

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG No.: BG121624
Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 10:34
Lab File ID: BG063682.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020566 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	0.524	0.010	-13.1677	40.0
Benzaldehyde	1.130	1.206	0.010	6.745	40.0
Pyridine	1.724	1.476	0.010	-14.4136	40.0
Phenol	1.963	1.866	0.080	-4.9368	20.0
Bis(2-Chloroethyl)ether	1.502	1.406	0.100	-6.3732	20.0
2-Chlorophenol	1.207	1.228	0.200	1.7519	20.0
2-Methylphenol	1.419	1.391	0.010	-1.9828	20.0
2,2-oxybis(1-Chloropropane)	2.230	2.116	0.010	-5.0953	40.0
Acetophenone	2.426	2.404	0.060	-0.8827	20.0
4-Methylphenol	1.553	1.552	0.010	-0.0496	20.0
N-Nitroso-di-n-propylamine	1.447	1.350	0.050	-6.7489	30.0
Hexachloroethane	0.593	0.537	0.100	-9.5389	20.0
Nitrobenzene	0.477	0.457	0.050	-4.1023	25.0
Isophorone	0.901	0.860	0.050	-4.505	25.0
2-Nitrophenol	0.165	0.174	0.050	5.8273	25.0
2,4-Dimethylphenol	0.373	0.380	0.050	1.6851	25.0
Bis(2-Chloroethoxy)methane	0.487	0.483	0.050	-0.9652	20.0
2,4-Dichlorophenol	0.308	0.304	0.060	-1.135	20.0
Naphthalene	1.000	1.017	0.200	1.6743	20.0
4-Chloroaniline	0.374	0.399	0.010	6.6251	40.0
Hexachlorobutadiene	0.250	0.222	0.040	-11.384	30.0
Caprolactam	0.106	0.109	0.010	1.9675	40.0
4-Chloro-3-methylphenol	0.362	0.370	0.040	2.3253	25.0
1-Methylnaphthalene	0.732	0.729	0.100	-0.401	20.0
2-Methylnaphthalene	0.719	0.714	0.100	-0.703	20.0
Hexachlorocyclopentadiene	0.253	0.243	0.010	-3.8251	40.0
2,4,6-Trichlorophenol	0.362	0.354	0.090	-2.2718	25.0
2,4,5-Trichlorophenol	0.378	0.374	0.100	-0.9075	25.0
1,1-Biphenyl	1.319	1.387	0.200	5.1561	20.0
2-Chloronaphthalene	1.059	1.087	0.300	2.6091	20.0
2-Nitroaniline	0.355	0.388	0.050	9.4076	40.0
Dimethylphthalate	1.364	1.357	0.300	-0.4735	20.0
2,6-Dinitrotoluene	0.253	0.262	0.080	3.3949	30.0
Acenaphthylene	1.663	1.724	0.400	3.6232	20.0
3-Nitroaniline	0.234	0.253	0.010	8.2244	40.0
Acenaphthene	1.179	1.194	0.200	1.2408	20.0
2,4-Dinitrophenol	0.129	0.110	0.010	-15.3807	40.0
4-Nitrophenol	0.200	0.157	0.010	-21.6926	40.0
Dibenzofuran	1.662	1.698	0.300	2.176	20.0

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Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG No.: BG121624

Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 10:34

Lab File ID: BG063682.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020566 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	0.381	0.070	1.2428	30.0
Diethylphthalate	1.319	1.313	0.300	-0.4117	20.0
Fluorene	1.327	1.336	0.200	0.6786	20.0
4-Chlorophenyl-phenylether	0.739	0.715	0.100	-3.3548	20.0
4-Nitroaniline	0.234	0.251	0.010	7.0924	40.0
4,6-Dinitro-2-methylphenol	0.107	0.105	0.010	-1.7481	40.0
N-Nitrosodiphenylamine	0.484	0.542	0.050	11.9559	20.0
1,2,4,5-Tetrachlorobenzene	0.640	0.603	0.100	-5.8929	20.0
4-Bromophenyl-phenylether	0.204	0.213	0.070	4.558	20.0
Hexachlorobenzene	0.228	0.236	0.050	3.2396	25.0
Atrazine	0.205	0.220	0.010	7.3827	25.0
Pentachlorophenol	0.096	0.085	0.010	-11.7591	40.0
Phenanthrene	0.964	1.030	0.200	6.8633	20.0
Pentachlorobenzene	0.264	0.292	0.050	10.5299	20.0
Anthracene	0.975	1.059	0.200	8.5264	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.298	0.050	11.8618	20.0
Carbazole	0.790	0.880	0.050	11.3877	40.0
Di-n-butylphthalate	0.954	1.050	0.500	10.1215	25.0
Fluoranthene	1.183	1.256	0.400	6.1368	25.0
Pyrene	1.259	1.336	0.400	6.1699	25.0
Butylbenzylphthalate	0.386	0.496	0.100	28.463	40.0
3,3-Dichlorobenzidine	0.361	0.428	0.010	18.6698	40.0
Benzo (a) anthracene	1.253	1.269	0.300	1.219	30.0
Chrysene	1.195	1.204	0.200	0.783	30.0
Bis (2-ethylhexyl) phthalate	0.562	0.717	0.200	27.5237	40.0
Di-n-octyl phthalate	0.863	1.177	0.010	36.37	40.0
Benzo (b) fluoranthene	1.137	1.144	0.200	0.6627	25.0
Benzo (k) fluoranthene	1.134	1.151	0.200	1.4911	25.0
Benzo (a) pyrene	1.067	1.074	0.200	0.6413	20.0
Indeno (1,2,3-cd) pyrene	1.303	1.348	0.200	3.4764	25.0
Dibenzo (a,h) anthracene	1.043	1.110	0.200	6.4625	30.0
Benzo (g,h,i) perylene	1.034	1.058	0.200	2.3514	30.0
2,3,4,6-Tetrachlorophenol	0.326	0.308	0.040	-5.4633	20.0
1,4-Dioxane-d8	0.510	0.452	0.010	-11.5009	25.0
Pyridine-d5	1.610	1.349	0.010	-16.2388	40.0
Phenol-d5	1.842	1.764	0.010	-4.2523	25.0
Bis- (2-Chloroethyl) ether-d8	1.272	1.146	0.050	-9.9307	25.0
2-Chlorophenol-d4	1.193	1.173	0.200	-1.6383	20.0
4-Methylphenol-d8	1.430	1.400	0.010	-2.0934	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG No.: BG121624

Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 10:34

Lab File ID: BG063682.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020566 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.152	0.050	6.6062	20.0
2-Nitrophenol-d4	0.160	0.168	0.050	5.0995	30.0
2,4-Dichlorophenol-d3	0.310	0.324	0.060	4.4409	20.0
4-Chloroaniline-d4	0.394	0.417	0.010	5.9005	40.0
Dimethylphthalate-d6	1.361	1.336	0.300	-1.8239	20.0
Acenaphthylene-d8	1.551	1.599	0.400	3.0542	20.0
4-Nitrophenol-d4	0.193	0.166	0.010	-14.1667	40.0
Fluorene-d10	1.203	1.196	0.100	-0.6367	20.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.103	0.010	-0.4488	40.0
Anthracene-d10	0.860	0.906	0.300	5.3543	20.0
Pyrene-d10	1.041	1.072	0.300	2.9785	25.0
Benzo(a)pyrene-d12	0.939	0.961	0.010	2.3669	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.: BG121624 SAS No.: BG121624 SDG No.: BG121624

Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 17:16

Lab File ID: BG063691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020567 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	0.528	0.010	-12.5604	50.0
Benzaldehyde	1.130	1.094	0.010	-3.1542	50.0
Pyridine	1.724	1.541	0.010	-10.6647	50.0
Phenol	1.963	1.739	0.080	-11.3945	50.0
Bis(2-Chloroethyl)ether	1.502	1.343	0.100	-10.5779	50.0
2-Chlorophenol	1.207	1.189	0.200	-1.5114	50.0
2-Methylphenol	1.419	1.312	0.010	-7.5179	50.0
2,2-oxybis(1-Chloropropane)	2.230	2.080	0.010	-6.6972	50.0
Acetophenone	2.426	2.231	0.060	-8.0338	50.0
4-Methylphenol	1.553	1.466	0.010	-5.581	50.0
N-Nitroso-di-n-propylamine	1.447	1.301	0.050	-10.0865	50.0
Hexachloroethane	0.593	0.491	0.100	-17.1958	50.0
Nitrobenzene	0.477	0.441	0.050	-7.5921	50.0
Isophorone	0.901	0.853	0.050	-5.3788	50.0
2-Nitrophenol	0.165	0.154	0.050	-6.4324	50.0
2,4-Dimethylphenol	0.373	0.366	0.050	-1.9102	50.0
Bis(2-Chloroethoxy)methane	0.487	0.466	0.050	-4.4658	50.0
2,4-Dichlorophenol	0.308	0.308	0.060	-0.0103	50.0
Naphthalene	1.000	0.989	0.200	-1.0668	50.0
4-Chloroaniline	0.374	0.391	0.010	4.3414	50.0
Hexachlorobutadiene	0.250	0.220	0.040	-12.1625	50.0
Caprolactam	0.106	0.121	0.010	14.0439	50.0
4-Chloro-3-methylphenol	0.362	0.354	0.040	-2.0117	50.0
1-Methylnaphthalene	0.732	0.739	0.100	0.9337	50.0
2-Methylnaphthalene	0.719	0.700	0.100	-2.6582	50.0
Hexachlorocyclopentadiene	0.253	0.211	0.010	-16.7151	50.0
2,4,6-Trichlorophenol	0.362	0.356	0.090	-1.6066	50.0
2,4,5-Trichlorophenol	0.378	0.379	0.100	0.4611	50.0
1,1-Biphenyl	1.319	1.398	0.200	5.9751	50.0
2-Chloronaphthalene	1.059	1.109	0.300	4.7164	50.0
2-Nitroaniline	0.355	0.375	0.050	5.6014	50.0
Dimethylphthalate	1.364	1.384	0.300	1.4383	50.0
2,6-Dinitrotoluene	0.253	0.244	0.080	-3.6037	50.0
Acenaphthylene	1.663	1.698	0.400	2.0724	50.0
3-Nitroaniline	0.234	0.258	0.010	10.3241	50.0
Acenaphthene	1.179	1.187	0.200	0.7021	50.0
2,4-Dinitrophenol	0.129	0.011	0.010	-91.6725	50.0
4-Nitrophenol	0.200	0.117	0.010	-41.7192	50.0
Dibenzofuran	1.662	1.734	0.300	4.2961	50.0

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Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG No.: BG121624

Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 17:16

Lab File ID: BG063691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020567 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	0.341	0.070	-9.4204	50.0
Diethylphthalate	1.319	1.351	0.300	2.4917	50.0
Fluorene	1.327	1.375	0.200	3.6036	50.0
4-Chlorophenyl-phenylether	0.739	0.719	0.100	-2.7915	50.0
4-Nitroaniline	0.234	0.279	0.010	18.8611	50.0
4,6-Dinitro-2-methylphenol	0.107	0.028	0.010	-74.1093	50.0
N-Nitrosodiphenylamine	0.484	0.554	0.050	14.4656	50.0
1,2,4,5-Tetrachlorobenzene	0.640	0.601	0.100	-6.1221	50.0
4-Bromophenyl-phenylether	0.204	0.215	0.070	5.4444	50.0
Hexachlorobenzene	0.228	0.233	0.050	1.9019	50.0
Atrazine	0.205	0.230	0.010	12.288	50.0
Pentachlorophenol	0.096	0.040	0.010	-57.9531	50.0
Phenanthrene	0.964	1.046	0.200	8.4928	50.0
Pentachlorobenzene	0.264	0.281	0.050	6.2037	50.0
Anthracene	0.975	1.070	0.200	9.6569	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.286	0.050	7.3616	50.0
Carbazole	0.790	0.924	0.050	16.9635	50.0
Di-n-butylphthalate	0.954	1.117	0.500	17.1304	50.0
Fluoranthene	1.183	1.321	0.400	11.6413	50.0
Pyrene	1.259	1.368	0.400	8.7179	50.0
Butylbenzylphthalate	0.386	0.522	0.100	35.1696	50.0
3,3-Dichlorobenzidine	0.361	0.362	0.010	0.2453	50.0
Benzo (a) anthracene	1.253	1.263	0.300	0.764	50.0
Chrysene	1.195	1.212	0.200	1.4275	50.0
Bis (2-ethylhexyl) phthalate	0.562	0.772	0.200	37.3298	50.0
Di-n-octyl phthalate	0.863	1.237	0.010	43.2992	50.0
Benzo (b) fluoranthene	1.137	1.128	0.200	-0.8019	50.0
Benzo (k) fluoranthene	1.134	1.166	0.200	2.7939	50.0
Benzo (a) pyrene	1.067	1.072	0.200	0.4724	50.0
Indeno (1,2,3-cd) pyrene	1.303	1.381	0.200	5.9648	50.0
Dibenzo (a,h) anthracene	1.043	1.124	0.200	7.8186	50.0
Benzo (g,h,i) perylene	1.034	1.066	0.200	3.0693	50.0
2,3,4,6-Tetrachlorophenol	0.326	0.265	0.040	-18.6787	50.0
1,4-Dioxane-d8	0.510	0.486	0.010	-4.8646	50.0
Pyridine-d5	1.610	1.504	0.010	-6.5622	50.0
Phenol-d5	1.842	1.595	0.010	-13.4326	50.0
Bis- (2-Chloroethyl) ether-d8	1.272	1.014	0.050	-20.2566	50.0
2-Chlorophenol-d4	1.193	1.161	0.200	-2.6394	50.0
4-Methylphenol-d8	1.430	1.331	0.010	-6.925	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG No.: BG121624

Instrument ID: BNA_G Calibration Date/Time: 12/16/2024 : 17:16

Lab File ID: BG063691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020567 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.151	0.050	5.8067	50.0
2-Nitrophenol-d4	0.160	0.144	0.050	-9.8727	50.0
2,4-Dichlorophenol-d3	0.310	0.313	0.060	0.8524	50.0
4-Chloroaniline-d4	0.394	0.413	0.010	4.8755	50.0
Dimethylphthalate-d6	1.361	1.397	0.300	2.6794	50.0
Acenaphthylene-d8	1.551	1.608	0.400	3.6754	50.0
4-Nitrophenol-d4	0.193	0.122	0.010	-36.609	50.0
Fluorene-d10	1.203	1.228	0.100	2.0839	50.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.025	0.010	-75.6549	50.0
Anthracene-d10	0.860	0.930	0.300	8.1639	50.0
Pyrene-d10	1.041	1.100	0.300	5.7287	50.0
Benzo(a)pyrene-d12	0.939	0.967	0.010	2.9787	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	SBLK588	SDG No.:	BG121624
Lab Sample ID:	PB165588BL	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
BG063683.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165588

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:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	SBLK588	SDG No.:	BG121624
Lab Sample ID:	PB165588BL	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
BG063683.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165588

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:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	SBLK588	SDG No.:	BG121624
Lab Sample ID:	PB165588BL	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
BG063683.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165588

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	5.773		15-120		72	SPK: -8
7291-22-7	Pyridine-d5	25.597		20-120		64	SPK: -40
4165-62-2	Phenol-d5	30.265		10-130		76	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.66		10-150		72	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.194		15-120		78	SPK: -40
190780-66-6	4-Methylphenol-d8	30.27		10-140		76	SPK: -40
4165-60-0	Nitrobenzene-d5	34.273		10-135		86	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.411		10-120		84	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.052		10-140		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	33.759		1-145		84	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.273		10-145		86	SPK: -40
93951-97-4	Acenaphthylene-d8	33.054		15-120		83	SPK: -40
93951-79-2	4-Nitrophenol-d4	33.073		10-150		83	SPK: -40
81103-79-9	Fluorene-d10	34.372		20-140		86	SPK: -40

Report of Analysis

Client:		Date Collected:	12/12/2024 12:00:00 AM
Project:		Date Received:	12/12/2024 12:00:00 AM
Client Sample ID:	SBLK588	SDG No.:	BG121624
Lab Sample ID:	PB165588BL	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
BG063683.D	1	12/12/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165588

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.463		10-130		69	SPK: -40
1719-06-8	Anthracene-d10	35.306		10-150		88	SPK: -40
1718-52-1	Pyrene-d10	34.185		10-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.504		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147189	7.808				
1146-65-2	Naphthalene-d8	605036	10.599				
15067-26-2	Acenaphthene-d10	479961	14.454				
1517-22-2	Phenanthrene-d10	1166431	17.203				
1719-03-5	Chrysene-d12	1124533	21.451				
1520-96-3	Perylene-d12	1223812	24.477				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S2	SDG No.:	BG121624
Lab Sample ID:	P5232-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.9
Sample Wt/Vol:	30.1	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
BG063684.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	8.4	85	ug/Kg
110-86-1	Pyridine	98	U	98	210	420	ug/Kg
100-52-7	Benzaldehyde	74	U	74	110	420	ug/Kg
108-95-2	Phenol	61	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	54.2	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	84	U	84	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	54.2	220	ug/Kg
67-72-1	Hexachloroethane	78	U	78	54.2	220	ug/Kg
98-95-3	Nitrobenzene	82	U	82	54.2	220	ug/Kg
78-59-1	Isophorone	84	U	84	54.2	220	ug/Kg
88-75-5	2-Nitrophenol	77	U	77	54.2	220	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	54.2	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	57	U	57	54.2	220	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	54.2	220	ug/Kg
91-20-3	Naphthalene	35	J	31	54.2	220	ug/Kg
106-47-8	4-Chloroaniline	46	U	46	54.2	420	ug/Kg
87-68-3	Hexachlorobutadiene	45	U	45	54.2	220	ug/Kg
105-60-2	Caprolactam	82	U	82	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	54.2	220	ug/Kg
90-12-0	1-Methylnaphthalene	31	U	31	54.2	220	ug/Kg
91-57-6	2-Methylnaphthalene	41	U	41	54.2	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	31	U	31	54.2	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	54.2	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S2	SDG No.:	BG121624
Lab Sample ID:	P5232-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.9
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
BG063684.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	33	U	33	54.2	220	ug/Kg
91-58-7	2-Chloronaphthalene	42	U	42	54.2	220	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	54.2	220	ug/Kg
131-11-3	Dimethylphthalate	38	U	38	54.2	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	54.2	220	ug/Kg
208-96-8	Acenaphthylene	37	U	37	54.2	220	ug/Kg
99-09-2	3-Nitroaniline	84	U	84	110	420	ug/Kg
83-32-9	Acenaphthene	33	U	33	54.2	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	34	U	34	54.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	45	U	45	54.2	220	ug/Kg
84-66-2	Diethylphthalate	42	U	42	54.2	220	ug/Kg
86-73-7	Fluorene	34	U	34	54.2	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26	U	26	54.2	220	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	110	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	31	U	31	54.2	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	43	U	43	54.2	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33	U	33	54.2	220	ug/Kg
118-74-1	Hexachlorobenzene	36	U	36	54.2	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	70	J	34	54.2	220	ug/Kg
608-93-5	Pentachlorobenzene	47	U	47	54.2	220	ug/Kg
120-12-7	Anthracene	32	U	32	54.2	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	22	U	22	54.2	220	ug/Kg
86-74-8	Carbazole	43	U	43	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	34	U	34	54.2	220	ug/Kg
206-44-0	Fluoranthene	74	J	24	110	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S2	SDG No.:	BG121624
Lab Sample ID:	P5232-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.9
Sample Wt/Vol:	30.1	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
BG063684.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	68	J	23	54.2	220	ug/Kg
85-68-7	Butylbenzylphthalate	28	U	28	54.2	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66	U	66	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	44	J	29	54.2	220	ug/Kg
218-01-9	Chrysene	60	J	31	54.2	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	32	U	32	54.2	220	ug/Kg
117-84-0	Di-n-octyl phthalate	61	U	61	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	86	J	47	54.2	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	48	U	48	54.2	220	ug/Kg
50-32-8	Benzo(a)pyrene	68	J	40	54.2	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45	J	36	54.2	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33	U	33	54.2	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66	J	41	54.2	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46	U	46	54.2	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.741		15-120		34	SPK: -8
7291-22-7	Pyridine-d5	14.259		20-120		36	SPK: -40
4165-62-2	Phenol-d5	19.542		10-130		49	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.464		10-150		46	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.959		15-120		50	SPK: -40
190780-66-6	4-Methylphenol-d8	17.239		10-140		43	SPK: -40
4165-60-0	Nitrobenzene-d5	20.661		10-135		52	SPK: -40
93951-78-1	2-Nitrophenol-d4	21.191		10-120		53	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.481		10-140		54	SPK: -40
191656-33-4	4-Chloroaniline-d4	6.512		1-145		16	SPK: -40
85448-30-2	Dimethylphthalate-d6	21.559		10-145		54	SPK: -40
93951-97-4	Acenaphthylene-d8	21.288		15-120		53	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.533		10-150		51	SPK: -40
81103-79-9	Fluorene-d10	21.636		20-140		54	SPK: -40

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S2	SDG No.:	BG121624
Lab Sample ID:	P5232-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	21.9
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
BG063684.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.597		10-130		36	SPK: -40
1719-06-8	Anthracene-d10	21.75		10-150		54	SPK: -40
1718-52-1	Pyrene-d10	21.17		10-130		53	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.051		10-140		45	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	165483	7.812				
1146-65-2	Naphthalene-d8	715874	10.603				
15067-26-2	Acenaphthene-d10	553458	14.451				
1517-22-2	Phenanthrene-d10	1195449	17.201				
1719-03-5	Chrysene-d12	1103650	21.449				
1520-96-3	Perylene-d12	1201910	24.481				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	420	J			15.809	
000106-02-5	Oxacyclohexadecan-2-one	240	J			18.041	
000057-10-3	n-Hexadecanoic acid	520	J			18.106	
1000351-81-1	Heneicosyl pentafluoropropionate	640	J			21.12	
	(DEL) Alkane: Straight-Chain22.207	640	J			22.207	
	(DEL) Alkane: Straight-Chain23.600	850	J			23.6	
E966796	Total Alkanes	1500				99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S1	SDG No.:	BG121624
Lab Sample ID:	P5232-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	24.2
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
BG063685.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	36	U	36	8.7	88	ug/Kg
100-52-7	Benzaldehyde	230	J	77	110	440	ug/Kg
110-86-1	Pyridine	100	U	100	220	440	ug/Kg
108-95-2	Phenol	54	J	40	110	440	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	110	440	ug/Kg
95-57-8	2-Chlorophenol	37	U	37	56.1	220	ug/Kg
95-48-7	2-Methylphenol	41	U	41	110	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	53	U	53	110	440	ug/Kg
98-86-2	Acetophenone	87	U	87	110	440	ug/Kg
106-44-5	4-Methylphenol	70	U	70	110	440	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	100	U	100	56.1	220	ug/Kg
67-72-1	Hexachloroethane	80	U	80	56.1	220	ug/Kg
98-95-3	Nitrobenzene	84	U	84	56.1	220	ug/Kg
78-59-1	Isophorone	87	U	87	56.1	220	ug/Kg
88-75-5	2-Nitrophenol	79	U	79	56.1	220	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	56.1	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	59	U	59	56.1	220	ug/Kg
120-83-2	2,4-Dichlorophenol	50	U	50	56.1	220	ug/Kg
91-20-3	Naphthalene	32	U	32	56.1	220	ug/Kg
106-47-8	4-Chloroaniline	47	U	47	56.1	440	ug/Kg
87-68-3	Hexachlorobutadiene	46	U	46	56.1	220	ug/Kg
105-60-2	Caprolactam	84	U	84	110	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54	U	54	56.1	220	ug/Kg
90-12-0	1-Methylnaphthalene	32	U	32	56.1	220	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	56.1	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	110	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	32	U	32	56.1	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44	U	44	56.1	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S1	SDG No.:	BG121624
Lab Sample ID:	P5232-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	24.2
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
BG063685.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	34	U	34	56.1	220	ug/Kg
91-58-7	2-Chloronaphthalene	44	U	44	56.1	220	ug/Kg
88-74-4	2-Nitroaniline	59	U	59	56.1	220	ug/Kg
131-11-3	Dimethylphthalate	40	U	40	56.1	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	56.1	220	ug/Kg
208-96-8	Acenaphthylene	38	U	38	56.1	220	ug/Kg
99-09-2	3-Nitroaniline	87	U	87	110	440	ug/Kg
83-32-9	Acenaphthene	34	U	34	56.1	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	110	440	ug/Kg
100-02-7	4-Nitrophenol	58	U	58	110	440	ug/Kg
132-64-9	Dibenzofuran	36	U	36	56.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	46	U	46	56.1	220	ug/Kg
84-66-2	Diethylphthalate	44	U	44	56.1	220	ug/Kg
86-73-7	Fluorene	36	U	36	56.1	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26	U	26	56.1	220	ug/Kg
100-01-6	4-Nitroaniline	32	U	32	110	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	50	U	50	110	440	ug/Kg
86-30-6	N-Nitrosodiphenylamine	32	U	32	56.1	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	45	U	45	56.1	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	34	U	34	56.1	220	ug/Kg
118-74-1	Hexachlorobenzene	37	U	37	56.1	220	ug/Kg
1912-24-9	Atrazine	37	U	37	110	440	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	110	440	ug/Kg
85-01-8	Phenanthrene	62	J	36	56.1	220	ug/Kg
608-93-5	Pentachlorobenzene	49	U	49	56.1	220	ug/Kg
120-12-7	Anthracene	33	U	33	56.1	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	22	U	22	56.1	220	ug/Kg
86-74-8	Carbazole	45	U	45	110	440	ug/Kg
84-74-2	Di-n-butylphthalate	36	U	36	56.1	220	ug/Kg
206-44-0	Fluoranthene	130	J	25	110	220	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S1	SDG No.:	BG121624
Lab Sample ID:	P5232-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	24.2
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
BG063685.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	110	J	24	56.1	220	ug/Kg
85-68-7	Butylbenzylphthalate	29	U	29	56.1	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69	U	69	110	440	ug/Kg
56-55-3	Benzo(a)anthracene	59	J	30	56.1	220	ug/Kg
218-01-9	Chrysene	61	J	32	56.1	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	33	U	33	56.1	220	ug/Kg
117-84-0	Di-n-octyl phthalate	63	U	63	110	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	95	J	49	56.1	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	U	50	56.1	220	ug/Kg
50-32-8	Benzo(a)pyrene	66	J	41	56.1	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	56.1	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	34	U	34	56.1	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54	J	42	56.1	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47	U	47	56.1	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.312		15-120		29	SPK: -8
7291-22-7	Pyridine-d5	9.458		20-120		24	SPK: -40
4165-62-2	Phenol-d5	14.719		10-130		37	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	12.882		10-150		32	SPK: -40
93951-73-6	2-Chlorophenol-d4	14.954		15-120		37	SPK: -40
190780-66-6	4-Methylphenol-d8	11.118		10-140		28	SPK: -40
4165-60-0	Nitrobenzene-d5	14.937		10-135		37	SPK: -40
93951-78-1	2-Nitrophenol-d4	15.79		10-120		39	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	15.351		10-140		38	SPK: -40
191656-33-4	4-Chloroaniline-d4	11.484		1-145		29	SPK: -40
85448-30-2	Dimethylphthalate-d6	15.434		10-145		39	SPK: -40
93951-97-4	Acenaphthylene-d8	14.176		15-120		35	SPK: -40
93951-79-2	4-Nitrophenol-d4	13.825		10-150		35	SPK: -40
81103-79-9	Fluorene-d10	14.003		20-140		35	SPK: -40

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S1	SDG No.:	BG121624
Lab Sample ID:	P5232-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	24.2
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
BG063685.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.791		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	13.859		10-150		35	SPK: -40
1718-52-1	Pyrene-d10	12.442		10-130		31	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	9.593		10-140		24	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195835	7.812				
1146-65-2	Naphthalene-d8	834725	10.603				
15067-26-2	Acenaphthene-d10	638108	14.451				
1517-22-2	Phenanthrene-d10	1357601	17.201				
1719-03-5	Chrysene-d12	1276189	21.455				
1520-96-3	Perylene-d12	1357288	24.475				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	290	J			15.809	
000057-10-3	n-Hexadecanoic acid	190	J			18.1	
E966796	Total Alkanes	34	U			99	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:	E28T1	SDG No.:	BG121624
Lab Sample ID:	P5232-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	Level :
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063686.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	8.2	83	ug/Kg
100-52-7	Benzaldehyde	72	U	72	100	410	ug/Kg
110-86-1	Pyridine	96	U	96	210	410	ug/Kg
108-95-2	Phenol	63	J	37	100	410	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	36	U	36	100	410	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53	210	ug/Kg
95-48-7	2-Methylphenol	39	U	39	100	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	50	U	50	100	410	ug/Kg
98-86-2	Acetophenone	82	U	82	100	410	ug/Kg
106-44-5	4-Methylphenol	66	U	66	100	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	99	U	99	53	210	ug/Kg
67-72-1	Hexachloroethane	76	U	76	53	210	ug/Kg
98-95-3	Nitrobenzene	80	U	80	53	210	ug/Kg
78-59-1	Isophorone	82	U	82	53	210	ug/Kg
88-75-5	2-Nitrophenol	75	U	75	53	210	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	53	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	56	U	56	53	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	53	210	ug/Kg
91-20-3	Naphthalene	62	J	30	53	210	ug/Kg
106-47-8	4-Chloroaniline	45	U	45	53	410	ug/Kg
87-68-3	Hexachlorobutadiene	44	U	44	53	210	ug/Kg
105-60-2	Caprolactam	80	U	80	100	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	51	U	51	53	210	ug/Kg
90-12-0	1-Methylnaphthalene	46	J	30	53	210	ug/Kg
91-57-6	2-Methylnaphthalene	130	J	40	53	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	30	U	30	53	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41	U	41	53	210	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:	E28T1	SDG No.:	BG121624
Lab Sample ID:	P5232-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.1
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
BG063686.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	53	210	ug/Kg
91-58-7	2-Chloronaphthalene	41	U	41	53	210	ug/Kg
88-74-4	2-Nitroaniline	56	U	56	53	210	ug/Kg
131-11-3	Dimethylphthalate	37	U	37	53	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	53	210	ug/Kg
208-96-8	Acenaphthylene	36	U	36	53	210	ug/Kg
99-09-2	3-Nitroaniline	82	U	82	100	410	ug/Kg
83-32-9	Acenaphthene	32	U	32	53	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	410	ug/Kg
100-02-7	4-Nitrophenol	55	U	55	100	410	ug/Kg
132-64-9	Dibenzofuran	34	U	34	53	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	44	U	44	53	210	ug/Kg
84-66-2	Diethylphthalate	41	U	41	53	210	ug/Kg
86-73-7	Fluorene	34	U	34	53	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	25	U	25	53	210	ug/Kg
100-01-6	4-Nitroaniline	30	U	30	100	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	47	U	47	100	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	30	U	30	53	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	42	U	42	53	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	53	210	ug/Kg
118-74-1	Hexachlorobenzene	35	U	35	53	210	ug/Kg
1912-24-9	Atrazine	35	U	35	100	410	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	410	ug/Kg
85-01-8	Phenanthrene	210		34	53	210	ug/Kg
608-93-5	Pentachlorobenzene	46	U	46	53	210	ug/Kg
120-12-7	Anthracene	43	J	31	53	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	53	210	ug/Kg
86-74-8	Carbazole	42	U	42	100	410	ug/Kg
84-74-2	Di-n-butylphthalate	34	U	34	53	210	ug/Kg
206-44-0	Fluoranthene	670		24	100	210	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:	E28T1	SDG No.:	BG121624
Lab Sample ID:	P5232-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.1
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
BG063686.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	730		22	53	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	53	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65	U	65	100	410	ug/Kg
56-55-3	Benzo(a)anthracene	690		29	53	210	ug/Kg
218-01-9	Chrysene	850		30	53	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99	J	31	53	210	ug/Kg
117-84-0	Di-n-octyl phthalate	60	U	60	100	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		46	53	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	550		47	53	210	ug/Kg
50-32-8	Benzo(a)pyrene	1200		39	53	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	760		35	53	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	240		32	53	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		40	53	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	53	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.988		15-120		37	SPK: -8
7291-22-7	Pyridine-d5	14.035		20-120		35	SPK: -40
4165-62-2	Phenol-d5	19.032		10-130		48	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	17.937		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	19.011		15-120		48	SPK: -40
190780-66-6	4-Methylphenol-d8	14.445		10-140		36	SPK: -40
4165-60-0	Nitrobenzene-d5	21.304		10-135		53	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.882		10-120		57	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.794		10-140		52	SPK: -40
191656-33-4	4-Chloroaniline-d4	13.438		1-145		34	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.319		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	20.728		15-120		52	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.771		10-150		39	SPK: -40
81103-79-9	Fluorene-d10	19.724		20-140		49	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:	E28T1	SDG No.:	BG121624
Lab Sample ID:	P5232-17	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.1
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
BG063686.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.96		10-130		10	SPK: -40
1719-06-8	Anthracene-d10	18.701		10-150		47	SPK: -40
1718-52-1	Pyrene-d10	16.73		10-130		42	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	11.455		10-140		29	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	192941	7.812				
1146-65-2	Naphthalene-d8	782493	10.597				
15067-26-2	Acenaphthene-d10	578686	14.452				
1517-22-2	Phenanthrene-d10	1246693	17.201				
1719-03-5	Chrysene-d12	1163970	21.455				
1520-96-3	Perylene-d12	1274893	24.481				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	650	J			15.809	
001002-84-2	Pentadecanoic acid	310	J			18.1	
000781-43-1	9,10-Dimethylanthracene	120	J			18.999	
E966796	Total Alkanes	32	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S4	SDG No.:	BG121624
Lab Sample ID:	P5232-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
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
BG063687.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8	81	ug/Kg
100-52-7	Benzaldehyde	70	U	70	100	400	ug/Kg
110-86-1	Pyridine	94	U	94	200	400	ug/Kg
108-95-2	Phenol	49	J	36	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.7	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	80	U	80	100	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	51.7	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.7	210	ug/Kg
98-95-3	Nitrobenzene	78	U	78	51.7	210	ug/Kg
78-59-1	Isophorone	80	U	80	51.7	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	51.7	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.7	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	51.7	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.7	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.7	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	51.7	400	ug/Kg
87-68-3	Hexachlorobutadiene	43	U	43	51.7	210	ug/Kg
105-60-2	Caprolactam	78	U	78	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	51.7	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.7	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.7	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S4	SDG No.:	BG121624
Lab Sample ID:	P5232-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
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
BG063687.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32	U	32	51.7	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.7	210	ug/Kg
88-74-4	2-Nitroaniline	55	U	55	51.7	210	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.7	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.7	210	ug/Kg
99-09-2	3-Nitroaniline	80	U	80	100	400	ug/Kg
83-32-9	Acenaphthene	32	U	32	51.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	100	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.7	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	51.7	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.7	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.7	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	32	U	32	51.7	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.7	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	150	J	33	51.7	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.7	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.7	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.7	210	ug/Kg
86-74-8	Carbazole	41	U	41	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.7	210	ug/Kg
206-44-0	Fluoranthene	250		23	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S4	SDG No.:	BG121624
Lab Sample ID:	P5232-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
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
BG063687.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	210		22	51.7	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.7	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	110	J	28	51.7	210	ug/Kg
218-01-9	Chrysene	100	J	29	51.7	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	J	30	51.7	210	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	45	51.7	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	J	46	51.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	38	51.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	65	J	34	51.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	32	U	32	51.7	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	93	J	39	51.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.7	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.574		15-120		32	SPK: -8
7291-22-7	Pyridine-d5	12.214		20-120		31	SPK: -40
4165-62-2	Phenol-d5	18.49		10-130		46	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.005		10-150		40	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.786		15-120		47	SPK: -40
190780-66-6	4-Methylphenol-d8	13.923		10-140		35	SPK: -40
4165-60-0	Nitrobenzene-d5	19.964		10-135		50	SPK: -40
93951-78-1	2-Nitrophenol-d4	20.788		10-120		52	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	21.577		10-140		54	SPK: -40
191656-33-4	4-Chloroaniline-d4	14.906		1-145		37	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.193		10-145		55	SPK: -40
93951-97-4	Acenaphthylene-d8	21.101		15-120		53	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.247		10-150		51	SPK: -40
81103-79-9	Fluorene-d10	21.267		20-140		53	SPK: -40

Report of Analysis

Client:		Date Collected:	12/6/2024 12:00:00 AM
Project:		Date Received:	12/6/2024 12:00:00 AM
Client Sample ID:	E28S4	SDG No.:	BG121624
Lab Sample ID:	P5232-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
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
BG063687.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.132		10-130		25	SPK: -40
1719-06-8	Anthracene-d10	20.942		10-150		52	SPK: -40
1718-52-1	Pyrene-d10	19.713		10-130		49	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.243		10-140		46	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	178124	7.811				
1146-65-2	Naphthalene-d8	744970	10.602				
15067-26-2	Acenaphthene-d10	551396	14.45				
1517-22-2	Phenanthrene-d10	1191116	17.206				
1719-03-5	Chrysene-d12	1126456	21.454				
1520-96-3	Perylene-d12	1202180	24.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	480	J			15.813	
000057-10-3	n-Hexadecanoic acid	280	J			18.105	
E966796	Total Alkanes	32	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:	E28R8	SDG No.:	BG121624
Lab Sample ID:	P5232-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
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
BG063688.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	31	U	31	7.6	77	ug/Kg
100-52-7	Benzaldehyde	67	U	67	95.3	380	ug/Kg
110-86-1	Pyridine	89	U	89	190	380	ug/Kg
108-95-2	Phenol	50	J	35	95.3	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	33	U	33	95.3	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.1	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	95.3	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46	U	46	95.3	380	ug/Kg
98-86-2	Acetophenone	76	U	76	95.3	380	ug/Kg
106-44-5	4-Methylphenol	61	U	61	95.3	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	91	U	91	49.1	200	ug/Kg
67-72-1	Hexachloroethane	70	U	70	49.1	200	ug/Kg
98-95-3	Nitrobenzene	74	U	74	49.1	200	ug/Kg
78-59-1	Isophorone	76	U	76	49.1	200	ug/Kg
88-75-5	2-Nitrophenol	69	U	69	49.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	37	U	37	49.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	52	U	52	49.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	49.1	200	ug/Kg
91-20-3	Naphthalene	28	U	28	49.1	200	ug/Kg
106-47-8	4-Chloroaniline	42	U	42	49.1	380	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	49.1	200	ug/Kg
105-60-2	Caprolactam	74	U	74	95.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	47	U	47	49.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	28	U	28	49.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	49.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	95.3	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	28	U	28	49.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	38	U	38	49.1	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:	E28R8	SDG No.:	BG121624
Lab Sample ID:	P5232-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
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
BG063688.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	30	U	30	49.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	38	U	38	49.1	200	ug/Kg
88-74-4	2-Nitroaniline	52	U	52	49.1	200	ug/Kg
131-11-3	Dimethylphthalate	35	U	35	49.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	49.1	200	ug/Kg
208-96-8	Acenaphthylene	33	U	33	49.1	200	ug/Kg
99-09-2	3-Nitroaniline	76	U	76	95.3	380	ug/Kg
83-32-9	Acenaphthene	30	U	30	49.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	95.3	380	ug/Kg
100-02-7	4-Nitrophenol	51	U	51	95.3	380	ug/Kg
132-64-9	Dibenzofuran	31	U	31	49.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	49.1	200	ug/Kg
84-66-2	Diethylphthalate	38	U	38	49.1	200	ug/Kg
86-73-7	Fluorene	31	U	31	49.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	23	U	23	49.1	200	ug/Kg
100-01-6	4-Nitroaniline	28	U	28	95.3	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	44	U	44	95.3	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	28	U	28	49.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	39	U	39	49.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	30	U	30	49.1	200	ug/Kg
118-74-1	Hexachlorobenzene	32	U	32	49.1	200	ug/Kg
1912-24-9	Atrazine	32	U	32	95.3	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.3	380	ug/Kg
85-01-8	Phenanthrene	43	J	31	49.1	200	ug/Kg
608-93-5	Pentachlorobenzene	43	U	43	49.1	200	ug/Kg
120-12-7	Anthracene	29	U	29	49.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	20	U	20	49.1	200	ug/Kg
86-74-8	Carbazole	39	U	39	95.3	380	ug/Kg
84-74-2	Di-n-butylphthalate	31	U	31	49.1	200	ug/Kg
206-44-0	Fluoranthene	57	J	22	95.3	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:	E28R8	SDG No.:	BG121624
Lab Sample ID:	P5232-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
Sample Wt/Vol:	30	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
BG063688.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	50	J	21	49.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	25	U	25	49.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	60	U	60	95.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	49.1	200	ug/Kg
218-01-9	Chrysene	28	U	28	49.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	29	U	29	49.1	200	ug/Kg
117-84-0	Di-n-octyl phthalate	55	U	55	95.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	43	49.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	44	U	44	49.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	36	U	36	49.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	32	U	32	49.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	30	U	30	49.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	49.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	49.1	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.092		15-120		39	SPK: -8
7291-22-7	Pyridine-d5	14.321		20-120		36	SPK: -40
4165-62-2	Phenol-d5	20.44		10-130		51	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	19.356		10-150		48	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.28		15-120		46	SPK: -40
190780-66-6	4-Methylphenol-d8	23.047		10-140		58	SPK: -40
4165-60-0	Nitrobenzene-d5	23.883		10-135		60	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.206		10-120		43	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.918		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.226		1-145		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.7		10-145		62	SPK: -40
93951-97-4	Acenaphthylene-d8	25.551		15-120		64	SPK: -40
93951-79-2	4-Nitrophenol-d4	9.425		10-150		24	SPK: -40
81103-79-9	Fluorene-d10	25.441		20-140		64	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:	E28R8	SDG No.:	BG121624
Lab Sample ID:	P5232-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
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
BG063688.D	1	12/11/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165551

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	1.567	*	10-130		4	SPK: -40
1719-06-8	Anthracene-d10	27.773		10-150		69	SPK: -40
1718-52-1	Pyrene-d10	25.713		10-130		64	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	25.607		10-140		64	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	200383	7.808				
1146-65-2	Naphthalene-d8	841685	10.599				
15067-26-2	Acenaphthene-d10	599889	14.453				
1517-22-2	Phenanthrene-d10	1183759	17.203				
1719-03-5	Chrysene-d12	1151247	21.451				
1520-96-3	Perylene-d12	1245111	24.476				
TENTATIVE IDENTIFIED COMPOUNDS							
	(DEL) Alkane: Straight-Chain	12.026	110	J		12.026	
	(DEL) Alkane: Straight-Chain	13.272	170	J		13.272	
019218-94-1	Tetradecane, 1-iodo-	230	J			14.353	
	(DEL) Alkane: Straight-Chain	15.305	220	J		15.305	
000119-61-9	Benzophenone	360	J			15.81	
	(DEL) Alkane: Straight-Chain	16.962	170	J		16.962	
	(DEL) Alkane: Straight-Chain	17.015	310	J		17.015	
000057-10-3	n-Hexadecanoic acid	100	J			18.102	
	(DEL) Alkane: Straight-Chain	18.395	140	J		18.395	
000629-73-2	Cetene	220	J			21.116	
E966796	Total Alkanes	1100				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:	E28Q4MS	SDG No.:	BG121624
Lab Sample ID:	P5153-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.02	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
BG063689.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	520		35	8.5	86	ug/Kg
100-52-7	Benzaldehyde	490		75	110	420	ug/Kg
110-86-1	Pyridine	1500		99	210	420	ug/Kg
108-95-2	Phenol	1700		39	110	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1500		37	110	420	ug/Kg
95-57-8	2-Chlorophenol	1800		36	54.6	220	ug/Kg
95-48-7	2-Methylphenol	1600		40	110	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		51	110	420	ug/Kg
98-86-2	Acetophenone	1500		85	110	420	ug/Kg
106-44-5	4-Methylphenol	1600		68	110	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1500		100	54.6	220	ug/Kg
67-72-1	Hexachloroethane	1500		78	54.6	220	ug/Kg
98-95-3	Nitrobenzene	1600		82	54.6	220	ug/Kg
78-59-1	Isophorone	1600		85	54.6	220	ug/Kg
88-75-5	2-Nitrophenol	1600		77	54.6	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		41	54.6	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1700		58	54.6	220	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		49	54.6	220	ug/Kg
91-20-3	Naphthalene	1900		31	54.6	220	ug/Kg
106-47-8	4-Chloroaniline	380	J	46	54.6	420	ug/Kg
87-68-3	Hexachlorobutadiene	1600		45	54.6	220	ug/Kg
105-60-2	Caprolactam	1500		82	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		53	54.6	220	ug/Kg
90-12-0	1-Methylnaphthalene	1700		31	54.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	1900		41	54.6	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	J	120	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		31	54.6	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		42	54.6	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:	E28Q4MS	SDG No.:	BG121624
Lab Sample ID:	P5153-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.02 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
BG063689.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	2000		33	54.6	220	ug/Kg
91-58-7	2-Chloronaphthalene	1900		42	54.6	220	ug/Kg
88-74-4	2-Nitroaniline	1800		58	54.6	220	ug/Kg
131-11-3	Dimethylphthalate	1700		39	54.6	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	1300		26	54.6	220	ug/Kg
208-96-8	Acenaphthylene	1300		37	54.6	220	ug/Kg
99-09-2	3-Nitroaniline	360	J	85	110	420	ug/Kg
83-32-9	Acenaphthene	1800		33	54.6	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	110	420	ug/Kg
100-02-7	4-Nitrophenol	1400		57	110	420	ug/Kg
132-64-9	Dibenzofuran	1800		35	54.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	880		45	54.6	220	ug/Kg
84-66-2	Diethylphthalate	1700		42	54.6	220	ug/Kg
86-73-7	Fluorene	1700		35	54.6	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		26	54.6	220	ug/Kg
100-01-6	4-Nitroaniline	600		31	110	420	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74	J	49	110	420	ug/Kg
86-30-6	N-Nitrosodiphenylamine	2000		31	54.6	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		44	54.6	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		33	54.6	220	ug/Kg
118-74-1	Hexachlorobenzene	1800		36	54.6	220	ug/Kg
1912-24-9	Atrazine	1800		36	110	420	ug/Kg
87-86-5	Pentachlorophenol	2300		110	110	420	ug/Kg
85-01-8	Phenanthrene	2000		35	54.6	220	ug/Kg
608-93-5	Pentachlorobenzene	2000		48	54.6	220	ug/Kg
120-12-7	Anthracene	1600		32	54.6	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2100		22	54.6	220	ug/Kg
86-74-8	Carbazole	1900		44	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	1900		35	54.6	220	ug/Kg
206-44-0	Fluoranthene	2000		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:	E28Q4MS	SDG No.:	BG121624
Lab Sample ID:	P5153-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.02 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
BG063689.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1900		23	54.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	2200		28	54.6	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	67	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	1700		30	54.6	220	ug/Kg
218-01-9	Chrysene	1900		31	54.6	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200		32	54.6	220	ug/Kg
117-84-0	Di-n-octyl phthalate	2800		62	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		48	54.6	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2200		49	54.6	220	ug/Kg
50-32-8	Benzo(a)pyrene	1900		40	54.6	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		36	54.6	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		33	54.6	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		41	54.6	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		46	54.6	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.766		15-120		60	SPK: -8
7291-22-7	Pyridine-d5	25.005		20-120		63	SPK: -40
4165-62-2	Phenol-d5	27.026		10-130		68	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.415		10-150		66	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.277		15-120		73	SPK: -40
190780-66-6	4-Methylphenol-d8	20.622		10-140		52	SPK: -40
4165-60-0	Nitrobenzene-d5	31.519		10-135		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.834		10-120		70	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.441		10-140		76	SPK: -40
191656-33-4	4-Chloroaniline-d4	3.862		1-145		10	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.489		10-145		76	SPK: -40
93951-97-4	Acenaphthylene-d8	22.364		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.132		10-150		45	SPK: -40
81103-79-9	Fluorene-d10	29.189		20-140		73	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:	E28Q4MS	SDG No.:	BG121624
Lab Sample ID:	P5153-18MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.02 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
BG063689.D	1	12/9/2024 12:00:00 AM	12/16/2024 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	25.871		10-150		65	SPK: -40
1718-52-1	Pyrene-d10	28.757		10-130		72	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.777		10-140		62	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196903	7.812				
1146-65-2	Naphthalene-d8	756601	10.603				
15067-26-2	Acenaphthene-d10	490449	14.451				
1517-22-2	Phenanthrene-d10	992475	17.207				
1719-03-5	Chrysene-d12	862630	21.466				
1520-96-3	Perylene-d12	747426	24.533				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	33	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:	E28Q4MSD	SDG No.:	BG121624
Lab Sample ID:	P5153-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.04	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
BG063690.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	480		35	8.5	86	ug/Kg
100-52-7	Benzaldehyde	480		74	110	420	ug/Kg
110-86-1	Pyridine	1400		99	210	420	ug/Kg
108-95-2	Phenol	1700		39	110	420	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1600		37	110	420	ug/Kg
95-57-8	2-Chlorophenol	1900		36	54.6	220	ug/Kg
95-48-7	2-Methylphenol	1700		40	110	420	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		51	110	420	ug/Kg
98-86-2	Acetophenone	1600		85	110	420	ug/Kg
106-44-5	4-Methylphenol	1700		68	110	420	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1500		100	54.6	220	ug/Kg
67-72-1	Hexachloroethane	1100		78	54.6	220	ug/Kg
98-95-3	Nitrobenzene	1300		82	54.6	220	ug/Kg
78-59-1	Isophorone	1600		85	54.6	220	ug/Kg
88-75-5	2-Nitrophenol	300		77	54.6	220	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		41	54.6	220	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1700		58	54.6	220	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		49	54.6	220	ug/Kg
91-20-3	Naphthalene	1900		31	54.6	220	ug/Kg
106-47-8	4-Chloroaniline	580		46	54.6	420	ug/Kg
87-68-3	Hexachlorobutadiene	1700		45	54.6	220	ug/Kg
105-60-2	Caprolactam	1700		82	110	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2000		53	54.6	220	ug/Kg
90-12-0	1-Methylnaphthalene	1800		31	54.6	220	ug/Kg
91-57-6	2-Methylnaphthalene	2000		41	54.6	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	110	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		31	54.6	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		42	54.6	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:	E28Q4MSD	SDG No.:	BG121624
Lab Sample ID:	P5153-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.04 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
BG063690.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	2100		33	54.6	220	ug/Kg
91-58-7	2-Chloronaphthalene	2000		42	54.6	220	ug/Kg
88-74-4	2-Nitroaniline	1000		58	54.6	220	ug/Kg
131-11-3	Dimethylphthalate	1700		39	54.6	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	400		26	54.6	220	ug/Kg
208-96-8	Acenaphthylene	1400		37	54.6	220	ug/Kg
99-09-2	3-Nitroaniline	510		85	110	420	ug/Kg
83-32-9	Acenaphthene	1900		33	54.6	220	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	110	420	ug/Kg
100-02-7	4-Nitrophenol	960		56	110	420	ug/Kg
132-64-9	Dibenzofuran	1900		35	54.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	260		45	54.6	220	ug/Kg
84-66-2	Diethylphthalate	1800		42	54.6	220	ug/Kg
86-73-7	Fluorene	1800		35	54.6	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		26	54.6	220	ug/Kg
100-01-6	4-Nitroaniline	790		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	2100		31	54.6	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		44	54.6	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		33	54.6	220	ug/Kg
118-74-1	Hexachlorobenzene	1900		36	54.6	220	ug/Kg
1912-24-9	Atrazine	1900		36	110	420	ug/Kg
87-86-5	Pentachlorophenol	1900		110	110	420	ug/Kg
85-01-8	Phenanthrene	2200		35	54.6	220	ug/Kg
608-93-5	Pentachlorobenzene	2100		47	54.6	220	ug/Kg
120-12-7	Anthracene	1800		32	54.6	220	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2300		22	54.6	220	ug/Kg
86-74-8	Carbazole	2100		44	110	420	ug/Kg
84-74-2	Di-n-butylphthalate	2000		35	54.6	220	ug/Kg
206-44-0	Fluoranthene	2100		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:	E28Q4MSD	SDG No.:	BG121624
Lab Sample ID:	P5153-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.04	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
BG063690.D	1	12/9/2024 12:00:00 AM	12/16/2024 12:00:00 AM	PB165481

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	2100		23	54.6	220	ug/Kg
85-68-7	Butylbenzylphthalate	2400		28	54.6	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67	U	67	110	420	ug/Kg
56-55-3	Benzo(a)anthracene	1900		30	54.6	220	ug/Kg
218-01-9	Chrysene	2000		31	54.6	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2400		32	54.6	220	ug/Kg
117-84-0	Di-n-octyl phthalate	3300		62	110	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	2300		47	54.6	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2400		49	54.6	220	ug/Kg
50-32-8	Benzo(a)pyrene	2000		40	54.6	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		36	54.6	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		33	54.6	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		41	54.6	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1800		46	54.6	220	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.407		15-120		55	SPK: -8
7291-22-7	Pyridine-d5	23.304		20-120		58	SPK: -40
4165-62-2	Phenol-d5	27.152		10-130		68	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.537		10-150		69	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.166		15-120		78	SPK: -40
190780-66-6	4-Methylphenol-d8	22.221		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	27.004		10-135		68	SPK: -40
93951-78-1	2-Nitrophenol-d4	5.215		10-120		13	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.596		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	5.457		1-145		14	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.399		10-145		78	SPK: -40
93951-97-4	Acenaphthylene-d8	24.451		15-120		61	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.194		10-150		30	SPK: -40
81103-79-9	Fluorene-d10	30.198		20-140		75	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:	E28Q4MSD	SDG No.:	BG121624
Lab Sample ID:	P5153-19MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	22.2
Sample Wt/Vol:	30.04 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
BG063690.D	1	12/9/2024 12:00:00 AM	12/16/2024 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	28.749		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	30.782		10-130		77	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.098		10-140		68	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	186665	7.812				
1146-65-2	Naphthalene-d8	746273	10.609				
15067-26-2	Acenaphthene-d10	470693	14.458				
1517-22-2	Phenanthrene-d10	918165	17.213				
1719-03-5	Chrysene-d12	766624	21.479				
1520-96-3	Perylene-d12	610415	24.54				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	33	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG121624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E28R8								
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain12.0 *	110.000	J			
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain13.2 *	170.000	J			
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain15.2 *	220.000	J			
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain16.5 *	170.000	J			
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain17.0 *	310.000	J			
P5232-04	E28R8	Solid	(DEL) Alkane: Straight-Chain18.2 *	140.000	J			
P5232-04	E28R8	Solid	Benzophenone	*	360.000	J		
P5232-04	E28R8	Solid	Cetene	*	220.000	J		
P5232-04	E28R8	Solid	n-Hexadecanoic acid	*	100.000	J		
P5232-04	E28R8	Solid	Tetradecane, 1-iodo-	*	230.000	J		
P5232-04	E28R8	Solid	Total Alkanes	*	1,100.000	30	200	ug/Kg
Total Tics :				3,130.00				
P5232-04	E28R8	Solid	Fluoranthene	57.000	J	22	200	ug/Kg
P5232-04	E28R8	Solid	Phenanthrene	43.000	J	31	200	ug/Kg
P5232-04	E28R8	Solid	Phenol	50.000	J	35	380	ug/Kg
P5232-04	E28R8	Solid	Pyrene	50.000	J	21	200	ug/Kg
Total Svoc :				200.00				
Total Concentration:				3,330.00				
Client ID : E28S1								
P5232-07	E28S1	Solid	Benzophenone	*	290.000	J		
P5232-07	E28S1	Solid	n-Hexadecanoic acid	*	190.000	J		
P5232-07	E28S1	Solid	Total Alkanes	*	0.000	34	220	ug/Kg
Total Tics :				480.00				
P5232-07	E28S1	Solid	Benzaldehyde	230.000	J	77	440	ug/Kg
P5232-07	E28S1	Solid	Benzo(a)anthracene	59.000	J	30	220	ug/Kg
P5232-07	E28S1	Solid	Benzo(a)pyrene	66.000	J	41	220	ug/Kg
P5232-07	E28S1	Solid	Benzo(b)fluoranthene	95.000	J	49	220	ug/Kg
P5232-07	E28S1	Solid	Benzo(g,h,i)perylene	54.000	J	42	220	ug/Kg
P5232-07	E28S1	Solid	Chrysene	61.000	J	32	220	ug/Kg
P5232-07	E28S1	Solid	Fluoranthene	130.000	J	25	220	ug/Kg
P5232-07	E28S1	Solid	Phenanthrene	62.000	J	36	220	ug/Kg
P5232-07	E28S1	Solid	Phenol	54.000	J	40	440	ug/Kg
P5232-07	E28S1	Solid	Pyrene	110.000	J	24	220	ug/Kg
Total Svoc :				921.00				
Total Concentration:				1,401.00				
Client ID : E28S2								
P5232-08	E28S2	Solid	(DEL) Alkane: Straight-Chain22.2 *	640.000	J			



Client:

Client ID : E28T1

Hit Summary Sheet SW-846

SDG No.: BG121624

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P5232-17	E28T1	Solid	9,10-Dimethylanthracene	*	120.000	J		
P5232-17	E28T1	Solid	Benzophenone	*	650.000	J		
P5232-17	E28T1	Solid	Pentadecanoic acid	*	310.000	J		
P5232-17	E28T1	Solid	Total Alkanes	*	0.000	32	210	ug/Kg
Total Tics :				1,080.00				
P5232-17	E28T1	Solid	1-Methylnaphthalene	46.000	J	30	210	ug/Kg
P5232-17	E28T1	Solid	2-Methylnaphthalene	130.000	J	40	210	ug/Kg
P5232-17	E28T1	Solid	Anthracene	43.000	J	31	210	ug/Kg
P5232-17	E28T1	Solid	Benzo(a)anthracene	690.000		29	210	ug/Kg
P5232-17	E28T1	Solid	Benzo(a)pyrene	1,200.000		39	210	ug/Kg
P5232-17	E28T1	Solid	Benzo(b)fluoranthene	1,400.000		46	210	ug/Kg
P5232-17	E28T1	Solid	Benzo(g,h,i)perylene	1,000.000		40	210	ug/Kg
P5232-17	E28T1	Solid	Benzo(k)fluoranthene	550.000		47	210	ug/Kg
P5232-17	E28T1	Solid	Bis(2-ethylhexyl)phthalate	99.000	J	31	210	ug/Kg
P5232-17	E28T1	Solid	Chrysene	850.000		30	210	ug/Kg
P5232-17	E28T1	Solid	Dibenzo(a,h)anthracene	240.000		32	210	ug/Kg
P5232-17	E28T1	Solid	Fluoranthene	670.000		24	210	ug/Kg
P5232-17	E28T1	Solid	Indeno(1,2,3-cd)pyrene	760.000		35	210	ug/Kg
P5232-17	E28T1	Solid	Naphthalene	62.000	J	30	210	ug/Kg
P5232-17	E28T1	Solid	Phenanthrene	210.000		34	210	ug/Kg
P5232-17	E28T1	Solid	Phenol	63.000	J	37	410	ug/Kg
P5232-17	E28T1	Solid	Pyrene	730.000		22	210	ug/Kg
Total Svoc :				8,743.00				
Total Concentration:				9,823.00				

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.: BG121624 SAS No.: BG121624 SDG NO.: BG121624

EPA Sample No.: SSTD020433 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 11:12

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 SBLK588	147189	7.81	605036	10.60	479961	14.45
02 E28S2	165483	7.81	715874	10.60	553458	14.45
03 E28S1	195835	7.81	834725	10.60	638108	14.45
04 E28T1	192941	7.81	782493	10.60	578686	14.45
05 E28S4	178124	7.81	744970	10.60	551396	14.45
06 E28R8	200383	7.81	841685	10.60	599889	14.45
07 E28Q4MS	196903	7.81	756601	10.60	490449	14.45
08 E28Q4MSD	186665	7.81	746273	10.61	470693	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.: BG121624 SAS No.: BG121624 SDG NO.: BG121624

EPA Sample No.: SSTD020566 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BG063682.D Time Analyzed: 11:12

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	174981	7.812	750244	10.60	543251	14.45
UPPER LIMIT	349962	8.312	1500488	11.103	1086502	14.951
LOWER LIMIT	87490.5	7.312	375122	10.103	271625.5	13.951
EPA SAMPLE NO.						
01 SBLK588	147189	7.81	605036	10.60	479961	14.45
02 E28S2	165483	7.81	715874	10.60	553458	14.45
03 E28S1	195835	7.81	834725	10.60	638108	14.45
04 E28T1	192941	7.81	782493	10.60	578686	14.45
05 E28S4	178124	7.81	744970	10.60	551396	14.45
06 E28R8	200383	7.81	841685	10.60	599889	14.45
07 E28Q4MS	196903	7.81	756601	10.60	490449	14.45
08 E28Q4MSD	186665	7.81	746273	10.61	470693	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.: BG121624 SAS No.: BG121624 SDG NO.: BG121624

EPA Sample No.: SSTD020433 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 11:12

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 SBLK588	1.16643	17.20	1.12453e+	21.45	1.22381e+	24.48
02 E28S2	1.19545	17.20	1.10365e+	21.45	1.20191e+	24.48
03 E28S1	1.3576e	17.20	1.27619e+	21.46	1.35729e+	24.48
04 E28T1	1.24669	17.20	1.16397e+	21.46	1.27489e+	24.48
05 E28S4	1.19112	17.21	1.12646e+	21.45	1.20218e+	24.48
06 E28R8	1.18376	17.20	1.15125e+	21.45	1.24511e+	24.48
07 E28Q4MS	992475	17.21	862630	21.47	747426	24.53
08 E28Q4MSD	918165	17.21	766624	21.48	610415	24.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG121624 SAS No.: BG121624 SDG NO.: BG121624

EPA Sample No.: SSTD020566 Date Analyzed: Dec 16 2024 12:00AM

Lab File ID: BG063682.D Time Analyzed: 11:12

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	1.13452e+01	17.201	1.06842e+	21.455	1.16531e+01	24.475
UPPER LIMIT	2269040	17.701	2136840	21.955	2330620	24.975
LOWER LIMIT	567260	16.701	534210	20.955	582655	23.975
EPA SAMPLE NO.						
01 SBLK588	1.16643	17.20	1.12453e+	21.45	1.22381e+	24.48
02 E28S2	1.19545	17.20	1.10365e+	21.45	1.20191e+	24.48
03 E28S1	1.3576e	17.20	1.27619e+	21.46	1.35729e+	24.48
04 E28T1	1.24669	17.20	1.16397e+	21.46	1.27489e+	24.48
05 E28S4	1.19112	17.21	1.12646e+	21.45	1.20218e+	24.48
06 E28R8	1.18376	17.20	1.15125e+	21.45	1.24511e+	24.48
07 E28Q4MS	992475	17.21	862630	21.47	747426	24.53
08 E28Q4MSD	918165	17.21	766624	21.48	610415	24.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E28Q4MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG121624

SAS No.: BG121624 SDG NO.: BG121624

Lab File ID: BG063689.D

Lab Sample ID: P5153-18MS

Instrument ID: BNA_G

Date Extracted: 12/09/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 14:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E28Q4MS	P5153-18MS	BG063689.D	12/16/2024
E28Q4MSD	P5153-19MSD	BG063690.D	12/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

E28S2

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG121624

SAS No.: BG121624 SDG NO.: BG121624

Lab File ID: BG063684.D

Lab Sample ID: P5232-08

Instrument ID: BNA_G

Date Extracted: 12/11/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 11:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E28S2	P5232-08	BG063684.D	12/16/2024
E28S1	P5232-07	BG063685.D	12/16/2024
E28T1	P5232-17	BG063686.D	12/16/2024
E28S4	P5232-10	BG063687.D	12/16/2024
E28R8	P5232-04	BG063688.D	12/16/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK588

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG121624

SAS No.: BG121624 SDG NO.: BG121624

Lab File ID: BG063683.D

Lab Sample ID: PB165588BL

Instrument ID: BNA_G

Date Extracted: 12/12/2024

Matrix: (soil/water) Solid

Date Analyzed: 12/16/2024

Level: (low/med) LOW

Time Analyzed: 11:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P5153-18MS	Client Sample ID:	E28Q4MS				DataFile:	BG063689.D			
1,4-Dioxane	690		520	ug/Kg	75				15	120	
Benzaldehyde	1700		490	ug/Kg	29				0	0	
Pyridine	1700		1500	ug/Kg	88				0	0	
Phenol	1700	77	1700	ug/Kg	95	*			26	90	
Bis(2-chloroethyl)ether	1700		1500	ug/Kg	88				0	0	
2-Chlorophenol	1700		1800	ug/Kg	106	*			25	102	
2-Methylphenol	1700		1600	ug/Kg	94				0	0	
2,2-oxybis(1-Chloropropane)	1700		1600	ug/Kg	94				0	0	
Acetophenone	1700		1500	ug/Kg	88				0	0	
4-Methylphenol	1700		1600	ug/Kg	94				0	0	
N-Nitroso-di-n-propylamine	1700		1500	ug/Kg	88				41	126	
Hexachloroethane	1700		1500	ug/Kg	88				0	0	
Nitrobenzene	1700		1600	ug/Kg	94				0	0	
Isophorone	1700		1600	ug/Kg	94				0	0	
2-Nitrophenol	1700		1600	ug/Kg	94				0	0	
2,4-Dimethylphenol	1700		1500	ug/Kg	88				0	0	
Bis(2-chloroethoxy)methane	1700		1700	ug/Kg	100				0	0	
2,4-Dichlorophenol	1700		1800	ug/Kg	106				0	0	
Naphthalene	1700	88	1900	ug/Kg	107				0	0	
4-Chloroaniline	1700		380	ug/Kg	22				0	0	
Hexachlorobutadiene	1700		1600	ug/Kg	94				0	0	
Caprolactam	1700		1500	ug/Kg	88				0	0	
4-Chloro-3-methylphenol	1700		1800	ug/Kg	106	*			26	103	
1-Methylnaphthalene	1700	55	1700	ug/Kg	97				0	0	
2-Methylnaphthalene	1700	180	1900	ug/Kg	101				0	0	
Hexachlorocyclopentadiene	1700		290	ug/Kg	17				0	0	
2,4,6-Trichlorophenol	1700		1900	ug/Kg	112				0	0	
2,4,5-Trichlorophenol	1700		1900	ug/Kg	112				0	0	
1,1'-Biphenyl	1700		2000	ug/Kg	118				0	0	
2-Chloronaphthalene	1700		1900	ug/Kg	112				0	0	
2-Nitroaniline	1700		1800	ug/Kg	106				0	0	
Dimethylphthalate	1700		1700	ug/Kg	100				0	0	
2,6-Dinitrotoluene	1700		1300	ug/Kg	76				0	0	
Acenaphthylene	1700		1300	ug/Kg	76				0	0	
3-Nitroaniline	1700		360	ug/Kg	21				0	0	
Acenaphthene	1700		1800	ug/Kg	106				31	137	
2,4-Dinitrophenol	1700			ug/Kg	0				0	0	
4-Nitrophenol	1700		1400	ug/Kg	82				11	114	
Dibenzofuran	1700		1800	ug/Kg	106				0	0	
2,4-Dinitrotoluene	1700		880	ug/Kg	52				28	89	
Diethylphthalate	1700		1700	ug/Kg	100				0	0	
Fluorene	1700		1700	ug/Kg	100				0	0	
4-Chlorophenyl-phenylether	1700		1700	ug/Kg	100				0	0	
4-Nitroaniline	1700		600	ug/Kg	35				0	0	
4,6-Dinitro-2-methylphenol	1700		74	ug/Kg	4				0	0	
N-Nitrosodiphenylamine	1700		2000	ug/Kg	118				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1700		1700	ug/Kg	100				0	0	
4-Bromophenyl-phenylether	1700		1900	ug/Kg	112				0	0	
Hexachlorobenzene	1700		1800	ug/Kg	106				0	0	
Atrazine	1700		1800	ug/Kg	106				0	0	
Pentachlorophenol	1700		2300	ug/Kg	135	*			17	109	
Phenanthrene	1700	190	2000	ug/Kg	106				0	0	
Pentachlorobenzene	1700		2000	ug/Kg	118				0	0	
Anthracene	1700	45	1600	ug/Kg	91				0	0	
1,2,3,4-Tetrachlorobenzene	1700		2100	ug/Kg	124				0	0	
Carbazole	1700		1900	ug/Kg	112				0	0	
Di-n-butylphthalate	1700		1900	ug/Kg	112				0	0	
Fluoranthene	1700	150	2000	ug/Kg	109				0	0	
Pyrene	1700	160	1900	ug/Kg	102				35	142	
Butylbenzylphthalate	1700		2200	ug/Kg	129				0	0	
3,3'-Dichlorobenzidine	1700			ug/Kg	0				0	0	
Benzo(a)anthracene	1700	100	1700	ug/Kg	94				0	0	
Chrysene	1700	150	1900	ug/Kg	103				0	0	
Bis(2-ethylhexyl)phthalate	1700	89	2200	ug/Kg	124				0	0	
Di-n-octylphthalate	1700		2800	ug/Kg	165				0	0	
Benzo(b)fluoranthene	1700	220	2200	ug/Kg	116				0	0	
Benzo(k)fluoranthene	1700	100	2200	ug/Kg	124				0	0	
Benzo(a)pyrene	1700	130	1900	ug/Kg	104				0	0	
Indeno(1,2,3-cd)pyrene	1700	72	1800	ug/Kg	102				0	0	
Dibenzo(a,h)anthracene	1700		1800	ug/Kg	106				0	0	
Benzo(g,h,i)perylene	1700	100	1700	ug/Kg	94				0	0	
2,3,4,6-Tetrachlorophenol	1700		1900	ug/Kg	112				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P5153-19MSD	Client Sample ID:	E28Q4MSD					DataFile:	BG063690.D		
1,4-Dioxane	680		480	ug/Kg	71		5		15	120	50
Benzaldehyde	1700		480	ug/Kg	28		4	*	0	0	0
Pyridine	1700		1400	ug/Kg	82		7	*	0	0	0
Phenol	1700	77	1700	ug/Kg	95	*	0		26	90	35
Bis(2-chloroethyl)ether	1700		1600	ug/Kg	94		7	*	0	0	0
2-Chlorophenol	1700		1900	ug/Kg	112	*	6		25	102	50
2-Methylphenol	1700		1700	ug/Kg	100		6	*	0	0	0
2,2-oxybis(1-Chloropropane)	1700		1700	ug/Kg	100		6	*	0	0	0
Acetophenone	1700		1600	ug/Kg	94		7	*	0	0	0
4-Methylphenol	1700		1700	ug/Kg	100		6	*	0	0	0
N-Nitroso-di-n-propylamine	1700		1500	ug/Kg	88		0		41	126	38
Hexachloroethane	1700		1100	ug/Kg	65		30	*	0	0	0
Nitrobenzene	1700		1300	ug/Kg	76		21	*	0	0	0
Isophorone	1700		1600	ug/Kg	94		0		0	0	0
2-Nitrophenol	1700		300	ug/Kg	18		136	*	0	0	0
2,4-Dimethylphenol	1700		1600	ug/Kg	94		7	*	0	0	0
Bis(2-chloroethoxy)methane	1700		1700	ug/Kg	100		0		0	0	0
2,4-Dichlorophenol	1700		1900	ug/Kg	112		6	*	0	0	0
Naphthalene	1700	88	1900	ug/Kg	107		0		0	0	0
4-Chloroaniline	1700		580	ug/Kg	34		43	*	0	0	0
Hexachlorobutadiene	1700		1700	ug/Kg	100		6	*	0	0	0
Caprolactam	1700		1700	ug/Kg	100		13	*	0	0	0
4-Chloro-3-methylphenol	1700		2000	ug/Kg	118	*	11		26	103	33
1-Methylnaphthalene	1700	55	1800	ug/Kg	103		6	*	0	0	0
2-Methylnaphthalene	1700	180	2000	ug/Kg	107		6	*	0	0	0
Hexachlorocyclopentadiene	1700		0	ug/Kg	0		200	*	0	0	0
2,4,6-Trichlorophenol	1700		2000	ug/Kg	118		5	*	0	0	0
2,4,5-Trichlorophenol	1700		2000	ug/Kg	118		5	*	0	0	0
1,1'-Biphenyl	1700		2100	ug/Kg	124		5	*	0	0	0
2-Chloronaphthalene	1700		2000	ug/Kg	118		5	*	0	0	0
2-Nitroaniline	1700		1000	ug/Kg	59		57	*	0	0	0
Dimethylphthalate	1700		1700	ug/Kg	100		0		0	0	0
2,6-Dinitrotoluene	1700		400	ug/Kg	24		104	*	0	0	0
Acenaphthylene	1700		1400	ug/Kg	82		8	*	0	0	0
3-Nitroaniline	1700		510	ug/Kg	30		35	*	0	0	0
Acenaphthene	1700		1900	ug/Kg	112		6		31	137	19
2,4-Dinitrophenol	1700			ug/Kg	0				0	0	0
4-Nitrophenol	1700		960	ug/Kg	56		38		11	114	50
Dibenzofuran	1700		1900	ug/Kg	112		6	*	0	0	0
2,4-Dinitrotoluene	1700		260	ug/Kg	15	*	110	*	28	89	47
Diethylphthalate	1700		1800	ug/Kg	106		6	*	0	0	0
Fluorene	1700		1800	ug/Kg	106		6	*	0	0	0
4-Chlorophenyl-phenylether	1700		1700	ug/Kg	100		0		0	0	0
4-Nitroaniline	1700		790	ug/Kg	46		27	*	0	0	0
4,6-Dinitro-2-methylphenol	1700			ug/Kg	0		200	*	0	0	0
N-Nitrosodiphenylamine	1700		2100	ug/Kg	124		5	*	0	0	0

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1700		1900	ug/Kg	112		11	*	0	0	0
4-Bromophenyl-phenylether	1700		2000	ug/Kg	118		5	*	0	0	0
Hexachlorobenzene	1700		1900	ug/Kg	112		6	*	0	0	0
Atrazine	1700		1900	ug/Kg	112		6	*	0	0	0
Pentachlorophenol	1700		1900	ug/Kg	112	*	19		17	109	47
Phenanthrene	1700	190	2200	ug/Kg	118		11	*	0	0	0
Pentachlorobenzene	1700		2100	ug/Kg	124		5	*	0	0	0
Anthracene	1700	45	1800	ug/Kg	103		12	*	0	0	0
1,2,3,4-Tetrachlorobenzene	1700		2300	ug/Kg	135		8	*	0	0	0
Carbazole	1700		2100	ug/Kg	124		10	*	0	0	0
Di-n-butylphthalate	1700		2000	ug/Kg	118		5	*	0	0	0
Fluoranthene	1700	150	2100	ug/Kg	115		5	*	0	0	0
Pyrene	1700	160	2100	ug/Kg	114		11		35	142	36
Butylbenzylphthalate	1700		2400	ug/Kg	141		9	*	0	0	0
3,3'-Dichlorobenzidine	1700			ug/Kg	0				0	0	0
Benzo(a)anthracene	1700	100	1900	ug/Kg	106		12	*	0	0	0
Chrysene	1700	150	2000	ug/Kg	109		6	*	0	0	0
Bis(2-ethylhexyl)phthalate	1700	89	2400	ug/Kg	136		9	*	0	0	0
Di-n-octylphthalate	1700		3300	ug/Kg	194		16	*	0	0	0
Benzo(b)fluoranthene	1700	220	2300	ug/Kg	122		5	*	0	0	0
Benzo(k)fluoranthene	1700	100	2400	ug/Kg	135		8	*	0	0	0
Benzo(a)pyrene	1700	130	2000	ug/Kg	110		6	*	0	0	0
Indeno(1,2,3-cd)pyrene	1700	72	1700	ug/Kg	96		6	*	0	0	0
Dibenzo(a,h)anthracene	1700		1700	ug/Kg	100		6	*	0	0	0
Benzo(g,h,i)perylene	1700	100	1500	ug/Kg	82		14	*	0	0	0
2,3,4,6-Tetrachlorophenol	1700		1800	ug/Kg	106		6	*	0	0	0

Surrogate Summary

SW-846

SDG No.: **BG121624**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5153-18MS	E28Q4MS	BG063689.D	1,4-Dioxane-d8	8	4.77	60		15	120
			Pyridine-d5	40	25.01	63		20	120
			Phenol-d5	40	27.03	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.42	66		10	150
			2-Chlorophenol-d4	40	29.28	73		15	120
			4-Methylphenol-d8	40	20.62	52		10	140
			Nitrobenzene-d5	40	31.52	79		10	135
			2-Nitrophenol-d4	40	27.83	70		10	120
			2,4-Dichlorophenol-d3	40	30.44	76		10	140
			4-Chloroaniline-d4	40	3.86	10		1	145
			Dimethylphthalate-d6	40	30.49	76		10	145
			Acenaphthylene-d8	40	22.36	56		15	120
			4-Nitrophenol-d4	40	18.13	45		10	150
			Fluorene-d10	40	29.19	73		20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	25.87	65		10	150
			Pyrene-d10	40	28.76	72		10	130
			Benzo(a)pyrene-d12	40	24.78	62		10	140
P5153-19MSD	E28Q4MSD	BG063690.D	1,4-Dioxane-d8	8	4.41	55		15	120
			Pyridine-d5	40	23.30	58		20	120
			Phenol-d5	40	27.15	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.54	69		10	150
			2-Chlorophenol-d4	40	31.17	78		15	120
			4-Methylphenol-d8	40	22.22	56		10	140
			Nitrobenzene-d5	40	27.00	68		10	135
			2-Nitrophenol-d4	40	5.22	13		10	120
			2,4-Dichlorophenol-d3	40	31.60	79		10	140
			4-Chloroaniline-d4	40	5.46	14		1	145
			Dimethylphthalate-d6	40	31.40	78		10	145
			Acenaphthylene-d8	40	24.45	61		15	120
			4-Nitrophenol-d4	40	12.19	30		10	150
			Fluorene-d10	40	30.20	75		20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	28.75	72		10	150
			Pyrene-d10	40	30.78	77		10	130
			Benzo(a)pyrene-d12	40	27.10	68		10	140

Surrogate Summary

SW-846

SDG No.: **BG121624**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5232-04	E28R8	BG063688.D	Pyridine-d5	40	14.32	36		20	120
			1,4-Dioxane-d8	8	3.09	39		15	120
			Phenol-d5	40	20.44	51		10	130
			Bis(2-Chloroethyl)ether-d8	40	19.36	48		10	150
			2-Chlorophenol-d4	40	18.28	46		15	120
			4-Methylphenol-d8	40	23.05	58		10	140
			Nitrobenzene-d5	40	23.88	60		10	135
			2-Nitrophenol-d4	40	17.21	43		10	120
			2,4-Dichlorophenol-d3	40	17.92	45		10	140
			4-Chloroaniline-d4	40	23.23	58		1	145
			Dimethylphthalate-d6	40	24.70	62		10	145
			Acenaphthylene-d8	40	25.55	64		15	120
			4-Nitrophenol-d4	40	9.43	24		10	150
			Fluorene-d10	40	25.44	64		20	140
			4,6-Dinitro-2-methylphenol-d2	40	1.57	4	*	10	130
			Anthracene-d10	40	27.77	69		10	150
			Pyrene-d10	40	25.71	64		10	130
			Benzo(a)pyrene-d12	40	25.61	64		10	140
P5232-07	E28S1	BG063685.D	1,4-Dioxane-d8	8	2.31	29		15	120
			Pyridine-d5	40	9.46	24		20	120
			Phenol-d5	40	14.72	37		10	130
			Bis(2-Chloroethyl)ether-d8	40	12.88	32		10	150
			2-Chlorophenol-d4	40	14.95	37		15	120
			4-Methylphenol-d8	40	11.12	28		10	140
			Nitrobenzene-d5	40	14.94	37		10	135
			2-Nitrophenol-d4	40	15.79	39		10	120
			2,4-Dichlorophenol-d3	40	15.35	38		10	140
			4-Chloroaniline-d4	40	11.48	29		1	145
			Dimethylphthalate-d6	40	15.43	39		10	145
			Acenaphthylene-d8	40	14.18	35		15	120
			4-Nitrophenol-d4	40	13.83	35		10	150
			Fluorene-d10	40	14.00	35		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.79	27		10	130
			Anthracene-d10	40	13.86	35		10	150
			Pyrene-d10	40	12.44	31		10	130
			Benzo(a)pyrene-d12	40	9.59	24		10	140
P5232-08	E28S2	BG063684.D	Pyridine-d5	40	14.26	36		20	120
			1,4-Dioxane-d8	8	2.74	34		15	120
			Phenol-d5	40	19.54	49		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.46	46		10	150
			2-Chlorophenol-d4	40	19.96	50		15	120
			4-Methylphenol-d8	40	17.24	43		10	140
			Nitrobenzene-d5	40	20.66	52		10	135
			2-Nitrophenol-d4	40	21.19	53		10	120
			2,4-Dichlorophenol-d3	40	21.48	54		10	140
			4-Chloroaniline-d4	40	6.51	16		1	145
			Dimethylphthalate-d6	40	21.56	54		10	145
			Acenaphthylene-d8	40	21.29	53		15	120
			4-Nitrophenol-d4	40	20.53	51		10	150

Surrogate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P5232-08	E28S2	BG063684.D	Fluorene-d10	40	21.64	54		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.60	36		10	130
			Anthracene-d10	40	21.75	54		10	150
			Pyrene-d10	40	21.17	53		10	130
			Benzo(a)pyrene-d12	40	18.05	45		10	140
P5232-10	E28S4	BG063687.D	1,4-Dioxane-d8	8	2.57	32		15	120
			Pyridine-d5	40	12.21	31		20	120
			Phenol-d5	40	18.49	46		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.01	40		10	150
			2-Chlorophenol-d4	40	18.79	47		15	120
			4-Methylphenol-d8	40	13.92	35		10	140
			Nitrobenzene-d5	40	19.96	50		10	135
			2-Nitrophenol-d4	40	20.79	52		10	120
			2,4-Dichlorophenol-d3	40	21.58	54		10	140
			4-Chloroaniline-d4	40	14.91	37		1	145
			Dimethylphthalate-d6	40	22.19	55		10	145
			Acenaphthylene-d8	40	21.10	53		15	120
			4-Nitrophenol-d4	40	20.25	51		10	150
			Fluorene-d10	40	21.27	53		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.13	25		10	130
			Anthracene-d10	40	20.94	52		10	150
			Pyrene-d10	40	19.71	49		10	130
			Benzo(a)pyrene-d12	40	18.24	46		10	140
P5232-17	E28T1	BG063686.D	Pyridine-d5	40	14.04	35		20	120
			1,4-Dioxane-d8	8	2.99	37		15	120
			Phenol-d5	40	19.03	48		10	130
			Bis(2-Chloroethyl)ether-d8	40	17.94	45		10	150
			2-Chlorophenol-d4	40	19.01	48		15	120
			4-Methylphenol-d8	40	14.45	36		10	140
			Nitrobenzene-d5	40	21.30	53		10	135
			2-Nitrophenol-d4	40	22.88	57		10	120
			2,4-Dichlorophenol-d3	40	20.79	52		10	140
			4-Chloroaniline-d4	40	13.44	34		1	145
			Dimethylphthalate-d6	40	22.32	56		10	145
			Acenaphthylene-d8	40	20.73	52		15	120
			4-Nitrophenol-d4	40	15.77	39		10	150
			Fluorene-d10	40	19.72	49		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.96	10		10	130
			Anthracene-d10	40	18.70	47		10	150
			Pyrene-d10	40	16.73	42		10	130
			Benzo(a)pyrene-d12	40	11.46	29		10	140

Surrogate Summary

SW-846

SDG No.: BG121624

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165588BL	PB165588BL	BG063683.D	Pyridine-d5	40	25.60	64		20	120
			1,4-Dioxane-d8	8	5.77	72		15	120
			Phenol-d5	40	30.27	76		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.66	72		10	150
			2-Chlorophenol-d4	40	31.19	78		15	120
			4-Methylphenol-d8	40	30.27	76		10	140
			Nitrobenzene-d5	40	34.27	86		10	135
			2-Nitrophenol-d4	40	33.41	84		10	120
			2,4-Dichlorophenol-d3	40	31.05	78		10	140
			4-Chloroaniline-d4	40	33.76	84		1	145
			Dimethylphthalate-d6	40	34.27	86		10	145
			Acenaphthylene-d8	40	33.05	83		15	120
			4-Nitrophenol-d4	40	33.07	83		10	150
			Fluorene-d10	40	34.37	86		20	140
			4,6-Dinitro-2-methylphenol-d2	40	27.46	69		10	130
			Anthracene-d10	40	35.31	88		10	150
			Pyrene-d10	40	34.19	85		10	130
			Benzo(a)pyrene-d12	40	33.50	84		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG121624

Lab Code: CHEM

SAS No.: BG121624 SDG NO.: BG121624

Lab File ID: BG063681.D

DFTPP Injection Date: 12/16/2024

Instrument ID: BNA_G

DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39
68	Less than 2.0% of mass 69	0.3 (0.8) 1
69	Mass 69 relative abundance	42.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	37.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	28
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	72.4
443	15.0 - 24.0% of mass 442	13.8 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020566	SSTDCCC020	BG063682.D	12/16/2024	10:34
SBLK588	PB165588BL	BG063683.D	12/16/2024	11:12
E28S2	P5232-08	BG063684.D	12/16/2024	11:50
E28S1	P5232-07	BG063685.D	12/16/2024	12:27
E28T1	P5232-17	BG063686.D	12/16/2024	13:05
E28S4	P5232-10	BG063687.D	12/16/2024	13:43
E28R8	P5232-04	BG063688.D	12/16/2024	14:20
E28Q4MS	P5153-18MS	BG063689.D	12/16/2024	14:58
E28Q4MSD	P5153-19MSD	BG063690.D	12/16/2024	15:39
SSTD020567	SSTDCCC020EC	BG063691.D	12/16/2024	17:16