,000.000	J		
P1804-01	JC-03-03192024-A	Solid	Phenanthrene, 2-methyl-	*	780.000	J		

Hit Summary Sheet SW-846

SDG No.: BG032024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1804-01	JC-03-03192024-A	Solid	Phenanthrene, 4-methyl-	*	620.000	J		
P1804-01	JC-03-03192024-A	Solid	Tridecane	*	550.000	J		
P1804-01	JC-03-03192024-A	Solid	Tridecane, 6-propyl-	*	330.000	J		
P1804-01	JC-03-03192024-A	Solid	Tridecanoic acid, methyl ester	*	2,500.000	J		
P1804-01	JC-03-03192024-A	Solid	unknown16.081	*	480.000	J		
Total Tics :				31,240.00				
P1804-01	JC-03-03192024-A	Solid	1-Methylnaphthalene		410.000		110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	2-Methylnaphthalene		490.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Acenaphthene		800.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Acenaphthylene		170.000	J	110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Anthracene		1,600.000		110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Benzo(a)anthracene		3,300.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Benzo(a)pyrene		3,300.000		120	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Benzo(b)fluoranthene		4,100.000	E	100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Benzo(g,h,i)perylene		1,600.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Benzo(k)fluoranthene		1,700.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Carbazole		520.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Chrysene		3,200.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Dibenzo(a,h)anthracene		380.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Dibenzofuran		550.000		110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Fluoranthene		5,900.000	E	100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Fluorene		1,000.000		110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Indeno(1,2,3-cd)pyrene		1,500.000		98.7	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Naphthalene		770.000		100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Phenanthrene		4,700.000	E	110	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Pyrene		5,100.000	E	100	210 ug/Kg
P1804-01	JC-03-03192024-A	Solid	Total PAH		39,120.000		1658.7	3360 ug/Kg
Total Svoc :				80,210.00				
Total Concentration:				111,450.00				
Client ID : JC-03-03192024-B								
P1804-03	JC-03-03192024-B	Solid	13-Octadecenoic acid, methyl este	*	1,100.000	J		
P1804-03	JC-03-03192024-B	Solid	9,12-Octadecadienoic acid, methy	*	1,700.000	J		
P1804-03	JC-03-03192024-B	Solid	Bicyclo[10.1.0]tridec-1-ene	*	140.000	J		
P1804-03	JC-03-03192024-B	Solid	Heptadecane, 2,6,10,15-tetrameth	*	89.500	J		
P1804-03	JC-03-03192024-B	Solid	Hexadecanoic acid, methyl ester	*	330.000	J		
P1804-03	JC-03-03192024-B	Solid	n-Hexadecanoic acid	*	240.000	J		
P1804-03	JC-03-03192024-B	Solid	Tridecanoic acid, methyl ester	*	180.000	J		
Total Tics :				3,779.50				
P1804-03	JC-03-03192024-B	Solid	Benzo(a)anthracene		220.000		100	210 ug/Kg
P1804-03	JC-03-03192024-B	Solid	Benzo(a)pyrene		200.000	J	120	210 ug/Kg
P1804-03	JC-03-03192024-B	Solid	Benzo(b)fluoranthene		280.000		100	210 ug/Kg
P1804-03	JC-03-03192024-B	Solid	Benzo(k)fluoranthene		100.000	J	100	210 ug/Kg

Hit Summary Sheet
SW-846

SDG No.: BG032024

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1804-03	JC-03-03192024-B	Solid	Chrysene	210.000		100	210	ug/Kg
P1804-03	JC-03-03192024-B	Solid	Fluoranthene	350.000		100	210	ug/Kg
P1804-03	JC-03-03192024-B	Solid	Pyrene	330.000		100	210	ug/Kg
Total Svoc :						1,690.00		
Total Concentration:						5,469.50		
Client ID : 342								
P1810-01	342	Solid	2,4-Dihydroxy-3-methylbenzaldel *	3,400.000	J			
P1810-01	342	Solid	2-Azido-2,4,4,6,6,8,8-heptamethy *	4,800.000	J			
P1810-01	342	Solid	9-Amino-7-mercapto-5,6,8,10-tetr *	2,900.000	J			
P1810-01	342	Solid	Arsenous acid, tris(trimethylsilyl) *	8,000.000	J			
P1810-01	342	Solid	Cyclohexasiloxane, dodecamethyl *	4,000.000	J			
P1810-01	342	Solid	Cyclopentasiloxane, decamethyl- *	4,400.000	J			
P1810-01	342	Solid	Cyclotetrasiloxane, octamethyl- *	7,200.000	J			
P1810-01	342	Solid	Dotriacontyl isobutyl ether *	3,700.000	J			
P1810-01	342	Solid	Fumaric acid, 2,4-dichlorophenyl *	3,600.000	J			
P1810-01	342	Solid	Hexane, 2,4-dimethyl- *	2,600.000	J			
P1810-01	342	Solid	Oxime-, methoxy-phenyl- *	3,600.000	J			
P1810-01	342	Solid	Sulfurous acid, dodecyl 2-ethylhe: *	5,600.000	J			
P1810-01	342	Solid	unknown12.961 *	2,700.000	J			
P1810-01	342	Solid	unknown14.154 *	2,400.000	J			
P1810-01	342	Solid	unknown14.706 *	4,900.000	J			
P1810-01	342	Solid	unknown14.877 *	2,200.000	J			
P1810-01	342	Solid	unknown15.676 *	2,800.000	J			
P1810-01	342	Solid	unknown19.871 *	4,300.000	J			
P1810-01	342	Solid	unknown21.146 *	3,100.000	J			
P1810-01	342	Solid	unknown21.674 *	4,100.000	J			
Total Tics :						80,300.00		
Total Concentration:						80,300.00		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG031324

SAS No.: BG031324

SDG No.: BG031324

Instrument ID:

Calibration Date(s): 3/13/2024 :

Calibration Time(s): 10:44

LAB FILE ID:		RRF2.5 = BG060621.D			RRF005 = BG060622.D		RRF010 = BG060623.D	
		RRF020 = BG060624.D			RRF040 = BG060625.D		RRF050 = BG060626.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.789	0.750	0.812	0.776	0.759	0.772	3.2
Pyridine		1.589	1.575	1.626	1.587	1.551	1.574	2.1
2-Fluorophenol		1.257	1.230	1.334	1.299	1.283	1.272	3.0
Benzaldehyde		1.091	1.076	1.168	1.084	0.998	1.033	10.0
Aniline		2.137	2.220	2.319	2.328	2.299	2.255	3.2
Phenol-d6		1.710	1.816	1.952	1.917	1.867	1.846	4.4
Phenol		1.797	1.778	1.943	1.932	1.851	1.852	3.8
bis(2-Chloroethyl)ether		1.483	1.488	1.524	1.516	1.432	1.476	2.9
2-Chlorophenol		1.336	1.359	1.445	1.431	1.395	1.391	2.8
1,2-Dichlorobenzene		1.513	1.529	1.559	1.521	1.487	1.510	2.5
1,3-Dichlorobenzene		1.506	1.477	1.590	1.500	1.490	1.500	3.1
1,4-Dichlorobenzene		1.520	1.477	1.590	1.557	1.520	1.520	2.8
Benzyl Alcohol		1.340	1.384	1.495	1.549	1.475	1.459	5.0
2-Methylphenol		1.306	1.350	1.499	1.496	1.428	1.422	5.1
2,2-oxybis(1-Chloropropane)		2.752	2.810	3.040	2.934	2.837	2.866	3.6
Acetophenone		0.527	0.523	0.559	0.548	0.535	0.536	2.9
3+4-Methylphenols		1.786	1.826	1.984	2.023	1.927	1.918	4.6
n-Nitroso-di-n-propylamine	1.264	1.142	1.268	1.350	1.341	1.272	1.279	5.1
Nitrobenzene-d5		0.343	0.349	0.397	0.398	0.399	0.384	6.9
Hexachloroethane		0.481	0.506	0.552	0.526	0.519	0.519	4.4
Nitrobenzene		0.348	0.351	0.398	0.401	0.393	0.384	6.3
Isophorone		0.727	0.741	0.793	0.788	0.777	0.769	3.5
2-Nitrophenol		0.106	0.114	0.145	0.153	0.155	0.142	15.9
2,4-Dimethylphenol		0.380	0.332	0.349	0.337	0.329	0.340	5.8
bis(2-Chloroethoxy)methane		0.456	0.461	0.482	0.466	0.450	0.461	2.8
2,4-Dichlorophenol		0.285	0.295	0.310	0.316	0.310	0.306	3.9
1,2,4-Trichlorobenzene		0.324	0.329	0.336	0.322	0.318	0.324	2.6
Benzoic acid			0.113	0.170	0.217	0.221	0.199	24.5
Naphthalene		1.140	1.123	1.164	1.113	1.107	1.117	3.0
4-Chloroaniline		0.438	0.472	0.492	0.481	0.472	0.471	3.7
Hexachlorobutadiene		0.219	0.219	0.231	0.221	0.222	0.221	2.6
Caprolactam		0.087	0.101	0.108	0.106	0.105	0.103	6.9
4-Chloro-3-methylphenol		0.349	0.362	0.390	0.385	0.379	0.374	3.9
2-Methylnaphthalene		0.788	0.767	0.817	0.773	0.760	0.772	3.5
Hexachlorocyclopentadiene		0.245	0.254	0.304	0.315	0.321	0.302	12.7
2,4,6-Trichlorophenol		0.352	0.366	0.406	0.405	0.408	0.394	6.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG031324

SAS No.: BG031324

SDG No.: BG031324

Instrument ID: _____

Calibration Date(s): 3/13/2024 : _____

Calibration Time(s): 10:44 : _____

LAB FILE ID:		RRF2.5 = BG060621.D			RRF005 = BG060622.D		RRF010 = BG060623.D	
		RRF020 = BG060624.D			RRF040 = BG060625.D		RRF050 = BG060626.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.518	1.596	1.471	1.459	1.479	5.3
2,4,5-Trichlorophenol		0.402	0.436	0.485	0.484	0.484	0.467	7.4
1,1-Biphenyl		1.523	1.534	1.593	1.520	1.499	1.520	2.9
2-Chloronaphthalene		1.089	1.148	1.203	1.169	1.137	1.147	3.4
2-Nitroaniline		0.277	0.327	0.376	0.411	0.416	0.379	15.0
Dimethylphthalate		1.434	1.504	1.571	1.522	1.499	1.500	3.3
Acenaphthylene		1.813	1.868	1.957	1.881	1.882	1.869	3.0
2,6-Dinitrotoluene		0.204	0.251	0.286	0.295	0.293	0.276	13.3
3-Nitroaniline		0.264	0.289	0.331	0.332	0.337	0.318	9.3
Acenaphthene		1.120	1.111	1.184	1.113	1.096	1.117	3.0
2,4-Dinitrophenol			0.077	0.099	0.123	0.126	0.118	21.6
4-Nitrophenol			0.195	0.226	0.246	0.251	0.237	9.8
Dibenzofuran		1.845	1.826	1.903	1.804	1.792	1.808	3.6
2,4-Dinitrotoluene		0.255	0.302	0.351	0.373	0.380	0.348	14.6
Diethylphthalate		1.496	1.559	1.617	1.554	1.538	1.543	3.1
4-Chlorophenyl-phenylether		0.725	0.741	0.776	0.729	0.724	0.733	3.1
Fluorene		1.413	1.464	1.532	1.453	1.436	1.447	3.6
4-Nitroaniline		0.252	0.307	0.338	0.347	0.344	0.326	10.9
4,6-Dinitro-2-methylphenol			0.057	0.076	0.087	0.087	0.083	17.6
n-Nitrosodiphenylamine		0.605	0.616	0.674	0.631	0.621	0.626	4.1
Azobenzene		1.524	1.600	1.696	1.621	1.589	1.597	3.6
2,4,6-Tribromophenol		0.178	0.218	0.234	0.245	0.248	0.232	11.5
4-Bromophenyl-phenylether		0.209	0.204	0.229	0.213	0.215	0.216	4.1
Hexachlorobenzene		0.241	0.248	0.260	0.247	0.245	0.248	2.7
Atrazine		0.192	0.207	0.224	0.214	0.209	0.209	4.8
Pentachlorophenol			0.119	0.153	0.170	0.170	0.161	13.6
Phenanthrene		1.100	1.098	1.162	1.071	1.048	1.077	4.9
Anthracene		1.082	1.102	1.158	1.092	1.075	1.089	3.9
Carbazole		0.896	0.961	1.017	0.954	0.950	0.947	4.4
Di-n-butylphthalate		1.044	1.139	1.244	1.198	1.172	1.154	5.8
Fluoranthene		1.170	1.192	1.283	1.212	1.194	1.192	4.5
Benzidine		0.414	0.407	0.436	0.545	0.520	0.489	14.1
Pyrene		1.385	1.423	1.489	1.414	1.375	1.396	4.4
Terphenyl-d14		1.201	1.204	1.244	1.096	1.065	1.106	10.8
Butylbenzylphthalate		0.436	0.477	0.542	0.557	0.560	0.528	9.7
3,3-Dichlorobenzidine		0.410	0.430	0.475	0.494	0.478	0.464	7.0

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.: BG031324

SAS No.: BG031324

SDG No.: BG031324

Instrument ID: _____

Calibration Date(s): 3/13/2024 : _____

Calibration Time(s): 10:44 : _____

LAB FILE ID:		RRF2.5 = BG060621.D			RRF005 = BG060622.D		RRF010 = BG060623.D	
		RRF020 = BG060624.D			RRF040 = BG060625.D		RRF050 = BG060626.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.342	1.372	1.434	1.402	1.382	1.377	2.9
Chrysene		1.344	1.335	1.385	1.346	1.320	1.337	2.7
Bis(2-ethylhexyl)phthalate		0.668	0.705	0.795	0.826	0.815	0.779	8.5
Di-n-octyl phthalate		1.039	1.134	1.296	1.375	1.368	1.283	11.1
Benzo(b)fluoranthene		1.030	1.059	1.149	1.137	1.097	1.100	4.2
Benzo(k)fluoranthene		1.112	1.106	1.207	1.164	1.174	1.156	3.3
Benzo(a)pyrene		1.013	1.002	1.121	1.101	1.098	1.079	4.8
Indeno(1,2,3-cd)pyrene		1.240	1.273	1.400	1.396	1.403	1.364	5.6
Dibenzo(a,h)anthracene		1.087	1.078	1.184	1.182	1.175	1.158	4.7
Benzo(g,h,i)perylene		1.019	1.059	1.152	1.154	1.146	1.121	5.3
1,2,4,5-Tetrachlorobenzene		0.590	0.611	0.639	0.613	0.619	0.614	2.8
1,4-Dioxane		0.574	0.543	0.583	0.521	0.514	0.533	7.1
2,3,4,6-Tetrachlorophenol		0.320	0.376	0.394	0.406	0.411	0.389	8.5
1-Methylnaphthalene		0.740	0.719	0.764	0.732	0.712	0.724	3.5

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: CHEMTECHLab Code: CHEM Case No.: BG032024 SAS No.: BG032024 SDG NO.: BG032024EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BG060625.D Time Analyzed: 11:47Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	106013	8.324	497769	11.17	328973	14.95
UPPER LIMIT	212026	8.824	995538	11.673	657946	15.451
LOWER LIMIT	53006.5	7.824	248884.5	10.673	164486.5	14.451
EPA SAMPLE NO.						
01 PB159648TB	78294	8.29	320538	11.14	241442	14.92
02 196-BAY-AVENUE	83680	8.29	325169	11.14	237737	14.92
03 196-BAY-AVENUEMS	78084	8.29	314184	11.14	238693	14.93
04 196-BAY-AVENUEMSD	71159	8.29	297348	11.14	224973	14.93
05 TRENCH-PIT	79254	8.29	318470	11.14	225538	14.92
06 TRENCH-PITMS	84457	8.29	381111	11.14	271437	14.93
07 TRENCH-PITMSD	92920	8.29	399106	11.14	284846	14.93
08 JC-03-03192024-A	94856	8.29	406938	11.13	270256	14.92
09 JC-03-03192024-B	108941	8.30	454058	11.14	288352	14.92
10 OR-03-031924	102700	8.29	415958	11.14	263128	14.93
11 342	100078	8.30	404731	11.14	253406	14.93

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.: BG032024 SAS No.: BG032024 SDG NO.: BG032024EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BG060686.D Time Analyzed: 11:47Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	92467	8.297	433142	11.14	278300	14.93
UPPER LIMIT	184934	8.797	866284	11.641	556600	15.425
LOWER LIMIT	46233.5	7.797	216571	10.641	139150	14.425
EPA SAMPLE NO.						
01 PB159648TB	78294	8.29	320538	11.14	241442	14.92
02 196-BAY-AVENUE	83680	8.29	325169	11.14	237737	14.92
03 196-BAY-AVENUEMS	78084	8.29	314184	11.14	238693	14.93
04 196-BAY-AVENUEMSD	71159	8.29	297348	11.14	224973	14.93
05 TRENCH-PIT	79254	8.29	318470	11.14	225538	14.92
06 TRENCH-PITMS	84457	8.29	381111	11.14	271437	14.93
07 TRENCH-PITMSD	92920	8.29	399106	11.14	284846	14.93
08 JC-03-03192024-A	94856	8.29	406938	11.13	270256	14.92
09 JC-03-03192024-B	108941	8.30	454058	11.14	288352	14.92
10 OR-03-031924	102700	8.29	415958	11.14	263128	14.93
11 342	100078	8.30	404731	11.14	253406	14.93

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.: BG032024 SAS No.: BG032024 SDG NO.: BG032024

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

Lab File ID: BG060625.D Time Analyzed: 11:47

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	696137	17.701	617246	22.025	701669	25.574
UPPER LIMIT	1392274	18.201	1234492	22.525	1403338	26.074
LOWER LIMIT	348068.5	17.201	308623	21.525	350834.5	25.074
EPA SAMPLE NO.						
01 PB159648TB	561110	17.67	551839	21.99	649077	25.53
02 196-BAY-AVENUE	557169	17.67	542161	21.99	648715	25.53
03 196-BAY-AVENUEMS	575038	17.68	552824	22.00	647415	25.53
04 196-BAY-AVENUEMSD	563224	17.68	555986	22.00	656966	25.53
05 TRENCH-PIT	546224	17.67	537638	21.99	643525	25.53
06 TRENCH-PITMS	628549	17.68	587149	21.99	708505	25.54
07 TRENCH-PITMSD	647500	17.68	618086	22.00	756649	25.53
08 JC-03-03192024-A	563102	17.67	524674	22.00	644153	25.55
09 JC-03-03192024-B	595530	17.67	571186	21.99	664122	25.54
10 OR-03-031924	557359	17.68	532454	22.00	628796	25.54
11 342	492247	17.69	494316	22.00	565966	25.54

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.: BG032024 SAS No.: BG032024 SDG NO.: BG032024

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 20 2024 12:00AM

Lab File ID: BG060686.D Time Analyzed: 11:47

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	601677	17.674	535741	21.993	643613	25.536
UPPER LIMIT	1203354	18.174	1071482	22.493	1287226	26.036
LOWER LIMIT	300838.5	17.174	267870.5	21.493	321806.5	25.036
EPA SAMPLE NO.						
01 PB159648TB	561110	17.67	551839	21.99	649077	25.53
02 196-BAY-AVENUE	557169	17.67	542161	21.99	648715	25.53
03 196-BAY-AVENUEMS	575038	17.68	552824	22.00	647415	25.53
04 196-BAY-AVENUEMSD	563224	17.68	555986	22.00	656966	25.53
05 TRENCH-PIT	546224	17.67	537638	21.99	643525	25.53
06 TRENCH-PITMS	628549	17.68	587149	21.99	708505	25.54
07 TRENCH-PITMSD	647500	17.68	618086	22.00	756649	25.53
08 JC-03-03192024-A	563102	17.67	524674	22.00	644153	25.55
09 JC-03-03192024-B	595530	17.67	571186	21.99	664122	25.54
10 OR-03-031924	557359	17.68	532454	22.00	628796	25.54
11 342	492247	17.69	494316	22.00	565966	25.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TRENCH-PIT

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG032024SAS No.: BG032024 SDG NO.: BG032024Lab File ID: BG060691.DLab Sample ID: P1803-01Instrument ID: BNA_GDate Extracted: 03/20/2024Matrix: (soil/water) SolidDate Analyzed: 03/20/2024Level: (low/med) LOWTime Analyzed: 14:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TRENCH-PIT	P1803-01	BG060691.D	03/20/2024
TRENCH-PITMS	P1803-01MS	BG060692.D	03/20/2024
TRENCH-PITMSD	P1803-01MSD	BG060693.D	03/20/2024
JC-03-03192024-A	P1804-01	BG060694.D	03/20/2024
JC-03-03192024-B	P1804-03	BG060695.D	03/20/2024
OR-03-031924	P1801-01	BG060696.D	03/20/2024
342	P1810-01	BG060697.D	03/20/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159648TB

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG032024

SAS No.: BG032024 SDG NO.: BG032024

Lab File ID: BG060687.D

Lab Sample ID: PB159648TB

Instrument ID: BNA_G

Date Extracted: 03/19/2024

Matrix: (soil/water) water

Date Analyzed: 03/20/2024

Level: (low/med) LOW

Time Analyzed: 11:47

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159648TB	PB159648TB	BG060687.D	03/20/2024
196-BAY-AVENUE	P1616-02	BG060688.D	03/20/2024
196-BAY-AVENUEMS	P1616-02MS	BG060689.D	03/20/2024
196-BAY-AVENUEMSD	P1616-02MSD	BG060690.D	03/20/2024

COMMENTS:

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1616-02MS	Client Sample ID:	196-BAY-AVENUEMS				DataFile:	BG060689.D			
n-Nitrosodimethylamine	500		440	ug/L	88				10	130	
Pyridine	500		330	ug/L	66				10	109	
Benzaldehyde	500		96.1	ug/L	19				10	137	
Aniline	500		120	ug/L	24				10	130	
Phenol	500		390	ug/L	78				10	130	
bis(2-Chloroethyl)ether	500		370	ug/L	74				29	141	
2-Chlorophenol	500		440	ug/L	88				23	127	
1,2-Dichlorobenzene	500		420	ug/L	84				61	114	
1,3-Dichlorobenzene	500		440	ug/L	88				65	106	
1,4-Dichlorobenzene	500		440	ug/L	88				55	125	
Benzyl Alcohol	500		420	ug/L	84				31	94	
2-Methylphenol	500		380	ug/L	76				23	132	
2,2-oxybis(1-Chloropropane)	500		390	ug/L	78				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		440	ug/L	88				17	136	
N-Nitroso-di-n-propylamine	500		430	ug/L	86				36	147	
Hexachloroethane	500		490	ug/L	98				35	137	
Nitrobenzene	500		510	ug/L	102				40	134	
Isophorone	500		460	ug/L	92				39	146	
2-Nitrophenol	500		470	ug/L	94				30	148	
2,4-Dimethylphenol	500		370	ug/L	74				17	143	
bis(2-Chloroethoxy)methane	500		420	ug/L	84				39	143	
2,4-Dichlorophenol	500		480	ug/L	96				22	146	
1,2,4-Trichlorobenzene	500		440	ug/L	88				66	110	
Benzoic acid	500		480	ug/L	96				10	101	
Naphthalene	500		440	ug/L	88				17	157	
4-Chloroaniline	500		24.1	ug/L	5	*			10	95	
Hexachlorobutadiene	500		430	ug/L	86				52	125	
Caprolactam	500		510	ug/L	102				10	130	
4-Chloro-3-methylphenol	500		520	ug/L	104				17	148	
2-Methylnaphthalene	500		450	ug/L	90				38	146	
Hexachlorocyclopentadiene	1000		830	ug/L	83				20	153	
2,4,6-Trichlorophenol	500		480	ug/L	96				46	139	
2,4,5-Trichlorophenol	500		450	ug/L	90				42	129	
1,1-Biphenyl	500		420	ug/L	84				38	154	
2-Chloronaphthalene	500		440	ug/L	88				41	145	
2-Nitroaniline	500		490	ug/L	98				39	151	
Dimethylphthalate	500		480	ug/L	96				42	147	
Acenaphthylene	500		470	ug/L	94				40	141	
2,6-Dinitrotoluene	500		520	ug/L	104				43	148	
3-Nitroaniline	500		66.5	ug/L	13				10	111	
Acenaphthene	500		430	ug/L	86				37	146	
Total PAH	8000		7380	ug/L	92				37	146	
2,4-Dinitrophenol	1000		1100	ug/L	110				14	167	
4-Nitrophenol	1000		1100	ug/L	110				10	130	
Dibenzofuran	500		450	ug/L	90				41	145	
2,4-Dinitrotoluene	500		600	ug/L	120				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1120	ug/L	112				40	151	
Diethylphthalate	500		500	ug/L	100				41	148	
4-Chlorophenyl-phenylether	500		450	ug/L	90				38	149	
Fluorene	500		470	ug/L	94				39	144	
4-Nitroaniline	500		470	ug/L	94				27	138	
4,6-Dinitro-2-methylphenol	500		510	ug/L	102				32	175	
N-Nitrosodiphenylamine	500		430	ug/L	86				40	150	
Azobenzene	500		470	ug/L	94				72	112	
4-Bromophenyl-phenylether	500		450	ug/L	90				42	151	
Hexachlorobenzene	500		460	ug/L	92				60	129	
Atrazine	500		410	ug/L	82				20	162	
Pentachlorophenol	1000		970	ug/L	97				15	137	
Phenanthrene	500		450	ug/L	90				40	147	
Anthracene	500		460	ug/L	92				41	146	
Carbazole	500		480	ug/L	96				37	154	
Di-n-butylphthalate	500		490	ug/L	98				40	151	
Fluoranthene	500		470	ug/L	94				42	146	
Benzidine	1000		120	ug/L	12				10	130	
Pyrene	500		440	ug/L	88				41	149	
Butylbenzylphthalate	500		500	ug/L	100				39	155	
3,3-Dichlorobenzidine	500		130	ug/L	26				10	114	
Benzo(a)anthracene	500		460	ug/L	92				41	147	
Chrysene	500		450	ug/L	90				44	144	
bis(2-Ethylhexyl)phthalate	500		500	ug/L	100				33	160	
Di-n-octyl phthalate	500		530	ug/L	106				36	158	
Benzo(b)fluoranthene	500		490	ug/L	98				40	150	
Benzo(k)fluoranthene	500		460	ug/L	92				40	147	
Benzo(a)pyrene	500		470	ug/L	94				42	147	
Indeno(1,2,3-cd)pyrene	500		490	ug/L	98				30	166	
Dibenz(a,h)anthracene	500		470	ug/L	94				23	172	
Benzo(g,h,i)perylene	500		460	ug/L	92				27	167	
1,2,4,5-Tetrachlorobenzene	500		420	ug/L	84	*			89	102	
1,4-Dioxane	500		410	ug/L	82				38	130	
2,3,4,6-Tetrachlorophenol	500		510	ug/L	102				91	111	
1-Methylnaphthalene	500		450	ug/L	90				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1616-02MSD	Client Sample ID:	196-BAY-AVENUEMSD				DataFile:	BG060690.D			
n-Nitrosodimethylamine	500		460	ug/L	92	4			10	130	20
Pyridine	500		340	ug/L	68	3			10	109	20
Benzaldehyde	500		100	ug/L	20	5			10	137	20
Aniline	500		150	ug/L	30	22	*		10	130	20
Phenol	500		430	ug/L	86	10			10	130	20
bis(2-Chloroethyl)ether	500		410	ug/L	82	10			29	141	20
2-Chlorophenol	500		470	ug/L	94	7			23	127	20
1,2-Dichlorobenzene	500		460	ug/L	92	9			61	114	20
1,3-Dichlorobenzene	500		460	ug/L	92	4			65	106	20
1,4-Dichlorobenzene	500		480	ug/L	96	9			55	125	20
Benzyl Alcohol	500		470	ug/L	94	11			31	94	20
2-Methylphenol	500		430	ug/L	86	12			23	132	20
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84	7			36	141	20
Acetophenone	500		520	ug/L	104	2			31	164	20
3+4-Methylphenols	500		460	ug/L	92	4			17	136	20
N-Nitroso-di-n-propylamine	500		450	ug/L	90	5			36	147	20
Hexachloroethane	500		480	ug/L	96	2			35	137	20
Nitrobenzene	500		530	ug/L	106	4			40	134	20
Isophorone	500		520	ug/L	104	12			39	146	20
2-Nitrophenol	500		500	ug/L	100	6			30	148	20
2,4-Dimethylphenol	500		390	ug/L	78	5			17	143	20
bis(2-Chloroethoxy)methane	500		450	ug/L	90	7			39	143	20
2,4-Dichlorophenol	500		500	ug/L	100	4			22	146	20
1,2,4-Trichlorobenzene	500		470	ug/L	94	7			66	110	20
Benzoic acid	500		490	ug/L	98	2			10	101	20
Naphthalene	500		460	ug/L	92	4			17	157	20
4-Chloroaniline	500		28.5	ug/L	6	*	18		10	95	20
Hexachlorobutadiene	500		470	ug/L	94	9			52	125	20
Caprolactam	500		530	ug/L	106	4			10	130	20
4-Chloro-3-methylphenol	500		550	ug/L	110	6			17	148	20
2-Methylnaphthalene	500		470	ug/L	94	4			38	146	20
Hexachlorocyclopentadiene	1000		830	ug/L	83	0			20	153	20
2,4,6-Trichlorophenol	500		500	ug/L	100	4			46	139	20
2,4,5-Trichlorophenol	500		470	ug/L	94	4			42	129	20
1,1-Biphenyl	500		440	ug/L	88	5			38	154	20
2-Chloronaphthalene	500		460	ug/L	92	4			41	145	20
2-Nitroaniline	500		520	ug/L	104	6			39	151	20
Dimethylphthalate	500		510	ug/L	102	6			42	147	20
Acenaphthylene	500		490	ug/L	98	4			40	141	20
2,6-Dinitrotoluene	500		560	ug/L	112	7			43	148	20
3-Nitroaniline	500		80.1	ug/L	16	21	*		10	111	20
Acenaphthene	500		460	ug/L	92	7			37	146	20
Total PAH	8000		7710	ug/L	96	4			37	146	20
2,4-Dinitrophenol	1000		1200	ug/L	120	9			14	167	20
4-Nitrophenol	1000		1200	ug/L	120	9			10	130	20
Dibenzofuran	500		480	ug/L	96	6			41	145	20
2,4-Dinitrotoluene	500		650	ug/L	130	8			40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1210	ug/L	121		8		40	151	20
Diethylphthalate	500		520	ug/L	104		4		41	148	20
4-Chlorophenyl-phenylether	500		480	ug/L	96		6		38	149	20
Fluorene	500		500	ug/L	100		6		39	144	20
4-Nitroaniline	500		500	ug/L	100		6		27	138	20
4,6-Dinitro-2-methylphenol	500		550	ug/L	110		8		32	175	20
N-Nitrosodiphenylamine	500		430	ug/L	86		0		40	150	20
Azobenzene	500		500	ug/L	100		6		72	112	20
4-Bromophenyl-phenylether	500		460	ug/L	92		2		42	151	20
Hexachlorobenzene	500		470	ug/L	94		2		60	129	20
Atrazine	500		430	ug/L	86		5		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		3		15	137	20
Phenanthrene	500		460	ug/L	92		2		40	147	20
Anthracene	500		470	ug/L	94		2		41	146	20
Carbazole	500		510	ug/L	102		6		37	154	20
Di-n-butylphthalate	500		520	ug/L	104		6		40	151	20
Fluoranthene	500		500	ug/L	100		6		42	146	20
Benzidine	1000		95.1	ug/L	10		18		10	130	20
Pyrene	500		460	ug/L	92		4		41	149	20
Butylbenzylphthalate	500		530	ug/L	106		6		39	155	20
3,3-Dichlorobenzidine	500		130	ug/L	26		0		10	114	20
Benzo(a)anthracene	500		480	ug/L	96		4		41	147	20
Chrysene	500		470	ug/L	94		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		520	ug/L	104		4		33	160	20
Di-n-octyl phthalate	500		560	ug/L	112		6		36	158	20
Benzo(b)fluoranthene	500		510	ug/L	102		4		40	150	20
Benzo(k)fluoranthene	500		480	ug/L	96		4		40	147	20
Benzo(a)pyrene	500		490	ug/L	98		4		42	147	20
Indeno(1,2,3-cd)pyrene	500		510	ug/L	102		4		30	166	20
Dibenz(a,h)anthracene	500		500	ug/L	100		6		23	172	20
Benzo(g,h,i)perylene	500		470	ug/L	94		2		27	167	20
1,2,4,5-Tetrachlorobenzene	500		420	ug/L	84	*	0		89	102	20
1,4-Dioxane	500		420	ug/L	84		2		38	130	20
2,3,4,6-Tetrachlorophenol	500		540	ug/L	108		6		91	111	20
1-Methylnaphthalene	500		470	ug/L	94		4		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1803-01MS	Client Sample ID:	TRENCH-PITMS					DataFile:	BG060692.D		
n-Nitrosodimethylamine	1100		1000	ug/Kg	91				66	124	
Pyridine	1100		780	ug/Kg	71				45	119	
Benzaldehyde	1100		320	ug/Kg	29				26	163	
Aniline	1100		530	ug/Kg	48				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		900	ug/Kg	82				74	116	
2-Chlorophenol	1100		1100	ug/Kg	100				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1000	ug/Kg	91				47	126	
2-Methylphenol	1100		980	ug/Kg	89				66	122	
2,2-oxybis(1-Chloropropane)	1100		930	ug/Kg	85				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1100		990	ug/Kg	90				59	119	
Hexachloroethane	1100		1100	ug/Kg	100				65	117	
Nitrobenzene	1100		1100	ug/Kg	100				70	119	
Isophorone	1100		1100	ug/Kg	100				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		880	ug/Kg	80	*			83	144	
bis(2-Chloroethoxy)methane	1100		920	ug/Kg	84				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		1100	ug/Kg	100				50	104	
Naphthalene	1100		980	ug/Kg	89				72	110	
4-Chloroaniline	1100		350	ug/Kg	32				10	100	
Hexachlorobutadiene	1100		950	ug/Kg	86				66	114	
Caprolactam	1100		1200	ug/Kg	109				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		970	ug/Kg	88				59	123	
Hexachlorocyclopentadiene	2300		1800	ug/Kg	78				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		990	ug/Kg	90				72	117	
1,1-Biphenyl	1100		950	ug/Kg	86				75	113	
2-Chloronaphthalene	1100		990	ug/Kg	90				67	118	
2-Nitroaniline	1100		1100	ug/Kg	100				69	127	
Dimethylphthalate	1100		1000	ug/Kg	91				70	113	
Acenaphthylene	1100		1100	ug/Kg	100				79	118	
2,6-Dinitrotoluene	1100		1100	ug/Kg	100				70	125	
3-Nitroaniline	1100		620	ug/Kg	56				20	111	
Acenaphthene	1100		990	ug/Kg	90				70	121	
Total PAH	17600	2580	18670	ug/Kg	106				70	121	
2,4-Dinitrophenol	2300		2500	ug/Kg	109				16	160	
4-Nitrophenol	2300		2500	ug/Kg	109				45	133	
Dibenzofuran	1100		1000	ug/Kg	91				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2400	ug/Kg	109				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1100		1300	ug/Kg	118				55	128	
Diethylphthalate	1100		1000	ug/Kg	91				70	112	
4-Chlorophenyl-phenylether	1100		990	ug/Kg	90				71	108	
Fluorene	1100		1000	ug/Kg	91				68	116	
4-Nitroaniline	1100		1100	ug/Kg	100				55	120	
4,6-Dinitro-2-methylphenol	1100		1200	ug/Kg	109				32	145	
N-Nitrosodiphenylamine	1100		950	ug/Kg	86				73	118	
Azobenzene	1100		1000	ug/Kg	91				73	110	
4-Bromophenyl-phenylether	1100		990	ug/Kg	90				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1000	ug/Kg	91				79	127	
Pentachlorophenol	2300		2100	ug/Kg	91				47	128	
Phenanthrene	1100	390	1300	ug/Kg	83				72	113	
Anthracene	1100	0	1100	ug/Kg	100				62	124	
Carbazole	1100	54.8	1100	ug/Kg	95				59	119	
Di-n-butylphthalate	1100		1100	ug/Kg	100				69	118	
Fluoranthene	1100	560	1400	ug/Kg	76				59	125	
Benzidine	2300		1300	ug/Kg	57				10	119	
Pyrene	1100	400	1300	ug/Kg	82				52	128	
Butylbenzylphthalate	1100		1100	ug/Kg	100				64	126	
3,3-Dichlorobenzidine	1100		640	ug/Kg	58				10	164	
Benzo(a)anthracene	1100	200	1200	ug/Kg	91				71	114	
Chrysene	1100	220	1200	ug/Kg	89				57	121	
bis(2-Ethylhexyl)phthalate	1100		1200	ug/Kg	109				66	127	
Di-n-octyl phthalate	1100		1200	ug/Kg	109				71	126	
Benzo(b)fluoranthene	1100	270	1300	ug/Kg	94				67	121	
Benzo(k)fluoranthene	1100	110	1100	ug/Kg	90				74	114	
Benzo(a)pyrene	1100	190	1200	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1100	110	1200	ug/Kg	99				61	125	
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100				67	130	
Benzo(g,h,i)perylene	1100	130	1200	ug/Kg	97				53	140	
1,2,4,5-Tetrachlorobenzene	1100		940	ug/Kg	85				69	124	
1,4-Dioxane	1100		970	ug/Kg	88				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		970	ug/Kg	88				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Limits		RPD
		Result				Qual		Qual	Low	High	
Lab Sample ID:	P1803-01MSD	Client Sample ID:	TRENCH-PITMSD				DataFile:	BG060693.D			
n-Nitrosodimethylamine	1100		990	ug/Kg	90		1		66	124	20
Pyridine	1100		760	ug/Kg	69		3		45	119	20
Benzaldehyde	1100		300	ug/Kg	27		7		26	163	20
Aniline	1100		480	ug/Kg	44		9		10	88	20
Phenol	1100		1000	ug/Kg	91		9		67	126	20
bis(2-Chloroethyl)ether	1100		860	ug/Kg	78		5		74	116	20
2-Chlorophenol	1100		980	ug/Kg	89		12		61	138	20
1,2-Dichlorobenzene	1100		960	ug/Kg	87		4		61	105	20
1,3-Dichlorobenzene	1100		950	ug/Kg	86		6		62	101	20
1,4-Dichlorobenzene	1100		960	ug/Kg	87		4		63	104	20
Benzyl Alcohol	1100		960	ug/Kg	87		4		47	126	20
2-Methylphenol	1100		950	ug/Kg	86		3		66	122	20
2,2-oxybis(1-Chloropropane)	1100		880	ug/Kg	80		6		52	115	20
Acetophenone	1100		1000	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1100		1000	ug/Kg	91		9		53	132	20
N-Nitroso-di-n-propylamine	1100		950	ug/Kg	86		5		59	119	20
Hexachloroethane	1100		1100	ug/Kg	100		0		65	117	20
Nitrobenzene	1100		1100	ug/Kg	100		0		70	119	20
Isophorone	1100		1000	ug/Kg	91		9		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		9		54	145	20
2,4-Dimethylphenol	1100		860	ug/Kg	78	*	3		83	144	20
bis(2-Chloroethoxy)methane	1100		920	ug/Kg	84		0		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1100		980	ug/Kg	89		2		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		0		50	104	20
Naphthalene	1100		970	ug/Kg	88		1		72	110	20
4-Chloroaniline	1100		330	ug/Kg	30		6		10	100	20
Hexachlorobutadiene	1100		920	ug/Kg	84		2		66	114	20
Caprolactam	1100		1200	ug/Kg	109		0		51	134	20
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100		0		57	132	20
2-Methylnaphthalene	1100		950	ug/Kg	86		2		59	123	20
Hexachlorocyclopentadiene	2300		1600	ug/Kg	70		11		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		0		72	117	20
2,4,5-Trichlorophenol	1100		980	ug/Kg	89		1		72	117	20
1,1-Biphenyl	1100		920	ug/Kg	84		2		75	113	20
2-Chloronaphthalene	1100		960	ug/Kg	87		3		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		0		69	127	20
Dimethylphthalate	1100		980	ug/Kg	89		2		70	113	20
Acenaphthylene	1100		1000	ug/Kg	91		9		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100		590	ug/Kg	54		4		20	111	20
Acenaphthene	1100		960	ug/Kg	87		3		70	121	20
Total PAH	17600	2580	18130	ug/Kg	103		3		70	121	20
2,4-Dinitrophenol	2300		2500	ug/Kg	109		0		16	160	20
4-Nitrophenol	2300		2500	ug/Kg	109		0		45	133	20
Dibenzofuran	1100		990	ug/Kg	90		1		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2400	ug/Kg	109		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG032024

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	1100		1300	ug/Kg	118		0		55	128	20
Diethylphthalate	1100		1000	ug/Kg	91		0		70	112	20
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87		3		71	108	20
Fluorene	1100		1000	ug/Kg	91		0		68	116	20
4-Nitroaniline	1100		1100	ug/Kg	100		0		55	120	20
4,6-Dinitro-2-methylphenol	1100		1200	ug/Kg	109		0		32	145	20
N-Nitrosodiphenylamine	1100		940	ug/Kg	85		1		73	118	20
Azobenzene	1100		1000	ug/Kg	91		0		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		1		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		0		67	118	20
Atrazine	1100		1100	ug/Kg	100		9		79	127	20
Pentachlorophenol	2300		2100	ug/Kg	91		0		47	128	20
Phenanthrene	1100	390	1300	ug/Kg	83		0		72	113	20
Anthracene	1100	0	1000	ug/Kg	91		9		62	124	20
Carbazole	1100	54.8	1100	ug/Kg	95		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		9		69	118	20
Fluoranthene	1100	560	1400	ug/Kg	76		0		59	125	20
Benzidine	2300		1300	ug/Kg	57		0		10	119	20
Pyrene	1100	400	1300	ug/Kg	82		0		52	128	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		0		64	126	20
3,3-Dichlorobenzidine	1100		600	ug/Kg	55		5		10	164	20
Benzo(a)anthracene	1100	200	1200	ug/Kg	91		0		71	114	20
Chrysene	1100	220	1200	ug/Kg	89		0		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		9		66	127	20
Di-n-octyl phthalate	1100		1200	ug/Kg	109		0		71	126	20
Benzo(b)fluoranthene	1100	270	1200	ug/Kg	85		10		67	121	20
Benzo(k)fluoranthene	1100	110	1100	ug/Kg	90		0		74	114	20
Benzo(a)pyrene	1100	190	1200	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	110	1200	ug/Kg	99		0		61	125	20
Dibenz(a,h)anthracene	1100		1000	ug/Kg	91		9		67	130	20
Benzo(g,h,i)perylene	1100	130	1100	ug/Kg	88		10		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		930	ug/Kg	85		0		69	124	20
1,4-Dioxane	1100		920	ug/Kg	84		5		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		0		56	133	20
1-Methylnaphthalene	1100		970	ug/Kg	88		0		70	130	20



Surrogate Summary
SW-846

SDG No.: BG032024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1801-01	OR-03-031924	BG060696.D	2-Fluorophenol	150	68.95	46		18	112
			Phenol-d6	150	66.74	44		15	107
			Nitrobenzene-d5	100	51.28	51		18	107
			2-Fluorobiphenyl	100	47.67	48		20	109
			2,4,6-Tribromophenol	150	83.68	56		10	110
			Terphenyl-d14	100	49.64	50		14	112
P1803-01	TRENCH-PIT	BG060691.D	2-Fluorophenol	150	102.76	69		18	112
			Phenol-d6	150	110.39	74		15	107
			Nitrobenzene-d5	100	84.58	85		18	107
			2-Fluorobiphenyl	100	59.30	59		20	109
			2,4,6-Tribromophenol	150	139.45	93		10	110
			Terphenyl-d14	100	58.89	59		14	112
P1803-01MS	TRENCH-PITMS	BG060692.D	2-Fluorophenol	150	97.97	65		18	112
			Phenol-d6	150	113.99	76		15	107
			Nitrobenzene-d5	100	79.85	80		18	107
			2-Fluorobiphenyl	100	56.94	57		20	109
			2,4,6-Tribromophenol	150	132.98	89		10	110
			Terphenyl-d14	100	56.43	56		14	112
P1803-01MSD	TRENCH-PITMSD	BG060693.D	2-Fluorophenol	150	92.32	62		18	112
			Phenol-d6	150	106.87	71		15	107
			Nitrobenzene-d5	100	78.95	79		18	107
			2-Fluorobiphenyl	100	55.21	55		20	109
			2,4,6-Tribromophenol	150	126.59	84		10	110
			Terphenyl-d14	100	54.27	54		14	112
P1804-01	JC-03-03192024-A	BG060694.D	2-Fluorophenol	150	83.53	56		18	112
			Phenol-d6	150	85.25	57		15	107
			Nitrobenzene-d5	100	60.17	60		18	107
			2-Fluorobiphenyl	100	54.64	55		20	109
			2,4,6-Tribromophenol	150	95.76	64		10	110
			Terphenyl-d14	100	59.79	60		14	112
P1804-03	JC-03-03192024-B	BG060695.D	2-Fluorophenol	150	84.04	56		18	112
			Phenol-d6	150	80.27	54		15	107
			Nitrobenzene-d5	100	57.47	57		18	107
			2-Fluorobiphenyl	100	54.00	54		20	109
			2,4,6-Tribromophenol	150	93.25	62		10	110
			Terphenyl-d14	100	55.27	55		14	112
P1810-01	342	BG060697.D	2-Fluorophenol	150	51.05	34		18	112
			Phenol-d6	150	52.11	35		15	107
			Nitrobenzene-d5	100	43.53	44		18	107
			2-Fluorobiphenyl	100	42.48	42		20	109
			2,4,6-Tribromophenol	150	65.86	44		10	110
			Terphenyl-d14	100	44.49	44		14	112



Surrogate Summary
SW-846

SDG No.: BG032024

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1616-02	196-BAY-AVENUEBG060688.D		2-Fluorophenol	150	118.53	79		10	139
			Phenol-d6	150	108.52	72		10	134
			Nitrobenzene-d5	100	107.48	107		49	133
			2-Fluorobiphenyl	100	81.45	81		52	132
			2,4,6-Tribromophenol	150	162.39	108		32	145
			Terphenyl-d14	100	82.67	83		36	145
P1616-02MS	196-BAY-AVENUEBG060689.D		2-Fluorophenol	150	107.62	72		10	139
			Phenol-d6	150	112.60	75		10	134
			Nitrobenzene-d5	100	109.19	109		49	133
			2-Fluorobiphenyl	100	84.00	84		52	132
			2,4,6-Tribromophenol	150	176.85	118		32	145
			Terphenyl-d14	100	84.69	85		36	145
P1616-02MSD	196-BAY-AVENUEBG060690.D		2-Fluorophenol	150	115.62	77		10	139
			Phenol-d6	150	126.24	84		10	134
			Nitrobenzene-d5	100	111.30	111		49	133
			2-Fluorobiphenyl	100	86.71	87		52	132
			2,4,6-Tribromophenol	150	188.71	126		32	145
			Terphenyl-d14	100	88.19	88		36	145
PB159648TB	PB159648TB	BG060687.D	2-Fluorophenol	150	113.49	76		10	139
			Phenol-d6	150	127.90	85		10	134
			Nitrobenzene-d5	100	104.26	104		49	133
			2-Fluorobiphenyl	100	82.04	82		52	132
			2,4,6-Tribromophenol	150	154.09	103		32	145
			Terphenyl-d14	100	81.59	82		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG032024Lab Code: CHEMSAS No.: BG032024 SDG NO.: BG032024Lab File ID: BG060685.DDFTPP Injection Date: 03/20/2024Instrument ID: BNA_GDFTPP Injection Time: 10:23

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.5
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	44.8
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	7.1
275	10.0 - 60.0% of mass 198	28.6
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	85.6
443	15.0 - 24.0% of mass 442	16.2 (19) 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	BG060686.D	03/20/2024	11:05
PB159648TB	PB159648TB	BG060687.D	03/20/2024	11:47
196-BAY-AVENUE	P1616-02	BG060688.D	03/20/2024	12:33
196-BAY-AVENUEMS	P1616-02MS	BG060689.D	03/20/2024	13:13
196-BAY-AVENUEMSD	P1616-02MSD	BG060690.D	03/20/2024	13:54
TRENCH-PIT	P1803-01	BG060691.D	03/20/2024	14:35
TRENCH-PITMS	P1803-01MS	BG060692.D	03/20/2024	15:16
TRENCH-PITMSD	P1803-01MSD	BG060693.D	03/20/2024	15:56
JC-03-03192024-A	P1804-01	BG060694.D	03/20/2024	16:37
JC-03-03192024-B	P1804-03	BG060695.D	03/20/2024	17:18
OR-03-031924	P1801-01	BG060696.D	03/20/2024	17:58
342	P1810-01	BG060697.D	03/20/2024	18:39