

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101124 SAS No.: BM101124 SDG No.: BM101124

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 14:05

Lab File ID: BM048011.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020176 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.608	0.010	-10.1155	40.0
Benzaldehyde	1.028	0.892	0.010	-13.3058	40.0
Pyridine	1.908	1.612	0.010	-15.478	40.0
Phenol	2.012	1.636	0.080	-18.68	20.0
Bis(2-Chloroethyl)ether	1.603	1.308	0.100	-18.441	20.0
2-Chlorophenol	1.458	1.350	0.200	-7.3645	20.0
2-Methylphenol	1.403	1.169	0.010	-16.6864	20.0
2,2-oxybis(1-Chloropropane)	3.018	2.016	0.010	-33.2205	40.0
Acetophenone	2.406	1.930	0.060	-19.7951	20.0
4-Methylphenol	1.577	1.255	0.010	-20.4252	20.0
N-Nitroso-di-n-propylamine	1.274	0.972	0.050	-23.687	30.0
Hexachloroethane	0.655	0.569	0.100	-13.2248	20.0
Nitrobenzene	0.452	0.383	0.050	-15.2797	25.0
Isophorone	0.809	0.673	0.050	-16.8061	25.0
2-Nitrophenol	0.175	0.174	0.050	-0.4276	25.0
2,4-Dimethylphenol	0.374	0.339	0.050	-9.4091	25.0
Bis(2-Chloroethoxy)methane	0.495	0.416	0.050	-16.0365	20.0
2,4-Dichlorophenol	0.315	0.301	0.060	-4.3026	20.0
Naphthalene	1.150	1.076	0.200	-6.4263	20.0
4-Chloroaniline	0.464	0.399	0.010	-13.9444	40.0
Hexachlorobutadiene	0.208	0.200	0.040	-3.7156	30.0
Caprolactam	0.101	0.089	0.010	-11.4181	40.0
4-Chloro-3-methylphenol	0.326	0.296	0.040	-9.2298	25.0
1-Methylnaphthalene	0.744	0.703	0.100	-5.5357	20.0
2-Methylnaphthalene	0.731	0.667	0.100	-8.7121	20.0
Hexachlorocyclopentadiene	0.394	0.341	0.010	-13.2902	40.0
2,4,6-Trichlorophenol	0.377	0.379	0.090	0.6862	25.0
2,4,5-Trichlorophenol	0.412	0.409	0.100	-0.8204	25.0
1,1-Biphenyl	1.601	1.468	0.200	-8.3351	20.0
2-Chloronaphthalene	1.238	1.180	0.300	-4.7197	20.0
2-Nitroaniline	0.393	0.313	0.050	-20.5009	40.0
Dimethylphthalate	1.468	1.392	0.300	-5.2101	20.0
2,6-Dinitrotoluene	0.258	0.253	0.080	-1.8388	30.0
Acenaphthylene	1.939	1.922	0.400	-0.8674	20.0
3-Nitroaniline	0.312	0.269	0.010	-13.672	40.0
Acenaphthene	1.371	1.262	0.200	-7.9014	20.0
2,4-Dinitrophenol	0.159	0.128	0.010	-19.6656	40.0
4-Nitrophenol	0.242	0.191	0.010	-21.2702	40.0
Dibenzofuran	1.845	1.737	0.300	-5.8587	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101124 SAS No.: BM101124 SDG No.: BM101124

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 14:05

Lab File ID: BM048011.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020176 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.377	0.070	-2.7684	30.0
Diethylphthalate	1.469	1.326	0.300	-9.7186	20.0
Fluorene	1.539	1.425	0.200	-7.4328	20.0
4-Chlorophenyl-phenylether	0.727	0.677	0.100	-6.8732	20.0
4-Nitroaniline	0.303	0.264	0.010	-12.9812	40.0
4,6-Dinitro-2-methylphenol	0.130	0.118	0.010	-9.2225	40.0
N-Nitrosodiphenylamine	0.623	0.564	0.050	-9.4437	20.0
1,2,4,5-Tetrachlorobenzene	0.651	0.610	0.100	-6.353	20.0
4-Bromophenyl-phenylether	0.206	0.197	0.070	-4.5951	20.0
Hexachlorobenzene	0.240	0.236	0.050	-1.426	25.0
Atrazine	0.207	0.164	0.010	-21.0893	25.0
Pentachlorophenol	0.153	0.142	0.010	-7.0452	40.0
Phenanthrene	1.173	1.107	0.200	-5.5987	20.0
Pentachlorobenzene	0.323	0.290	0.050	-10.3214	20.0
Anthracene	1.196	1.113	0.200	-6.9545	20.0
1,2,3,4-Tetrachlorobenzene	0.331	0.301	0.050	-9.1702	20.0
Carbazole	1.084	1.018	0.050	-6.0782	40.0
Di-n-butylphthalate	1.207	1.096	0.500	-9.1686	25.0
Fluoranthene	1.337	1.204	0.400	-9.975	25.0
Pyrene	1.488	1.314	0.400	-11.6655	25.0
Butylbenzylphthalate	0.526	0.475	0.100	-9.7502	40.0
3,3-Dichlorobenzidine	0.423	0.400	0.010	-5.2773	40.0
Benzo (a) anthracene	1.400	1.349	0.300	-3.6644	30.0
Chrysene	1.365	1.289	0.200	-5.5846	30.0
Bis(2-ethylhexyl)phthalate	0.790	0.643	0.200	-18.5946	40.0
Di-n-octyl phthalate	1.290	0.944	0.010	-26.8452	40.0
Benzo (b) fluoranthene	1.247	1.176	0.200	-5.6975	25.0
Benzo (k) fluoranthene	1.275	1.183	0.200	-7.2725	25.0
Benzo (a) pyrene	1.185	1.139	0.200	-3.821	20.0
Indeno (1,2,3-cd) pyrene	1.518	1.424	0.200	-6.1889	25.0
Dibenzo (a,h) anthracene	1.244	1.185	0.200	-4.7072	30.0
Benzo (g,h,i) perylene	1.189	1.183	0.200	-0.5751	30.0
2,3,4,6-Tetrachlorophenol	0.325	0.343	0.040	5.5629	20.0
1,4-Dioxane-d8	0.619	0.550	0.010	-11.153	25.0
Pyridine-d5	1.812	1.519	0.010	-16.1918	40.0
Phenol-d5	1.891	1.597	0.010	-15.5765	25.0
Bis- (2-Chloroethyl) ether-d8	1.342	0.986	0.050	-26.5561	25.0
2-Chlorophenol-d4	1.376	1.315	0.200	-4.4101	20.0
4-Methylphenol-d8	1.406	1.198	0.010	-14.7849	20.0

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101124 SAS No.: BM101124 SDG No.: BM101124

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 14:05

Lab File ID: BM048011.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020176 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.158	0.050	-0.6769	20.0
2-Nitrophenol-d4	0.153	0.163	0.050	6.6144	30.0
2,4-Dichlorophenol-d3	0.305	0.305	0.060	-0.019	20.0
4-Chloroaniline-d4	0.471	0.410	0.010	-12.9297	40.0
Dimethylphthalate-d6	1.450	1.362	0.300	-6.088	20.0
Acenaphthylene-d8	1.719	1.622	0.400	-5.6429	20.0
4-Nitrophenol-d4	0.289	0.251	0.010	-13.2002	40.0
Fluorene-d10	1.256	1.195	0.100	-4.846	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.106	0.010	-9.3683	40.0
Anthracene-d10	0.983	0.915	0.300	-6.9673	20.0
Pyrene-d10	1.135	1.026	0.300	-9.6462	25.0
Benzo(a)pyrene-d12	1.038	0.966	0.010	-6.9253	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.: BM101124 SAS No.: BM101124 SDG No.: BM101124

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 23:12

Lab File ID: BM048022.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020177 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.676	0.531	0.010	-21.5172	50.0
Benzaldehyde	1.028	0.924	0.010	-10.194	50.0
Pyridine	1.908	1.453	0.010	-23.8338	50.0
Phenol	2.012	1.673	0.080	-16.8436	50.0
Bis(2-Chloroethyl)ether	1.603	1.326	0.100	-17.3199	50.0
2-Chlorophenol	1.458	1.396	0.200	-4.2575	50.0
2-Methylphenol	1.403	1.273	0.010	-9.257	50.0
2,2-oxybis(1-Chloropropane)	3.018	1.936	0.010	-35.8641	50.0
Acetophenone	2.406	2.020	0.060	-16.0441	50.0
4-Methylphenol	1.577	1.377	0.010	-12.6777	50.0
N-Nitroso-di-n-propylamine	1.274	0.993	0.050	-22.0515	50.0
Hexachloroethane	0.655	0.571	0.100	-12.9002	50.0
Nitrobenzene	0.452	0.370	0.050	-18.262	50.0
Isophorone	0.809	0.701	0.050	-13.3462	50.0
2-Nitrophenol	0.175	0.187	0.050	7.24	50.0
2,4-Dimethylphenol	0.374	0.342	0.050	-8.4957	50.0
Bis(2-Chloroethoxy)methane	0.495	0.422	0.050	-14.6827	50.0
2,4-Dichlorophenol	0.315	0.318	0.060	1.0971	50.0
Naphthalene	1.150	1.080	0.200	-6.1533	50.0
4-Chloroaniline	0.464	0.418	0.010	-9.8619	50.0
Hexachlorobutadiene	0.208	0.198	0.040	-4.8165	50.0
Caprolactam	0.101	0.104	0.010	3.7137	50.0
4-Chloro-3-methylphenol	0.326	0.322	0.040	-1.2113	50.0
1-Methylnaphthalene	0.744	0.732	0.100	-1.5302	50.0
2-Methylnaphthalene	0.731	0.703	0.100	-3.8586	50.0
Hexachlorocyclopentadiene	0.394	0.304	0.010	-22.7217	50.0
2,4,6-Trichlorophenol	0.377	0.389	0.090	3.324	50.0
2,4,5-Trichlorophenol	0.412	0.431	0.100	4.5381	50.0
1,1-Biphenyl	1.601	1.431	0.200	-10.6527	50.0
2-Chloronaphthalene	1.238	1.149	0.300	-7.2106	50.0
2-Nitroaniline	0.393	0.320	0.050	-18.4876	50.0
Dimethylphthalate	1.468	1.372	0.300	-6.5581	50.0
2,6-Dinitrotoluene	0.258	0.280	0.080	8.4003	50.0
Acenaphthylene	1.939	1.916	0.400	-1.1748	50.0
3-Nitroaniline	0.312	0.318	0.010	1.7487	50.0
Acenaphthene	1.371	1.245	0.200	-9.1667	50.0
2,4-Dinitrophenol	0.159	0.145	0.010	-9.0722	50.0
4-Nitrophenol	0.242	0.260	0.010	7.3599	50.0
Dibenzofuran	1.845	1.710	0.300	-7.2969	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM101124 SAS No.: BM101124 SDG No.: BM101124

Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 23:12

Lab File ID: BM048022.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020177 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.387	0.416	0.070	7.281	50.0
Diethylphthalate	1.469	1.373	0.300	-6.5283	50.0
Fluorene	1.539	1.398	0.200	-9.1435	50.0
4-Chlorophenyl-phenylether	0.727	0.676	0.100	-6.9975	50.0
4-Nitroaniline	0.303	0.343	0.010	13.0131	50.0
4,6-Dinitro-2-methylphenol	0.130	0.103	0.010	-20.6435	50.0
N-Nitrosodiphenylamine	0.623	0.560	0.050	-10.1471	50.0
1,2,4,5-Tetrachlorobenzene	0.651	0.585	0.100	-10.1645	50.0
4-Bromophenyl-phenylether	0.206	0.198	0.070	-3.8855	50.0
Hexachlorobenzene	0.240	0.240	0.050	0.1875	50.0
Atrazine	0.207	0.204	0.010	-1.4579	50.0
Pentachlorophenol	0.153	0.178	0.010	16.4925	50.0
Phenanthrene	1.173	1.072	0.200	-8.6211	50.0
Pentachlorobenzene	0.323	0.280	0.050	-13.4283	50.0
Anthracene	1.196	1.105	0.200	-7.6269	50.0
1,2,3,4-Tetrachlorobenzene	0.331	0.277	0.050	-16.2329	50.0
Carbazole	1.084	1.007	0.050	-7.1055	50.0
Di-n-butylphthalate	1.207	1.166	0.500	-3.386	50.0
Fluoranthene	1.337	1.344	0.400	0.5703	50.0
Pyrene	1.488	1.412	0.400	-5.0969	50.0
Butylbenzylphthalate	0.526	0.586	0.100	11.4886	50.0
3,3-Dichlorobenzidine	0.423	0.414	0.010	-2.1449	50.0
Benzo (a) anthracene	1.400	1.399	0.300	-0.0608	50.0
Chrysene	1.365	1.285	0.200	-5.8419	50.0
Bis(2-ethylhexyl)phthalate	0.790	0.822	0.200	4.051	50.0
Di-n-octyl phthalate	1.290	1.249	0.010	-3.2115	50.0
Benzo (b) fluoranthene	1.247	1.190	0.200	-4.5754	50.0
Benzo (k) fluoranthene	1.275	1.179	0.200	-7.5617	50.0
Benzo (a) pyrene	1.185	1.129	0.200	-4.6976	50.0
Indeno (1,2,3-cd) pyrene	1.518	1.418	0.200	-6.6095	50.0
Dibenzo (a,h) anthracene	1.244	1.181	0.200	-5.077	50.0
Benzo (g,h,i) perylene	1.189	1.159	0.200	-2.5837	50.0
2,3,4,6-Tetrachlorophenol	0.325	0.362	0.040	11.4037	50.0
1,4-Dioxane-d8	0.619	0.477	0.010	-22.933	50.0
Pyridine-d5	1.812	1.364	0.010	-24.7376	50.0
Phenol-d5	1.891	1.631	0.010	-13.7496	50.0
Bis- (2-Chloroethyl) ether-d8	1.342	0.959	0.050	-28.5517	50.0
2-Chlorophenol-d4	1.376	1.391	0.200	1.1007	50.0
4-Methylphenol-d8	1.406	1.303	0.010	-7.3225	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BM101124 SAS No.: BM101124 SDG No.: BM101124
 Instrument ID: BNA_M Calibration Date/Time: 10/11/2024 : 23:12
 Lab File ID: BM048022.D Init. Calib. Date(s): _____
 EPA Sample No.: SSTD020177 Init. Calib. Time(s): _____
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.159	0.165	0.050	3.6621	50.0
2-Nitrophenol-d4	0.153	0.176	0.050	15.3455	50.0
2,4-Dichlorophenol-d3	0.305	0.320	0.060	5.051	50.0
4-Chloroaniline-d4	0.471	0.438	0.010	-6.9971	50.0
Dimethylphthalate-d6	1.450	1.358	0.300	-6.3441	50.0
Acenaphthylene-d8	1.719	1.651	0.400	-3.9582	50.0
4-Nitrophenol-d4	0.289	0.285	0.010	-1.3205	50.0
Fluorene-d10	1.256	1.221	0.100	-2.7627	50.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.097	0.010	-17.2658	50.0
Anthracene-d10	0.983	0.924	0.300	-6.0815	50.0
Pyrene-d10	1.135	1.137	0.300	0.1572	50.0
Benzo(a)pyrene-d12	1.038	0.983	0.010	-5.2301	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	SBLK830	SDG No.:	BM101124
Lab Sample ID:	PB163830BL	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
BM048012.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	75	U	75	82.5	330	ug/Kg
110-86-1	Pyridine	43	U	43	170	330	ug/Kg
108-95-2	Phenol	35	U	35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	34	U	34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	30	U	30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	27	U	27	82.5	330	ug/Kg
98-86-2	Acetophenone	38	U	38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	32	U	32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	29	U	29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	23	U	23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	36	U	36	42.5	170	ug/Kg
78-59-1	Isophorone	34	U	34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	32	U	32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	28	U	28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	38	U	38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	39	U	39	42.5	170	ug/Kg
91-20-3	Naphthalene	34	U	34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	43	U	43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	34	U	34	42.5	170	ug/Kg
105-60-2	Caprolactam	120	U	120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28	U	28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	41	U	41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	37	U	37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	79	U	79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	43	U	43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	42	U	42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	SBLK830	SDG No.:	BM101124
Lab Sample ID:	PB163830BL	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
BM048012.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	48	U	48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	45	U	45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	22	U	22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	42	U	42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	21	U	21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	43	U	43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	20	U	20	82.5	330	ug/Kg
83-32-9	Acenaphthene	41	U	41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	41	U	41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	46	U	46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	27	U	27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	60	U	60	42.5	170	ug/Kg
86-73-7	Fluorene	45	U	45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	47	U	47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	42	U	42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	42	U	42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	51	U	51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	45	U	45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	50	U	50	42.5	170	ug/Kg
1912-24-9	Atrazine	39	U	39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	87	U	87	82.5	330	ug/Kg
85-01-8	Phenanthrene	44	U	44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	51	U	51	42.5	170	ug/Kg
120-12-7	Anthracene	43	U	43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	33	U	33	42.5	170	ug/Kg
86-74-8	Carbazole	45	U	45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	42	U	42	42.5	170	ug/Kg
206-44-0	Fluoranthene	44	U	44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	SBLK830	SDG No.:	BM101124
Lab Sample ID:	PB163830BL	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
BM048012.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.21		15-120		53	SPK: -8
7291-22-7	Pyridine-d5	19.375		20-120		48	SPK: -40
4165-62-2	Phenol-d5	19.382		10-130		48	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	17.897		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.444		15-120		56	SPK: -40
190780-66-6	4-Methylphenol-d8	19.076		10-140		48	SPK: -40
4165-60-0	Nitrobenzene-d5	22.131		10-135		55	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.682		10-120		59	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	20.294		10-140		51	SPK: -40
191656-33-4	4-Chloroaniline-d4	19.502		1-145		49	SPK: -40
85448-30-2	Dimethylphthalate-d6	23.885		10-145		60	SPK: -40
93951-97-4	Acenaphthylene-d8	22.723		15-120		57	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.543		10-150		36	SPK: -40
81103-79-9	Fluorene-d10	23.378		20-140		58	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	SBLK830	SDG No.:	BM101124
Lab Sample ID:	PB163830BL	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
BM048012.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.381		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	23.136		10-150		58	SPK: -40
1718-52-1	Pyrene-d10	24.208		10-130		61	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.507		10-140		61	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161605	7.781				
1146-65-2	Naphthalene-d8	615525	10.575				
15067-26-2	Acenaphthene-d10	348159	14.416				
1517-22-2	Phenanthrene-d10	700617	17.157				
1719-03-5	Chrysene-d12	686542	21.38				
1520-96-3	Perylene-d12	852897	24.362				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	68	J			18.051	
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048013.D	1	10/10/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	39	U	39	19.8	200	ug/Kg
100-52-7	Benzaldehyde	230	U	230	250	990	ug/Kg
110-86-1	Pyridine	130	U	130	500	990	ug/Kg
108-95-2	Phenol	110	U	110	250	990	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	100	U	100	250	990	ug/Kg
95-57-8	2-Chlorophenol	84	U	84	130	510	ug/Kg
95-48-7	2-Methylphenol	90	U	90	250	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	81	U	81	250	990	ug/Kg
98-86-2	Acetophenone	110	U	110	250	990	ug/Kg
106-44-5	4-Methylphenol	96	U	96	250	990	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	87	U	87	130	510	ug/Kg
67-72-1	Hexachloroethane	69	U	69	130	510	ug/Kg
98-95-3	Nitrobenzene	110	U	110	130	510	ug/Kg
78-59-1	Isophorone	100	U	100	130	510	ug/Kg
88-75-5	2-Nitrophenol	96	U	96	130	510	ug/Kg
105-67-9	2,4-Dimethylphenol	84	U	84	130	510	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	110	U	110	130	510	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	130	510	ug/Kg
91-20-3	Naphthalene	100	U	100	130	510	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	130	990	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	130	510	ug/Kg
105-60-2	Caprolactam	360	U	360	250	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84	U	84	130	510	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	130	510	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	130	510	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	250	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	130	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	130	510	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048013.D	1	10/10/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	140	U	140	130	510	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	130	510	ug/Kg
88-74-4	2-Nitroaniline	66	U	66	130	510	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	130	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	U	63	130	510	ug/Kg
208-96-8	Acenaphthylene	130	U	130	130	510	ug/Kg
99-09-2	3-Nitroaniline	60	U	60	250	990	ug/Kg
83-32-9	Acenaphthene	120	U	120	130	510	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	250	990	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	250	990	ug/Kg
132-64-9	Dibenzofuran	140	U	140	130	510	ug/Kg
121-14-2	2,4-Dinitrotoluene	81	U	81	130	510	ug/Kg
84-66-2	Diethylphthalate	180	U	180	130	510	ug/Kg
86-73-7	Fluorene	140	U	140	130	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	130	510	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	250	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	250	990	ug/Kg
86-30-6	N-Nitrosodiphenylamine	130	U	130	130	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	130	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	130	510	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	130	510	ug/Kg
1912-24-9	Atrazine	120	U	120	250	990	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	250	990	ug/Kg
85-01-8	Phenanthrene	130	U	130	130	510	ug/Kg
608-93-5	Pentachlorobenzene	150	U	150	130	510	ug/Kg
120-12-7	Anthracene	130	U	130	130	510	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	99	U	99	130	510	ug/Kg
86-74-8	Carbazole	140	U	140	250	990	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	130	510	ug/Kg
206-44-0	Fluoranthene	130	U	130	250	510	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048013.D	1	10/10/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164045

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	U	130	130	510	ug/Kg
85-68-7	Butylbenzylphthalate	96	U	96	130	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69	U	69	250	990	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	130	510	ug/Kg
218-01-9	Chrysene	140	U	140	130	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	130	510	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	250	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	130	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	130	510	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	130	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	130	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	130	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	130	510	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	0	U	10-130		0	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	0	U	10-150		0	SPK: -40
93951-73-6	2-Chlorophenol-d4	0	U	15-120		0	SPK: -40
190780-66-6	4-Methylphenol-d8	0	U	10-140		0	SPK: -40
4165-60-0	Nitrobenzene-d5	0	U	10-135		0	SPK: -40
93951-78-1	2-Nitrophenol-d4	0	U	10-120		0	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	0	U	10-140		0	SPK: -40
191656-33-4	4-Chloroaniline-d4	0	U	1-145		0	SPK: -40
85448-30-2	Dimethylphthalate-d6	0	U	10-145		0	SPK: -40
93951-97-4	Acenaphthylene-d8	0	U	15-120		0	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	0	U	20-140		0	SPK: -40

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048013.D	1	10/10/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB164045

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	0	U	10-150		0	SPK: -40
1718-52-1	Pyrene-d10	0	U	10-130		0	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	0	U	10-140		0	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	141083	7.781				
1146-65-2	Naphthalene-d8	513824	10.575				
15067-26-2	Acenaphthene-d10	310891	14.415				
1517-22-2	Phenanthrene-d10	607842	17.156				
1719-03-5	Chrysene-d12	641761	21.38				
1520-96-3	Perylene-d12	797395	24.362				
TENTATIVE IDENTIFIED COMPOUNDS							
1000324-48-6	Adipic acid, 2-ethylhexyl octyl es	240	J			20.539	
E966796	Total Alkanes	140	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048014.D	1	10/7/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163962

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	39	U	39	19.8	200	ug/Kg
100-52-7	Benzaldehyde	230	U	230	250	990	ug/Kg
110-86-1	Pyridine	130	U	130	500	990	ug/Kg
108-95-2	Phenol	110	U	110	250	990	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	100	U	100	250	990	ug/Kg
95-57-8	2-Chlorophenol	84	U	84	130	510	ug/Kg
95-48-7	2-Methylphenol	90	U	90	250	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	81	U	81	250	990	ug/Kg
98-86-2	Acetophenone	110	U	110	250	990	ug/Kg
106-44-5	4-Methylphenol	96	U	96	250	990	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	87	U	87	130	510	ug/Kg
67-72-1	Hexachloroethane	69	U	69	130	510	ug/Kg
98-95-3	Nitrobenzene	110	U	110	130	510	ug/Kg
78-59-1	Isophorone	100	U	100	130	510	ug/Kg
88-75-5	2-Nitrophenol	96	U	96	130	510	ug/Kg
105-67-9	2,4-Dimethylphenol	84	U	84	130	510	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	110	U	110	130	510	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	130	510	ug/Kg
91-20-3	Naphthalene	100	U	100	130	510	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	130	990	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	130	510	ug/Kg
105-60-2	Caprolactam	360	U	360	250	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84	U	84	130	510	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	130	510	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	130	510	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	250	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	130	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	130	510	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048014.D	1	10/7/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163962

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	140	U	140	130	510	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	130	510	ug/Kg
88-74-4	2-Nitroaniline	66	U	66	130	510	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	130	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	U	63	130	510	ug/Kg
208-96-8	Acenaphthylene	130	U	130	130	510	ug/Kg
99-09-2	3-Nitroaniline	60	U	60	250	990	ug/Kg
83-32-9	Acenaphthene	120	U	120	130	510	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	250	990	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	250	990	ug/Kg
132-64-9	Dibenzofuran	140	U	140	130	510	ug/Kg
121-14-2	2,4-Dinitrotoluene	81	U	81	130	510	ug/Kg
84-66-2	Diethylphthalate	180	U	180	130	510	ug/Kg
86-73-7	Fluorene	140	U	140	130	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	130	510	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	250	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	250	990	ug/Kg
86-30-6	N-Nitrosodiphenylamine	130	U	130	130	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	130	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	130	510	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	130	510	ug/Kg
1912-24-9	Atrazine	120	U	120	250	990	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	250	990	ug/Kg
85-01-8	Phenanthrene	130	U	130	130	510	ug/Kg
608-93-5	Pentachlorobenzene	150	U	150	130	510	ug/Kg
120-12-7	Anthracene	130	U	130	130	510	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	99	U	99	130	510	ug/Kg
86-74-8	Carbazole	140	U	140	250	990	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	130	510	ug/Kg
206-44-0	Fluoranthene	130	U	130	250	510	ug/Kg

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048014.D	1	10/7/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163962

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	U	130	130	510	ug/Kg
85-68-7	Butylbenzylphthalate	96	U	96	130	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69	U	69	250	990	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	130	510	ug/Kg
218-01-9	Chrysene	140	U	140	130	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	130	510	ug/Kg
117-84-0	Di-n-octyl phthalate	100	U	100	250	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	130	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	130	510	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	130	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	130	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	130	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	130	510	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	0	U	10-130		0	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	0	U	10-150		0	SPK: -40
93951-73-6	2-Chlorophenol-d4	0	U	15-120		0	SPK: -40
190780-66-6	4-Methylphenol-d8	0	U	10-140		0	SPK: -40
4165-60-0	Nitrobenzene-d5	0	U	10-135		0	SPK: -40
93951-78-1	2-Nitrophenol-d4	0	U	10-120		0	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	0	U	10-140		0	SPK: -40
191656-33-4	4-Chloroaniline-d4	0	U	1-145		0	SPK: -40
85448-30-2	Dimethylphthalate-d6	0	U	10-145		0	SPK: -40
93951-97-4	Acenaphthylene-d8	0	U	15-120		0	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	0	U	20-140		0	SPK: -40

Report of Analysis

Client:		Date Collected:	10/4/2024 12:00:00 AM
Project:		Date Received:	10/4/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK	SDG No.:	BM101124
Lab Sample ID:	P4300-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 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
BM048014.D	1	10/7/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163962

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	0	U	10-150		0	SPK: -40
1718-52-1	Pyrene-d10	0	U	10-130		0	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	0	U	10-140		0	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	116493	7.781				
1146-65-2	Naphthalene-d8	425133	10.575				
15067-26-2	Acenaphthene-d10	257808	14.416				
1517-22-2	Phenanthrene-d10	499058	17.157				
1719-03-5	Chrysene-d12	531837	21.38				
1520-96-3	Perylene-d12	651536	24.362				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	140	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F09	SDG No.:	BM101124
Lab Sample ID:	P4237-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048015.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	26	U	26	13.2	130	ug/Kg
100-52-7	Benzaldehyde	150	U	150	160	660	ug/Kg
110-86-1	Pyridine	86	U	86	330	660	ug/Kg
108-95-2	Phenol	70	U	70	160	660	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	68	U	68	160	660	ug/Kg
95-57-8	2-Chlorophenol	56	U	56	84.9	340	ug/Kg
95-48-7	2-Methylphenol	60	U	60	160	660	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	54	U	54	160	660	ug/Kg
98-86-2	Acetophenone	110	J	76	160	660	ug/Kg
106-44-5	4-Methylphenol	64	U	64	160	660	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	58	U	58	84.9	340	ug/Kg
67-72-1	Hexachloroethane	46	U	46	84.9	340	ug/Kg
98-95-3	Nitrobenzene	72	U	72	84.9	340	ug/Kg
78-59-1	Isophorone	68	U	68	84.9	340	ug/Kg
88-75-5	2-Nitrophenol	64	U	64	84.9	340	ug/Kg
105-67-9	2,4-Dimethylphenol	56	U	56	84.9	340	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	76	U	76	84.9	340	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	84.9	340	ug/Kg
91-20-3	Naphthalene	68	U	68	84.9	340	ug/Kg
106-47-8	4-Chloroaniline	86	U	86	84.9	660	ug/Kg
87-68-3	Hexachlorobutadiene	68	U	68	84.9	340	ug/Kg
105-60-2	Caprolactam	240	U	240	160	660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56	U	56	84.9	340	ug/Kg
90-12-0	1-Methylnaphthalene	82	U	82	84.9	340	ug/Kg
91-57-6	2-Methylnaphthalene	74	U	74	84.9	340	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	160	660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	86	U	86	84.9	340	ug/Kg
95-95-4	2,4,5-Trichlorophenol	84	U	84	84.9	340	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F09	SDG No.:	BM101124
Lab Sample ID:	P4237-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048015.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	96	U	96	84.9	340	ug/Kg
91-58-7	2-Chloronaphthalene	90	U	90	84.9	340	ug/Kg
88-74-4	2-Nitroaniline	44	U	44	84.9	340	ug/Kg
131-11-3	Dimethylphthalate	84	U	84	84.9	340	ug/Kg
606-20-2	2,6-Dinitrotoluene	42	U	42	84.9	340	ug/Kg
208-96-8	Acenaphthylene	86	U	86	84.9	340	ug/Kg
99-09-2	3-Nitroaniline	40	U	40	160	660	ug/Kg
83-32-9	Acenaphthene	82	U	82	84.9	340	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	160	660	ug/Kg
100-02-7	4-Nitrophenol	82	U	82	160	660	ug/Kg
132-64-9	Dibenzofuran	92	U	92	84.9	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	54	U	54	84.9	340	ug/Kg
84-66-2	Diethylphthalate	120	U	120	84.9	340	ug/Kg
86-73-7	Fluorene	90	U	90	84.9	340	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	94	U	94	84.9	340	ug/Kg
100-01-6	4-Nitroaniline	84	U	84	160	660	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	32	U	32	160	660	ug/Kg
86-30-6	N-Nitrosodiphenylamine	84	U	84	84.9	340	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	84.9	340	ug/Kg
101-55-3	4-Bromophenyl-phenylether	90	U	90	84.9	340	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	84.9	340	ug/Kg
1912-24-9	Atrazine	78	U	78	160	660	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	660	ug/Kg
85-01-8	Phenanthrene	620		88	84.9	340	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	84.9	340	ug/Kg
120-12-7	Anthracene	120	J	86	84.9	340	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	66	U	66	84.9	340	ug/Kg
86-74-8	Carbazole	90	U	90	160	660	ug/Kg
84-74-2	Di-n-butylphthalate	84	U	84	84.9	340	ug/Kg
206-44-0	Fluoranthene	1600		88	160	340	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F09	SDG No.:	BM101124
Lab Sample ID:	P4237-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
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
BM048015.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1100		88	84.9	340	ug/Kg
85-68-7	Butylbenzylphthalate	64	U	64	84.9	340	ug/Kg
91-94-1	3,3-Dichlorobenzidine	46	U	46	160	660	ug/Kg
56-55-3	Benzo(a)anthracene	690		78	84.9	340	ug/Kg
218-01-9	Chrysene	920		90	84.9	340	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	410		88	84.9	340	ug/Kg
117-84-0	Di-n-octyl phthalate	68	U	68	160	660	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		84	84.9	340	ug/Kg
207-08-9	Benzo(k)fluoranthene	370		90	84.9	340	ug/Kg
50-32-8	Benzo(a)pyrene	460		84	84.9	340	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	410		74	84.9	340	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	160	J	74	84.9	340	ug/Kg
191-24-2	Benzo(g,h,i)perylene	75	J	70	84.9	340	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74	U	74	84.9	340	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.295		15-120		29	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	11.545		10-130		29	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	10.578		10-150		26	SPK: -40
93951-73-6	2-Chlorophenol-d4	13.491		15-120		34	SPK: -40
190780-66-6	4-Methylphenol-d8	11.181		10-140		28	SPK: -40
4165-60-0	Nitrobenzene-d5	12.726		10-135		32	SPK: -40
93951-78-1	2-Nitrophenol-d4	13.59		10-120		34	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	13.268		10-140		33	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.382		1-145		3	SPK: -40
85448-30-2	Dimethylphthalate-d6	13.39		10-145		33	SPK: -40
93951-97-4	Acenaphthylene-d8	13.668		15-120		34	SPK: -40
93951-79-2	4-Nitrophenol-d4	8.617		10-150		22	SPK: -40
81103-79-9	Fluorene-d10	14.918		20-140		37	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F09	SDG No.:	BM101124
Lab Sample ID:	P4237-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048015.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	8.348		10-130		21	SPK: -40
1719-06-8	Anthracene-d10	13.868		10-150		35	SPK: -40
1718-52-1	Pyrene-d10	13.039		10-130		33	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	10.31		10-140		26	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	153858	7.781				
1146-65-2	Naphthalene-d8	603595	10.569				
15067-26-2	Acenaphthene-d10	362395	14.416				
1517-22-2	Phenanthrene-d10	817778	17.157				
1719-03-5	Chrysene-d12	937934	21.38				
1520-96-3	Perylene-d12	1119242	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	170	J			14.48	
000119-61-9	Benzophenone	500	J			15.768	
000057-10-3	n-Hexadecanoic acid	770	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	220	J			18.221	
000084-65-1	9,10-Anthracenedione	150	J			18.568	
	(DEL) Alkane: Cyclic21.062	430	J			21.062	
	(DEL) Alkane: Straight-Chain22.139	510	J			22.139	
000124-25-4	Tetradecanal	610	J			23.097	
1000333-91-9	1-Docosanol, methyl ether	830	J			23.58	
058196-28-4	Pentacosanal	1100	J			24.862	
	(DEL) Alkane: Straight-Chain25.415	1500	J			25.415	
	(DEL) Alkane: Straight-Chain25.538	1000	J			25.538	
E966796	Total Alkanes	3400				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F21	SDG No.:	BM101124
Lab Sample ID:	P4237-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38
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
BM048016.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	21	U	21	10.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	130	530	ug/Kg
110-86-1	Pyridine	69	U	69	270	530	ug/Kg
108-95-2	Phenol	110	J	56	130	530	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	55	U	55	130	530	ug/Kg
95-57-8	2-Chlorophenol	45	U	45	68.5	270	ug/Kg
95-48-7	2-Methylphenol	48	U	48	130	530	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	44	U	44	130	530	ug/Kg
98-86-2	Acetophenone	170	J	61	130	530	ug/Kg
106-44-5	4-Methylphenol	52	U	52	130	530	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	47	U	47	68.5	270	ug/Kg
67-72-1	Hexachloroethane	37	U	37	68.5	270	ug/Kg
98-95-3	Nitrobenzene	58	U	58	68.5	270	ug/Kg
78-59-1	Isophorone	55	U	55	68.5	270	ug/Kg
88-75-5	2-Nitrophenol	52	U	52	68.5	270	ug/Kg
105-67-9	2,4-Dimethylphenol	45	U	45	68.5	270	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	61	U	61	68.5	270	ug/Kg
120-83-2	2,4-Dichlorophenol	63	U	63	68.5	270	ug/Kg
91-20-3	Naphthalene	55	U	55	68.5	270	ug/Kg
106-47-8	4-Chloroaniline	69	U	69	68.5	530	ug/Kg
87-68-3	Hexachlorobutadiene	55	U	55	68.5	270	ug/Kg
105-60-2	Caprolactam	190	U	190	130	530	ug/Kg
59-50-7	4-Chloro-3-methylphenol	45	U	45	68.5	270	ug/Kg
90-12-0	1-Methylnaphthalene	66	U	66	68.5	270	ug/Kg
91-57-6	2-Methylnaphthalene	60	U	60	68.5	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	130	U	130	130	530	ug/Kg
88-06-2	2,4,6-Trichlorophenol	69	U	69	68.5	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	68	U	68	68.5	270	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F21	SDG No.:	BM101124
Lab Sample ID:	P4237-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38
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
BM048016.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	77	U	77	68.5	270	ug/Kg
91-58-7	2-Chloronaphthalene	73	U	73	68.5	270	ug/Kg
88-74-4	2-Nitroaniline	35	U	35	68.5	270	ug/Kg
131-11-3	Dimethylphthalate	68	U	68	68.5	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	34	U	34	68.5	270	ug/Kg
208-96-8	Acenaphthylene	180	J	69	68.5	270	ug/Kg
99-09-2	3-Nitroaniline	32	U	32	130	530	ug/Kg
83-32-9	Acenaphthene	67	J	66	68.5	270	ug/Kg
51-28-5	2,4-Dinitrophenol	190	U	190	130	530	ug/Kg
100-02-7	4-Nitrophenol	66	U	66	130	530	ug/Kg
132-64-9	Dibenzofuran	74	U	74	68.5	270	ug/Kg
121-14-2	2,4-Dinitrotoluene	44	U	44	68.5	270	ug/Kg
84-66-2	Diethylphthalate	97	U	97	68.5	270	ug/Kg
86-73-7	Fluorene	73	J	73	68.5	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	76	U	76	68.5	270	ug/Kg
100-01-6	4-Nitroaniline	68	U	68	130	530	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	26	U	26	130	530	ug/Kg
86-30-6	N-Nitrosodiphenylamine	68	U	68	68.5	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	82	U	82	68.5	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	73	U	73	68.5	270	ug/Kg
118-74-1	Hexachlorobenzene	81	U	81	68.5	270	ug/Kg
1912-24-9	Atrazine	63	U	63	130	530	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	130	530	ug/Kg
85-01-8	Phenanthrene	1200		71	68.5	270	ug/Kg
608-93-5	Pentachlorobenzene	82	U	82	68.5	270	ug/Kg
120-12-7	Anthracene	260	J	69	68.5	270	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	53	U	53	68.5	270	ug/Kg
86-74-8	Carbazole	180	J	73	130	530	ug/Kg
84-74-2	Di-n-butylphthalate	68	U	68	68.5	270	ug/Kg
206-44-0	Fluoranthene	3400		71	130	270	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F21	SDG No.:	BM101124
Lab Sample ID:	P4237-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38
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
BM048016.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	2400		71	68.5	270	ug/Kg
85-68-7	Butylbenzylphthalate	52	U	52	68.5	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37	U	37	130	530	ug/Kg
56-55-3	Benzo(a)anthracene	1400		63	68.5	270	ug/Kg
218-01-9	Chrysene	1800		73	68.5	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	990		71	68.5	270	ug/Kg
117-84-0	Di-n-octyl phthalate	55	U	55	130	530	ug/Kg
205-99-2	Benzo(b)fluoranthene	2600		68	68.5	270	ug/Kg
207-08-9	Benzo(k)fluoranthene	840		73	68.5	270	ug/Kg
50-32-8	Benzo(a)pyrene	1000		68	68.5	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	870		60	68.5	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	330		60	68.5	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160	J	56	68.5	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60	U	60	68.5	270	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	1.903	*	20-120		5	SPK: -40
17647-74-4	1,4-Dioxane-d8	2.187		15-120		27	SPK: -8
4165-62-2	Phenol-d5	18.34		10-130		46	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	14.942		10-150		37	SPK: -40
93951-73-6	2-Chlorophenol-d4	20.477		15-120		51	SPK: -40
190780-66-6	4-Methylphenol-d8	16.268		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	20.056		10-135		50	SPK: -40
93951-78-1	2-Nitrophenol-d4	22.656		10-120		57	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.678		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.021		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.575		10-145		56	SPK: -40
93951-97-4	Acenaphthylene-d8	22.472		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	16.531		10-150		41	SPK: -40
81103-79-9	Fluorene-d10	24.113		20-140		60	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F21	SDG No.:	BM101124
Lab Sample ID:	P4237-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38
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
BM048016.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	13.253		10-130		33	SPK: -40
1719-06-8	Anthracene-d10	22.427		10-150		56	SPK: -40
1718-52-1	Pyrene-d10	23.394		10-130		58	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	17.506		10-140		44	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97631	7.781				
1146-65-2	Naphthalene-d8	395131	10.569				
15067-26-2	Acenaphthene-d10	246760	14.416				
1517-22-2	Phenanthrene-d10	530987	17.157				
1719-03-5	Chrysene-d12	509902	21.38				
1520-96-3	Perylene-d12	596574	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
010141-72-7	2H-Pyran, tetrahydro-2-methyl-	170	J			3.758	
	unknown-01	140	J			4.893	
001193-18-6	2-Cyclohexen-1-one, 3-methyl-	380	J			13.387	
000501-94-0	Benzeneethanol, 4-hydroxy-	240	J			13.557	
000119-61-9	Benzophenone	710	J			15.769	
001002-84-2	Pentadecanoic acid	120	J			17.057	
010030-73-6	(E)-Hexadec-9-enoic acid	120	J			17.986	
000057-10-3	n-Hexadecanoic acid	1700	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	420	J			18.221	
000949-41-7	1H-Cyclopropa[l]phenanthrene,1a,9b	160	J			18.257	
000612-94-2	Naphthalene, 2-phenyl-	150	J			18.527	
000084-65-1	9,10-Anthracenedione	320	J			18.569	
003674-66-6	Phenanthrene, 2,5-dimethyl-	160	J			18.945	
005737-13-3	Cyclopenta(def)phenanthrenone	250	J			19.086	
000057-11-4	Octadecanoic acid	130	J			19.327	
	(DEL) Alkane: Cyclic	21.057	J			21.057	
	(DEL) Alkane: Straight-Chain	22.139	J			22.139	

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F21	SDG No.:	BM101124
Lab Sample ID:	P4237-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	38
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048016.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	(DEL) Alkane: Straight-Chain	23.580				23.58	
E966796	Total Alkanes	1700	J			99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN6	SDG No.:	BM101124
Lab Sample ID:	P4237-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
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
BM048017.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	18	U	18	9.3	94	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	470	ug/Kg
110-86-1	Pyridine	61	U	61	230	470	ug/Kg
108-95-2	Phenol	49	U	49	120	470	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	48	U	48	120	470	ug/Kg
95-57-8	2-Chlorophenol	40	U	40	60.1	240	ug/Kg
95-48-7	2-Methylphenol	42	U	42	120	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38	U	38	120	470	ug/Kg
98-86-2	Acetophenone	100	J	54	120	470	ug/Kg
106-44-5	4-Methylphenol	45	U	45	120	470	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	41	U	41	60.1	240	ug/Kg
67-72-1	Hexachloroethane	33	U	33	60.1	240	ug/Kg
98-95-3	Nitrobenzene	51	U	51	60.1	240	ug/Kg
78-59-1	Isophorone	48	U	48	60.1	240	ug/Kg
88-75-5	2-Nitrophenol	45	U	45	60.1	240	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	60.1	240	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	60.1	240	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	60.1	240	ug/Kg
91-20-3	Naphthalene	48	U	48	60.1	240	ug/Kg
106-47-8	4-Chloroaniline	61	U	61	60.1	470	ug/Kg
87-68-3	Hexachlorobutadiene	48	U	48	60.1	240	ug/Kg
105-60-2	Caprolactam	170	U	170	120	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40	U	40	60.1	240	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	60.1	240	ug/Kg
91-57-6	2-Methylnaphthalene	52	U	52	60.1	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	61	U	61	60.1	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	59	U	59	60.1	240	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN6	SDG No.:	BM101124
Lab Sample ID:	P4237-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
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
BM048017.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	68	U	68	60.1	240	ug/Kg
91-58-7	2-Chloronaphthalene	64	U	64	60.1	240	ug/Kg
88-74-4	2-Nitroaniline	31	U	31	60.1	240	ug/Kg
131-11-3	Dimethylphthalate	59	U	59	60.1	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	30	U	30	60.1	240	ug/Kg
208-96-8	Acenaphthylene	66	J	61	60.1	240	ug/Kg
99-09-2	3-Nitroaniline	28	U	28	120	470	ug/Kg
83-32-9	Acenaphthene	63	J	58	60.1	240	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	470	ug/Kg
100-02-7	4-Nitrophenol	58	U	58	120	470	ug/Kg
132-64-9	Dibenzofuran	65	U	65	60.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	38	U	38	60.1	240	ug/Kg
84-66-2	Diethylphthalate	85	U	85	60.1	240	ug/Kg
86-73-7	Fluorene	64	U	64	60.1	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66	U	66	60.1	240	ug/Kg
100-01-6	4-Nitroaniline	59	U	59	120	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	470	ug/Kg
86-30-6	N-Nitrosodiphenylamine	59	U	59	60.1	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	72	U	72	60.1	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	60.1	240	ug/Kg
118-74-1	Hexachlorobenzene	71	U	71	60.1	240	ug/Kg
1912-24-9	Atrazine	55	U	55	120	470	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	120	470	ug/Kg
85-01-8	Phenanthrene	830		62	60.1	240	ug/Kg
608-93-5	Pentachlorobenzene	72	U	72	60.1	240	ug/Kg
120-12-7	Anthracene	170	J	61	60.1	240	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	47	U	47	60.1	240	ug/Kg
86-74-8	Carbazole	85	J	64	120	470	ug/Kg
84-74-2	Di-n-butylphthalate	59	U	59	60.1	240	ug/Kg
206-44-0	Fluoranthene	1600		62	120	240	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN6	SDG No.:	BM101124
Lab Sample ID:	P4237-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048017.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1200		62	60.1	240	ug/Kg
85-68-7	Butylbenzylphthalate	45	U	45	60.1	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	33	U	33	120	470	ug/Kg
56-55-3	Benzo(a)anthracene	660		55	60.1	240	ug/Kg
218-01-9	Chrysene	800		64	60.1	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	490		62	60.1	240	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	120	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		59	60.1	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	340		64	60.1	240	ug/Kg
50-32-8	Benzo(a)pyrene	420		59	60.1	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	330		52	60.1	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	J	52	60.1	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	56	J	49	60.1	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52	U	52	60.1	240	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.593		15-120		20	SPK: -8
7291-22-7	Pyridine-d5	1.15	*	20-120		3	SPK: -40
4165-62-2	Phenol-d5	8.117		10-130		20	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.03		10-150		18	SPK: -40
93951-73-6	2-Chlorophenol-d4	9.752		15-120		24	SPK: -40
190780-66-6	4-Methylphenol-d8	6.96		10-140		17	SPK: -40
4165-60-0	Nitrobenzene-d5	9.414		10-135		24	SPK: -40
93951-78-1	2-Nitrophenol-d4	10.354		10-120		26	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	9.685		10-140		24	SPK: -40
191656-33-4	4-Chloroaniline-d4	1.856		1-145		5	SPK: -40
85448-30-2	Dimethylphthalate-d6	9.714		10-145		24	SPK: -40
93951-97-4	Acenaphthylene-d8	9.809		15-120		25	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.893		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	10.505		20-140		26	SPK: -40

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN6	SDG No.:	BM101124
Lab Sample ID:	P4237-14	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	29.5
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
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
BM048017.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.141		10-130		10	SPK: -40
1719-06-8	Anthracene-d10	9.967		10-150		25	SPK: -40
1718-52-1	Pyrene-d10	10.598		10-130		26	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.688		10-140		19	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209851	7.781				
1146-65-2	Naphthalene-d8	843101	10.575				
15067-26-2	Acenaphthene-d10	519518	14.416				
1517-22-2	Phenanthrene-d10	1095711	17.157				
1719-03-5	Chrysene-d12	1004523	21.38				
1520-96-3	Perylene-d12	1188322	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	250	J			15.774	
010030-73-6	(E)-Hexadec-9-enoic acid	110	J			17.992	
000057-10-3	n-Hexadecanoic acid	840	J			18.051	
000203-64-5	4H-Cyclopenta[def]phenanthrene	260	J			18.227	
000779-02-2	Anthracene, 9-methyl-	110	J			18.262	
000084-65-1	9,10-Anthracenedione	120	J			18.568	
005737-13-3	Cyclopenta(def)phenanthrenone	120	J			19.086	
000243-17-4	11H-Benzo[b]fluorene	110	J			20.062	
	(DEL) Alkane: Cyclic	210	J			21.062	
002136-72-3	Ethanol, 2-(octadecyloxy)-	100	J			22.145	
E966796	Total Alkanes	210				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN7	SDG No.:	BM101124
Lab Sample ID:	P4237-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.5
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
BM048018.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.6	97	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	480	ug/Kg
110-86-1	Pyridine	63	U	63	240	480	ug/Kg
108-95-2	Phenol	51	U	51	120	480	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	49	U	49	120	480	ug/Kg
95-57-8	2-Chlorophenol	41	U	41	61.8	250	ug/Kg
95-48-7	2-Methylphenol	44	U	44	120	480	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39	U	39	120	480	ug/Kg
98-86-2	Acetophenone	78	J	55	120	480	ug/Kg
106-44-5	4-Methylphenol	47	U	47	120	480	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	42	U	42	61.8	250	ug/Kg
67-72-1	Hexachloroethane	33	U	33	61.8	250	ug/Kg
98-95-3	Nitrobenzene	52	U	52	61.8	250	ug/Kg
78-59-1	Isophorone	49	U	49	61.8	250	ug/Kg
88-75-5	2-Nitrophenol	47	U	47	61.8	250	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	61.8	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	55	U	55	61.8	250	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	61.8	250	ug/Kg
91-20-3	Naphthalene	49	U	49	61.8	250	ug/Kg
106-47-8	4-Chloroaniline	63	U	63	61.8	480	ug/Kg
87-68-3	Hexachlorobutadiene	49	U	49	61.8	250	ug/Kg
105-60-2	Caprolactam	170	U	170	120	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	61.8	250	ug/Kg
90-12-0	1-Methylnaphthalene	60	U	60	61.8	250	ug/Kg
91-57-6	2-Methylnaphthalene	54	U	54	61.8	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	63	U	63	61.8	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61	U	61	61.8	250	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN7	SDG No.:	BM101124
Lab Sample ID:	P4237-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048018.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	70	U	70	61.8	250	ug/Kg
91-58-7	2-Chloronaphthalene	65	U	65	61.8	250	ug/Kg
88-74-4	2-Nitroaniline	32	U	32	61.8	250	ug/Kg
131-11-3	Dimethylphthalate	61	U	61	61.8	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	61.8	250	ug/Kg
208-96-8	Acenaphthylene	63	J	63	61.8	250	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	120	480	ug/Kg
83-32-9	Acenaphthene	60	U	60	61.8	250	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	480	ug/Kg
100-02-7	4-Nitrophenol	60	U	60	120	480	ug/Kg
132-64-9	Dibenzofuran	67	U	67	61.8	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	39	U	39	61.8	250	ug/Kg
84-66-2	Diethylphthalate	87	U	87	61.8	250	ug/Kg
86-73-7	Fluorene	65	U	65	61.8	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	68	U	68	61.8	250	ug/Kg
100-01-6	4-Nitroaniline	61	U	61	120	480	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	480	ug/Kg
86-30-6	N-Nitrosodiphenylamine	61	U	61	61.8	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	74	U	74	61.8	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	65	U	65	61.8	250	ug/Kg
118-74-1	Hexachlorobenzene	73	U	73	61.8	250	ug/Kg
1912-24-9	Atrazine	57	U	57	120	480	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	480	ug/Kg
85-01-8	Phenanthrene	650		64	61.8	250	ug/Kg
608-93-5	Pentachlorobenzene	74	U	74	61.8	250	ug/Kg
120-12-7	Anthracene	150	J	63	61.8	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	48	U	48	61.8	250	ug/Kg
86-74-8	Carbazole	75	J	65	120	480	ug/Kg
84-74-2	Di-n-butylphthalate	61	U	61	61.8	250	ug/Kg
206-44-0	Fluoranthene	1300		64	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN7	SDG No.:	BM101124
Lab Sample ID:	P4237-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048018.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	840		64	61.8	250	ug/Kg
85-68-7	Butylbenzylphthalate	47	U	47	61.8	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	33	U	33	120	480	ug/Kg
56-55-3	Benzo(a)anthracene	550		57	61.8	250	ug/Kg
218-01-9	Chrysene	570		65	61.8	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	350		64	61.8	250	ug/Kg
117-84-0	Di-n-octyl phthalate	49	U	49	120	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	730		61	61.8	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	270		65	61.8	250	ug/Kg
50-32-8	Benzo(a)pyrene	310		61	61.8	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	230	J	54	61.8	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	J	54	61.8	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	U	51	61.8	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	54	61.8	250	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.874		15-120		23	SPK: -8
7291-22-7	Pyridine-d5	0.601	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	10.089		10-130		25	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	8.659		10-150		22	SPK: -40
93951-73-6	2-Chlorophenol-d4	11.814		15-120		30	SPK: -40
190780-66-6	4-Methylphenol-d8	9.235		10-140		23	SPK: -40
4165-60-0	Nitrobenzene-d5	11.696		10-135		29	SPK: -40
93951-78-1	2-Nitrophenol-d4	13.047		10-120		33	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	11.739		10-140		29	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.725		1-145		7	SPK: -40
85448-30-2	Dimethylphthalate-d6	11.731		10-145		29	SPK: -40
93951-97-4	Acenaphthylene-d8	12.131		15-120		30	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.585		10-150		16	SPK: -40
81103-79-9	Fluorene-d10	12.96		20-140		32	SPK: -40

Report of Analysis

Client:		Date Collected:	9/27/2024 12:00:00 AM
Project:		Date Received:	9/27/2024 12:00:00 AM
Client Sample ID:	A4EN7	SDG No.:	BM101124
Lab Sample ID:	P4237-15	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	31.5
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048018.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	4.487		10-130		11	SPK: -40
1719-06-8	Anthracene-d10	12.376		10-150		31	SPK: -40
1718-52-1	Pyrene-d10	12.869		10-130		32	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	9.079		10-140		23	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	215283	7.781				
1146-65-2	Naphthalene-d8	865888	10.574				
15067-26-2	Acenaphthene-d10	531265	14.415				
1517-22-2	Phenanthrene-d10	1136848	17.156				
1719-03-5	Chrysene-d12	1037877	21.386				
1520-96-3	Perylene-d12	1229868	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	340	J			15.774	
007012-37-5	1,1-Biphenyl, 2,4,4-trichloro-	170	J			17.756	
000057-10-3	n-Hexadecanoic acid	420	J			18.05	
000203-64-5	4H-Cyclopenta[def]phenanthrene	310	J			18.227	
000084-65-1	9,10-Anthracenedione	100	J			18.568	
073575-53-8	2,3,4,5-Tetrachloro-1,1-biphenyl	170	J			19.086	
1000309-03-0	Phthalic acid, butyl 4-chlorobenzy	100	J			20.468	
000123-79-5	Hexanedioic acid, dioctyl ester	530	J			20.538	
	(DEL) Alkane: Cyclic	140	J			21.062	
E966796	Total Alkanes	140				99	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F24	SDG No.:	BM101124
Lab Sample ID:	P4237-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.9
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
BM048019.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	26	U	26	13.4	140	ug/Kg
100-52-7	Benzaldehyde	150	U	150	170	670	ug/Kg
110-86-1	Pyridine	88	U	88	340	670	ug/Kg
108-95-2	Phenol	71	U	71	170	670	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	69	U	69	170	670	ug/Kg
95-57-8	2-Chlorophenol	57	U	57	86.6	350	ug/Kg
95-48-7	2-Methylphenol	61	U	61	170	670	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	55	U	55	170	670	ug/Kg
98-86-2	Acetophenone	93	J	77	170	670	ug/Kg
106-44-5	4-Methylphenol	65	U	65	170	670	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	59	U	59	86.6	350	ug/Kg
67-72-1	Hexachloroethane	47	U	47	86.6	350	ug/Kg
98-95-3	Nitrobenzene	73	U	73	86.6	350	ug/Kg
78-59-1	Isophorone	69	U	69	86.6	350	ug/Kg
88-75-5	2-Nitrophenol	65	U	65	86.6	350	ug/Kg
105-67-9	2,4-Dimethylphenol	57	U	57	86.6	350	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	77	U	77	86.6	350	ug/Kg
120-83-2	2,4-Dichlorophenol	79	U	79	86.6	350	ug/Kg
91-20-3	Naphthalene	69	U	69	86.6	350	ug/Kg
106-47-8	4-Chloroaniline	88	U	88	86.6	670	ug/Kg
87-68-3	Hexachlorobutadiene	69	U	69	86.6	350	ug/Kg
105-60-2	Caprolactam	240	U	240	170	670	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57	U	57	86.6	350	ug/Kg
90-12-0	1-Methylnaphthalene	84	U	84	86.6	350	ug/Kg
91-57-6	2-Methylnaphthalene	75	U	75	86.6	350	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	170	670	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88	U	88	86.6	350	ug/Kg
95-95-4	2,4,5-Trichlorophenol	86	U	86	86.6	350	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F24	SDG No.:	BM101124
Lab Sample ID:	P4237-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.9
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048019.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	98	U	98	86.6	350	ug/Kg
91-58-7	2-Chloronaphthalene	92	U	92	86.6	350	ug/Kg
88-74-4	2-Nitroaniline	45	U	45	86.6	350	ug/Kg
131-11-3	Dimethylphthalate	86	U	86	86.6	350	ug/Kg
606-20-2	2,6-Dinitrotoluene	43	U	43	86.6	350	ug/Kg
208-96-8	Acenaphthylene	88	U	88	86.6	350	ug/Kg
99-09-2	3-Nitroaniline	41	U	41	170	670	ug/Kg
83-32-9	Acenaphthene	84	U	84	86.6	350	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	170	670	ug/Kg
100-02-7	4-Nitrophenol	84	U	84	170	670	ug/Kg
132-64-9	Dibenzofuran	94	U	94	86.6	350	ug/Kg
121-14-2	2,4-Dinitrotoluene	55	U	55	86.6	350	ug/Kg
84-66-2	Diethylphthalate	120	U	120	86.6	350	ug/Kg
86-73-7	Fluorene	92	U	92	86.6	350	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	96	U	96	86.6	350	ug/Kg
100-01-6	4-Nitroaniline	86	U	86	170	670	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	33	U	33	170	670	ug/Kg
86-30-6	N-Nitrosodiphenylamine	86	U	86	86.6	350	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	86.6	350	ug/Kg
101-55-3	4-Bromophenyl-phenylether	92	U	92	86.6	350	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	86.6	350	ug/Kg
1912-24-9	Atrazine	79	U	79	170	670	ug/Kg
87-86-5	Pentachlorophenol	180	U	180	170	670	ug/Kg
85-01-8	Phenanthrene	340	J	90	86.6	350	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	86.6	350	ug/Kg
120-12-7	Anthracene	88	U	88	86.6	350	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	67	U	67	86.6	350	ug/Kg
86-74-8	Carbazole	92	U	92	170	670	ug/Kg
84-74-2	Di-n-butylphthalate	86	U	86	86.6	350	ug/Kg
206-44-0	Fluoranthene	790		90	170	350	ug/Kg

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F24	SDG No.:	BM101124
Lab Sample ID:	P4237-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.9
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048019.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	570		90	86.6	350	ug/Kg
85-68-7	Butylbenzylphthalate	65	U	65	86.6	350	ug/Kg
91-94-1	3,3-Dichlorobenzidine	47	U	47	170	670	ug/Kg
56-55-3	Benzo(a)anthracene	330	J	79	86.6	350	ug/Kg
218-01-9	Chrysene	410		92	86.6	350	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	230	J	90	86.6	350	ug/Kg
117-84-0	Di-n-octyl phthalate	69	U	69	170	670	ug/Kg
205-99-2	Benzo(b)fluoranthene	560		86	86.6	350	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	92	86.6	350	ug/Kg
50-32-8	Benzo(a)pyrene	240	J	86	86.6	350	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	75	86.6	350	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	75	U	75	86.6	350	ug/Kg
191-24-2	Benzo(g,h,i)perylene	71	U	71	86.6	350	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	75	U	75	86.6	350	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.429		15-120		18	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	6.757		10-130		17	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	6.34		10-150		16	SPK: -40
93951-73-6	2-Chlorophenol-d4	8.645		15-120		22	SPK: -40
190780-66-6	4-Methylphenol-d8	5.728		10-140		14	SPK: -40
4165-60-0	Nitrobenzene-d5	8.577		10-135		21	SPK: -40
93951-78-1	2-Nitrophenol-d4	9.058		10-120		23	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	8.234		10-140		21	SPK: -40
191656-33-4	4-Chloroaniline-d4	2.277		1-145		6	SPK: -40
85448-30-2	Dimethylphthalate-d6	8.667		10-145		22	SPK: -40
93951-97-4	Acenaphthylene-d8	9.009		15-120		23	SPK: -40
93951-79-2	4-Nitrophenol-d4	2.702	*	10-150		7	SPK: -40
81103-79-9	Fluorene-d10	9.485		20-140		24	SPK: -40

Report of Analysis

Client:		Date Collected:	9/26/2024 12:00:00 AM
Project:		Date Received:	9/26/2024 12:00:00 AM
Client Sample ID:	A4F24	SDG No.:	BM101124
Lab Sample ID:	P4237-10	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	50.9
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048019.D	1	10/1/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163830

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	2.193	*	10-130		5	SPK: -40
1719-06-8	Anthracene-d10	8.769		10-150		22	SPK: -40
1718-52-1	Pyrene-d10	9.457		10-130		24	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.202		10-140		18	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	226141	7.781				
1146-65-2	Naphthalene-d8	899923	10.575				
15067-26-2	Acenaphthene-d10	555400	14.416				
1517-22-2	Phenanthrene-d10	1178203	17.157				
1719-03-5	Chrysene-d12	1115308	21.38				
1520-96-3	Perylene-d12	1302288	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	320	J			15.774	
000057-10-3	n-Hexadecanoic acid	240	J			18.051	
	unknown-01	160	J			18.757	
002490-48-4	1-Hexadecanol, 2-methyl-	170	J			21.062	
	(DEL) Alkane: Straight-Chain22.139	210	J			22.139	
E966796	Total Alkanes	210				99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET5	SDG No.:	BM101124
Lab Sample ID:	P4239-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048020.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8	80	ug/Kg
100-52-7	Benzaldehyde	90	U	90	99.5	400	ug/Kg
110-86-1	Pyridine	52	U	52	200	400	ug/Kg
108-95-2	Phenol	42	U	42	99.5	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	41	U	41	99.5	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.3	210	ug/Kg
95-48-7	2-Methylphenol	36	U	36	99.5	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	33	U	33	99.5	400	ug/Kg
98-86-2	Acetophenone	46	U	46	99.5	400	ug/Kg
106-44-5	4-Methylphenol	39	U	39	99.5	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51.3	210	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51.3	210	ug/Kg
98-95-3	Nitrobenzene	43	U	43	51.3	210	ug/Kg
78-59-1	Isophorone	41	U	41	51.3	210	ug/Kg
88-75-5	2-Nitrophenol	39	U	39	51.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51.3	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	51.3	210	ug/Kg
91-20-3	Naphthalene	41	U	41	51.3	210	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	51.3	400	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	51.3	210	ug/Kg
105-60-2	Caprolactam	140	U	140	99.5	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51.3	210	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	51.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	45	U	45	51.3	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	95	U	95	99.5	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	51.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	51	51.3	210	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET5	SDG No.:	BM101124
Lab Sample ID:	P4239-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048020.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	58	U	58	51.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	51.3	210	ug/Kg
88-74-4	2-Nitroaniline	27	U	27	51.3	210	ug/Kg
131-11-3	Dimethylphthalate	51	U	51	51.3	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	51.3	210	ug/Kg
208-96-8	Acenaphthylene	52	U	52	51.3	210	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	99.5	400	ug/Kg
83-32-9	Acenaphthene	49	U	49	51.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	99.5	400	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	99.5	400	ug/Kg
132-64-9	Dibenzofuran	56	U	56	51.3	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	33	U	33	51.3	210	ug/Kg
84-66-2	Diethylphthalate	72	U	72	51.3	210	ug/Kg
86-73-7	Fluorene	54	U	54	51.3	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	51.3	210	ug/Kg
100-01-6	4-Nitroaniline	51	U	51	99.5	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	99.5	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	51	U	51	51.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	51.3	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	51.3	210	ug/Kg
118-74-1	Hexachlorobenzene	60	U	60	51.3	210	ug/Kg
1912-24-9	Atrazine	47	U	47	99.5	400	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	99.5	400	ug/Kg
85-01-8	Phenanthrene	53	U	53	51.3	210	ug/Kg
608-93-5	Pentachlorobenzene	62	U	62	51.3	210	ug/Kg
120-12-7	Anthracene	52	U	52	51.3	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51.3	210	ug/Kg
86-74-8	Carbazole	54	U	54	99.5	400	ug/Kg
84-74-2	Di-n-butylphthalate	51	U	51	51.3	210	ug/Kg
206-44-0	Fluoranthene	53	U	53	99.5	210	ug/Kg

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET5	SDG No.:	BM101124
Lab Sample ID:	P4239-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048020.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	53	U	53	51.3	210	ug/Kg
85-68-7	Butylbenzylphthalate	39	U	39	51.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	99.5	400	ug/Kg
56-55-3	Benzo(a)anthracene	47	U	47	51.3	210	ug/Kg
218-01-9	Chrysene	54	U	54	51.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63	J	53	51.3	210	ug/Kg
117-84-0	Di-n-octyl phthalate	41	U	41	99.5	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	U	51	51.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	54	U	54	51.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	51.3	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45	U	45	51.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45	U	45	51.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	42	U	42	51.3	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	51.3	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.194		15-120		15	SPK: -8
7291-22-7	Pyridine-d5	0.877	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	6.345		10-130		16	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	5.446		10-150		14	SPK: -40
93951-73-6	2-Chlorophenol-d4	7.663		15-120		19	SPK: -40
190780-66-6	4-Methylphenol-d8	5.723		10-140		14	SPK: -40
4165-60-0	Nitrobenzene-d5	7.108		10-135		18	SPK: -40
93951-78-1	2-Nitrophenol-d4	8.084		10-120		20	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	7.2		10-140		18	SPK: -40
191656-33-4	4-Chloroaniline-d4	4.714		1-145		12	SPK: -40
85448-30-2	Dimethylphthalate-d6	7.55		10-145		19	SPK: -40
93951-97-4	Acenaphthylene-d8	7.394		15-120		18	SPK: -40
93951-79-2	4-Nitrophenol-d4	3.439	*	10-150		9	SPK: -40
81103-79-9	Fluorene-d10	7.965		20-140		20	SPK: -40

Report of Analysis

Client:		Date Collected:	10/1/2024 12:00:00 AM
Project:		Date Received:	10/1/2024 12:00:00 AM
Client Sample ID:	A4ET5	SDG No.:	BM101124
Lab Sample ID:	P4239-11	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048020.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	1.963	*	10-130		5	SPK: -40
1719-06-8	Anthracene-d10	7.967		10-150		20	SPK: -40
1718-52-1	Pyrene-d10	7.841		10-130		20	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	5.89		10-140		15	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	239405	7.781				
1146-65-2	Naphthalene-d8	958511	10.575				
15067-26-2	Acenaphthene-d10	595059	14.416				
1517-22-2	Phenanthrene-d10	1222577	17.157				
1719-03-5	Chrysene-d12	1202129	21.38				
1520-96-3	Perylene-d12	1416426	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	93	J			15.775	
000057-10-3	n-Hexadecanoic acid	88	J			18.051	
E966796	Total Alkanes	58	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP8	SDG No.:	BM101124
Lab Sample ID:	P4239-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	30.1
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
BM048021.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.4	95	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	470	ug/Kg
110-86-1	Pyridine	61	U	61	240	470	ug/Kg
108-95-2	Phenol	50	U	50	120	470	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	48	U	48	120	470	ug/Kg
95-57-8	2-Chlorophenol	40	U	40	60.6	240	ug/Kg
95-48-7	2-Methylphenol	43	U	43	120	470	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38	U	38	120	470	ug/Kg
98-86-2	Acetophenone	54	U	54	120	470	ug/Kg
106-44-5	4-Methylphenol	46	U	46	120	470	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	41	U	41	60.6	240	ug/Kg
67-72-1	Hexachloroethane	33	U	33	60.6	240	ug/Kg
98-95-3	Nitrobenzene	51	U	51	60.6	240	ug/Kg
78-59-1	Isophorone	48	U	48	60.6	240	ug/Kg
88-75-5	2-Nitrophenol	46	U	46	60.6	240	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	60.6	240	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	60.6	240	ug/Kg
120-83-2	2,4-Dichlorophenol	56	U	56	60.6	240	ug/Kg
91-20-3	Naphthalene	48	U	48	60.6	240	ug/Kg
106-47-8	4-Chloroaniline	61	U	61	60.6	470	ug/Kg
87-68-3	Hexachlorobutadiene	48	U	48	60.6	240	ug/Kg
105-60-2	Caprolactam	170	U	170	120	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	40	U	40	60.6	240	ug/Kg
90-12-0	1-Methylnaphthalene	58	U	58	60.6	240	ug/Kg
91-57-6	2-Methylnaphthalene	53	U	53	60.6	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	120	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	61	U	61	60.6	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60	U	60	60.6	240	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP8	SDG No.:	BM101124
Lab Sample ID:	P4239-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	30.1
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
BM048021.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	68	U	68	60.6	240	ug/Kg
91-58-7	2-Chloronaphthalene	64	U	64	60.6	240	ug/Kg
88-74-4	2-Nitroaniline	31	U	31	60.6	240	ug/Kg
131-11-3	Dimethylphthalate	60	U	60	60.6	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	30	U	30	60.6	240	ug/Kg
208-96-8	Acenaphthylene	61	U	61	60.6	240	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	120	470	ug/Kg
83-32-9	Acenaphthene	58	U	58	60.6	240	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	120	470	ug/Kg
100-02-7	4-Nitrophenol	58	U	58	120	470	ug/Kg
132-64-9	Dibenzofuran	66	U	66	60.6	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	38	U	38	60.6	240	ug/Kg
84-66-2	Diethylphthalate	86	U	86	60.6	240	ug/Kg
86-73-7	Fluorene	64	U	64	60.6	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	67	U	67	60.6	240	ug/Kg
100-01-6	4-Nitroaniline	60	U	60	120	470	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	470	ug/Kg
86-30-6	N-Nitrosodiphenylamine	60	U	60	60.6	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	73	U	73	60.6	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64	U	64	60.6	240	ug/Kg
118-74-1	Hexachlorobenzene	71	U	71	60.6	240	ug/Kg
1912-24-9	Atrazine	56	U	56	120	470	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	120	470	ug/Kg
85-01-8	Phenanthrene	94	J	63	60.6	240	ug/Kg
608-93-5	Pentachlorobenzene	73	U	73	60.6	240	ug/Kg
120-12-7	Anthracene	61	U	61	60.6	240	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	47	U	47	60.6	240	ug/Kg
86-74-8	Carbazole	64	U	64	120	470	ug/Kg
84-74-2	Di-n-butylphthalate	60	U	60	60.6	240	ug/Kg
206-44-0	Fluoranthene	200	J	63	120	240	ug/Kg

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP8	SDG No.:	BM101124
Lab Sample ID:	P4239-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	30.1
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
BM048021.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	140	J	63	60.6	240	ug/Kg
85-68-7	Butylbenzylphthalate	46	U	46	60.6	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	33	U	33	120	470	ug/Kg
56-55-3	Benzo(a)anthracene	82	J	56	60.6	240	ug/Kg
218-01-9	Chrysene	95	J	64	60.6	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63	U	63	60.6	240	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	120	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	60	60.6	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	64	U	64	60.6	240	ug/Kg
50-32-8	Benzo(a)pyrene	60	U	60	60.6	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53	U	53	60.6	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	53	U	53	60.6	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50	U	50	60.6	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	53	60.6	240	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.518		15-120		19	SPK: -8
7291-22-7	Pyridine-d5	0.913	*	20-120		2	SPK: -40
4165-62-2	Phenol-d5	7.795		10-130		19	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	7.086		10-150		18	SPK: -40
93951-73-6	2-Chlorophenol-d4	9.816		15-120		25	SPK: -40
190780-66-6	4-Methylphenol-d8	7.289		10-140		18	SPK: -40
4165-60-0	Nitrobenzene-d5	9.412		10-135		24	SPK: -40
93951-78-1	2-Nitrophenol-d4	10.716		10-120		27	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	9.418		10-140		24	SPK: -40
191656-33-4	4-Chloroaniline-d4	5.641		1-145		14	SPK: -40
85448-30-2	Dimethylphthalate-d6	10.055		10-145		25	SPK: -40
93951-97-4	Acenaphthylene-d8	9.974		15-120		25	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.273		10-150		13	SPK: -40
81103-79-9	Fluorene-d10	10.771		20-140		27	SPK: -40

Report of Analysis

Client:		Date Collected:	10/2/2024 12:00:00 AM
Project:		Date Received:	10/2/2024 12:00:00 AM
Client Sample ID:	A4EP8	SDG No.:	BM101124
Lab Sample ID:	P4239-19	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	30.1
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM048021.D	1	10/3/2024 12:00:00 AM	10/11/2024 12:00:00 AM	PB163884

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	3.313	*	10-130		8	SPK: -40
1719-06-8	Anthracene-d10	10.448		10-150		26	SPK: -40
1718-52-1	Pyrene-d10	10.091		10-130		25	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	7.809		10-140		20	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	219813	7.781				
1146-65-2	Naphthalene-d8	877085	10.575				
15067-26-2	Acenaphthene-d10	537194	14.416				
1517-22-2	Phenanthrene-d10	1127487	17.157				
1719-03-5	Chrysene-d12	1129180	21.38				
1520-96-3	Perylene-d12	1309886	24.368				
TENTATIVE IDENTIFIED COMPOUNDS							
002597-49-1	Cyclobutane, ethenyl-	9000	J			3.046	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	120	A			4.904	
000930-68-7	2-Cyclohexen-1-one	590	J			6.41	
001561-86-0	2-Chlorocyclohexanol	360	J			8.098	
000119-61-9	Benzophenone	130	J			15.774	
000057-10-3	n-Hexadecanoic acid	210	J			18.051	
	(DEL) Alkane: Straight-Chain	21.062	J			21.062	
E966796	Total Alkanes	100				99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4F09								
P4237-04	A4F09	Solid	(DEL) Alkane: Cyclic21.062	*	430.000	J		
P4237-04	A4F09	Solid	(DEL) Alkane: Straight-Chain22.1	*	510.000	J		
P4237-04	A4F09	Solid	(DEL) Alkane: Straight-Chain25.4	*	1,500.000	J		
P4237-04	A4F09	Solid	(DEL) Alkane: Straight-Chain25.5	*	1,000.000	J		
P4237-04	A4F09	Solid	1-Docosanol, methyl ether	*	830.000	J		
P4237-04	A4F09	Solid	4H-Cyclopenta[def]phenanthrene	*	220.000	J		
P4237-04	A4F09	Solid	9,10-Anthracenedione	*	150.000	J		
P4237-04	A4F09	Solid	Benzophenone	*	500.000	J		
P4237-04	A4F09	Solid	n-Hexadecanoic acid	*	770.000	J		
P4237-04	A4F09	Solid	Pentacosanal	*	1,100.000	J		
P4237-04	A4F09	Solid	Tetradecanal	*	610.000	J		
P4237-04	A4F09	Solid	unknown-01	*	170.000	J		
P4237-04	A4F09	Solid	Total Alkanes	*	3,400.000		96	340 ug/Kg
Total Tics :					11,190.00			
P4237-04	A4F09	Solid	Acetophenone		110.000	J	76	660 ug/Kg
P4237-04	A4F09	Solid	Anthracene		120.000	J	86	340 ug/Kg
P4237-04	A4F09	Solid	Benzo(a)anthracene		690.000		78	340 ug/Kg
P4237-04	A4F09	Solid	Benzo(a)pyrene		460.000		84	340 ug/Kg
P4237-04	A4F09	Solid	Benzo(b)fluoranthene		1,300.000		84	340 ug/Kg
P4237-04	A4F09	Solid	Benzo(g,h,i)perylene		75.000	J	70	340 ug/Kg
P4237-04	A4F09	Solid	Benzo(k)fluoranthene		370.000		90	340 ug/Kg
P4237-04	A4F09	Solid	Bis(2-ethylhexyl)phthalate		410.000		88	340 ug/Kg
P4237-04	A4F09	Solid	Chrysene		920.000		90	340 ug/Kg
P4237-04	A4F09	Solid	Dibenzo(a,h)anthracene		160.000	J	74	340 ug/Kg
P4237-04	A4F09	Solid	Fluoranthene		1,600.000		88	340 ug/Kg
P4237-04	A4F09	Solid	Indeno(1,2,3-cd)pyrene		410.000		74	340 ug/Kg
P4237-04	A4F09	Solid	Phenanthrene		620.000		88	340 ug/Kg
P4237-04	A4F09	Solid	Pyrene		1,100.000		88	340 ug/Kg
Total Svoc :					8,345.00			
Total Concentration:					19,535.00			
Client ID : A4F21								
P4237-07	A4F21	Solid	(DEL) Alkane: Cyclic21.057	*	370.000	J		
P4237-07	A4F21	Solid	(DEL) Alkane: Straight-Chain22.1	*	250.000	J		
P4237-07	A4F21	Solid	(DEL) Alkane: Straight-Chain23.5	*	1,100.000	J		
P4237-07	A4F21	Solid	(E)-Hexadec-9-enoic acid	*	120.000	J		
P4237-07	A4F21	Solid	1H-Cyclopropa[l]phenanthrene,1a	*	160.000	J		
P4237-07	A4F21	Solid	2-Cyclohexen-1-one, 3-methyl-	*	380.000	J		

Hit Summary Sheet SW-846

SDG No.: BM101124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4237-07	A4F21	Solid	2H-Pyran, tetrahydro-2-methyl-	*	170.000	J		
P4237-07	A4F21	Solid	4H-Cyclopenta[def]phenanthrene	*	420.000	J		
P4237-07	A4F21	Solid	9,10-Anthracenedione	*	320.000	J		
P4237-07	A4F21	Solid	Benzeneethanol, 4-hydroxy-	*	240.000	J		
P4237-07	A4F21	Solid	Benzophenone	*	710.000	J		
P4237-07	A4F21	Solid	Cyclopenta(def)phenanthrenone	*	250.000	J		
P4237-07	A4F21	Solid	n-Hexadecanoic acid	*	1,700.000	J		
P4237-07	A4F21	Solid	Naphthalene, 2-phenyl-	*	150.000	J		
P4237-07	A4F21	Solid	Octadecanoic acid	*	130.000	J		
P4237-07	A4F21	Solid	Pentadecanoic acid	*	120.000	J		
P4237-07	A4F21	Solid	Phenanthrene, 2,5-dimethyl-	*	160.000	J		
P4237-07	A4F21	Solid	unknown-01	*	140.000	J		
P4237-07	A4F21	Solid	Total Alkanes	*	1,700.000	77	270	ug/Kg
Total Tics :				8,590.00				
P4237-07	A4F21	Solid	Acenaphthene		67.000	J	66	270 ug/Kg
P4237-07	A4F21	Solid	Acenaphthylene		180.000	J	69	270 ug/Kg
P4237-07	A4F21	Solid	Acetophenone		170.000	J	61	530 ug/Kg
P4237-07	A4F21	Solid	Anthracene		260.000	J	69	270 ug/Kg
P4237-07	A4F21	Solid	Benzo(a)anthracene		1,400.000		63	270 ug/Kg
P4237-07	A4F21	Solid	Benzo(a)pyrene		1,000.000		68	270 ug/Kg
P4237-07	A4F21	Solid	Benzo(b)fluoranthene		2,600.000		68	270 ug/Kg
P4237-07	A4F21	Solid	Benzo(g,h,i)perylene		160.000	J	56	270 ug/Kg
P4237-07	A4F21	Solid	Benzo(k)fluoranthene		840.000		73	270 ug/Kg
P4237-07	A4F21	Solid	Bis(2-ethylhexyl)phthalate		990.000		71	270 ug/Kg
P4237-07	A4F21	Solid	Carbazole		180.000	J	73	530 ug/Kg
P4237-07	A4F21	Solid	Chrysene		1,800.000		73	270 ug/Kg
P4237-07	A4F21	Solid	Dibenzo(a,h)anthracene		330.000		60	270 ug/Kg
P4237-07	A4F21	Solid	Fluoranthene		3,400.000		71	270 ug/Kg
P4237-07	A4F21	Solid	Fluorene		73.000	J	73	270 ug/Kg
P4237-07	A4F21	Solid	Indeno(1,2,3-cd)pyrene		870.000		60	270 ug/Kg
P4237-07	A4F21	Solid	Phenanthrene		1,200.000		71	270 ug/Kg
P4237-07	A4F21	Solid	Phenol		110.000	J	56	530 ug/Kg
P4237-07	A4F21	Solid	Pyrene		2,400.000		71	270 ug/Kg
Total Svoc :				18,030.00				
Total Concentration:				26,620.00				
Client ID : A4F24								
P4237-10	A4F24	Solid	(DEL) Alkane: Straight-Chain22.1	*	210.000	J		
P4237-10	A4F24	Solid	1-Hexadecanol, 2-methyl-	*	170.000	J		
P4237-10	A4F24	Solid	Benzophenone	*	320.000	J		
P4237-10	A4F24	Solid	n-Hexadecanoic acid	*	240.000	J		

Hit Summary Sheet SW-846

SDG No.: BM101124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4237-10	A4F24	Solid	unknown-01	*	160.000	J		
P4237-10	A4F24	Solid	Total Alkanes	*	210.000	98	350	ug/Kg
Total Tics :				1,310.00				
P4237-10	A4F24	Solid	Acetophenone		93.000	J 77	670	ug/Kg
P4237-10	A4F24	Solid	Benzo(a)anthracene		330.000	J 79	350	ug/Kg
P4237-10	A4F24	Solid	Benzo(a)pyrene		240.000	J 86	350	ug/Kg
P4237-10	A4F24	Solid	Benzo(b)fluoranthene		560.000	86	350	ug/Kg
P4237-10	A4F24	Solid	Benzo(k)fluoranthene		180.000	J 92	350	ug/Kg
P4237-10	A4F24	Solid	Bis(2-ethylhexyl)phthalate		230.000	J 90	350	ug/Kg
P4237-10	A4F24	Solid	Chrysene		410.000	92	350	ug/Kg
P4237-10	A4F24	Solid	Fluoranthene		790.000	90	350	ug/Kg
P4237-10	A4F24	Solid	Indeno(1,2,3-cd)pyrene		180.000	J 75	350	ug/Kg
P4237-10	A4F24	Solid	Phenanthrene		340.000	J 90	350	ug/Kg
P4237-10	A4F24	Solid	Pyrene		570.000	90	350	ug/Kg
Total Svoc :				3,923.00				
Total Concentration:				5,233.00				
Client ID : A4EN6								
P4237-14	A4EN6	Solid	(DEL) Alkane: Cyclic21.062	*	210.000	J		
P4237-14	A4EN6	Solid	(E)-Hexadec-9-enoic acid	*	110.000	J		
P4237-14	A4EN6	Solid	11H-Benzo[b]fluorene	*	110.000	J		
P4237-14	A4EN6	Solid	4H-Cyclopenta[def]phenanthrene	*	260.000	J		
P4237-14	A4EN6	Solid	9,10-Anthracenedione	*	120.000	J		
P4237-14	A4EN6	Solid	Anthracene, 9-methyl-	*	110.000	J		
P4237-14	A4EN6	Solid	Benzophenone	*	250.000	J		
P4237-14	A4EN6	Solid	Cyclopenta(def)phenanthrenone	*	120.000	J		
P4237-14	A4EN6	Solid	Ethanol, 2-(octadecyloxy)-	*	100.000	J		
P4237-14	A4EN6	Solid	n-Hexadecanoic acid	*	840.000	J		
P4237-14	A4EN6	Solid	Total Alkanes	*	210.000	68	240	ug/Kg
Total Tics :				2,440.00				
P4237-14	A4EN6	Solid	Acenaphthene		63.000	J 58	240	ug/Kg
P4237-14	A4EN6	Solid	Acenaphthylene		66.000	J 61	240	ug/Kg
P4237-14	A4EN6	Solid	Acetophenone		100.000	J 54	470	ug/Kg
P4237-14	A4EN6	Solid	Anthracene		170.000	J 61	240	ug/Kg
P4237-14	A4EN6	Solid	Benzo(a)anthracene		660.000	55	240	ug/Kg
P4237-14	A4EN6	Solid	Benzo(a)pyrene		420.000	59	240	ug/Kg
P4237-14	A4EN6	Solid	Benzo(b)fluoranthene		1,000.000	59	240	ug/Kg
P4237-14	A4EN6	Solid	Benzo(g,h,i)perylene		56.000	J 49	240	ug/Kg
P4237-14	A4EN6	Solid	Benzo(k)fluoranthene		340.000	64	240	ug/Kg
P4237-14	A4EN6	Solid	Bis(2-ethylhexyl)phthalate		490.000	62	240	ug/Kg
P4237-14	A4EN6	Solid	Carbazole		85.000	J 64	470	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM101124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4237-14	A4EN6	Solid	Chrysene	800.000		64	240	ug/Kg
P4237-14	A4EN6	Solid	Dibenzo(a,h)anthracene	130.000	J	52	240	ug/Kg
P4237-14	A4EN6	Solid	Fluoranthene	1,600.000		62	240	ug/Kg
P4237-14	A4EN6	Solid	Indeno(1,2,3-cd)pyrene	330.000		52	240	ug/Kg
P4237-14	A4EN6	Solid	Phenanthrene	830.000		62	240	ug/Kg
P4237-14	A4EN6	Solid	Pyrene	1,200.000		62	240	ug/Kg
Total Svoc :				8,340.00				
Total Concentration:				10,780.00				

Client ID : A4EN7

P4237-15	A4EN7	Solid	(DEL) Alkane: Cyclic21.062	*	140.000	J		
P4237-15	A4EN7	Solid	1,1-Biphenyl, 2,4,4-trichloro-	*	170.000	J		
P4237-15	A4EN7	Solid	2,3,4,5-Tetrachloro-1,1-biphenyl	*	170.000	J		
P4237-15	A4EN7	Solid	4H-Cyclopenta[def]phenanthrene	*	310.000	J		
P4237-15	A4EN7	Solid	9,10-Anthracenedione	*	100.000	J		
P4237-15	A4EN7	Solid	Benzophenone	*	340.000	J		
P4237-15	A4EN7	Solid	Hexanedioic acid, dioctyl ester	*	530.000	J		
P4237-15	A4EN7	Solid	n-Hexadecanoic acid	*	420.000	J		
P4237-15	A4EN7	Solid	Phthalic acid, butyl 4-chlorobenzy	*	100.000	J		
P4237-15	A4EN7	Solid	Total Alkanes	*	140.000		70	250 ug/Kg

Total Tics : 2,420.00

P4237-15	A4EN7	Solid	Acenaphthylene		63.000	J	63	250 ug/Kg
P4237-15	A4EN7	Solid	Acetophenone		78.000	J	55	480 ug/Kg
P4237-15	A4EN7	Solid	Anthracene		150.000	J	63	250 ug/Kg
P4237-15	A4EN7	Solid	Benzo(a)anthracene		550.000		57	250 ug/Kg
P4237-15	A4EN7	Solid	Benzo(a)pyrene		310.000		61	250 ug/Kg
P4237-15	A4EN7	Solid	Benzo(b)fluoranthene		730.000		61	250 ug/Kg
P4237-15	A4EN7	Solid	Benzo(k)fluoranthene		270.000		65	250 ug/Kg
P4237-15	A4EN7	Solid	Bis(2-ethylhexyl)phthalate		350.000		64	250 ug/Kg
P4237-15	A4EN7	Solid	Carbazole		75.000	J	65	480 ug/Kg
P4237-15	A4EN7	Solid	Chrysene		570.000		65	250 ug/Kg
P4237-15	A4EN7	Solid	Dibenzo(a,h)anthracene		100.000	J	54	250 ug/Kg
P4237-15	A4EN7	Solid	Fluoranthene		1,300.000		64	250 ug/Kg
P4237-15	A4EN7	Solid	Indeno(1,2,3-cd)pyrene		230.000	J	54	250 ug/Kg
P4237-15	A4EN7	Solid	Phenanthrene		650.000		64	250 ug/Kg
P4237-15	A4EN7	Solid	Pyrene		840.000		64	250 ug/Kg

Total Svoc : 6,266.00

Total Concentration: 8,686.00

Client ID : A4ET5

P4239-11	A4ET5	Solid	Benzophenone	*	93.000	J		
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Hit Summary Sheet
SW-846

SDG No.: BM101124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4239-11	A4ET5	Solid	n-Hexadecanoic acid	*	88.000	J		
P4239-11	A4ET5	Solid	Total Alkanes	*	0.000	58	210	ug/Kg
			Total Tics :		181.00			
P4239-11	A4ET5	Solid	Bis(2-ethylhexyl)phthalate		63.000	J 53	210	ug/Kg
			Total Svoc :		63.00			
			Total Concentration:		244.00			
Client ID : A4EP8								
P4239-19	A4EP8	Solid	(DEL) Alkane: Straight-Chain21.(	*	100.000	J		
P4239-19	A4EP8	Solid	2-Chlorocyclohexanol	*	360.000	J		
P4239-19	A4EP8	Solid	2-Cyclohexen-1-one	*	590.000	J		
P4239-19	A4EP8	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	120.000	A		
P4239-19	A4EP8	Solid	Benzophenone	*	130.000	J		
P4239-19	A4EP8	Solid	Cyclobutane, ethenyl-	*	9,000.000	J		
P4239-19	A4EP8	Solid	n-Hexadecanoic acid	*	210.000	J		
P4239-19	A4EP8	Solid	Total Alkanes	*	100.000	68	240	ug/Kg
			Total Tics :		10,610.00			
P4239-19	A4EP8	Solid	Benzo(a)anthracene		82.000	J 56	240	ug/Kg
P4239-19	A4EP8	Solid	Benzo(b)fluoranthene		120.000	J 60	240	ug/Kg
P4239-19	A4EP8	Solid	Chrysene		95.000	J 64	240	ug/Kg
P4239-19	A4EP8	Solid	Fluoranthene		200.000	J 63	240	ug/Kg
P4239-19	A4EP8	Solid	Phenanthrene		94.000	J 63	240	ug/Kg
P4239-19	A4EP8	Solid	Pyrene		140.000	J 63	240	ug/Kg
			Total Svoc :		731.00			
			Total Concentration:		11,341.00			
Client ID : SVOC-GPC-BLANK								
P4300-05	SVOC-GPC-BLANK	Solid	Adipic acid, 2-ethylhexyl octyl es	*	240.000	J		
P4300-05	SVOC-GPC-BLANK	Solid	Total Alkanes	*	0.000	140	510	ug/Kg
			Total Tics :		240.00			
			Total Concentration:		240.00			
Client ID : SVOC-GPC2-BLANK								
P4300-10	SVOC-GPC2-BLANK	Solid	Total Alkanes	*	0.000	140	510	ug/Kg
			Total Tics :		0.00			
			Total Concentration:		0.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724
Instrument ID: _____ Calibration Date(s): 9/27/2024 : _____
Calibration Time(s): 18:16 _____

LAB FILE ID:		RRFAL1 = BM047679.D			RRFAL2 = BM047680.D		RRFAL3 = BM047681.D	
		RRFAL4 = BM047682.D			RRFAL5 = BM047683.D		RRFAL6 = BM047684.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.671	0.724	0.713	0.649	0.623		0.676	6.3
Benzaldehyde		1.153	1.250	1.163	0.824	0.752	1.028	21.8
Pyridine		1.986	1.962	1.928	1.863	1.799	1.908	4.0
Hexachloroethane	0.613	0.672	0.661	0.664	0.667		0.655	3.7
Nitrobenzene	0.396	0.468	0.449	0.470	0.479		0.452	7.4
Isophorone	0.663	0.825	0.821	0.856	0.881		0.809	10.5
2-Nitrophenol	0.133	0.171	0.176	0.189	0.204		0.175	15.1
2,4-Dimethylphenol	0.317	0.379	0.378	0.386	0.409		0.374	9.1
Bis(2-Chloroethoxy)methane	0.438	0.518	0.500	0.504	0.515		0.495	6.6
2,4-Dichlorophenol	0.260	0.319	0.319	0.330	0.345		0.315	10.2
Naphthalene	1.059	1.212	1.151	1.154	1.176		1.150	4.9
4-Chloroaniline		0.451	0.455	0.468	0.487	0.459	0.464	3.1
Hexachlorobutadiene	0.193	0.222	0.208	0.207	0.210		0.208	5.0
Phenol		1.896	1.915	2.021	2.098	2.131	2.012	5.2
Caprolactam		0.085	0.093	0.104	0.108	0.112	0.101	11.0
4-Chloro-3-methylphenol	0.261	0.315	0.327	0.352	0.375		0.326	13.2
1-Methylnaphthalene	0.652	0.762	0.740	0.769	0.796		0.744	7.4
2-Methylnaphthalene	0.639	0.747	0.723	0.758	0.788		0.731	7.7
Hexachlorocyclopentadiene		0.389	0.384	0.393	0.404	0.399	0.394	2.1
2,4,6-Trichlorophenol	0.289	0.381	0.385	0.401	0.428		0.377	13.9
2,4,5-Trichlorophenol	0.326	0.424	0.413	0.435	0.462		0.412	12.5
1,1-Biphenyl	1.442	1.703	1.600	1.612	1.650		1.601	6.1
2-Chloronaphthalene	1.113	1.310	1.243	1.245	1.282		1.238	6.1
2-Nitroaniline	0.290	0.368	0.397	0.440	0.471		0.393	17.7
Bis(2-Chloroethyl)ether		1.597	1.587	1.603	1.630	1.600	1.603	1.0
Dimethylphthalate	1.308	1.529	1.475	1.493	1.538		1.468	6.4
2,6-Dinitrotoluene	0.186	0.241	0.262	0.287	0.313		0.258	18.8
Acenaphthylene	1.661	2.017	1.954	2.026	2.037		1.939	8.2
3-Nitroaniline		0.265	0.301	0.327	0.329	0.340	0.312	9.6
Acenaphthene	1.233	1.440	1.371	1.392	1.417		1.371	5.9
2,4-Dinitrophenol		0.108	0.131	0.158	0.186	0.214	0.159	26.4
4-Nitrophenol		0.215	0.228	0.252	0.265	0.252	0.242	8.4
Dibenzofuran	1.685	1.938	1.851	1.879	1.872		1.845	5.1
2,4-Dinitrotoluene	0.278	0.372	0.397	0.430	0.459		0.387	18.0
Diethylphthalate	1.276	1.521	1.470	1.514	1.565		1.469	7.7
2-Chlorophenol	1.263	1.469	1.475	1.512	1.570		1.458	8.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM

Case No.: BM092724

SAS No.: BM092724

SDG No.: BM092724

Instrument ID: _____

Calibration Date(s): 9/27/2024 : _____

Calibration Time(s): 18:16 _____

LAB FILE ID:		RRFAL1 = BM047679.D		RRFAL2 = BM047680.D		RRFAL3 = BM047681.D		
		RRFAL4 = BM047682.D		RRFAL5 = BM047683.D		RRFAL6 = BM047684.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.354	1.599	1.572	1.596	1.575		1.539	6.8
4-Chlorophenyl-phenylether	0.634	0.754	0.733	0.757	0.759		0.727	7.3
4-Nitroaniline		0.278	0.324	0.343	0.291	0.280	0.303	9.5
4,6-Dinitro-2-methylphenol		0.107	0.118	0.135	0.144	0.144	0.130	12.8
N-Nitrosodiphenylamine	0.538	0.646	0.637	0.652	0.643		0.623	7.7
1,2,4,5-Tetrachlorobenzene	0.595	0.689	0.647	0.651	0.674		0.651	5.5
4-Bromophenyl-phenylether	0.182	0.214	0.204	0.213	0.218		0.206	7.0
Hexachlorobenzene	0.213	0.248	0.239	0.246	0.254		0.240	6.6
Atrazine		0.207	0.206	0.215	0.225	0.184	0.207	7.4
Pentachlorophenol		0.130	0.138	0.153	0.170	0.172	0.153	12.2
2-Methylphenol		1.296	1.306	1.405	1.494	1.515	1.403	7.3
Phenanthrene	1.063	1.218	1.183	1.198	1.203		1.173	5.4
Pentachlorobenzene	0.311	0.339	0.318	0.325	0.324		0.323	3.2
Anthracene	1.051	1.237	1.210	1.252	1.232		1.196	6.9
1,2,3,4-Tetrachlorobenzene	0.309	0.355	0.328	0.329	0.335		0.331	5.0
Carbazole		1.079	1.078	1.125	1.112	1.028	1.084	3.5
Di-n-butylphthalate	0.956	1.180	1.209	1.314	1.377		1.207	13.4
Fluoranthene	1.192	1.374	1.326	1.375	1.417		1.337	6.5
Pyrene	1.326	1.548	1.474	1.545	1.547		1.488	6.4
Butylbenzylphthalate	0.400	0.496	0.512	0.578	0.644		0.526	17.4
3,3-Dichlorobenzidine		0.391	0.411	0.442	0.455	0.414	0.423	6.1
2,2-oxybis (1-Chloropropane)		3.100	3.033	3.057	3.063	2.839	3.018	3.4
Benzo (a) anthracene	1.266	1.453	1.388	1.434	1.461		1.400	5.7
Chrysene	1.267	1.430	1.363	1.387	1.379		1.365	4.4
Bis (2-ethylhexyl) phthalate	0.571	0.746	0.778	0.902	0.951		0.790	18.8
Di-n-octyl phthalate		1.041	1.121	1.350	1.481	1.456	1.290	15.4
Benzo (b) fluoranthene	1.082	1.294	1.241	1.299	1.321		1.247	7.8
Benzo (k) fluoranthene	1.095	1.325	1.245	1.348	1.365		1.275	8.7
Benzo (a) pyrene	1.006	1.221	1.170	1.253	1.272		1.185	9.0
Indeno (1,2,3-cd) pyrene	1.315	1.579	1.491	1.572	1.632		1.518	8.2
Dibenzo (a,h) anthracene	1.078	1.279	1.213	1.291	1.360		1.244	8.6
Benzo (g,h,i) perylene	1.053	1.236	1.171	1.227	1.259		1.189	7.0
Acetophenone		2.324	2.336	2.451	2.530	2.388	2.406	3.6
2,3,4,6-Tetrachlorophenol	0.252	0.319	0.333	0.352	0.368		0.325	13.8
1,4-Dioxane-d8	0.649	0.654	0.641	0.589	0.561		0.619	6.7
Pyridine-d5		1.858	1.823	1.840	1.796	1.744	1.812	2.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM092724 SAS No.: BM092724 SDG No.: BM092724
Instrument ID: _____ Calibration Date(s): 9/27/2024 : _____
Calibration Time(s): 18:16 _____

LAB FILE ID:		RRF _{FAL1} = BM047679.D			RRF _{FAL2} = BM047680.D		RRF _{FAL3} = BM047681.D	
		RRF _{FAL4} = BM047682.D			RRF _{FAL5} = BM047683.D		RRF _{FAL6} = BM047684.D	
COMPOUND	RRF _{FAL1}	RRF _{FAL2}	RRF _{FAL3}	RRF _{FAL4}	RRF _{FAL5}	RRF _{FAL6}	RRF	% RSD
Phenol-d5		1.757	1.800	1.872	1.985	2.042	1.891	6.4
Bis-(2-Chloroethyl)ether-d8		1.366	1.339	1.339	1.360	1.305	1.342	1.8
2-Chlorophenol-d4	1.153	1.367	1.403	1.446	1.510		1.376	9.9
4-Methylphenol-d8		1.277	1.323	1.427	1.498	1.506	1.406	7.3
Nitrobenzene-d5	0.127	0.161	0.161	0.169	0.178		0.159	12.3
2-Nitrophenol-d4	0.115	0.145	0.148	0.169	0.187		0.153	17.8
2,4-Dichlorophenol-d3	0.243	0.309	0.308	0.323	0.341		0.305	12.1
4-Chloroaniline-d4		0.456	0.455	0.474	0.499	0.473	0.471	3.8
4-Methylphenol		1.494	1.481	1.594	1.666	1.649	1.577	5.4
Dimethylphthalate-d6	1.296	1.500	1.447	1.482	1.525		1.450	6.2
Acenaphthylene-d8	1.440	1.765	1.733	1.812	1.847		1.719	9.4
4-Nitrophenol-d4		0.238	0.267	0.298	0.322	0.319	0.289	12.5
Fluorene-d10	1.094	1.290	1.261	1.300	1.335		1.256	7.5
4,6-Dinitro-2-methylphenol-		0.092	0.103	0.121	0.134	0.135	0.117	16.2
Anthracene-d10	0.860	1.003	0.983	1.025	1.046		0.983	7.4
Pyrene-d10	0.983	1.161	1.119	1.181	1.232		1.135	8.3
Benzo(a)pyrene-d12	0.862	1.064	1.026	1.096	1.140		1.038	10.3
N-Nitroso-di-n-propylamine	1.034	1.260	1.284	1.385	1.409		1.274	11.7

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.: BM101124 SAS No.: BM101124 SDG NO.: BM101124

EPA Sample No.: SSTD020022 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 14:45

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	138731	7.816	553617	10.61	324022	14.45
UPPER LIMIT	277462	8.316	1107234	11.11	648044	14.951
LOWER LIMIT	69365.5	7.316	276808.5	10.11	162011	13.951
EPA SAMPLE NO.						
01 SBLK830	161605	7.78	615525	10.58	348159	14.42
02 SVOC-GPC-BLANK	141083	7.78	513824	10.58	310891	14.42
03 SVOC-GPC2-BLANK	116493	7.78	425133	10.58	257808	14.42
04 A4F09	153858	7.78	603595	10.57	362395	14.42
05 A4F21	97631	7.78	395131	10.57	246760	14.42
06 A4EN6	209851	7.78	843101	10.58	519518	14.42
07 A4EN7	215283	7.78	865888	10.57	531265	14.42
08 A4F24	226141	7.78	899923	10.58	555400	14.42
09 A4ET5	239405	7.78	958511	10.58	595059	14.42
10 A4EP8	219813	7.78	877085	10.58	537194	14.42

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.: BM101124 SAS No.: BM101124 SDG NO.: BM101124

EPA Sample No.: SSTD020176 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM048011.D Time Analyzed: 14:45

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	139822	7.781	538893	10.57	316136	14.42
UPPER LIMIT	279644	8.281	1077786	11.069	632272	14.915
LOWER LIMIT	69911	7.281	269446.5	10.069	158068	13.915
EPA SAMPLE NO.						
01 SBLK830	161605	7.78	615525	10.58	348159	14.42
02 SVOC-GPC-BLANK	141083	7.78	513824	10.58	310891	14.42
03 SVOC-GPC2-BLANK	116493	7.78	425133	10.58	257808	14.42
04 A4F09	153858	7.78	603595	10.57	362395	14.42
05 A4F21	97631	7.78	395131	10.57	246760	14.42
06 A4EN6	209851	7.78	843101	10.58	519518	14.42
07 A4EN7	215283	7.78	865888	10.57	531265	14.42
08 A4F24	226141	7.78	899923	10.58	555400	14.42
09 A4ET5	239405	7.78	958511	10.58	595059	14.42
10 A4EP8	219813	7.78	877085	10.58	537194	14.42

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.: BM101124 SAS No.: BM101124 SDG NO.: BM101124

EPA Sample No.: SSTD020022 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM047681.D Time Analyzed: 14:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	619410	17.186	588645	21.409	637397	24.415
UPPER LIMIT	1238820	17.686	1177290	21.909	1274794	24.915
LOWER LIMIT	309705	16.686	294322.5	20.909	318698.5	23.915
EPA SAMPLE NO.						
01 SBLK830	700617	17.16	686542	21.38	852897	24.36
02 SVOC-GPC-BLANK	607842	17.16	641761	21.38	797395	24.36
03 SVOC-GPC2-BLANK	499058	17.16	531837	21.38	651536	24.36
04 A4F09	817778	17.16	937934	21.38	1.11924e+	24.37
05 A4F21	530987	17.16	509902	21.38	596574	24.37
06 A4EN6	1.09571	17.16	1.00452e+	21.38	1.18832e+	24.37
07 A4EN7	1.13685	17.16	1.03788e+	21.39	1.22987e+	24.37
08 A4F24	1.1782e	17.16	1.11531e+	21.38	1.30229e+ *	24.37
09 A4ET5	1.22258	17.16	1.20213e+ *	21.38	1.41643e+ *	24.37
10 A4EP8	1.12749	17.16	1.12918e+	21.38	1.30989e+ *	24.37

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.: BM101124 SAS No.: BM101124 SDG NO.: BM101124

EPA Sample No.: SSTD020176 Date Analyzed: Oct 11 2024 12:00AM

Lab File ID: BM048011.D Time Analyzed: 14:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	634556	17.156	670981	21.38	797030	24.362
UPPER LIMIT	1269112	17.656	1341962	21.88	1594060	24.862
LOWER LIMIT	317278	16.656	335490.5	20.88	398515	23.862
EPA SAMPLE NO.						
01 SBLK830	700617	17.16	686542	21.38	852897	24.36
02 SVOC-GPC-BLANK	607842	17.16	641761	21.38	797395	24.36
03 SVOC-GPC2-BLANK	499058	17.16	531837	21.38	651536	24.36
04 A4F09	817778	17.16	937934	21.38	1.11924e+	24.37
05 A4F21	530987	17.16	509902	21.38	596574	24.37
06 A4EN6	1.09571	17.16	1.00452e+	21.38	1.18832e+	24.37
07 A4EN7	1.13685	17.16	1.03788e+	21.39	1.22987e+	24.37
08 A4F24	1.1782e	17.16	1.11531e+	21.38	1.30229e+	24.37
09 A4ET5	1.22258	17.16	1.20213e+	21.38	1.41643e+	24.37
10 A4EP8	1.12749	17.16	1.12918e+	21.38	1.30989e+	24.37

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.

SBLK830

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101124

SAS No.: BM101124 SDG NO.: BM101124

Lab File ID: BM048012.D

Lab Sample ID: PB163830BL

Instrument ID: BNA_M

Date Extracted: 10/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 14:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4F09	P4237-04	BM048015.D	10/11/2024
A4F21	P4237-07	BM048016.D	10/11/2024
A4EN6	P4237-14	BM048017.D	10/11/2024
A4EN7	P4237-15	BM048018.D	10/11/2024
A4F24	P4237-10	BM048019.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A4ET5

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101124

SAS No.: BM101124 SDG NO.: BM101124

Lab File ID: BM048020.D

Lab Sample ID: P4239-11

Instrument ID: BNA_M

Date Extracted: 10/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 21:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4ET5	P4239-11	BM048020.D	10/11/2024
A4EP8	P4239-19	BM048021.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVOC-GPC2-BLANK

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101124

SAS No.: BM101124 SDG NO.: BM101124

Lab File ID: BM048014.D

Lab Sample ID: P4300-10

Instrument ID: BNA_M

Date Extracted: 10/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 17:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SVOC-GPC2-BLANK	P4300-10	BM048014.D	10/11/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVOC-GPC-BLANK

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM101124

SAS No.: BM101124 SDG NO.: BM101124

Lab File ID: BM048013.D

Lab Sample ID: P4300-05

Instrument ID: BNA_M

Date Extracted: 10/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 10/11/2024

Level: (low/med) LOW

Time Analyzed: 16:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SVOC-GPC-BLANK	P4300-05	BM048013.D	10/11/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: BM101124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4237-04	A4F09	BM048015.D	1,4-Dioxane-d8	8	2.30	29		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	11.55	29		10	130
			Bis(2-Chloroethyl)ether-d8	40	10.58	26		10	150
			2-Chlorophenol-d4	40	13.49	34		15	120
			4-Methylphenol-d8	40	11.18	28		10	140
			Nitrobenzene-d5	40	12.73	32		10	135
			2-Nitrophenol-d4	40	13.59	34		10	120
			2,4-Dichlorophenol-d3	40	13.27	33		10	140
			4-Chloroaniline-d4	40	1.38	3		1	145
			Dimethylphthalate-d6	40	13.39	33		10	145
			Acenaphthylene-d8	40	13.67	34		15	120
			4-Nitrophenol-d4	40	8.62	22		10	150
			Fluorene-d10	40	14.92	37		20	140
			4,6-Dinitro-2-methylphenol-d2	40	8.35	21		10	130
			Anthracene-d10	40	13.87	35		10	150
			Pyrene-d10	40	13.04	33		10	130
			Benzo(a)pyrene-d12	40	10.31	26		10	140
P4237-07	A4F21	BM048016.D	1,4-Dioxane-d8	8	2.19	27		15	120
			Pyridine-d5	40	1.90	5	*	20	120
			Phenol-d5	40	18.34	46		10	130
			Bis(2-Chloroethyl)ether-d8	40	14.94	37		10	150
			2-Chlorophenol-d4	40	20.48	51		15	120
			4-Methylphenol-d8	40	16.27	41		10	140
			Nitrobenzene-d5	40	20.06	50		10	135
			2-Nitrophenol-d4	40	22.66	57		10	120
			2,4-Dichlorophenol-d3	40	22.68	57		10	140
			4-Chloroaniline-d4	40	2.02	5		1	145
			Dimethylphthalate-d6	40	22.58	56		10	145
			Acenaphthylene-d8	40	22.47	56		15	120
			4-Nitrophenol-d4	40	16.53	41		10	150
			Fluorene-d10	40	24.11	60		20	140
			4,6-Dinitro-2-methylphenol-d2	40	13.25	33		10	130
			Anthracene-d10	40	22.43	56		10	150
			Pyrene-d10	40	23.39	58		10	130
			Benzo(a)pyrene-d12	40	17.51	44		10	140
P4237-10	A4F24	BM048019.D	1,4-Dioxane-d8	8	1.43	18		15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	6.76	17		10	130
			Bis(2-Chloroethyl)ether-d8	40	6.34	16		10	150
			2-Chlorophenol-d4	40	8.65	22		15	120
			4-Methylphenol-d8	40	5.73	14		10	140
			Nitrobenzene-d5	40	8.58	21		10	135
			2-Nitrophenol-d4	40	9.06	23		10	120
			2,4-Dichlorophenol-d3	40	8.23	21		10	140
			4-Chloroaniline-d4	40	2.28	6		1	145
			Dimethylphthalate-d6	40	8.67	22		10	145
			Acenaphthylene-d8	40	9.01	23		15	120
			4-Nitrophenol-d4	40	2.70	7	*	10	150

Surrogate Summary

SW-846

SDG No.: **BM101124**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4237-10	A4F24	BM048019.D	Fluorene-d10	40	9.49	24		20	140
			4,6-Dinitro-2-methylphenol-d2	40	2.19	5	*	10	130
			Anthracene-d10	40	8.77	22		10	150
			Pyrene-d10	40	9.46	24		10	130
			Benzo(a)pyrene-d12	40	7.20	18		10	140
P4237-14	A4EN6	BM048017.D	1,4-Dioxane-d8	8	1.59	20		15	120
			Pyridine-d5	40	1.15	3	*	20	120
			Phenol-d5	40	8.12	20		10	130
			Bis(2-Chloroethyl)ether-d8	40	7.03	18		10	150
			2-Chlorophenol-d4	40	9.75	24		15	120
			4-Methylphenol-d8	40	6.96	17		10	140
			Nitrobenzene-d5	40	9.41	24		10	135
			2-Nitrophenol-d4	40	10.35	26		10	120
			2,4-Dichlorophenol-d3	40	9.69	24		10	140
			4-Chloroaniline-d4	40	1.86	5		1	145
			Dimethylphthalate-d6	40	9.71	24		10	145
			Acenaphthylene-d8	40	9.81	25		15	120
			4-Nitrophenol-d4	40	4.89	12		10	150
			Fluorene-d10	40	10.51	26		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.14	10		10	130
			Anthracene-d10	40	9.97	25		10	150
			Pyrene-d10	40	10.60	26		10	130
			Benzo(a)pyrene-d12	40	7.69	19		10	140
P4237-15	A4EN7	BM048018.D	1,4-Dioxane-d8	8	1.87	23		15	120
			Pyridine-d5	40	0.60	2	*	20	120
			Phenol-d5	40	10.09	25		10	130
			Bis(2-Chloroethyl)ether-d8	40	8.66	22		10	150
			2-Chlorophenol-d4	40	11.81	30		15	120
			4-Methylphenol-d8	40	9.24	23		10	140
			Nitrobenzene-d5	40	11.70	29		10	135
			2-Nitrophenol-d4	40	13.05	33		10	120
			2,4-Dichlorophenol-d3	40	11.74	29		10	140
			4-Chloroaniline-d4	40	2.73	7		1	145
			Dimethylphthalate-d6	40	11.73	29		10	145
			Acenaphthylene-d8	40	12.13	30		15	120
			4-Nitrophenol-d4	40	6.59	16		10	150
			Fluorene-d10	40	12.96	32		20	140
			4,6-Dinitro-2-methylphenol-d2	40	4.49	11		10	130
			Anthracene-d10	40	12.38	31		10	150
			Pyrene-d10	40	12.87	32		10	130
			Benzo(a)pyrene-d12	40	9.08	23		10	140
PB163830BL	PB163830BL	BM048012.D	1,4-Dioxane-d8	8	4.21	53		15	120
			Pyridine-d5	40	19.38	48		20	120
			Phenol-d5	40	19.38	48		10	130
			Bis(2-Chloroethyl)ether-d8	40	17.90	45		10	150
			2-Chlorophenol-d4	40	22.44	56		15	120
			4-Methylphenol-d8	40	19.08	48		10	140
			Nitrobenzene-d5	40	22.13	55		10	135
			2-Nitrophenol-d4	40	23.68	59		10	120

Surrogate Summary

SW-846

SDG No.: BM101124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163830BL	PB163830BL	BM048012.D	2,4-Dichlorophenol-d3	40	20.29	51		10	140
			4-Chloroaniline-d4	40	19.50	49		1	145
			Dimethylphthalate-d6	40	23.89	60		10	145
			Acenaphthylene-d8	40	22.72	57		15	120
			4-Nitrophenol-d4	40	14.54	36		10	150
			Fluorene-d10	40	23.38	58		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.38	43		10	130
			Anthracene-d10	40	23.14	58		10	150
			Pyrene-d10	40	24.21	61		10	130
			Benzo(a)pyrene-d12	40	24.51	61		10	140

Surrogate Summary

SW-846

SDG No.: BM101124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4239-11	A4ET5	BM048020.D	1,4-Dioxane-d8	8	1.19	15		15	120
			Pyridine-d5	40	0.88	2	*	20	120
			Phenol-d5	40	6.35	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	5.45	14		10	150
			2-Chlorophenol-d4	40	7.66	19		15	120
			4-Methylphenol-d8	40	5.72	14		10	140
			Nitrobenzene-d5	40	7.11	18		10	135
			2-Nitrophenol-d4	40	8.08	20		10	120
			2,4-Dichlorophenol-d3	40	7.20	18		10	140
			4-Chloroaniline-d4	40	4.71	12		1	145
			Dimethylphthalate-d6	40	7.55	19		10	145
			Acenaphthylene-d8	40	7.39	18		15	120
			4-Nitrophenol-d4	40	3.44	9	*	10	150
			Fluorene-d10	40	7.97	20		20	140
			4,6-Dinitro-2-methylphenol-d2	40	1.96	5	*	10	130
			Anthracene-d10	40	7.97	20		10	150
			Pyrene-d10	40	7.84	20		10	130
			Benzo(a)pyrene-d12	40	5.89	15		10	140
P4239-19	A4EP8	BM048021.D	1,4-Dioxane-d8	8	1.52	19		15	120
			Pyridine-d5	40	0.91	2	*	20	120
			Phenol-d5	40	7.80	19		10	130
			Bis(2-Chloroethyl)ether-d8	40	7.09	18		10	150
			2-Chlorophenol-d4	40	9.82	25		15	120
			4-Methylphenol-d8	40	7.29	18		10	140
			Nitrobenzene-d5	40	9.41	24		10	135
			2-Nitrophenol-d4	40	10.72	27		10	120
			2,4-Dichlorophenol-d3	40	9.42	24		10	140
			4-Chloroaniline-d4	40	5.64	14		1	145
			Dimethylphthalate-d6	40	10.06	25		10	145
			Acenaphthylene-d8	40	9.97	25		15	120
			4-Nitrophenol-d4	40	5.27	13		10	150
			Fluorene-d10	40	10.77	27		20	140
			4,6-Dinitro-2-methylphenol-d2	40	3.31	8	*	10	130
			Anthracene-d10	40	10.45	26		10	150
			Pyrene-d10	40	10.09	25		10	130
			Benzo(a)pyrene-d12	40	7.81	20		10	140

Surrogate Summary

SW-846

SDG No.: BM101124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4300-10	SVOC-GPC2-BLA1BM048014.D		1,4-Dioxane-d8	8	0.00	0	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	0.00	0	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	0.00	0	*	10	150
			2-Chlorophenol-d4	40	0.00	0	*	15	120
			4-Methylphenol-d8	40	0.00	0	*	10	140
			Nitrobenzene-d5	40	0.00	0	*	10	135
			2-Nitrophenol-d4	40	0.00	0	*	10	120
			2,4-Dichlorophenol-d3	40	0.00	0	*	10	140
			4-Chloroaniline-d4	40	0.00	0	*	1	145
			Dimethylphthalate-d6	40	0.00	0	*	10	145
			Acenaphthylene-d8	40	0.00	0	*	15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	0.00	0	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	0.00	0	*	10	150
			Pyrene-d10	40	0.00	0	*	10	130
			Benzo(a)pyrene-d12	40	0.00	0	*	10	140

Surrogate Summary

SW-846

SDG No.: BM101124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4300-05	SVOC-GPC-BLANBM048013.D		Pyridine-d5	40	0.00	0	*	20	120
			1,4-Dioxane-d8	8	0.00	0	*	15	120
			Phenol-d5	40	0.00	0	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	0.00	0	*	10	150
			2-Chlorophenol-d4	40	0.00	0	*	15	120
			4-Methylphenol-d8	40	0.00	0	*	10	140
			Nitrobenzene-d5	40	0.00	0	*	10	135
			2-Nitrophenol-d4	40	0.00	0	*	10	120
			2,4-Dichlorophenol-d3	40	0.00	0	*	10	140
			4-Chloroaniline-d4	40	0.00	0	*	1	145
			Dimethylphthalate-d6	40	0.00	0	*	10	145
			Acenaphthylene-d8	40	0.00	0	*	15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	0.00	0	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	0.00	0	*	10	150
			Pyrene-d10	40	0.00	0	*	10	130
			Benzo(a)pyrene-d12	40	0.00	0	*	10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM101124

Lab Code: CHEM

SAS No.: BM101124 SDG NO.: BM101124

Lab File ID: BM048010.D

DFTPP Injection Date: 10/11/2024

Instrument ID: BNA_M

DFTPP Injection Time: 13:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.4
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.3 (0.8) 1
127	10.0 - 80.0% of mass 198	44.1
197	Less than 2.0% of mass 198	0.5
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	24.4
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	84
443	15.0 - 24.0% of mass 442	16.3 (19.4) 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
SSTD020176	SSTDCCC020	BM048011.D	10/11/2024	14:05
SBLK830	PB163830BL	BM048012.D	10/11/2024	14:45
SVOC-GPC-BLANK	P4300-05	BM048013.D	10/11/2024	16:38
SVOC-GPC2-BLANK	P4300-10	BM048014.D	10/11/2024	17:17
A4F09	P4237-04	BM048015.D	10/11/2024	17:56
A4F21	P4237-07	BM048016.D	10/11/2024	18:36
A4EN6	P4237-14	BM048017.D	10/11/2024	19:15
A4EN7	P4237-15	BM048018.D	10/11/2024	19:55
A4F24	P4237-10	BM048019.D	10/11/2024	20:34
A4ET5	P4239-11	BM048020.D	10/11/2024	21:14
A4EP8	P4239-19	BM048021.D	10/11/2024	21:53
SSTD020177	SSTDCCC020EC	BM048022.D	10/11/2024	23:12