

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG No.: BG121224

Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 09:32

Lab File ID: BG063659.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020562 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.604	0.686	0.010	13.5509	40.0
Benzaldehyde	1.130	1.398	0.010	23.7491	40.0
Pyridine	1.724	1.935	0.010	12.1967	40.0
Phenol	1.963	2.058	0.080	4.8252	20.0
Bis(2-Chloroethyl)ether	1.502	1.564	0.100	4.1528	20.0
2-Chlorophenol	1.207	1.278	0.200	5.8411	20.0
2-Methylphenol	1.419	1.457	0.010	2.7062	20.0
2,2-oxybis(1-Chloropropane)	2.230	2.313	0.010	3.7417	40.0
Acetophenone	2.426	2.574	0.060	6.1093	20.0
4-Methylphenol	1.553	1.650	0.010	6.2356	20.0
N-Nitroso-di-n-propylamine	1.447	1.472	0.050	1.7096	30.0
Hexachloroethane	0.593	0.614	0.100	3.4865	20.0
Nitrobenzene	0.477	0.517	0.050	8.4193	25.0
Isophorone	0.901	0.962	0.050	6.8216	25.0
2-Nitrophenol	0.165	0.174	0.050	5.9287	25.0
2,4-Dimethylphenol	0.373	0.399	0.050	6.7529	25.0
Bis(2-Chloroethoxy)methane	0.487	0.532	0.050	9.0653	20.0
2,4-Dichlorophenol	0.308	0.335	0.060	8.7972	20.0
Naphthalene	1.000	1.081	0.200	8.1033	20.0
4-Chloroaniline	0.374	0.396	0.010	5.7248	40.0
Hexachlorobutadiene	0.250	0.282	0.040	12.6263	30.0
Caprolactam	0.106	0.111	0.010	4.2558	40.0
4-Chloro-3-methylphenol	0.362	0.387	0.040	7.0001	25.0
1-Methylnaphthalene	0.732	0.786	0.100	7.3936	20.0
2-Methylnaphthalene	0.719	0.758	0.100	5.4624	20.0
Hexachlorocyclopentadiene	0.253	0.232	0.010	-8.4098	40.0
2,4,6-Trichlorophenol	0.362	0.369	0.090	1.9409	25.0
2,4,5-Trichlorophenol	0.378	0.393	0.100	4.1532	25.0
1,1-Biphenyl	1.319	1.442	0.200	9.3126	20.0
2-Chloronaphthalene	1.059	1.163	0.300	9.841	20.0
2-Nitroaniline	0.355	0.375	0.050	5.5941	40.0
Dimethylphthalate	1.364	1.515	0.300	11.0871	20.0
2,6-Dinitrotoluene	0.253	0.284	0.080	12.1704	30.0
Acenaphthylene	1.663	1.858	0.400	11.7059	20.0
3-Nitroaniline	0.234	0.256	0.010	9.3791	40.0
Acenaphthene	1.179	1.291	0.200	9.5218	20.0
2,4-Dinitrophenol	0.129	0.101	0.010	-22.2641	40.0
4-Nitrophenol	0.200	0.198	0.010	-1.0847	40.0
Dibenzofuran	1.662	1.863	0.300	12.0506	20.0

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Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 09:32

Lab File ID: BG063659.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020562 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.376	0.434	0.070	15.2949	30.0
Diethylphthalate	1.319	1.470	0.300	11.5009	20.0
Fluorene	1.327	1.519	0.200	14.4179	20.0
4-Chlorophenyl-phenylether	0.739	0.818	0.100	10.5669	20.0
4-Nitroaniline	0.234	0.255	0.010	8.9296	40.0
4,6-Dinitro-2-methylphenol	0.107	0.108	0.010	1.0069	40.0
N-Nitrosodiphenylamine	0.484	0.527	0.050	8.9125	20.0
1,2,4,5-Tetrachlorobenzene	0.640	0.695	0.100	8.5358	20.0
4-Bromophenyl-phenylether	0.204	0.222	0.070	9.0882	20.0
Hexachlorobenzene	0.228	0.247	0.050	8.3749	25.0
Atrazine	0.205	0.224	0.010	9.4656	25.0
Pentachlorophenol	0.096	0.086	0.010	-10.6976	40.0
Phenanthrene	0.964	1.069	0.200	10.9341	20.0
Pentachlorobenzene	0.264	0.278	0.050	5.1958	20.0
Anthracene	0.975	1.097	0.200	12.4762	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.286	0.050	7.2891	20.0
Carbazole	0.790	0.939	0.050	18.9489	40.0
Di-n-butylphthalate	0.954	1.028	0.500	7.8486	25.0
Fluoranthene	1.183	1.390	0.400	17.5145	25.0
Pyrene	1.259	1.505	0.400	19.5646	25.0
Butylbenzylphthalate	0.386	0.401	0.100	3.715	40.0
3,3-Dichlorobenzidine	0.361	0.398	0.010	10.1007	40.0
Benzo (a) anthracene	1.253	1.405	0.300	12.0898	30.0
Chrysene	1.195	1.339	0.200	12.0466	30.0
Bis (2-ethylhexyl) phthalate	0.562	0.589	0.200	4.7674	40.0
Di-n-octyl phthalate	0.863	0.969	0.010	12.2676	40.0
Benzo (b) fluoranthene	1.137	1.262	0.200	11.0322	25.0
Benzo (k) fluoranthene	1.134	1.316	0.200	16.0867	25.0
Benzo (a) pyrene	1.067	1.230	0.200	15.2403	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.484	0.200	13.9156	25.0
Dibenzo (a,h) anthracene	1.043	1.171	0.200	12.2847	30.0
Benzo (g,h,i) perylene	1.034	1.136	0.200	9.8482	30.0
2,3,4,6-Tetrachlorophenol	0.326	0.360	0.040	10.6359	20.0
1,4-Dioxane-d8	0.510	0.592	0.010	16.0224	25.0
Pyridine-d5	1.610	1.833	0.010	13.8536	40.0
Phenol-d5	1.842	1.937	0.010	5.1587	25.0
Bis- (2-Chloroethyl) ether-d8	1.272	1.335	0.050	4.9443	25.0
2-Chlorophenol-d4	1.193	1.236	0.200	3.6753	20.0
4-Methylphenol-d8	1.430	1.446	0.010	1.1431	20.0

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG No.: BG121224

Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 09:32

Lab File ID: BG063659.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020562 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.142	0.050	-0.333	20.0
2-Nitrophenol-d4	0.160	0.168	0.050	5.0637	30.0
2,4-Dichlorophenol-d3	0.310	0.336	0.060	8.3397	20.0
4-Chloroaniline-d4	0.394	0.403	0.010	2.4239	40.0
Dimethylphthalate-d6	1.361	1.509	0.300	10.9175	20.0
Acenaphthylene-d8	1.551	1.733	0.400	11.7402	20.0
4-Nitrophenol-d4	0.193	0.184	0.010	-4.7448	40.0
Fluorene-d10	1.203	1.354	0.100	12.5552	20.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.102	0.010	-1.7753	40.0
Anthracene-d10	0.860	0.966	0.300	12.3754	20.0
Pyrene-d10	1.041	1.211	0.300	16.3574	25.0
Benzo(a)pyrene-d12	0.939	1.065	0.010	13.3645	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG No.: BG121224
Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 16:10
Lab File ID: BG063669.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020563 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.604	0.558	0.010	-7.5649	50.0
Benzaldehyde	1.130	1.341	0.010	18.7218	50.0
Pyridine	1.724	1.657	0.010	-3.8916	50.0
Phenol	1.963	2.083	0.080	6.102	50.0
Bis(2-Chloroethyl)ether	1.502	1.556	0.100	3.5748	50.0
2-Chlorophenol	1.207	1.309	0.200	8.4138	50.0
2-Methylphenol	1.419	1.576	0.010	11.0582	50.0
2,2-oxybis(1-Chloropropane)	2.230	2.469	0.010	10.7273	50.0
Acetophenone	2.426	2.753	0.060	13.4996	50.0
4-Methylphenol	1.553	1.760	0.010	13.3573	50.0
N-Nitroso-di-n-propylamine	1.447	1.596	0.050	10.2614	50.0
Hexachloroethane	0.593	0.627	0.100	5.7341	50.0
Nitrobenzene	0.477	0.522	0.050	9.389	50.0
Isophorone	0.901	1.021	0.050	13.2742	50.0
2-Nitrophenol	0.165	0.196	0.050	19.114	50.0
2,4-Dimethylphenol	0.373	0.426	0.050	14.1917	50.0
Bis(2-Chloroethoxy)methane	0.487	0.534	0.050	9.597	50.0
2,4-Dichlorophenol	0.308	0.353	0.060	14.5074	50.0
Naphthalene	1.000	1.094	0.200	9.408	50.0
4-Chloroaniline	0.374	0.441	0.010	17.8938	50.0
Hexachlorobutadiene	0.250	0.251	0.040	0.1783	50.0
Caprolactam	0.106	0.130	0.010	21.853	50.0
4-Chloro-3-methylphenol	0.362	0.433	0.040	19.797	50.0
1-Methylnaphthalene	0.732	0.848	0.100	15.8577	50.0
2-Methylnaphthalene	0.719	0.823	0.100	14.4499	50.0
Hexachlorocyclopentadiene	0.253	0.145	0.010	-42.6347	50.0
2,4,6-Trichlorophenol	0.362	0.424	0.090	17.2851	50.0
2,4,5-Trichlorophenol	0.378	0.455	0.100	20.4058	50.0
1,1-Biphenyl	1.319	1.457	0.200	10.4937	50.0
2-Chloronaphthalene	1.059	1.153	0.300	8.9031	50.0
2-Nitroaniline	0.355	0.420	0.050	18.5056	50.0
Dimethylphthalate	1.364	1.586	0.300	16.258	50.0
2,6-Dinitrotoluene	0.253	0.297	0.080	17.1788	50.0
Acenaphthylene	1.663	1.875	0.400	12.7022	50.0
3-Nitroaniline	0.234	0.301	0.010	28.4641	50.0
Acenaphthene	1.179	1.287	0.200	9.1363	50.0
2,4-Dinitrophenol	0.129	0.125	0.010	-3.6723	50.0
4-Nitrophenol	0.200	0.232	0.010	15.7403	50.0
Dibenzofuran	1.662	1.858	0.300	11.7806	50.0

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG No.: BG121224

Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 16:10

Lab File ID: BG063669.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020563 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.376	0.433	0.070	15.0724	50.0
Diethylphthalate	1.319	1.537	0.300	16.5664	50.0
Fluorene	1.327	1.519	0.200	14.4097	50.0
4-Chlorophenyl-phenylether	0.739	0.807	0.100	9.1279	50.0
4-Nitroaniline	0.234	0.309	0.010	31.9847	50.0
4,6-Dinitro-2-methylphenol	0.107	0.109	0.010	1.9653	50.0
N-Nitrosodiphenylamine	0.484	0.559	0.050	15.4241	50.0
1,2,4,5-Tetrachlorobenzene	0.640	0.641	0.100	0.1895	50.0
4-Bromophenyl-phenylether	0.204	0.214	0.070	4.8398	50.0
Hexachlorobenzene	0.228	0.241	0.050	5.751	50.0
Atrazine	0.205	0.238	0.010	16.3843	50.0
Pentachlorophenol	0.096	0.105	0.010	9.3203	50.0
Phenanthrene	0.964	1.084	0.200	12.4605	50.0
Pentachlorobenzene	0.264	0.271	0.050	2.6814	50.0
Anthracene	0.975	1.124	0.200	15.2467	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.269	0.050	0.7874	50.0
Carbazole	0.790	0.984	0.050	24.6025	50.0
Di-n-butylphthalate	0.954	1.179	0.500	23.6558	50.0
Fluoranthene	1.183	1.442	0.400	21.9276	50.0
Pyrene	1.259	1.525	0.400	21.1872	50.0
Butylbenzylphthalate	0.386	0.547	0.100	41.5936	50.0
3,3-Dichlorobenzidine	0.361	0.461	0.010	27.7822	50.0
Benzo (a) anthracene	1.253	1.426	0.300	13.7452	50.0
Chrysene	1.195	1.359	0.200	13.7954	50.0
Bis(2-ethylhexyl)phthalate	0.562	0.813	0.200	44.6804	50.0
Di-n-octyl phthalate	0.863	1.241	0.010	43.7229	50.0
Benzo (b) fluoranthene	1.137	1.225	0.200	7.7565	50.0
Benzo (k) fluoranthene	1.134	1.265	0.200	11.5715	50.0
Benzo (a) pyrene	1.067	1.193	0.200	11.8465	50.0
Indeno (1,2,3-cd) pyrene	1.303	1.486	0.200	14.0657	50.0
Dibenzo (a,h) anthracene	1.043	1.236	0.200	18.5587	50.0
Benzo (g,h,i) perylene	1.034	1.166	0.200	12.7387	50.0
2,3,4,6-Tetrachlorophenol	0.326	0.380	0.040	16.605	50.0
1,4-Dioxane-d8	0.510	0.472	0.010	-7.5865	50.0
Pyridine-d5	1.610	1.622	0.010	0.7212	50.0
Phenol-d5	1.842	1.926	0.010	4.5368	50.0
Bis- (2-Chloroethyl) ether-d8	1.272	1.230	0.050	-3.3462	50.0
2-Chlorophenol-d4	1.193	1.273	0.200	6.7215	50.0
4-Methylphenol-d8	1.430	1.613	0.010	12.8236	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG No.: BG121224

Instrument ID: BNA_G Calibration Date/Time: 12/12/2024 : 16:10

Lab File ID: BG063669.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020563 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.159	0.050	11.618	50.0
2-Nitrophenol-d4	0.160	0.190	0.050	18.9937	50.0
2,4-Dichlorophenol-d3	0.310	0.359	0.060	15.8681	50.0
4-Chloroaniline-d4	0.394	0.474	0.010	20.3311	50.0
Dimethylphthalate-d6	1.361	1.560	0.300	14.6617	50.0
Acenaphthylene-d8	1.551	1.758	0.400	13.3003	50.0
4-Nitrophenol-d4	0.193	0.234	0.010	21.2953	50.0
Fluorene-d10	1.203	1.355	0.100	12.6124	50.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.104	0.010	0.2221	50.0
Anthracene-d10	0.860	0.966	0.300	12.3333	50.0
Pyrene-d10	1.041	1.221	0.300	17.2946	50.0
Benzo(a)pyrene-d12	0.939	1.055	0.010	12.3226	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	SBLK481	SDG No.:	BG121224
Lab Sample ID:	PB165481BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063660.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	27	U	27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	58	U	58	82.5	330	ug/Kg
110-86-1	Pyridine	77	U	77	170	330	ug/Kg
108-95-2	Phenol	30	U	30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	29	U	29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	31	U	31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	82.5	330	ug/Kg
98-86-2	Acetophenone	66	U	66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	53	U	53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	79	U	79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	61	U	61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	64	U	64	42.5	170	ug/Kg
78-59-1	Isophorone	66	U	66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	38	U	38	42.5	170	ug/Kg
91-20-3	Naphthalene	24	U	24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	36	U	36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.5	170	ug/Kg
105-60-2	Caprolactam	64	U	64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	24	U	24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	32	U	32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24	U	24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33	U	33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	SBLK481	SDG No.:	BG121224
Lab Sample ID:	PB165481BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063660.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	26	U	26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	33	U	33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	45	U	45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	30	U	30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	20	U	20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	29	U	29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	66	U	66	82.5	330	ug/Kg
83-32-9	Acenaphthene	26	U	26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	27	U	27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	33	U	33	42.5	170	ug/Kg
86-73-7	Fluorene	27	U	27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	24	U	24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	38	U	38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	24	U	24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34	U	34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	26	U	26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	28	U	28	42.5	170	ug/Kg
1912-24-9	Atrazine	28	U	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	82.5	330	ug/Kg
85-01-8	Phenanthrene	27	U	27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	37	U	37	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	17	U	17	42.5	170	ug/Kg
86-74-8	Carbazole	34	U	34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	27	U	27	42.5	170	ug/Kg
206-44-0	Fluoranthene	19	U	19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	SBLK481	SDG No.:	BG121224
Lab Sample ID:	PB165481BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063660.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.408		15-120		80	SPK: -8
7291-22-7	Pyridine-d5	28.211		20-120		71	SPK: -40
4165-62-2	Phenol-d5	27.613		10-130		69	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.51		10-150		66	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.474		15-120		71	SPK: -40
190780-66-6	4-Methylphenol-d8	26.207		10-140		66	SPK: -40
4165-60-0	Nitrobenzene-d5	26.748		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.869		10-120		67	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.046		10-140		70	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.501		1-145		64	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.483		10-145		74	SPK: -40
93951-97-4	Acenaphthylene-d8	29.168		15-120		73	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.359		10-150		53	SPK: -40
81103-79-9	Fluorene-d10	29.897		20-140		75	SPK: -40

Report of Analysis

Client:		Date Collected:	12/9/2024 12:00:00 AM
Project:		Date Received:	12/9/2024 12:00:00 AM
Client Sample ID:	SBLK481	SDG No.:	BG121224
Lab Sample ID:	PB165481BL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063660.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.32		10-130		51	SPK: -40
1719-06-8	Anthracene-d10	28.874		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	29.134		10-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.682		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125144	7.811				
1146-65-2	Naphthalene-d8	493363	10.596				
15067-26-2	Acenaphthene-d10	372692	14.45				
1517-22-2	Phenanthrene-d10	928603	17.2				
1719-03-5	Chrysene-d12	983267	21.454				
1520-96-3	Perylene-d12	1080163	24.468				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P8	SDG No.:	BG121224
Lab Sample ID:	P5153-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	27.8
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BG063661.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	37	U	37	9.1	92	ug/Kg
100-52-7	Benzaldehyde	80	U	80	110	460	ug/Kg
110-86-1	Pyridine	110	U	110	230	460	ug/Kg
108-95-2	Phenol	95	J	42	110	460	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	110	460	ug/Kg
95-57-8	2-Chlorophenol	39	U	39	58.9	240	ug/Kg
95-48-7	2-Methylphenol	43	U	43	110	460	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	55	U	55	110	460	ug/Kg
98-86-2	Acetophenone	91	U	91	110	460	ug/Kg
106-44-5	4-Methylphenol	73	U	73	110	460	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	110	U	110	58.9	240	ug/Kg
67-72-1	Hexachloroethane	84	U	84	58.9	240	ug/Kg
98-95-3	Nitrobenzene	89	U	89	58.9	240	ug/Kg
78-59-1	Isophorone	91	U	91	58.9	240	ug/Kg
88-75-5	2-Nitrophenol	83	U	83	58.9	240	ug/Kg
105-67-9	2,4-Dimethylphenol	44	U	44	58.9	240	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	62	U	62	58.9	240	ug/Kg
120-83-2	2,4-Dichlorophenol	53	U	53	58.9	240	ug/Kg
91-20-3	Naphthalene	33	U	33	58.9	240	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	58.9	460	ug/Kg
87-68-3	Hexachlorobutadiene	48	U	48	58.9	240	ug/Kg
105-60-2	Caprolactam	89	U	89	110	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57	U	57	58.9	240	ug/Kg
90-12-0	1-Methylnaphthalene	33	U	33	58.9	240	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	58.9	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	110	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	33	U	33	58.9	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46	U	46	58.9	240	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P8	SDG No.:	BG121224
Lab Sample ID:	P5153-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	27.8
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063661.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	36	U	36	58.9	240	ug/Kg
91-58-7	2-Chloronaphthalene	46	U	46	58.9	240	ug/Kg
88-74-4	2-Nitroaniline	62	U	62	58.9	240	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	58.9	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	28	U	28	58.9	240	ug/Kg
208-96-8	Acenaphthylene	40	U	40	58.9	240	ug/Kg
99-09-2	3-Nitroaniline	91	U	91	110	460	ug/Kg
83-32-9	Acenaphthene	36	U	36	58.9	240	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	110	460	ug/Kg
100-02-7	4-Nitrophenol	61	U	61	110	460	ug/Kg
132-64-9	Dibenzofuran	37	U	37	58.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	48	U	48	58.9	240	ug/Kg
84-66-2	Diethylphthalate	46	U	46	58.9	240	ug/Kg
86-73-7	Fluorene	37	U	37	58.9	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28	U	28	58.9	240	ug/Kg
100-01-6	4-Nitroaniline	33	U	33	110	460	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	53	U	53	110	460	ug/Kg
86-30-6	N-Nitrosodiphenylamine	33	U	33	58.9	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	47	U	47	58.9	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	36	U	36	58.9	240	ug/Kg
118-74-1	Hexachlorobenzene	39	U	39	58.9	240	ug/Kg
1912-24-9	Atrazine	39	U	39	110	460	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	110	460	ug/Kg
85-01-8	Phenanthrene	37	U	37	58.9	240	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	58.9	240	ug/Kg
120-12-7	Anthracene	35	U	35	58.9	240	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	24	U	24	58.9	240	ug/Kg
86-74-8	Carbazole	47	U	47	110	460	ug/Kg
84-74-2	Di-n-butylphthalate	37	U	37	58.9	240	ug/Kg
206-44-0	Fluoranthene	26	U	26	110	240	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P8	SDG No.:	BG121224
Lab Sample ID:	P5153-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	27.8
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063661.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	25	U	25	58.9	240	ug/Kg
85-68-7	Butylbenzylphthalate	30	U	30	58.9	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	72	U	72	110	460	ug/Kg
56-55-3	Benzo(a)anthracene	32	U	32	58.9	240	ug/Kg
218-01-9	Chrysene	33	U	33	58.9	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	35	U	35	58.9	240	ug/Kg
117-84-0	Di-n-octyl phthalate	66	U	66	110	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	U	51	58.9	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	58.9	240	ug/Kg
50-32-8	Benzo(a)pyrene	43	U	43	58.9	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39	U	39	58.9	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	36	U	36	58.9	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	44	U	44	58.9	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50	U	50	58.9	240	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.385		15-120		42	SPK: -8
7291-22-7	Pyridine-d5	16.605		20-120		42	SPK: -40
4165-62-2	Phenol-d5	18.063		10-130		45	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	17.908		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.13		15-120		45	SPK: -40
190780-66-6	4-Methylphenol-d8	15.959		10-140		40	SPK: -40
4165-60-0	Nitrobenzene-d5	17.487		10-135		44	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.628		10-120		44	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.667		10-140		44	SPK: -40
191656-33-4	4-Chloroaniline-d4	10.993		1-145		27	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.431		10-145		46	SPK: -40
93951-97-4	Acenaphthylene-d8	18.8		15-120		47	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.508		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	17.495		20-140		44	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P8	SDG No.:	BG121224
Lab Sample ID:	P5153-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	27.8
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063661.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.781		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	17.032		10-150		43	SPK: -40
1718-52-1	Pyrene-d10	15.139		10-130		38	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	12.537		10-140		31	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	167412	7.812				
1146-65-2	Naphthalene-d8	707784	10.597				
15067-26-2	Acenaphthene-d10	489075	14.445				
1517-22-2	Phenanthrene-d10	1089528	17.201				
1719-03-5	Chrysene-d12	1107474	21.449				
1520-96-3	Perylene-d12	1201780	24.469				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	200	J			15.809	
000373-49-9	Palmitoleic acid	330	J			18.047	
000544-63-8	Tetradecanoic acid	260	J			18.106	
000506-52-5	1-Hexacosanol	290	J			21.114	
	(DEL) Alkane: Straight-Chain	460	J			23.593	
E966796	Total Alkanes	460				99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3	SDG No.:	BG121224
Lab Sample ID:	P5153-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063662.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	7.3	74	ug/Kg
100-52-7	Benzaldehyde	64	U	64	91.6	370	ug/Kg
110-86-1	Pyridine	85	U	85	180	370	ug/Kg
108-95-2	Phenol	53	J	33	91.6	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	32	U	32	91.6	370	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	47.2	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	91.6	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	91.6	370	ug/Kg
98-86-2	Acetophenone	73	U	73	91.6	370	ug/Kg
106-44-5	4-Methylphenol	59	U	59	91.6	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	88	U	88	47.2	190	ug/Kg
67-72-1	Hexachloroethane	68	U	68	47.2	190	ug/Kg
98-95-3	Nitrobenzene	71	U	71	47.2	190	ug/Kg
78-59-1	Isophorone	73	U	73	47.2	190	ug/Kg
88-75-5	2-Nitrophenol	67	U	67	47.2	190	ug/Kg
105-67-9	2,4-Dimethylphenol	36	U	36	47.2	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	50	U	50	47.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	42	U	42	47.2	190	ug/Kg
91-20-3	Naphthalene	650		27	47.2	190	ug/Kg
106-47-8	4-Chloroaniline	40	U	40	47.2	370	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	47.2	190	ug/Kg
105-60-2	Caprolactam	71	U	71	91.6	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	46	U	46	47.2	190	ug/Kg
90-12-0	1-Methylnaphthalene	520		27	47.2	190	ug/Kg
91-57-6	2-Methylnaphthalene	700		36	47.2	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	91.6	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	27	U	27	47.2	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	37	U	37	47.2	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3	SDG No.:	BG121224
Lab Sample ID:	P5153-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063662.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	100	J	29	47.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	37	U	37	47.2	190	ug/Kg
88-74-4	2-Nitroaniline	50	U	50	47.2	190	ug/Kg
131-11-3	Dimethylphthalate	33	U	33	47.2	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	22	U	22	47.2	190	ug/Kg
208-96-8	Acenaphthylene	32	U	32	47.2	190	ug/Kg
99-09-2	3-Nitroaniline	73	U	73	91.6	370	ug/Kg
83-32-9	Acenaphthene	1000		29	47.2	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	91.6	370	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	91.6	370	ug/Kg
132-64-9	Dibenzofuran	590		30	47.2	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	47.2	190	ug/Kg
84-66-2	Diethylphthalate	37	U	37	47.2	190	ug/Kg
86-73-7	Fluorene	800		30	47.2	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	22	U	22	47.2	190	ug/Kg
100-01-6	4-Nitroaniline	27	U	27	91.6	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	42	U	42	91.6	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	27	U	27	47.2	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	38	U	38	47.2	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29	U	29	47.2	190	ug/Kg
118-74-1	Hexachlorobenzene	31	U	31	47.2	190	ug/Kg
1912-24-9	Atrazine	31	U	31	91.6	370	ug/Kg
87-86-5	Pentachlorophenol	98	U	98	91.6	370	ug/Kg
85-01-8	Phenanthrene	4800	E	30	47.2	190	ug/Kg
608-93-5	Pentachlorobenzene	41	U	41	47.2	190	ug/Kg
120-12-7	Anthracene	1800		28	47.2	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	19	U	19	47.2	190	ug/Kg
86-74-8	Carbazole	860		38	91.6	370	ug/Kg
84-74-2	Di-n-butylphthalate	51	J	30	47.2	190	ug/Kg
206-44-0	Fluoranthene	5700	E	21	91.6	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3	SDG No.:	BG121224
Lab Sample ID:	P5153-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063662.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	5200	E	20	47.2	190	ug/Kg
85-68-7	Butylbenzylphthalate	24	U	24	47.2	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	58	U	58	91.6	370	ug/Kg
56-55-3	Benzo(a)anthracene	4200	E	26	47.2	190	ug/Kg
218-01-9	Chrysene	4500	E	27	47.2	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	55	J	28	47.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	53	U	53	91.6	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	5700	E	41	47.2	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400		42	47.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	4700	E	34	47.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2900		31	47.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	880		29	47.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3600	E	36	47.2	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40	U	40	47.2	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.515		15-120		56	SPK: -8
7291-22-7	Pyridine-d5	21.28		20-120		53	SPK: -40
4165-62-2	Phenol-d5	25.36		10-130		63	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.566		10-150		64	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.46		15-120		64	SPK: -40
190780-66-6	4-Methylphenol-d8	24.605		10-140		62	SPK: -40
4165-60-0	Nitrobenzene-d5	27.677		10-135		69	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.449		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	24.521		10-140		61	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.231		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.875		10-145		67	SPK: -40
93951-97-4	Acenaphthylene-d8	28.666		15-120		72	SPK: -40
93951-79-2	4-Nitrophenol-d4	7.295		10-150		18	SPK: -40
81103-79-9	Fluorene-d10	26.776		20-140		67	SPK: -40

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3	SDG No.:	BG121224
Lab Sample ID:	P5153-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063662.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	1.9	*	10-130		5	SPK: -40
1719-06-8	Anthracene-d10	28.923		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	25.951		10-130		65	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.657		10-140		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	194333	7.812				
1146-65-2	Naphthalene-d8	777369	10.602				
15067-26-2	Acenaphthene-d10	534947	14.451				
1517-22-2	Phenanthrene-d10	1101332	17.206				
1719-03-5	Chrysene-d12	1073951	21.466				
1520-96-3	Perylene-d12	1250602	24.492				
TENTATIVE IDENTIFIED COMPOUNDS							
	(DEL) Alkane: Cyclic3.546	180	J			3.546	
000526-73-8	Benzene, 1,2,3-trimethyl-	330	J			7.465	
	(DEL) Alkane: Straight-Chain12.024	160	J			12.024	
000575-43-9	Naphthalene, 1,6-dimethyl-	140	J			13.611	
000581-40-8	Naphthalene, 2,3-dimethyl-	300	J			13.769	
	(DEL) Alkane: Straight-Chain13.934	150	J			13.934	
000575-37-1	Naphthalene, 1,7-dimethyl-	140	J			14.004	
	(DEL) Alkane: Straight-Chain14.351	150	J			14.351	
002131-42-2	Naphthalene, 1,4,6-trimethyl-	100	J			14.927	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	96	J			15.074	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	190	J			15.244	
	(DEL) Alkane: Straight-Chain15.303	150	J			15.303	
	(DEL) Alkane: Straight-Chain15.714	150	J			15.714	
000119-61-9	Benzophenone	790	J			15.808	
000229-95-8	6H-Dibenzo[b,d]-pyran	350	J			15.943	
007320-53-8	Dibenzofuran, 4-methyl-	150	J			16.031	
	(DEL) Alkane: Straight-Chain16.190	920	J			16.19	

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3	SDG No.:	BG121224
Lab Sample ID:	P5153-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063662.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000490-65-3	Naphthalene, 1-methyl-7-(1-methyle	190	J			16.742	
000486-25-9	9H-Fluoren-9-one	220	J			16.86	
002141-42-6	Anthracene, 1,2,3,4-tetrahydro-	670	J			16.96	
000132-65-0	Dibenzothiophene	450	J			17.019	
	(DEL) Alkane: Straight-Chain17.700	310	J			17.7	
000610-48-0	Anthracene, 1-methyl-	540	J			18.082	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	J			18.276	
000612-94-2	Naphthalene, 2-phenyl-	520	J			18.581	
000084-65-1	9,10-Anthracenedione	370	J			18.628	
003674-69-9	Phenanthrene, 4,5-dimethyl-	110	J			18.828	
003674-66-6	Phenanthrene, 2,5-dimethyl-	260	J			18.999	
005737-13-3	Cyclopenta(def)phenanthrenone	330	J			19.151	
002381-21-7	Pyrene, 1-methyl-	110	J			19.956	
000243-17-4	11H-Benzo[b]fluorene	230	J			20.133	
000238-84-6	11H-Benzo[a]fluorene	200	J			20.227	
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	390	J			20.602	
022108-55-0	Anthra(2,3-b)thiophene	94	J			21.055	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	190	J			21.648	
000205-25-4	7H-Benzo[c]carbazole	120	J			21.842	
000192-97-2	Benzo[e]pyrene	130	J			23.775	
000198-55-0	Perylene	440	J			24.222	
E966796	Total Alkanes	2200				99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P9	SDG No.:	BG121224
Lab Sample ID:	P5153-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BG063663.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8.1	82	ug/Kg
100-52-7	Benzaldehyde	71	U	71	100	400	ug/Kg
110-86-1	Pyridine	94	U	94	200	400	ug/Kg
108-95-2	Phenol	85	J	37	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	36	U	36	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	52	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	49	U	49	100	400	ug/Kg
98-86-2	Acetophenone	81	U	81	100	400	ug/Kg
106-44-5	4-Methylphenol	65	U	65	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	97	U	97	52	210	ug/Kg
67-72-1	Hexachloroethane	75	U	75	52	210	ug/Kg
98-95-3	Nitrobenzene	78	U	78	52	210	ug/Kg
78-59-1	Isophorone	81	U	81	52	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	52	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	52	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	52	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	52	210	ug/Kg
91-20-3	Naphthalene	29	U	29	52	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	52	400	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	52	210	ug/Kg
105-60-2	Caprolactam	78	U	78	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	52	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	52	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	52	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	52	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	52	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P9	SDG No.:	BG121224
Lab Sample ID:	P5153-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063663.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	52	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	52	210	ug/Kg
88-74-4	2-Nitroaniline	55	U	55	52	210	ug/Kg
131-11-3	Dimethylphthalate	37	U	37	52	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	52	210	ug/Kg
208-96-8	Acenaphthylene	36	U	36	52	210	ug/Kg
99-09-2	3-Nitroaniline	81	U	81	100	400	ug/Kg
83-32-9	Acenaphthene	32	U	32	52	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	400	ug/Kg
100-02-7	4-Nitrophenol	54	U	54	100	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	52	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	52	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	52	210	ug/Kg
86-73-7	Fluorene	33	U	33	52	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	52	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	47	U	47	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	52	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	42	U	42	52	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	52	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	52	210	ug/Kg
1912-24-9	Atrazine	34	U	34	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	100	J	33	52	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	52	210	ug/Kg
120-12-7	Anthracene	31	U	31	52	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	52	210	ug/Kg
86-74-8	Carbazole	42	U	42	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	52	210	ug/Kg
206-44-0	Fluoranthene	130	J	23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P9	SDG No.:	BG121224
Lab Sample ID:	P5153-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063663.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	110	J	22	52	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	52	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64	U	64	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	81	J	28	52	210	ug/Kg
218-01-9	Chrysene	140	J	29	52	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	31	U	31	52	210	ug/Kg
117-84-0	Di-n-octyl phthalate	59	U	59	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	200	J	45	52	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	47	J	47	52	210	ug/Kg
50-32-8	Benzo(a)pyrene	96	J	38	52	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77	J	34	52	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	52	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	J	39	52	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	52	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.484		15-120		69	SPK: -8
7291-22-7	Pyridine-d5	29.558		20-120		74	SPK: -40
4165-62-2	Phenol-d5	34.366		10-130		86	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	32.799		10-150		82	SPK: -40
93951-73-6	2-Chlorophenol-d4	34.77		15-120		87	SPK: -40
190780-66-6	4-Methylphenol-d8	30.512		10-140		76	SPK: -40
4165-60-0	Nitrobenzene-d5	37.199		10-135		93	SPK: -40
93951-78-1	2-Nitrophenol-d4	37.617		10-120		94	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	37.212		10-140		93	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.284		1-145		43	SPK: -40
85448-30-2	Dimethylphthalate-d6	37.01		10-145		93	SPK: -40
93951-97-4	Acenaphthylene-d8	37.361		15-120		93	SPK: -40
93951-79-2	4-Nitrophenol-d4	32.574		10-150		81	SPK: -40
81103-79-9	Fluorene-d10	35.729		20-140		89	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28P9	SDG No.:	BG121224
Lab Sample ID:	P5153-12	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063663.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	23.368		10-130		58	SPK: -40
1719-06-8	Anthracene-d10	37.177		10-150		93	SPK: -40
1718-52-1	Pyrene-d10	34.778		10-130		87	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.401		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	186190	7.815				
1146-65-2	Naphthalene-d8	747023	10.6				
15067-26-2	Acenaphthene-d10	533227	14.448				
1517-22-2	Phenanthrene-d10	1120119	17.204				
1719-03-5	Chrysene-d12	1085263	21.458				
1520-96-3	Perylene-d12	1218249	24.501				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	410	J			15.812	
004666-84-6	(1R,4aR,7R,8aR)-7-(2-Hydroxypropan	150	J			16.076	
005561-99-9	cis-11-Eicosenoic acid	310	J			18.05	
000057-10-3	n-Hexadecanoic acid	820	J			18.115	
021956-56-9	Benzene, 1,3-dimethoxy-5-[(1E)-2-p	740	J			19.989	
	(DEL) Alkane: Straight-Chain21.123	280	J			21.123	
000480-39-7	4H-1-Benzopyran-4-one, 2,3-dihydro	820	J			21.364	
E966796	Total Alkanes	280				99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q0	SDG No.:	BG121224
Lab Sample ID:	P5153-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BG063664.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	39	U	39	9.6	97	ug/Kg
100-52-7	Benzaldehyde	84	U	84	120	480	ug/Kg
110-86-1	Pyridine	110	U	110	240	480	ug/Kg
108-95-2	Phenol	60	J	43	120	480	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	42	U	42	120	480	ug/Kg
95-57-8	2-Chlorophenol	41	U	41	61.6	250	ug/Kg
95-48-7	2-Methylphenol	45	U	45	120	480	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58	U	58	120	480	ug/Kg
98-86-2	Acetophenone	96	U	96	120	480	ug/Kg
106-44-5	4-Methylphenol	77	U	77	120	480	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	110	U	110	61.6	250	ug/Kg
67-72-1	Hexachloroethane	88	U	88	61.6	250	ug/Kg
98-95-3	Nitrobenzene	93	U	93	61.6	250	ug/Kg
78-59-1	Isophorone	96	U	96	61.6	250	ug/Kg
88-75-5	2-Nitrophenol	87	U	87	61.6	250	ug/Kg
105-67-9	2,4-Dimethylphenol	46	U	46	61.6	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	65	U	65	61.6	250	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	61.6	250	ug/Kg
91-20-3	Naphthalene	35	U	35	61.6	250	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	61.6	480	ug/Kg
87-68-3	Hexachlorobutadiene	51	U	51	61.6	250	ug/Kg
105-60-2	Caprolactam	93	U	93	120	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59	U	59	61.6	250	ug/Kg
90-12-0	1-Methylnaphthalene	35	U	35	61.6	250	ug/Kg
91-57-6	2-Methylnaphthalene	46	U	46	61.6	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	140	U	140	120	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	35	U	35	61.6	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	61.6	250	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q0	SDG No.:	BG121224
Lab Sample ID:	P5153-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063664.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	38	U	38	61.6	250	ug/Kg
91-58-7	2-Chloronaphthalene	48	U	48	61.6	250	ug/Kg
88-74-4	2-Nitroaniline	65	U	65	61.6	250	ug/Kg
131-11-3	Dimethylphthalate	43	U	43	61.6	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	29	U	29	61.6	250	ug/Kg
208-96-8	Acenaphthylene	42	U	42	61.6	250	ug/Kg
99-09-2	3-Nitroaniline	96	U	96	120	480	ug/Kg
83-32-9	Acenaphthene	38	U	38	61.6	250	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	120	480	ug/Kg
100-02-7	4-Nitrophenol	64	U	64	120	480	ug/Kg
132-64-9	Dibenzofuran	39	U	39	61.6	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	51	U	51	61.6	250	ug/Kg
84-66-2	Diethylphthalate	48	U	48	61.6	250	ug/Kg
86-73-7	Fluorene	39	U	39	61.6	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	29	U	29	61.6	250	ug/Kg
100-01-6	4-Nitroaniline	35	U	35	120	480	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	55	U	55	120	480	ug/Kg
86-30-6	N-Nitrosodiphenylamine	35	U	35	61.6	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	49	U	49	61.6	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	38	U	38	61.6	250	ug/Kg
118-74-1	Hexachlorobenzene	41	U	41	61.6	250	ug/Kg
1912-24-9	Atrazine	41	U	41	120	480	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	480	ug/Kg
85-01-8	Phenanthrene	39	U	39	61.6	250	ug/Kg
608-93-5	Pentachlorobenzene	54	U	54	61.6	250	ug/Kg
120-12-7	Anthracene	36	U	36	61.6	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	25	U	25	61.6	250	ug/Kg
86-74-8	Carbazole	49	U	49	120	480	ug/Kg
84-74-2	Di-n-butylphthalate	39	U	39	61.6	250	ug/Kg
206-44-0	Fluoranthene	420		28	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q0	SDG No.:	BG121224
Lab Sample ID:	P5153-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063664.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	390		26	61.6	250	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	61.6	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	75	U	75	120	480	ug/Kg
56-55-3	Benzo(a)anthracene	360		33	61.6	250	ug/Kg
218-01-9	Chrysene	290		35	61.6	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	36	U	36	61.6	250	ug/Kg
117-84-0	Di-n-octyl phthalate	70	U	70	120	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	500		54	61.6	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	J	55	61.6	250	ug/Kg
50-32-8	Benzo(a)pyrene	340		45	61.6	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	J	41	61.6	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	60	J	38	61.6	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	J	46	61.6	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	61.6	250	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	18.2		20-120		46	SPK: -40
17647-74-4	1,4-Dioxane-d8	3.947		15-120		49	SPK: -8
4165-62-2	Phenol-d5	22.012		10-130		55	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.963		10-150		52	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.618		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	16.776		10-140		42	SPK: -40
4165-60-0	Nitrobenzene-d5	24.001		10-135		60	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.655		10-120		62	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.972		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	15.03		1-145		38	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.237		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	21.773		15-120		54	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.227		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	18.585		20-140		46	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q0	SDG No.:	BG121224
Lab Sample ID:	P5153-13	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063664.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	6.454		10-130		16	SPK: -40
1719-06-8	Anthracene-d10	19.436		10-150		49	SPK: -40
1718-52-1	Pyrene-d10	16.701		10-130		42	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	13.49		10-140		34	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	207246	7.817				
1146-65-2	Naphthalene-d8	811280	10.602				
15067-26-2	Acenaphthene-d10	552656	14.451				
1517-22-2	Phenanthrene-d10	1149825	17.206				
1719-03-5	Chrysene-d12	1108186	21.454				
1520-96-3	Perylene-d12	1261754	24.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	720	J			15.814	
000057-10-3	n-Hexadecanoic acid	410	J			18.105	
E966796	Total Alkanes	38	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q1	SDG No.:	BG121224
Lab Sample ID:	P5153-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063665.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31	U	31	7.5	76	ug/Kg
100-52-7	Benzaldehyde	66	U	66	94	380	ug/Kg
110-86-1	Pyridine	88	U	88	190	380	ug/Kg
108-95-2	Phenol	48	J	34	94	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	33	U	33	94	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	48.4	190	ug/Kg
95-48-7	2-Methylphenol	35	U	35	94	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46	U	46	94	380	ug/Kg
98-86-2	Acetophenone	75	U	75	94	380	ug/Kg
106-44-5	4-Methylphenol	60	U	60	94	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	90	U	90	48.4	190	ug/Kg
67-72-1	Hexachloroethane	69	U	69	48.4	190	ug/Kg
98-95-3	Nitrobenzene	73	U	73	48.4	190	ug/Kg
78-59-1	Isophorone	75	U	75	48.4	190	ug/Kg
88-75-5	2-Nitrophenol	68	U	68	48.4	190	ug/Kg
105-67-9	2,4-Dimethylphenol	36	U	36	48.4	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	51	U	51	48.4	190	ug/Kg
120-83-2	2,4-Dichlorophenol	43	U	43	48.4	190	ug/Kg
91-20-3	Naphthalene	27	U	27	48.4	190	ug/Kg
106-47-8	4-Chloroaniline	41	U	41	48.4	380	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	48.4	190	ug/Kg
105-60-2	Caprolactam	73	U	73	94	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	47	U	47	48.4	190	ug/Kg
90-12-0	1-Methylnaphthalene	27	U	27	48.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	36	U	36	48.4	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	94	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	27	U	27	48.4	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38	U	38	48.4	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q1	SDG No.:	BG121224
Lab Sample ID:	P5153-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063665.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	30	U	30	48.4	190	ug/Kg
91-58-7	2-Chloronaphthalene	38	U	38	48.4	190	ug/Kg
88-74-4	2-Nitroaniline	51	U	51	48.4	190	ug/Kg
131-11-3	Dimethylphthalate	34	U	34	48.4	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	48.4	190	ug/Kg
208-96-8	Acenaphthylene	33	U	33	48.4	190	ug/Kg
99-09-2	3-Nitroaniline	75	U	75	94	380	ug/Kg
83-32-9	Acenaphthene	30	U	30	48.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	94	380	ug/Kg
100-02-7	4-Nitrophenol	50	U	50	94	380	ug/Kg
132-64-9	Dibenzofuran	31	U	31	48.4	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	48.4	190	ug/Kg
84-66-2	Diethylphthalate	38	U	38	48.4	190	ug/Kg
86-73-7	Fluorene	31	U	31	48.4	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	23	U	23	48.4	190	ug/Kg
100-01-6	4-Nitroaniline	27	U	27	94	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	43	U	43	94	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	27	U	27	48.4	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39	U	39	48.4	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30	U	30	48.4	190	ug/Kg
118-74-1	Hexachlorobenzene	32	U	32	48.4	190	ug/Kg
1912-24-9	Atrazine	32	U	32	94	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	94	380	ug/Kg
85-01-8	Phenanthrene	31	U	31	48.4	190	ug/Kg
608-93-5	Pentachlorobenzene	42	U	42	48.4	190	ug/Kg
120-12-7	Anthracene	28	U	28	48.4	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	19	U	19	48.4	190	ug/Kg
86-74-8	Carbazole	39	U	39	94	380	ug/Kg
84-74-2	Di-n-butylphthalate	45	J	31	48.4	190	ug/Kg
206-44-0	Fluoranthene	42	J	22	94	190	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q1	SDG No.:	BG121224
Lab Sample ID:	P5153-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063665.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	41	J	21	48.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	25	48.4	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	59	U	59	94	380	ug/Kg
56-55-3	Benzo(a)anthracene	26	U	26	48.4	190	ug/Kg
218-01-9	Chrysene	42	J	27	48.4	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	28	U	28	48.4	190	ug/Kg
117-84-0	Di-n-octyl phthalate	55	U	55	94	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	56	J	42	48.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	43	U	43	48.4	190	ug/Kg
50-32-8	Benzo(a)pyrene	35	U	35	48.4	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32	U	32	48.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30	U	30	48.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	36	U	36	48.4	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	41	U	41	48.4	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.575		15-120		45	SPK: -8
7291-22-7	Pyridine-d5	13.177		20-120		33	SPK: -40
4165-62-2	Phenol-d5	21.47		10-130		54	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.009		10-150		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.52		15-120		56	SPK: -40
190780-66-6	4-Methylphenol-d8	20.638		10-140		52	SPK: -40
4165-60-0	Nitrobenzene-d5	23.486		10-135		59	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.428		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.992		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	7.062		1-145		18	SPK: -40
85448-30-2	Dimethylphthalate-d6	23.784		10-145		59	SPK: -40
93951-97-4	Acenaphthylene-d8	24.804		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.041		10-150		38	SPK: -40
81103-79-9	Fluorene-d10	23.51		20-140		59	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q1	SDG No.:	BG121224
Lab Sample ID:	P5153-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063665.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	5.596		10-130		14	SPK: -40
1719-06-8	Anthracene-d10	25.805		10-150		65	SPK: -40
1718-52-1	Pyrene-d10	25.772		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.107		10-140		58	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	220363	7.813				
1146-65-2	Naphthalene-d8	881724	10.604				
15067-26-2	Acenaphthene-d10	591564	14.453				
1517-22-2	Phenanthrene-d10	1192425	17.202				
1719-03-5	Chrysene-d12	1096881	21.462				
1520-96-3	Perylene-d12	1218166	24.512				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	200	J			15.81	
000057-10-3	n-Hexadecanoic acid	530	J			18.113	
E966796	Total Alkanes	30	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q2	SDG No.:	BG121224
Lab Sample ID:	P5153-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063666.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	32	U	32	7.9	79	ug/Kg
100-52-7	Benzaldehyde	69	U	69	98.4	390	ug/Kg
110-86-1	Pyridine	92	U	92	200	390	ug/Kg
108-95-2	Phenol	49	J	36	98.4	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	98.4	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.7	200	ug/Kg
95-48-7	2-Methylphenol	37	U	37	98.4	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	98.4	390	ug/Kg
98-86-2	Acetophenone	79	U	79	98.4	390	ug/Kg
106-44-5	4-Methylphenol	63	U	63	98.4	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	94	U	94	50.7	200	ug/Kg
67-72-1	Hexachloroethane	73	U	73	50.7	200	ug/Kg
98-95-3	Nitrobenzene	76	U	76	50.7	200	ug/Kg
78-59-1	Isophorone	79	U	79	50.7	200	ug/Kg
88-75-5	2-Nitrophenol	72	U	72	50.7	200	ug/Kg
105-67-9	2,4-Dimethylphenol	38	U	38	50.7	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	50.7	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	50.7	200	ug/Kg
91-20-3	Naphthalene	29	U	29	50.7	200	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	50.7	390	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	50.7	200	ug/Kg
105-60-2	Caprolactam	76	U	76	98.4	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	50.7	200	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	50.7	200	ug/Kg
91-57-6	2-Methylnaphthalene	38	U	38	50.7	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	98.4	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	50.7	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39	U	39	50.7	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q2	SDG No.:	BG121224
Lab Sample ID:	P5153-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063666.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	50.7	200	ug/Kg
91-58-7	2-Chloronaphthalene	39	U	39	50.7	200	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	50.7	200	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	50.7	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	50.7	200	ug/Kg
208-96-8	Acenaphthylene	35	U	35	50.7	200	ug/Kg
99-09-2	3-Nitroaniline	79	U	79	98.4	390	ug/Kg
83-32-9	Acenaphthene	31	U	31	50.7	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	98.4	390	ug/Kg
100-02-7	4-Nitrophenol	52	U	52	98.4	390	ug/Kg
132-64-9	Dibenzofuran	32	U	32	50.7	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	50.7	200	ug/Kg
84-66-2	Diethylphthalate	39	U	39	50.7	200	ug/Kg
86-73-7	Fluorene	32	U	32	50.7	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	50.7	200	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	98.4	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	45	U	45	98.4	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	50.7	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	50.7	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	50.7	200	ug/Kg
118-74-1	Hexachlorobenzene	33	U	33	50.7	200	ug/Kg
1912-24-9	Atrazine	33	U	33	98.4	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	98.4	390	ug/Kg
85-01-8	Phenanthrene	140	J	32	50.7	200	ug/Kg
608-93-5	Pentachlorobenzene	44	U	44	50.7	200	ug/Kg
120-12-7	Anthracene	30	U	30	50.7	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	50.7	200	ug/Kg
86-74-8	Carbazole	41	U	41	98.4	390	ug/Kg
84-74-2	Di-n-butylphthalate	32	U	32	50.7	200	ug/Kg
206-44-0	Fluoranthene	170	J	23	98.4	200	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q2	SDG No.:	BG121224
Lab Sample ID:	P5153-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063666.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	J	21	50.7	200	ug/Kg
85-68-7	Butylbenzylphthalate	26	U	26	50.7	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62	U	62	98.4	390	ug/Kg
56-55-3	Benzo(a)anthracene	73	J	27	50.7	200	ug/Kg
218-01-9	Chrysene	89	J	29	50.7	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	50.7	200	ug/Kg
117-84-0	Di-n-octyl phthalate	57	U	57	98.4	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	J	44	50.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	50.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	81	J	37	50.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48	J	33	50.7	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	50.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	62	J	38	50.7	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	50.7	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.022		15-120		38	SPK: -8
7291-22-7	Pyridine-d5	15.981		20-120		40	SPK: -40
4165-62-2	Phenol-d5	22.776		10-130		57	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	20.897		10-150		52	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.953		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	20.943		10-140		52	SPK: -40
4165-60-0	Nitrobenzene-d5	24.25		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.232		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	23.763		10-140		59	SPK: -40
191656-33-4	4-Chloroaniline-d4	13.337		1-145		33	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.658		10-145		62	SPK: -40
93951-97-4	Acenaphthylene-d8	24.765		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.889		10-150		47	SPK: -40
81103-79-9	Fluorene-d10	23.223		20-140		58	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q2	SDG No.:	BG121224
Lab Sample ID:	P5153-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063666.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	1.7	*	10-130		4	SPK: -40
1719-06-8	Anthracene-d10	24.721		10-150		62	SPK: -40
1718-52-1	Pyrene-d10	23.804		10-130		60	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.279		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	238322	7.815				
1146-65-2	Naphthalene-d8	943336	10.606				
15067-26-2	Acenaphthene-d10	624890	14.454				
1517-22-2	Phenanthrene-d10	1262945	17.204				
1719-03-5	Chrysene-d12	1167710	21.463				
1520-96-3	Perylene-d12	1319086	24.489				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	190	J			15.811	
1000405-17-6	cis-10-Pentadecenoic acid, butyl e	400	J			18.05	
000057-10-3	n-Hexadecanoic acid	420	J			18.109	
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3DL	SDG No.:	BG121224
Lab Sample ID:	P5153-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063667.D	5	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	150	U	150	36.6	370	ug/Kg
100-52-7	Benzaldehyde	320	U	320	460	1800	ug/Kg
110-86-1	Pyridine	430	U	430	920	1800	ug/Kg
108-95-2	Phenol	170	U	170	460	1800	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	160	U	160	460	1800	ug/Kg
95-57-8	2-Chlorophenol	160	U	160	240	940	ug/Kg
95-48-7	2-Methylphenol	170	U	170	460	1800	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	220	U	220	460	1800	ug/Kg
98-86-2	Acetophenone	370	U	370	460	1800	ug/Kg
106-44-5	4-Methylphenol	290	U	290	460	1800	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	440	U	440	240	940	ug/Kg
67-72-1	Hexachloroethane	340	U	340	240	940	ug/Kg
98-95-3	Nitrobenzene	360	U	360	240	940	ug/Kg
78-59-1	Isophorone	370	U	370	240	940	ug/Kg
88-75-5	2-Nitrophenol	330	U	330	240	940	ug/Kg
105-67-9	2,4-Dimethylphenol	180	U	180	240	940	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	250	U	250	240	940	ug/Kg
120-83-2	2,4-Dichlorophenol	210	U	210	240	940	ug/Kg
91-20-3	Naphthalene	740	JD	130	240	940	ug/Kg
106-47-8	4-Chloroaniline	200	U	200	240	1800	ug/Kg
87-68-3	Hexachlorobutadiene	190	U	190	240	940	ug/Kg
105-60-2	Caprolactam	360	U	360	460	1800	ug/Kg
59-50-7	4-Chloro-3-methylphenol	230	U	230	240	940	ug/Kg
90-12-0	1-Methylnaphthalene	620	JD	130	240	940	ug/Kg
91-57-6	2-Methylnaphthalene	800	JD	180	240	940	ug/Kg
77-47-4	Hexachlorocyclopentadiene	540	U	540	460	1800	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	240	940	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	240	940	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3DL	SDG No.:	BG121224
Lab Sample ID:	P5153-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063667.D	5	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	140	U	140	240	940	ug/Kg
91-58-7	2-Chloronaphthalene	180	U	180	240	940	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	240	940	ug/Kg
131-11-3	Dimethylphthalate	170	U	170	240	940	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	240	940	ug/Kg
208-96-8	Acenaphthylene	160	U	160	240	940	ug/Kg
99-09-2	3-Nitroaniline	370	U	370	460	1800	ug/Kg
83-32-9	Acenaphthene	1200	D	140	240	940	ug/Kg
51-28-5	2,4-Dinitrophenol	720	U	720	460	1800	ug/Kg
100-02-7	4-Nitrophenol	240	U	240	460	1800	ug/Kg
132-64-9	Dibenzofuran	660	JD	150	240	940	ug/Kg
121-14-2	2,4-Dinitrotoluene	190	U	190	240	940	ug/Kg
84-66-2	Diethylphthalate	180	U	180	240	940	ug/Kg
86-73-7	Fluorene	910	JD	150	240	940	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	240	940	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	460	1800	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	460	1800	ug/Kg
86-30-6	N-Nitrosodiphenylamine	130	U	130	240	940	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	190	U	190	240	940	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	240	940	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	240	940	ug/Kg
1912-24-9	Atrazine	160	U	160	460	1800	ug/Kg
87-86-5	Pentachlorophenol	490	U	490	460	1800	ug/Kg
85-01-8	Phenanthrene	8200	D	150	240	940	ug/Kg
608-93-5	Pentachlorobenzene	210	U	210	240	940	ug/Kg
120-12-7	Anthracene	2100	D	140	240	940	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	94	U	94	240	940	ug/Kg
86-74-8	Carbazole	950	JD	190	460	1800	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	240	940	ug/Kg
206-44-0	Fluoranthene	13000	D	110	460	940	ug/Kg

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3DL	SDG No.:	BG121224
Lab Sample ID:	P5153-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063667.D	5	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	11000	D	100	240	940	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	240	940	ug/Kg
91-94-1	3,3-Dichlorobenzidine	290	U	290	460	1800	ug/Kg
56-55-3	Benzo(a)anthracene	6600	D	130	240	940	ug/Kg
218-01-9	Chrysene	6500	D	130	240	940	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	240	940	ug/Kg
117-84-0	Di-n-octyl phthalate	270	U	270	460	1800	ug/Kg
205-99-2	Benzo(b)fluoranthene	8000	D	210	240	940	ug/Kg
207-08-9	Benzo(k)fluoranthene	3000	D	210	240	940	ug/Kg
50-32-8	Benzo(a)pyrene	6200	D	170	240	940	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3000	D	160	240	940	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	900	JD	140	240	940	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3700	D	180	240	940	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	200	U	200	240	940	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.405		15-120		68	SPK: -8
7291-22-7	Pyridine-d5	24.735		20-120		62	SPK: -40
4165-62-2	Phenol-d5	28.1		10-130		70	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.165		10-150		68	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.435		15-120		74	SPK: -40
190780-66-6	4-Methylphenol-d8	27.265		10-140		68	SPK: -40
4165-60-0	Nitrobenzene-d5	28.23		10-135		71	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.625		10-120		59	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.165		10-140		70	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.755		1-145		59	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.36		10-145		76	SPK: -40
93951-97-4	Acenaphthylene-d8	32.2		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	31.205		20-140		78	SPK: -40

Report of Analysis

Client:		Date Collected:	12/4/2024 12:00:00 AM
Project:		Date Received:	12/4/2024 12:00:00 AM
Client Sample ID:	E28P3DL	SDG No.:	BG121224
Lab Sample ID:	P5153-05DL	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	9.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 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
BG063667.D	5	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0	U	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	33.77		10-150		84	SPK: -40
1718-52-1	Pyrene-d10	32.6		10-130		81	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.96		10-140		75	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195099	7.815				
1146-65-2	Naphthalene-d8	797340	10.606				
15067-26-2	Acenaphthene-d10	548438	14.454				
1517-22-2	Phenanthrene-d10	1128119	17.204				
1719-03-5	Chrysene-d12	1054807	21.458				
1520-96-3	Perylene-d12	1226921	24.484				
TENTATIVE IDENTIFIED COMPOUNDS							
000526-73-8	Benzene, 1,2,3-trimethyl-	480	JD			7.463	
000575-41-7	Naphthalene, 1,3-dimethyl-	380	JD			13.773	
000119-61-9	Benzophenone	970	JD			15.812	
	(DEL) Alkane: Straight-Chain16.194	910	JD			16.194	
000233-02-3	Naphtho[2,1-b]thiophene	470	JD			17.022	
000610-48-0	Anthracene, 1-methyl-	530	JD			18.086	
000832-69-9	Phenanthrene, 1-methyl-	850	JD			18.133	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1700	JD			18.279	
000243-17-4	11H-Benzo[b]fluorene	700	JD			20.13	
033543-31-6	Fluoranthene, 2-methyl-	640	JD			20.23	
000123-79-5	Hexanedioic acid, dioctyl ester	1400	JD			20.6	
E966796	Total Alkanes	910	D			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q4	SDG No.:	BG121224
Lab Sample ID:	P5153-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			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
BG063668.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	35	U	35	8.5	85	ug/Kg
100-52-7	Benzaldehyde	74	U	74	110	420	ug/Kg
110-86-1	Pyridine	99	U	99	210	420	ug/Kg
108-95-2	Phenol	77	J	38	110	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	37	U	37	110	420	ug/Kg
95-57-8	2-Chlorophenol	36	U	36	54.4	220	ug/Kg
95-48-7	2-Methylphenol	40	U	40	110	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	51	U	51	110	420	ug/Kg
98-86-2	Acetophenone	85	U	85	110	420	ug/Kg
106-44-5	4-Methylphenol	68	U	68	110	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	100	U	100	54.4	220	ug/Kg
67-72-1	Hexachloroethane	78	U	78	54.4	220	ug/Kg
98-95-3	Nitrobenzene	82	U	82	54.4	220	ug/Kg
78-59-1	Isophorone	85	U	85	54.4	220	ug/Kg
88-75-5	2-Nitrophenol	77	U	77	54.4	220	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	54.4	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	58	U	58	54.4	220	ug/Kg
120-83-2	2,4-Dichlorophenol	49	U	49	54.4	220	ug/Kg
91-20-3	Naphthalene	88	J	31	54.4	220	ug/Kg
106-47-8	4-Chloroaniline	46	U	46	54.4	420	ug/Kg
87-68-3	Hexachlorobutadiene	45	U	45	54.4	220	ug/Kg
105-60-2	Caprolactam	82	U	82	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53	U	53	54.4	220	ug/Kg
90-12-0	1-Methylnaphthalene	55	J	31	54.4	220	ug/Kg
91-57-6	2-Methylnaphthalene	180	J	41	54.4	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31	U	31	54.4	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	54.4	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q4	SDG No.:	BG121224
Lab Sample ID:	P5153-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063668.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	33	U	33	54.4	220	ug/Kg
91-58-7	2-Chloronaphthalene	42	U	42	54.4	220	ug/Kg
88-74-4	2-Nitroaniline	58	U	58	54.4	220	ug/Kg
131-11-3	Dimethylphthalate	38	U	38	54.4	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	54.4	220	ug/Kg
208-96-8	Acenaphthylene	37	U	37	54.4	220	ug/Kg
99-09-2	3-Nitroaniline	85	U	85	110	420	ug/Kg
83-32-9	Acenaphthene	33	U	33	54.4	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	110	420	ug/Kg
100-02-7	4-Nitrophenol	56	U	56	110	420	ug/Kg
132-64-9	Dibenzofuran	35	U	35	54.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	54.4	220	ug/Kg
84-66-2	Diethylphthalate	42	U	42	54.4	220	ug/Kg
86-73-7	Fluorene	35	U	35	54.4	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26	U	26	54.4	220	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	49	U	49	110	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	31	U	31	54.4	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	44	U	44	54.4	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33	U	33	54.4	220	ug/Kg
118-74-1	Hexachlorobenzene	36	U	36	54.4	220	ug/Kg
1912-24-9	Atrazine	36	U	36	110	420	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	110	420	ug/Kg
85-01-8	Phenanthrene	190	J	35	54.4	220	ug/Kg
608-93-5	Pentachlorobenzene	47	U	47	54.4	220	ug/Kg
120-12-7	Anthracene	45	J	32	54.4	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	22	U	22	54.4	220	ug/Kg
86-74-8	Carbazole	44	U	44	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	35	U	35	54.4	220	ug/Kg
206-44-0	Fluoranthene	150	J	24	110	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q4	SDG No.:	BG121224
Lab Sample ID:	P5153-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063668.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	160	J	23	54.4	220	ug/Kg
85-68-7	Butylbenzylphthalate	28	U	28	54.4	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	67	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	29	54.4	220	ug/Kg
218-01-9	Chrysene	150	J	31	54.4	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	89	J	32	54.4	220	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	220		47	54.4	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	49	54.4	220	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	40	54.4	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72	J	36	54.4	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33	U	33	54.4	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	J	41	54.4	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	54.4	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.985		15-120		50	SPK: -8
7291-22-7	Pyridine-d5	20.128		20-120		50	SPK: -40
4165-62-2	Phenol-d5	21.851		10-130		55	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.721		10-150		59	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.91		15-120		60	SPK: -40
190780-66-6	4-Methylphenol-d8	17.004		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	24.355		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	19.712		10-120		49	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	24.171		10-140		60	SPK: -40
191656-33-4	4-Chloroaniline-d4	3.109		1-145		8	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.452		10-145		69	SPK: -40
93951-97-4	Acenaphthylene-d8	18.496		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.663		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	25.301		20-140		63	SPK: -40

Report of Analysis

Client:		Date Collected:	12/5/2024 12:00:00 AM
Project:		Date Received:	12/5/2024 12:00:00 AM
Client Sample ID:	E28Q4	SDG No.:	BG121224
Lab Sample ID:	P5153-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 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
BG063668.D	1	12/9/2024 12:00:00 AM	12/12/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0.141	*	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	23.333		10-150		58	SPK: -40
1718-52-1	Pyrene-d10	25.284		10-130		63	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	23.29		10-140		58	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	241551	7.817				
1146-65-2	Naphthalene-d8	910052	10.608				
15067-26-2	Acenaphthene-d10	581054	14.456				
1517-22-2	Phenanthrene-d10	1177885	17.206				
1719-03-5	Chrysene-d12	1040743	21.471				
1520-96-3	Perylene-d12	842826	24.533				
TENTATIVE IDENTIFIED COMPOUNDS							
000821-55-6	2-Nonanone	140	J			8.898	
006175-49-1	2-Dodecanone	150	J			10.461	
000119-61-9	Benzophenone	240	J			15.813	
000057-10-3	n-Hexadecanoic acid	660	J			18.122	
E966796	Total Alkanes	33	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E28P3								
P5153-05	E28P3	Solid	(DEL) Alkane: Cyclic3.546	*	180.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain12.0	*	160.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain13.9	*	150.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain14.2	*	150.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain15.2	*	150.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain15.7	*	150.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain16.1	*	920.000	J		
P5153-05	E28P3	Solid	(DEL) Alkane: Straight-Chain17.7	*	310.000	J		
P5153-05	E28P3	Solid	11H-Benzo[a]fluorene	*	200.000	J		
P5153-05	E28P3	Solid	11H-Benzo[b]fluorene	*	230.000	J		
P5153-05	E28P3	Solid	4H-Cyclopenta[def]phenanthrene	*	1,700.000	J		
P5153-05	E28P3	Solid	6H-Dibenzo[b,d]-pyran	*	350.000	J		
P5153-05	E28P3	Solid	7H-Benzo[c]carbazole	*	120.000	J		
P5153-05	E28P3	Solid	9,10-Anthracenedione	*	370.000	J		
P5153-05	E28P3	Solid	9H-Fluoren-9-one	*	220.000	J		
P5153-05	E28P3	Solid	Adipic acid, 2-ethylhexyl octyl es	*	390.000	J		
P5153-05	E28P3	Solid	Anthra(2,3-b)thiophene	*	94.000	J		
P5153-05	E28P3	Solid	Anthracene, 1,2,3,4-tetrahydro-	*	670.000	J		
P5153-05	E28P3	Solid	Anthracene, 1-methyl-	*	540.000	J		
P5153-05	E28P3	Solid	Benzene, 1,2,3-trimethyl-	*	330.000	J		
P5153-05	E28P3	Solid	Benzo[e]pyrene	*	130.000	J		
P5153-05	E28P3	Solid	Benzophenone	*	790.000	J		
P5153-05	E28P3	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr	*	190.000	J		
P5153-05	E28P3	Solid	Cyclopenta(def)phenanthrenone	*	330.000	J		
P5153-05	E28P3	Solid	Dibenzofuran, 4-methyl-	*	150.000	J		
P5153-05	E28P3	Solid	Dibenzothiophene	*	450.000	J		
P5153-05	E28P3	Solid	Naphthalene, 1,4,6-trimethyl-	*	100.000	J		
P5153-05	E28P3	Solid	Naphthalene, 1,6,7-trimethyl-	*	190.000	J		
P5153-05	E28P3	Solid	Naphthalene, 1,6-dimethyl-	*	140.000	J		
P5153-05	E28P3	Solid	Naphthalene, 1,7-dimethyl-	*	140.000	J		
P5153-05	E28P3	Solid	Naphthalene, 1-methyl-7-(1-methyl-	*	190.000	J		
P5153-05	E28P3	Solid	Naphthalene, 2,3,6-trimethyl-	*	96.000	J		
P5153-05	E28P3	Solid	Naphthalene, 2,3-dimethyl-	*	300.000	J		
P5153-05	E28P3	Solid	Naphthalene, 2-phenyl-	*	520.000	J		
P5153-05	E28P3	Solid	Perylene	*	440.000	J		
P5153-05	E28P3	Solid	Phenanthrene, 2,5-dimethyl-	*	260.000	J		
P5153-05	E28P3	Solid	Phenanthrene, 4,5-dimethyl-	*	110.000	J		

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5153-05	E28P3	Solid	Pyrene, 1-methyl-	*	110.000	J		
P5153-05	E28P3	Solid	Total Alkanes	*	2,200.000	29	190	ug/Kg
Total Tics :				14,220.00				
P5153-05	E28P3	Solid	1,1-Biphenyl		100.000	J 29	190	ug/Kg
P5153-05	E28P3	Solid	1-Methylnaphthalene		520.000	27	190	ug/Kg
P5153-05	E28P3	Solid	2-Methylnaphthalene		700.000	36	190	ug/Kg
P5153-05	E28P3	Solid	Acenaphthene		1,000.000	29	190	ug/Kg
P5153-05	E28P3	Solid	Anthracene		1,800.000	28	190	ug/Kg
P5153-05	E28P3	Solid	Benzo(a)anthracene		4,200.000	E 26	190	ug/Kg
P5153-05	E28P3	Solid	Benzo(a)pyrene		4,700.000	E 34	190	ug/Kg
P5153-05	E28P3	Solid	Benzo(b)fluoranthene		5,700.000	E 41	190	ug/Kg
P5153-05	E28P3	Solid	Benzo(g,h,i)perylene		3,600.000	E 36	190	ug/Kg
P5153-05	E28P3	Solid	Benzo(k)fluoranthene		2,400.000	42	190	ug/Kg
P5153-05	E28P3	Solid	Bis(2-ethylhexyl)phthalate		55.000	J 28	190	ug/Kg
P5153-05	E28P3	Solid	Carbazole		860.000	38	370	ug/Kg
P5153-05	E28P3	Solid	Chrysene		4,500.000	E 27	190	ug/Kg
P5153-05	E28P3	Solid	Di-n-butylphthalate		51.000	J 30	190	ug/Kg
P5153-05	E28P3	Solid	Dibenzo(a,h)anthracene		880.000	29	190	ug/Kg
P5153-05	E28P3	Solid	Dibenzofuran		590.000	30	190	ug/Kg
P5153-05	E28P3	Solid	Fluoranthene		5,700.000	E 21	190	ug/Kg
P5153-05	E28P3	Solid	Fluorene		800.000	30	190	ug/Kg
P5153-05	E28P3	Solid	Indeno(1,2,3-cd)pyrene		2,900.000	31	190	ug/Kg
P5153-05	E28P3	Solid	Naphthalene		650.000	27	190	ug/Kg
P5153-05	E28P3	Solid	Phenanthrene		4,800.000	E 30	190	ug/Kg
P5153-05	E28P3	Solid	Phenol		53.000	J 33	370	ug/Kg
P5153-05	E28P3	Solid	Pyrene		5,200.000	E 20	190	ug/Kg
Total Svoc :				51,759.00				
Total Concentration:				65,979.00				

Client ID : E28P3DL

P5153-05DL	E28P3DL	Solid	(DEL) Alkane: Straight-Chain16.1	*	910.000	JD		
P5153-05DL	E28P3DL	Solid	11H-Benzo[b]fluorene	*	700.000	JD		
P5153-05DL	E28P3DL	Solid	4H-Cyclopenta[def]phenanthrene	*	1,700.000	JD		
P5153-05DL	E28P3DL	Solid	Anthracene, 1-methyl-	*	530.000	JD		
P5153-05DL	E28P3DL	Solid	Benzene, 1,2,3-trimethyl-	*	480.000	JD		
P5153-05DL	E28P3DL	Solid	Benzophenone	*	970.000	JD		
P5153-05DL	E28P3DL	Solid	Fluoranthene, 2-methyl-	*	640.000	JD		
P5153-05DL	E28P3DL	Solid	Hexanedioic acid, dioctyl ester	*	1,400.000	JD		
P5153-05DL	E28P3DL	Solid	Naphthalene, 1,3-dimethyl-	*	380.000	JD		
P5153-05DL	E28P3DL	Solid	Naphtho[2,1-b]thiophene	*	470.000	JD		
P5153-05DL	E28P3DL	Solid	Phenanthrene, 1-methyl-	*	850.000	JD		

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5153-05DL	E28P3DL	Solid	Total Alkanes	*	910.000	D 140	940	ug/Kg
Total Tics :				9,940.00				
P5153-05DL	E28P3DL	Solid	1-Methylnaphthalene	620.000	JD	130	940	ug/Kg
P5153-05DL	E28P3DL	Solid	2-Methylnaphthalene	800.000	JD	180	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Acenaphthene	1,200.000	D	140	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Anthracene	2,100.000	D	140	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Benzo(a)anthracene	6,600.000	D	130	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Benzo(a)pyrene	6,200.000	D	170	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Benzo(b)fluoranthene	8,000.000	D	210	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Benzo(g,h,i)perylene	3,700.000	D	180	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Benzo(k)fluoranthene	3,000.000	D	210	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Carbazole	950.000	JD	190	1800	ug/Kg
P5153-05DL	E28P3DL	Solid	Chrysene	6,500.000	D	130	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Dibenzo(a,h)anthracene	900.000	JD	140	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Dibenzofuran	660.000	JD	150	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Fluoranthene	13,000.000	D	110	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Fluorene	910.000	JD	150	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Indeno(1,2,3-cd)pyrene	3,000.000	D	160	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Naphthalene	740.000	JD	130	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Phenanthrene	8,200.000	D	150	940	ug/Kg
P5153-05DL	E28P3DL	Solid	Pyrene	11,000.000	D	100	940	ug/Kg
Total Svoc :				78,080.00				
Total Concentration:				88,020.00				
Client ID : E28P8								
P5153-11	E28P8	Solid	(DEL) Alkane: Straight-Chain23.4	*	460.000	J		
P5153-11	E28P8	Solid	1-Hexacosanol	*	290.000	J		
P5153-11	E28P8	Solid	Benzophenone	*	200.000	J		
P5153-11	E28P8	Solid	Palmitoleic acid	*	330.000	J		
P5153-11	E28P8	Solid	Tetradecanoic acid	*	260.000	J		
P5153-11	E28P8	Solid	Total Alkanes	*	460.000	36	240	ug/Kg
Total Tics :				2,000.00				
P5153-11	E28P8	Solid	Phenol	95.000	J	42	460	ug/Kg
Total Svoc :				95.00				
Total Concentration:				2,095.00				
Client ID : E28P9								
P5153-12	E28P9	Solid	(1R,4aR,7R,8aR)-7-(2-Hydroxypr	*	150.000	J		
P5153-12	E28P9	Solid	(DEL) Alkane: Straight-Chain21.1	*	280.000	J		
P5153-12	E28P9	Solid	4H-1-Benzopyran-4-one, 2,3-dihy	*	820.000	J		
P5153-12	E28P9	Solid	Benzene, 1,3-dimethoxy-5-[(1E)-2	*	740.000	J		
P5153-12	E28P9	Solid	Benzophenone	*	410.000	J		

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5153-12	E28P9	Solid	cis-11-Eicosenoic acid	*	310.000	J		
P5153-12	E28P9	Solid	n-Hexadecanoic acid	*	820.000	J		
P5153-12	E28P9	Solid	Total Alkanes	*	280.000	32	210	ug/Kg
Total Tics :				3,810.00				
P5153-12	E28P9	Solid	Benzo(a)anthracene		81.000	J 28	210	ug/Kg
P5153-12	E28P9	Solid	Benzo(a)pyrene		96.000	J 38	210	ug/Kg
P5153-12	E28P9	Solid	Benzo(b)fluoranthene		200.000	J 45	210	ug/Kg
P5153-12	E28P9	Solid	Benzo(g,h,i)perylene		130.000	J 39	210	ug/Kg
P5153-12	E28P9	Solid	Benzo(k)fluoranthene		47.000	J 47	210	ug/Kg
P5153-12	E28P9	Solid	Chrysene		140.000	J 29	210	ug/Kg
P5153-12	E28P9	Solid	Fluoranthene		130.000	J 23	210	ug/Kg
P5153-12	E28P9	Solid	Indeno(1,2,3-cd)pyrene		77.000	J 34	210	ug/Kg
P5153-12	E28P9	Solid	Phenanthrene		100.000	J 33	210	ug/Kg
P5153-12	E28P9	Solid	Phenol		85.000	J 37	400	ug/Kg
P5153-12	E28P9	Solid	Pyrene		110.000	J 22	210	ug/Kg
Total Svoc :				1,196.00				
Total Concentration:				5,006.00				
Client ID : E28Q0								
P5153-13	E28Q0	Solid	Benzophenone	*	720.000	J		
P5153-13	E28Q0	Solid	n-Hexadecanoic acid	*	410.000	J		
P5153-13	E28Q0	Solid	Total Alkanes	*	0.000	38	250	ug/Kg
Total Tics :				1,130.00				
P5153-13	E28Q0	Solid	Benzo(a)anthracene		360.000	33	250	ug/Kg
P5153-13	E28Q0	Solid	Benzo(a)pyrene		340.000	45	250	ug/Kg
P5153-13	E28Q0	Solid	Benzo(b)fluoranthene		500.000	54	250	ug/Kg
P5153-13	E28Q0	Solid	Benzo(g,h,i)perylene		210.000	J 46	250	ug/Kg
P5153-13	E28Q0	Solid	Benzo(k)fluoranthene		160.000	J 55	250	ug/Kg
P5153-13	E28Q0	Solid	Chrysene		290.000	35	250	ug/Kg
P5153-13	E28Q0	Solid	Dibenzo(a,h)anthracene		60.000	J 38	250	ug/Kg
P5153-13	E28Q0	Solid	Fluoranthene		420.000	28	250	ug/Kg
P5153-13	E28Q0	Solid	Indeno(1,2,3-cd)pyrene		190.000	J 41	250	ug/Kg
P5153-13	E28Q0	Solid	Phenol		60.000	J 43	480	ug/Kg
P5153-13	E28Q0	Solid	Pyrene		390.000	26	250	ug/Kg
Total Svoc :				2,980.00				
Total Concentration:				4,110.00				
Client ID : E28Q1								
P5153-14	E28Q1	Solid	Benzophenone	*	200.000	J		
P5153-14	E28Q1	Solid	n-Hexadecanoic acid	*	530.000	J		
P5153-14	E28Q1	Solid	Total Alkanes	*	0.000	30	190	ug/Kg
Total Tics :				730.00				

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units	
P5153-14	E28Q1	Solid	Benzo(b)fluoranthene	56.000	J	42	190	ug/Kg	
P5153-14	E28Q1	Solid	Chrysene	42.000	J	27	190	ug/Kg	
P5153-14	E28Q1	Solid	Di-n-butylphthalate	45.000	J	31	190	ug/Kg	
P5153-14	E28Q1	Solid	Fluoranthene	42.000	J	22	190	ug/Kg	
P5153-14	E28Q1	Solid	Phenol	48.000	J	34	380	ug/Kg	
P5153-14	E28Q1	Solid	Pyrene	41.000	J	21	190	ug/Kg	
Total Svoc :				274.00					
Total Concentration:				1,004.00					
Client ID : E28Q2									
P5153-15	E28Q2	Solid	Benzophenone	*	190.000	J			
P5153-15	E28Q2	Solid	cis-10-Pentadecenoic acid, butyl e	*	400.000	J			
P5153-15	E28Q2	Solid	n-Hexadecanoic acid	*	420.000	J			
P5153-15	E28Q2	Solid	Total Alkanes	*	0.000	31	200	ug/Kg	
Total Tics :				1,010.00					
P5153-15	E28Q2	Solid	Benzo(a)anthracene		73.000	J	27	200	ug/Kg
P5153-15	E28Q2	Solid	Benzo(a)pyrene		81.000	J	37	200	ug/Kg
P5153-15	E28Q2	Solid	Benzo(b)fluoranthene		110.000	J	44	200	ug/Kg
P5153-15	E28Q2	Solid	Benzo(g,h,i)perylene		62.000	J	38	200	ug/Kg
P5153-15	E28Q2	Solid	Chrysene		89.000	J	29	200	ug/Kg
P5153-15	E28Q2	Solid	Fluoranthene		170.000	J	23	200	ug/Kg
P5153-15	E28Q2	Solid	Indeno(1,2,3-cd)pyrene		48.000	J	33	200	ug/Kg
P5153-15	E28Q2	Solid	Phenanthrene		140.000	J	32	200	ug/Kg
P5153-15	E28Q2	Solid	Phenol		49.000	J	36	390	ug/Kg
P5153-15	E28Q2	Solid	Pyrene		130.000	J	21	200	ug/Kg
Total Svoc :				952.00					
Total Concentration:				1,962.00					
Client ID : E28Q4									
P5153-17	E28Q4	Solid	2-Dodecanone	*	150.000	J			
P5153-17	E28Q4	Solid	2-Nonanone	*	140.000	J			
P5153-17	E28Q4	Solid	Benzophenone	*	240.000	J			
P5153-17	E28Q4	Solid	n-Hexadecanoic acid	*	660.000	J			
P5153-17	E28Q4	Solid	Total Alkanes	*	0.000	33	220	ug/Kg	
Total Tics :				1,190.00					
P5153-17	E28Q4	Solid	1-Methylnaphthalene		55.000	J	31	220	ug/Kg
P5153-17	E28Q4	Solid	2-Methylnaphthalene		180.000	J	41	220	ug/Kg
P5153-17	E28Q4	Solid	Anthracene		45.000	J	32	220	ug/Kg
P5153-17	E28Q4	Solid	Benzo(a)anthracene		100.000	J	29	220	ug/Kg
P5153-17	E28Q4	Solid	Benzo(a)pyrene		130.000	J	40	220	ug/Kg
P5153-17	E28Q4	Solid	Benzo(b)fluoranthene		220.000		47	220	ug/Kg
P5153-17	E28Q4	Solid	Benzo(g,h,i)perylene		100.000	J	41	220	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG121224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5153-17	E28Q4	Solid	Benzo(k)fluoranthene	100.000	J	49	220	ug/Kg
P5153-17	E28Q4	Solid	Bis(2-ethylhexyl)phthalate	89.000	J	32	220	ug/Kg
P5153-17	E28Q4	Solid	Chrysene	150.000	J	31	220	ug/Kg
P5153-17	E28Q4	Solid	Fluoranthene	150.000	J	24	220	ug/Kg
P5153-17	E28Q4	Solid	Indeno(1,2,3-cd)pyrene	72.000	J	36	220	ug/Kg
P5153-17	E28Q4	Solid	Naphthalene	88.000	J	31	220	ug/Kg
P5153-17	E28Q4	Solid	Phenanthrene	190.000	J	35	220	ug/Kg
P5153-17	E28Q4	Solid	Phenol	77.000	J	38	420	ug/Kg
P5153-17	E28Q4	Solid	Pyrene	160.000	J	23	220	ug/Kg
Total Svoc :				1,906.00				
Total Concentration:				3,096.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124

Instrument ID: _____ Calibration Date(s): 12/11/2024

Calibration Time(s): 13:23

LAB FILE ID:	RRFAL1 = BG063651.D			RRFAL2 = BG063652.D		RRFAL3 = BG063653.D		
	RRFAL4 = BG063654.D			RRFAL5 = BG063655.D		RRFAL6 = BG063656.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.567	0.593	0.689	0.576	0.596		0.604	8.1
Benzaldehyde		1.337	1.446	1.195	0.907	0.764	1.130	25.4
Pyridine		1.604	1.815	1.707	1.876	1.620	1.724	6.9
Hexachloroethane	0.587	0.609	0.627	0.590	0.553		0.593	4.7
Nitrobenzene	0.424	0.448	0.521	0.504	0.488		0.477	8.4
Isophorone	0.875	0.868	0.989	0.918	0.853		0.901	6.1
2-Nitrophenol	0.139	0.151	0.183	0.180	0.170		0.165	11.6
2,4-Dimethylphenol	0.352	0.361	0.404	0.384	0.365		0.373	5.5
Bis(2-Chloroethoxy)methane	0.467	0.476	0.531	0.494	0.469		0.487	5.5
2,4-Dichlorophenol	0.269	0.299	0.342	0.319	0.311		0.308	8.7
Naphthalene	0.957	1.007	1.105	1.008	0.923		1.000	6.9
4-Chloroaniline		0.347	0.423	0.390	0.372	0.341	0.374	9.0
Hexachlorobutadiene	0.234	0.242	0.271	0.253	0.250		0.250	5.5
Phenol		1.813	2.129	2.027	1.934	1.913	1.963	6.1
Caprolactam		0.099	0.119	0.110	0.101	0.104	0.106	7.7
4-Chloro-3-methylphenol	0.342	0.349	0.383	0.376	0.358		0.362	4.8
1-Methylnaphthalene	0.708	0.740	0.797	0.745	0.671		0.732	6.4
2-Methylnaphthalene	0.729	0.703	0.783	0.716	0.662		0.719	6.1
Hexachlorocyclopentadiene		0.151	0.230	0.265	0.297	0.322	0.253	26.4
2,4,6-Trichlorophenol	0.328	0.348	0.392	0.373	0.368		0.362	6.8
2,4,5-Trichlorophenol	0.345	0.352	0.398	0.410	0.384		0.378	7.5
1,1-Biphenyl	1.269	1.316	1.449	1.343	1.217		1.319	6.6
2-Chloronaphthalene	1.014	1.040	1.167	1.084	0.992		1.059	6.5
2-Nitroaniline	0.306	0.319	0.371	0.391	0.387		0.355	11.1
Bis(2-Chloroethyl)ether		1.454	1.662	1.509	1.473	1.413	1.502	6.4
Dimethylphthalate	1.341	1.334	1.504	1.396	1.245		1.364	7.0
2,6-Dinitrotoluene	0.217	0.238	0.277	0.269	0.265		0.253	9.9
Acenaphthylene	1.652	1.643	1.868	1.677	1.477		1.663	8.3
3-Nitroaniline		0.221	0.250	0.240	0.228	0.232	0.234	4.7
Acenaphthene	1.155	1.191	1.295	1.175	1.079		1.179	6.6
2,4-Dinitrophenol		0.074	0.104	0.128	0.162	0.179	0.129	32.8
4-Nitrophenol		0.151	0.194	0.213	0.216	0.228	0.200	15.0
Dibenzofuran	1.605	1.682	1.847	1.695	1.482		1.662	8.0
2,4-Dinitrotoluene	0.334	0.346	0.411	0.406	0.384		0.376	9.3
Diethylphthalate	1.290	1.289	1.462	1.338	1.214		1.319	7.0
2-Chlorophenol	0.995	1.193	1.372	1.249	1.227		1.207	11.3

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124

Instrument ID: _____ Calibration Date(s): 12/11/2024

Calibration Time(s): 13:23

LAB FILE ID:		RRFAL1 = BG063651.D		RRFAL2 = BG063652.D		RRFAL3 = BG063653.D		
		RRFAL4 = BG063654.D		RRFAL5 = BG063655.D		RRFAL6 = BG063656.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.338	1.354	1.472	1.310	1.163		1.327	8.3
4-Chlorophenyl-phenylether	0.737	0.741	0.814	0.743	0.663		0.739	7.2
4-Nitroaniline		0.208	0.267	0.248	0.224	0.226	0.234	9.8
4,6-Dinitro-2-methylphenol		0.087	0.106	0.112	0.115	0.115	0.107	11.1
N-Nitrosodiphenylamine	0.451	0.488	0.533	0.486	0.463		0.484	6.5
1,2,4,5-Tetrachlorobenzene	0.604	0.627	0.694	0.654	0.623		0.640	5.4
4-Bromophenyl-phenylether	0.187	0.198	0.227	0.207	0.200		0.204	7.4
Hexachlorobenzene	0.223	0.230	0.249	0.221	0.219		0.228	5.4
Atrazine		0.201	0.225	0.213	0.199	0.186	0.205	7.2
Pentachlorophenol		0.071	0.090	0.097	0.108	0.115	0.096	17.8
2-Methylphenol		1.316	1.568	1.465	1.384	1.361	1.419	7.0
Phenanthrene	0.964	0.985	1.066	0.970	0.834		0.964	8.6
Pentachlorobenzene	0.247	0.261	0.288	0.266	0.260		0.264	5.7
Anthracene	0.958	0.994	1.104	0.987	0.835		0.975	9.9
1,2,3,4-Tetrachlorobenzene	0.235	0.264	0.293	0.271	0.271		0.267	7.8
Carbazole		0.822	0.925	0.848	0.754	0.599	0.790	15.6
Di-n-butylphthalate	0.957	0.964	1.072	0.956	0.820		0.954	9.4
Fluoranthene	1.179	1.254	1.324	1.190	0.967		1.183	11.3
Pyrene	1.265	1.339	1.449	1.252	0.987		1.259	13.6
Butylbenzylphthalate	0.382	0.370	0.415	0.390	0.375		0.386	4.5
3,3-Dichlorobenzidine		0.365	0.405	0.371	0.355	0.309	0.361	9.6
2,2-oxybis (1-Chloropropane)		2.203	2.500	2.268	2.137	2.040	2.230	7.8
Benzo (a) anthracene	1.254	1.274	1.415	1.251	1.073		1.253	9.7
Chrysene	1.228	1.201	1.351	1.189	1.004		1.195	10.4
Bis (2-ethylhexyl) phthalate	0.563	0.550	0.617	0.559	0.521		0.562	6.3
Di-n-octyl phthalate		0.914	0.987	0.912	0.826	0.677	0.863	13.8
Benzo (b) fluoranthene	1.064	1.121	1.270	1.150	1.079		1.137	7.2
Benzo (k) fluoranthene	1.090	1.149	1.279	1.148	1.003		1.134	8.9
Benzo (a) pyrene	0.989	1.046	1.199	1.094	1.007		1.067	7.9
Indeno (1,2,3-cd) pyrene	1.193	1.272	1.436	1.325	1.290		1.303	6.8
Dibenzo (a,h) anthracene	0.930	1.020	1.169	1.066	1.028		1.043	8.3
Benzo (g,h,i) perylene	0.977	1.012	1.133	1.041	1.007		1.034	5.8
Acetophenone		2.390	2.742	2.504	2.332	2.160	2.426	8.9
2,3,4,6-Tetrachlorophenol	0.275	0.320	0.346	0.348	0.339		0.326	9.2
1,4-Dioxane-d8	0.446	0.484	0.598	0.481	0.543		0.510	11.8
Pyridine-d5		1.381	1.735	1.588	1.794	1.553	1.610	10.1

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124
Instrument ID: _____ Calibration Date(s): 12/11/2024 _____
Calibration Time(s): 13:23 _____

LAB FILE ID:		RRFAL1 = BG063651.D			RRFAL2 = BG063652.D		RRFAL3 = BG063653.D	
		RRFAL4 = BG063654.D			RRFAL5 = BG063655.D		RRFAL6 = BG063656.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.679	2.009	1.888	1.812	1.823	1.842	6.5
Bis-(2-Chloroethyl)ether-d8		1.201	1.404	1.260	1.261	1.236	1.272	6.1
2-Chlorophenol-d4	1.063	1.162	1.331	1.232	1.175		1.193	8.2
4-Methylphenol-d8		1.365	1.553	1.475	1.372	1.386	1.430	5.7
Nitrobenzene-d5	0.125	0.139	0.153	0.149	0.148		0.143	7.7
2-Nitrophenol-d4	0.149	0.145	0.169	0.171	0.168		0.160	7.6
2,4-Dichlorophenol-d3	0.275	0.296	0.343	0.324	0.312		0.310	8.4
4-Chloroaniline-d4		0.377	0.422	0.414	0.391	0.364	0.394	6.2
4-Methylphenol		1.415	1.728	1.625	1.514	1.482	1.553	8.0
Dimethylphthalate-d6	1.331	1.366	1.489	1.367	1.251		1.361	6.3
Acenaphthylene-d8	1.521	1.520	1.726	1.572	1.418		1.551	7.2
4-Nitrophenol-d4		0.145	0.195	0.204	0.207	0.213	0.193	14.4
Fluorene-d10	1.172	1.190	1.335	1.215	1.104		1.203	7.0
4,6-Dinitro-2-methylphenol-		0.088	0.099	0.107	0.111	0.113	0.104	9.9
Anthracene-d10	0.869	0.871	0.938	0.848	0.773		0.860	6.9
Pyrene-d10	1.011	1.102	1.159	1.044	0.887		1.041	9.9
Benzo(a)pyrene-d12	0.866	0.913	1.046	0.956	0.916		0.939	7.2
N-Nitroso-di-n-propylamine	1.342	1.371	1.614	1.522	1.388		1.447	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG NO.: BG121224

EPA Sample No.: SSTD020433 Date Analyzed: Dec 12 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 10:11

Instrument 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	134078	7.812	591107	10.60	436199	14.45
UPPER LIMIT	268156	8.312	1182214	11.103	872398	14.951
LOWER LIMIT	67039	7.312	295553.5	10.103	218099.5	13.951
EPA SAMPLE NO.						
01 SBLK481	125144	7.81	493363	10.60	372692	14.45
02 E28P8	167412	7.81	707784	10.60	489075	14.45
03 E28P3	194333	7.81	777369	10.60	534947	14.45
04 E28P9	186190	7.82	747023	10.60	533227	14.45
05 E28Q0	207246	7.82	811280	10.60	552656	14.45
06 E28Q1	220363	7.81	881724	10.60	591564	14.45
07 E28Q2	238322	7.82	943336	10.61	624890	14.45
08 E28P3DL	195099	7.82	797340	10.61	548438	14.45
09 E28Q4	241551	7.82	910052	10.61	581054	14.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG NO.: BG121224

EPA Sample No.: SSTD020562 Date Analyzed: Dec 12 2024 12:00AM

Lab File ID: BG063659.D Time Analyzed: 10:11

Instrument 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	124622	7.806	528468	10.60	388642	14.45
UPPER LIMIT	249244	8.306	1056936	11.097	777284	14.951
LOWER LIMIT	62311	7.306	264234	10.097	194321	13.951
EPA SAMPLE NO.						
01 SBLK481	125144	7.81	493363	10.60	372692	14.45
02 E28P8	167412	7.81	707784	10.60	489075	14.45
03 E28P3	194333	7.81	777369	10.60	534947	14.45
04 E28P9	186190	7.82	747023	10.60	533227	14.45
05 E28Q0	207246	7.82	811280	10.60	552656	14.45
06 E28Q1	220363	7.81	881724	10.60	591564	14.45
07 E28Q2	238322	7.82	943336	10.61	624890	14.45
08 E28P3DL	195099	7.82	797340	10.61	548438	14.45
09 E28Q4	241551	7.82	910052	10.61	581054	14.46

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG NO.: BG121224

EPA Sample No.: SSTD020433 Date Analyzed: Dec 12 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 10:11

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	1.04718e+01	17.207	1.05243e+	21.461	1.14487e+01	24.481
UPPER LIMIT	2094360	17.707	2104860	21.961	2289740	24.981
LOWER LIMIT	523590	16.707	526215	20.961	572435	23.981
EPA SAMPLE NO.						
01 SBLK481	928603	17.20	983267	21.45	1.08016e+	24.47
02 E28P8	1.08953	17.20	1.10747e+	21.45	1.20178e+	24.47
03 E28P3	1.10133	17.21	1.07395e+	21.47	1.2506e+0	24.49
04 E28P9	1.12012	17.20	1.08526e+	21.46	1.21825e+	24.50
05 E28Q0	1.14983	17.21	1.10819e+	21.45	1.26175e+	24.48
06 E28Q1	1.19243	17.20	1.09688e+	21.46	1.21817e+	24.51
07 E28Q2	1.26295	17.20	1.16771e+	21.46	1.31909e+	24.49
08 E28P3DL	1.12812	17.20	1.05481e+	21.46	1.22692e+	24.48
09 E28Q4	1.17789	17.21	1.04074e+	21.47	842826	24.53

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG121224 SAS No.: BG121224 SDG NO.: BG121224

EPA Sample No.: SSTD020562 Date Analyzed: Dec 12 2024 12:00AM

Lab File ID: BG063659.D Time Analyzed: 10:11

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	948562	17.201	915195	21.455	1.00429e+01	24.469
UPPER LIMIT	1897124	17.701	1830390	21.955	2008580	24.969
LOWER LIMIT	474281	16.701	457597.5	20.955	502145	23.969
EPA SAMPLE NO.						
01 SBLK481	928603	17.20	983267	21.45	1.08016e+	24.47
02 E28P8	1.08953	17.20	1.10747e+	21.45	1.20178e+	24.47
03 E28P3	1.10133	17.21	1.07395e+	21.47	1.2506e+0	24.49
04 E28P9	1.12012	17.20	1.08526e+	21.46	1.21825e+	24.50
05 E28Q0	1.14983	17.21	1.10819e+	21.45	1.26175e+	24.48
06 E28Q1	1.19243	17.20	1.09688e+	21.46	1.21817e+	24.51
07 E28Q2	1.26295	17.20	1.16771e+	21.46	1.31909e+	24.49
08 E28P3DL	1.12812	17.20	1.05481e+	21.46	1.22692e+	24.48
09 E28Q4	1.17789	17.21	1.04074e+	21.47	842826	24.53

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.

SBLK481

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG121224

SAS No.: BG121224 SDG NO.: BG121224

Lab File ID: BG063660.D

Lab Sample ID: PB165481BL

Instrument ID: BNA_G

Date Extracted: 12/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/12/2024

Level: (low/med) LOW

Time Analyzed: 10:11

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E28P8	P5153-11	BG063661.D	12/12/2024
E28P3	P5153-05	BG063662.D	12/12/2024
E28P9	P5153-12	BG063663.D	12/12/2024
E28Q0	P5153-13	BG063664.D	12/12/2024
E28Q1	P5153-14	BG063665.D	12/12/2024
E28Q2	P5153-15	BG063666.D	12/12/2024
E28Q4	P5153-17	BG063668.D	12/12/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BG121224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5153-05	E28P3	BG063662.D	1,4-Dioxane-d8	8	4.52	56		15	120
			Pyridine-d5	40	21.28	53		20	120
			Phenol-d5	40	25.36	63		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.57	64		10	150
			2-Chlorophenol-d4	40	25.46	64		15	120
			4-Methylphenol-d8	40	24.61	62		10	140
			Nitrobenzene-d5	40	27.68	69		10	135
			2-Nitrophenol-d4	40	24.45	61		10	120
			2,4-Dichlorophenol-d3	40	24.52	61		10	140
			4-Chloroaniline-d4	40	22.23	56		1	145
			Dimethylphthalate-d6	40	26.88	67		10	145
			Acenaphthylene-d8	40	28.67	72		15	120
			4-Nitrophenol-d4	40	7.30	18		10	150
			Fluorene-d10	40	26.78	67		20	140
			4,6-Dinitro-2-methylphenol-d2	40	1.90	5	*	10	130
			Anthracene-d10	40	28.92	72		10	150
			Pyrene-d10	40	25.95	65		10	130
			Benzo(a)pyrene-d12	40	26.66	67		10	140
P5153-05DL	E28P3DL	BG063667.D	1,4-Dioxane-d8	8	5.41	68		15	120
			Pyridine-d5	40	24.74	62		20	120
			Phenol-d5	40	28.10	70		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.17	68		10	150
			2-Chlorophenol-d4	40	29.44	74		15	120
			4-Methylphenol-d8	40	27.27	68		10	140
			Nitrobenzene-d5	40	28.23	71		10	135
			2-Nitrophenol-d4	40	23.63	59		10	120
			2,4-Dichlorophenol-d3	40	28.17	70		10	140
			4-Chloroaniline-d4	40	23.76	59		1	145
			Dimethylphthalate-d6	40	30.36	76		10	145
			Acenaphthylene-d8	40	32.20	81		15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	31.21	78		20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	33.77	84		10	150
			Pyrene-d10	40	32.60	81		10	130
			Benzo(a)pyrene-d12	40	29.96	75		10	140
P5153-11	E28P8	BG063661.D	Pyridine-d5	40	16.61	42		20	120
			1,4-Dioxane-d8	8	3.39	42		15	120
			Phenol-d5	40	18.06	45		10	130
			Bis(2-Chloroethyl)ether-d8	40	17.91	45		10	150
			2-Chlorophenol-d4	40	18.13	45		15	120
			4-Methylphenol-d8	40	15.96	40		10	140
			Nitrobenzene-d5	40	17.49	44		10	135
			2-Nitrophenol-d4	40	17.63	44		10	120
			2,4-Dichlorophenol-d3	40	17.67	44		10	140
			4-Chloroaniline-d4	40	10.99	27		1	145
			Dimethylphthalate-d6	40	18.43	46		10	145
			Acenaphthylene-d8	40	18.80	47		15	120
			4-Nitrophenol-d4	40	11.51	29		10	150

Surrogate Summary

SW-846

SDG No.: **BG121224**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5153-11	E28P8	BG063661.D	Fluorene-d10	40	17.50	44		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.78	27		10	130
			Anthracene-d10	40	17.03	43		10	150
			Pyrene-d10	40	15.14	38		10	130
			Benzo(a)pyrene-d12	40	12.54	31		10	140
P5153-12	E28P9	BG063663.D	1,4-Dioxane-d8	8	5.48	69		15	120
			Pyridine-d5	40	29.56	74		20	120
			Phenol-d5	40	34.37	86		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.80	82		10	150
			2-Chlorophenol-d4	40	34.77	87		15	120
			4-Methylphenol-d8	40	30.51	76		10	140
			Nitrobenzene-d5	40	37.20	93		10	135
			2-Nitrophenol-d4	40	37.62	94		10	120
			2,4-Dichlorophenol-d3	40	37.21	93		10	140
			4-Chloroaniline-d4	40	17.28	43		1	145
			Dimethylphthalate-d6	40	37.01	93		10	145
			Acenaphthylene-d8	40	37.36	93		15	120
			4-Nitrophenol-d4	40	32.57	81		10	150
			Fluorene-d10	40	35.73	89		20	140
			4,6-Dinitro-2-methylphenol-d2	40	23.37	58		10	130
			Anthracene-d10	40	37.18	93		10	150
			Pyrene-d10	40	34.78	87		10	130
			Benzo(a)pyrene-d12	40	33.40	84		10	140
P5153-13	E28Q0	BG063664.D	1,4-Dioxane-d8	8	3.95	49		15	120
			Pyridine-d5	40	18.20	46		20	120
			Phenol-d5	40	22.01	55		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.96	52		10	150
			2-Chlorophenol-d4	40	22.62	57		15	120
			4-Methylphenol-d8	40	16.78	42		10	140
			Nitrobenzene-d5	40	24.00	60		10	135
			2-Nitrophenol-d4	40	24.66	62		10	120
			2,4-Dichlorophenol-d3	40	22.97	57		10	140
			4-Chloroaniline-d4	40	15.03	38		1	145
			Dimethylphthalate-d6	40	24.24	61		10	145
			Acenaphthylene-d8	40	21.77	54		15	120
			4-Nitrophenol-d4	40	15.23	38		10	150
			Fluorene-d10	40	18.59	46		20	140
			4,6-Dinitro-2-methylphenol-d2	40	6.45	16		10	130
			Anthracene-d10	40	19.44	49		10	150
			Pyrene-d10	40	16.70	42		10	130
			Benzo(a)pyrene-d12	40	13.49	34		10	140
P5153-14	E28Q1	BG063665.D	1,4-Dioxane-d8	8	3.58	45		15	120
			Pyridine-d5	40	13.18	33		20	120
			Phenol-d5	40	21.47	54		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.01	53		10	150
			2-Chlorophenol-d4	40	22.52	56		15	120
			4-Methylphenol-d8	40	20.64	52		10	140
			Nitrobenzene-d5	40	23.49	59		10	135
			2-Nitrophenol-d4	40	24.43	61		10	120

Surrogate Summary

SW-846

SDG No.: BG121224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5153-14	E28Q1	BG063665.D	2,4-Dichlorophenol-d3	40	22.99	57		10	140
			4-Chloroaniline-d4	40	7.06	18		1	145
			Dimethylphthalate-d6	40	23.78	59		10	145
			Acenaphthylene-d8	40	24.80	62		15	120
			4-Nitrophenol-d4	40	15.04	38		10	150
			Fluorene-d10	40	23.51	59		20	140
			4,6-Dinitro-2-methylphenol-d2	40	5.60	14		10	130
			Anthracene-d10	40	25.81	65		10	150
			Pyrene-d10	40	25.77	64		10	130
			Benzo(a)pyrene-d12	40	23.11	58		10	140
P5153-15	E28Q2	BG063666.D	1,4-Dioxane-d8	8	3.02	38		15	120
			Pyridine-d5	40	15.98	40		20	120
			Phenol-d5	40	22.78	57		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.90	52		10	150
			2-Chlorophenol-d4	40	22.95	57		15	120
			4-Methylphenol-d8	40	20.94	52		10	140
			Nitrobenzene-d5	40	24.25	61		10	135
			2-Nitrophenol-d4	40	24.23	61		10	120
			2,4-Dichlorophenol-d3	40	23.76	59		10	140
			4-Chloroaniline-d4	40	13.34	33		1	145
			Dimethylphthalate-d6	40	24.66	62		10	145
			Acenaphthylene-d8	40	24.77	62		15	120
			4-Nitrophenol-d4	40	18.89	47		10	150
			Fluorene-d10	40	23.22	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	1.70	4	*	10	130
			Anthracene-d10	40	24.72	62		10	150
			Pyrene-d10	40	23.80	60		10	130
			Benzo(a)pyrene-d12	40	21.28	53		10	140
P5153-17	E28Q4	BG063668.D	1,4-Dioxane-d8	8	3.99	50		15	120
			Pyridine-d5	40	20.13	50		20	120
			Phenol-d5	40	21.85	55		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.72	59		10	150
			2-Chlorophenol-d4	40	23.91	60		15	120
			4-Methylphenol-d8	40	17.00	43		10	140
			Nitrobenzene-d5	40	24.36	61		10	135
			2-Nitrophenol-d4	40	19.71	49		10	120
			2,4-Dichlorophenol-d3	40	24.17	60		10	140
			4-Chloroaniline-d4	40	3.11	8		1	145
			Dimethylphthalate-d6	40	27.45	69		10	145
			Acenaphthylene-d8	40	18.50	46		15	120
			4-Nitrophenol-d4	40	11.66	29		10	150
			Fluorene-d10	40	25.30	63		20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.14	0	*	10	130
			Anthracene-d10	40	23.33	58		10	150
			Pyrene-d10	40	25.28	63		10	130
			Benzo(a)pyrene-d12	40	23.29	58		10	140
PB165481BL	PB165481BL	BG063660.D	Pyridine-d5	40	28.21	71		20	120
			1,4-Dioxane-d8	8	6.41	80		15	120
			Phenol-d5	40	27.61	69		10	130

Surrogate Summary

SW-846

SDG No.: BG121224

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165481BL	PB165481BL	BG063660.D	Bis(2-Chloroethyl)ether-d8	40	26.51	66		10	150
			2-Chlorophenol-d4	40	28.47	71		15	120
			4-Methylphenol-d8	40	26.21	66		10	140
			Nitrobenzene-d5	40	26.75	67		10	135
			2-Nitrophenol-d4	40	26.87	67		10	120
			2,4-Dichlorophenol-d3	40	28.05	70		10	140
			4-Chloroaniline-d4	40	25.50	64		1	145
			Dimethylphthalate-d6	40	29.48	74		10	145
			Acenaphthylene-d8	40	29.17	73		15	120
			4-Nitrophenol-d4	40	21.36	53		10	150
			Fluorene-d10	40	29.90	75		20	140
			4,6-Dinitro-2-methylphenol-d2	40	20.32	51		10	130
			Anthracene-d10	40	28.87	72		10	150
			Pyrene-d10	40	29.13	73		10	130
			Benzo(a)pyrene-d12	40	29.68	74		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG121224

Lab Code: CHEM

SAS No.: BG121224

SDG NO.: BG121224

Lab File ID: BG063658.D

DFTPP Injection Date: 12/12/2024

Instrument ID: BNA_G

DFTPP Injection Time: 08:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.6
68	Less than 2.0% of mass 69	0.5 (1.2) 1
69	Mass 69 relative abundance	45.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	37.3
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	4.2
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	13.7 (19.2) 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
SSTD020562	SSTDCCC020	BG063659.D	12/12/2024	09:32
SBLK481	PB165481BL	BG063660.D	12/12/2024	10:11
E28P8	P5153-11	BG063661.D	12/12/2024	10:48
E28P3	P5153-05	BG063662.D	12/12/2024	11:26
E28P9	P5153-12	BG063663.D	12/12/2024	12:04
E28Q0	P5153-13	BG063664.D	12/12/2024	12:41
E28Q1	P5153-14	BG063665.D	12/12/2024	13:19
E28Q2	P5153-15	BG063666.D	12/12/2024	13:57
E28P3DL	P5153-05DL	BG063667.D	12/12/2024	14:34
E28Q4	P5153-17	BG063668.D	12/12/2024	15:12
SSTD020563	SSTDCCC020EC	BG063669.D	12/12/2024	16:10