



7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG No.: BM032124

Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1:13:41

Lab File ID: BM044681.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020078 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.610	0.601	0.010	-1.6213	40.0
Benzaldehyde	0.896	1.043	0.010	16.4218	40.0
Pyridine	1.800	1.647	0.010	-8.5241	40.0
Phenol	2.099	1.903	0.080	-9.3405	20.0
Bis(2-Chloroethyl) ether	1.723	1.569	0.100	-8.9205	20.0
2-Chlorophenol	1.559	1.469	0.200	-5.7398	20.0
2-Methylphenol	1.593	1.377	0.010	-13.5535	20.0
2,2-oxybis(1-Chloropropane)	2.276	2.293	0.010	0.7422	40.0
Acetophenone	2.505	2.242	0.060	-10.4995	20.0
4-Methylphenol	1.734	1.498	0.010	-13.5952	20.0
N-Nitroso-di-n-propylamine	1.294	1.166	0.050	-9.887	30.0
Hexachloroethane	0.638	0.628	0.100	-1.5886	20.0
Nitrobenzene	0.399	0.423	0.050	5.9958	25.0
Isophorone	0.815	0.790	0.050	-3.0818	25.0
2-Nitrophenol	0.198	0.199	0.050	0.3996	25.0
2,4-Dimethylphenol	0.360	0.368	0.050	2.045	25.0
Bis(2-Chloroethoxy) methane	0.512	0.500	0.050	-2.4438	20.0
2,4-Dichlorophenol	0.308	0.322	0.060	4.254	20.0
Naphthalene	1.133	1.178	0.200	3.9608	20.0
4-Chloroaniline	0.495	0.472	0.010	-4.5931	40.0
Hexachlorobutadiene	0.173	0.193	0.040	11.8983	30.0
Caprolactam	0.120	0.095	0.010	-20.9045	40.0
4-Chloro-3-methylphenol	0.358	0.338	0.040	-5.4365	25.0
1-Methylnaphthalene	0.743	0.732	0.100	-1.4318	20.0
2-Methylnaphthalene	0.753	0.755	0.100	0.1772	20.0
Hexachlorocyclopentadiene	0.378	0.393	0.010	4.1436	40.0
2,4,6-Trichlorophenol	0.399	0.392	0.090	-1.7551	25.0
2,4,5-Trichlorophenol	0.427	0.423	0.100	-1.04	25.0
1,1-Biphenyl	1.588	1.620	0.200	2.0174	20.0
2-Chloronaphthalene	1.246	1.265	0.300	1.4724	20.0
2-Nitroaniline	0.391	0.378	0.050	-3.4528	40.0
Dimethylphthalate	1.596	1.514	0.300	-5.1748	20.0
2,6-Dinitrotoluene	0.319	0.292	0.080	-8.3914	30.0
Acenaphthylene	2.091	2.107	0.400	0.767	20.0
3-Nitroaniline	0.344	0.314	0.010	-8.7357	40.0
Acenaphthene	1.375	1.382	0.200	0.5193	20.0
2,4-Dinitrophenol	0.204	0.147	0.010	-28.1008	40.0
4-Nitrophenol	0.228	0.204	0.010	-10.5041	40.0
Dibenzofuran	1.829	1.851	0.300	1.2411	20.0
2,4-Dinitrotoluene	0.460	0.420	0.070	-8.81	30.0
Diethylphthalate	1.657	1.512	0.300	-8.7368	20.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG No.: BM032124

Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1:13:41

Lab File ID: BM044681.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020078 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.524	0.200	1.9172	20.0
4-Chlorophenyl-phenylether	0.694	0.725	0.100	4.378	20.0
4-Nitroaniline	0.329	0.311	0.010	-5.4709	40.0
4,6-Dinitro-2-methylphenol	0.139	0.133	0.010	-4.3766	40.0
N-Nitrosodiphenylamine	0.602	0.649	0.050	7.6842	20.0
1,2,4,5-Tetrachlorobenzene	0.569	0.610	0.100	7.2094	20.0
4-Bromophenyl-phenylether	0.200	0.221	0.070	10.4976	20.0
Hexachlorobenzene	0.228	0.252	0.050	10.5897	25.0
Atrazine	0.197	0.203	0.010	3.1246	25.0
Pentachlorophenol	0.150	0.141	0.010	-6.1601	40.0
Phenanthrene	1.135	1.190	0.200	4.8823	20.0
Pentachlorobenzene	0.258	0.301	0.050	16.5382	20.0
Anthracene	1.147	1.212	0.200	5.6396	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.315	0.050	17.8954	20.0
Carbazole	1.078	1.088	0.050	0.9502	40.0
Di-n-butylphthalate	1.450	1.335	0.500	-7.9303	25.0
Fluoranthene	1.461	1.435	0.400	-1.757	25.0
Pyrene	1.521	1.533	0.400	0.7927	25.0
Butylbenzylphthalate	0.748	0.612	0.100	-18.1487	40.0
3,3-Dichlorobenzidine	0.433	0.436	0.010	0.8713	40.0
Benzo(a)anthracene	1.502	1.480	0.300	-1.4581	30.0
Chrysene	1.391	1.373	0.200	-1.2411	30.0
Bis(2-ethylhexyl)phthalate	1.090	0.947	0.200	-13.153	40.0
Di-n-octyl phthalate	1.790	1.380	0.010	-22.9065	40.0
Benzo(b)fluoranthene	1.338	1.276	0.200	-4.675	25.0
Benzo(k)fluoranthene	1.311	1.309	0.200	-0.1153	25.0
Benzo(a)pyrene	1.252	1.244	0.200	-0.6018	20.0
Indeno(1,2,3-cd)pyrene	1.404	1.598	0.200	13.8196	25.0
Dibenzo(a,h)anthracene	1.171	1.338	0.200	14.2963	30.0
Benzo(g,h,i)perylene	1.121	1.273	0.200	13.5831	30.0
2,3,4,6-Tetrachlorophenol	0.354	0.339	0.040	-4.2378	20.0
1,4-Dioxane-d8	0.590	0.591	0.010	0.1589	25.0
Pyridine-d5	1.736	1.585	0.010	-8.6657	40.0
Phenol-d5	2.056	1.840	0.010	-10.5289	25.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.198	0.050	-5.6465	25.0
2-Chlorophenol-d4	1.511	1.452	0.200	-3.9266	20.0
4-Methylphenol-d8	1.615	1.368	0.010	-15.2908	20.0
Nitrobenzene-d5	0.168	0.173	0.050	2.6095	20.0
2-Nitrophenol-d4	0.182	0.181	0.050	-0.2539	30.0
2,4-Dichlorophenol-d3	0.309	0.321	0.060	3.7405	20.0
4-Chloroaniline-d4	0.513	0.487	0.010	-5.1639	40.0



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Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1:13:41
Lab File ID: BM044681.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020078 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.475	0.300	-5.9608	20.0
Acenaphthylene-d8	1.794	1.746	0.400	-2.671	20.0
4-Nitrophenol-d4	0.325	0.279	0.010	-14.1316	40.0
Fluorene-d10	1.318	1.282	0.100	-2.7965	20.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.123	0.010	-5.52	40.0
Anthracene-d10	0.956	0.990	0.300	3.6059	20.0
Pyrene-d10	1.227	1.201	0.300	-2.072	25.0
Benzo(a)pyrene-d12	1.051	1.056	0.010	0.4646	20.0

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG No.: BM032124

Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1:20:22

Lab File ID: BM044691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020079 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.610	0.589	0.010	-3.5778	50.0
Benzaldehyde	0.896	1.074	0.010	19.8739	50.0
Pyridine	1.800	1.636	0.010	-9.0906	50.0
Phenol	2.099	1.905	0.080	-9.2388	50.0
Bis(2-Chloroethyl)ether	1.723	1.573	0.100	-8.7077	50.0
2-Chlorophenol	1.559	1.504	0.200	-3.5096	50.0
2-Methylphenol	1.593	1.397	0.010	-12.2949	50.0
2,2-oxybis(1-Chloropropane)	2.276	2.324	0.010	2.1167	50.0
Acetophenone	2.505	2.250	0.060	-10.167	50.0
4-Methylphenol	1.734	1.502	0.010	-13.335	50.0
N-Nitroso-di-n-propylamine	1.294	1.173	0.050	-9.3697	50.0
Hexachloroethane	0.638	0.638	0.100	0.0048	50.0
Nitrobenzene	0.399	0.429	0.050	7.4159	50.0
Isophorone	0.815	0.795	0.050	-2.4094	50.0
2-Nitrophenol	0.198	0.198	0.050	0.252	50.0
2,4-Dimethylphenol	0.360	0.357	0.050	-0.849	50.0
Bis(2-Chloroethoxy)methane	0.512	0.506	0.050	-1.3001	50.0
2,4-Dichlorophenol	0.308	0.321	0.060	4.1041	50.0
Naphthalene	1.133	1.159	0.200	2.2736	50.0
4-Chloroaniline	0.495	0.465	0.010	-5.9712	50.0
Hexachlorobutadiene	0.173	0.196	0.040	13.4841	50.0
Caprolactam	0.120	0.092	0.010	-23.096	50.0
4-Chloro-3-methylphenol	0.358	0.334	0.040	-6.6014	50.0
1-Methylnaphthalene	0.743	0.725	0.100	-2.4912	50.0
2-Methylnaphthalene	0.753	0.737	0.100	-2.1334	50.0
Hexachlorocyclopentadiene	0.378	0.398	0.010	5.4606	50.0
2,4,6-Trichlorophenol	0.399	0.402	0.090	0.8908	50.0
2,4,5-Trichlorophenol	0.427	0.428	0.100	0.0803	50.0
1,1-Biphenyl	1.588	1.622	0.200	2.1191	50.0
2-Chloronaphthalene	1.246	1.271	0.300	1.991	50.0
2-Nitroaniline	0.391	0.387	0.050	-0.9683	50.0
Dimethylphthalate	1.596	1.505	0.300	-5.7061	50.0
2,6-Dinitrotoluene	0.319	0.296	0.080	-7.0944	50.0
Acenaphthylene	2.091	2.113	0.400	1.0508	50.0
3-Nitroaniline	0.344	0.313	0.010	-9.1872	50.0
Acenaphthene	1.375	1.381	0.200	0.4553	50.0
2,4-Dinitrophenol	0.204	0.143	0.010	-29.7501	50.0
4-Nitrophenol	0.228	0.210	0.010	-7.9136	50.0
Dibenzofuran	1.829	1.830	0.300	0.0787	50.0
2,4-Dinitrotoluene	0.460	0.416	0.070	-9.7316	50.0
Diethylphthalate	1.657	1.536	0.300	-7.2723	50.0



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Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG No.: BM032124

Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1: 20:22

Lab File ID: BM044691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020079 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.500	0.200	0.3003	50.0
4-Chlorophenyl-phenylether	0.694	0.716	0.100	3.1377	50.0
4-Nitroaniline	0.329	0.312	0.010	-5.1876	50.0
4,6-Dinitro-2-methylphenol	0.139	0.131	0.010	-5.7639	50.0
N-Nitrosodiphenylamine	0.602	0.642	0.050	6.4976	50.0
1,2,4,5-Tetrachlorobenzene	0.569	0.615	0.100	8.103	50.0
4-Bromophenyl-phenylether	0.200	0.221	0.070	10.7143	50.0
Hexachlorobenzene	0.228	0.253	0.050	11.253	50.0
Atrazine	0.197	0.206	0.010	4.6075	50.0
Pentachlorophenol	0.150	0.144	0.010	-4.5283	50.0
Phenanthrene	1.135	1.171	0.200	3.1949	50.0
Pentachlorobenzene	0.258	0.307	0.050	19.015	50.0
Anthracene	1.147	1.198	0.200	4.4081	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.318	0.050	19.2181	50.0
Carbazole	1.078	1.055	0.050	-2.197	50.0
Di-n-butylphthalate	1.450	1.340	0.500	-7.5773	50.0
Fluoranthene	1.461	1.478	0.400	1.1643	50.0
Pyrene	1.521	1.552	0.400	2.0237	50.0
Butylbenzylphthalate	0.748	0.647	0.100	-13.524	50.0
3,3-Dichlorobenzidine	0.433	0.437	0.010	0.9575	50.0
Benzo(a)anthracene	1.502	1.473	0.300	-1.9407	50.0
Chrysene	1.391	1.382	0.200	-0.5966	50.0
Bis(2-ethylhexyl)phthalate	1.090	0.995	0.200	-8.7502	50.0
Di-n-octyl phthalate	1.790	1.456	0.010	-18.6345	50.0
Benzo(b)fluoranthene	1.338	1.287	0.200	-3.8577	50.0
Benzo(k)fluoranthene	1.311	1.272	0.200	-2.9516	50.0
Benzo(a)pyrene	1.252	1.229	0.200	-1.7903	50.0
Indeno(1,2,3-cd)pyrene	1.404	1.570	0.200	11.8368	50.0
Dibenzo(a,h)anthracene	1.171	1.330	0.200	13.6222	50.0
Benzo(g,h,i)perylene	1.121	1.249	0.200	11.4977	50.0
2,3,4,6-Tetrachlorophenol	0.354	0.341	0.040	-3.5527	50.0
1,4-Dioxane-d8	0.590	0.564	0.010	-4.2831	50.0
Pyridine-d5	1.736	1.566	0.010	-9.782	50.0
Phenol-d5	2.056	1.864	0.010	-9.3431	50.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.223	0.050	-3.7077	50.0
2-Chlorophenol-d4	1.511	1.461	0.200	-3.3203	50.0
4-Methylphenol-d8	1.615	1.409	0.010	-12.7574	50.0
Nitrobenzene-d5	0.168	0.175	0.050	3.975	50.0
2-Nitrophenol-d4	0.182	0.186	0.050	2.4778	50.0
2,4-Dichlorophenol-d3	0.309	0.322	0.060	4.2637	50.0
4-Chloroaniline-d4	0.513	0.480	0.010	-6.4376	50.0



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG No.: BM032124

Instrument ID: BNA_M Calibration Date/Time: 3/20/2024 1: 20:22

Lab File ID: BM044691.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020079 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.501	0.300	-4.3556	50.0
Acenaphthylene-d8	1.794	1.758	0.400	-2.0137	50.0
4-Nitrophenol-d4	0.325	0.274	0.010	-15.7757	50.0
Fluorene-d10	1.318	1.270	0.100	-3.6603	50.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.120	0.010	-7.7099	50.0
Anthracene-d10	0.956	0.983	0.300	2.783	50.0
Pyrene-d10	1.227	1.220	0.300	-0.5517	50.0
Benzo(a)pyrene-d12	1.051	1.046	0.010	-0.5209	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK667	SDG No.:	BM032124
Lab Sample ID:	PB159667BL	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
BM044682.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

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
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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK667	SDG No.:	BM032124
Lab Sample ID:	PB159667BL	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
BM044682.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK667	SDG No.:	BM032124
Lab Sample ID:	PB159667BL	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
BM044682.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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	5.38		15-120		67	SPK: -8
7291-22-7	Pyridine-d5	24.741		20-120		62	SPK: -40
4165-62-2	Phenol-d5	23.814		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.542		10-150		64	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.609		15-120		64	SPK: -40
190780-66-6	4-Methylphenol-d8	22.455		10-140		56	SPK: -40
4165-60-0	Nitrobenzene-d5	27.645		10-135		69	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.271		10-120		68	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.827		10-140		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	24.792		1-145		62	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.788		10-145		67	SPK: -40
93951-97-4	Acenaphthylene-d8	27.272		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.61		10-150		49	SPK: -40
81103-79-9	Fluorene-d10	27.4		20-140		69	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.886		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	28.878		10-150		72	SPK: -40
1718-52-1	Pyrene-d10	29.728		10-130		74	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.862		10-140		72	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164847	7.693				
1146-65-2	Naphthalene-d8	635941	10.469				
15067-26-2	Acenaphthene-d10	354322	14.339				
1517-22-2	Phenanthrene-d10	686740	17.092				



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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK667	SDG No.:	BM032124
Lab Sample ID:	PB159667BL	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
BM044682.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	570334	21.292				
1520-96-3	Perylene-d12	700713	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0764	SDG No.:	BM032124
Lab Sample ID:	P1760-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15
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
BM044683.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.8	78	ug/Kg
100-52-7	Benzaldehyde	88	U	88	97.1	390	ug/Kg
110-86-1	Pyridine	51	U	51	190	390	ug/Kg
108-95-2	Phenol	41	U	41	97.1	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	97.1	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	97.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	97.1	390	ug/Kg
98-86-2	Acetophenone	65	J	45	97.1	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	97.1	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	50	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	50	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	50	200	ug/Kg
78-59-1	Isophorone	40	U	40	50	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	50	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	50	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	50	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50	200	ug/Kg
91-20-3	Naphthalene	40	U	40	50	200	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	50	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	50	200	ug/Kg
105-60-2	Caprolactam	140	U	140	97.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	50	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	50	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	50	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	93	U	93	97.1	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	50	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	50	200	ug/Kg
92-52-4	1,1-Biphenyl	56	U	56	50	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	50	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	50	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0764	SDG No.:	BM032124
Lab Sample ID:	P1760-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15
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
BM044683.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	49	U	49	50	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	50	200	ug/Kg
208-96-8	Acenaphthylene	51	U	51	50	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	97.1	390	ug/Kg
83-32-9	Acenaphthene	48	U	48	50	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	97.1	390	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	97.1	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	50	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	50	200	ug/Kg
84-66-2	Diethylphthalate	71	U	71	50	200	ug/Kg
86-73-7	Fluorene	53	U	53	50	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	50	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	97.1	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	97.1	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	50	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	50	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	50	200	ug/Kg
118-74-1	Hexachlorobenzene	59	U	59	50	200	ug/Kg
1912-24-9	Atrazine	46	U	46	97.1	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	97.1	390	ug/Kg
85-01-8	Phenanthrene	52	U	52	50	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	50	200	ug/Kg
120-12-7	Anthracene	51	U	51	50	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	50	200	ug/Kg
86-74-8	Carbazole	53	U	53	97.1	390	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	50	200	ug/Kg
206-44-0	Fluoranthene	52	U	52	97.1	200	ug/Kg
129-00-0	Pyrene	52	U	52	50	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	50	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	97.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	50	200	ug/Kg
218-01-9	Chrysene	53	U	53	50	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	50	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0764	SDG No.:	BM032124
Lab Sample ID:	P1760-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15
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
BM044683.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	40	U	40	97.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	50	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	50	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	50	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	50	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.74		15-120		47	SPK: -8
7291-22-7	Pyridine-d5	7.517	*	20-120		19	SPK: -40
4165-62-2	Phenol-d5	17.056		10-130		43	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.977		10-150		47	SPK: -40
93951-73-6	2-Chlorophenol-d4	18.455		15-120		46	SPK: -40
190780-66-6	4-Methylphenol-d8	15.179		10-140		38	SPK: -40
4165-60-0	Nitrobenzene-d5	20.206		10-135		51	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.808		10-120		47	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	19.082		10-140		48	SPK: -40
191656-33-4	4-Chloroaniline-d4	12.336		1-145		31	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.687		10-145		49	SPK: -40
93951-97-4	Acenaphthylene-d8	19.959		15-120		50	SPK: -40
93951-79-2	4-Nitrophenol-d4	11.779		10-150		29	SPK: -40
81103-79-9	Fluorene-d10	21.1		20-140		53	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.054		10-130		25	SPK: -40
1719-06-8	Anthracene-d10	21.107		10-150		53	SPK: -40
1718-52-1	Pyrene-d10	22.849		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	22.504		10-140		56	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	123114	7.692				
1146-65-2	Naphthalene-d8	466360	10.469				
15067-26-2	Acenaphthene-d10	250311	14.339				
1517-22-2	Phenanthrene-d10	478606	17.092				



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Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0764	SDG No.:	BM032124
Lab Sample ID:	P1760-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	15
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
BM044683.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	413940	21.291				
1520-96-3	Perylene-d12	506544	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.998	
1000351-83-9	Nonadecyl heptafluorobutyrate	84	J			21.021	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0765	SDG No.:	BM032124
Lab Sample ID:	P1760-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	8.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044684.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	7.2	73	ug/Kg
100-52-7	Benzaldehyde	82	U	82	90.3	360	ug/Kg
110-86-1	Pyridine	47	U	47	180	360	ug/Kg
108-95-2	Phenol	38	U	38	90.3	360	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	37	U	37	90.3	360	ug/Kg
95-57-8	2-Chlorophenol	31	U	31	46.5	190	ug/Kg
95-48-7	2-Methylphenol	33	U	33	90.3	360	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	90.3	360	ug/Kg
98-86-2	Acetophenone	46	J	42	90.3	360	ug/Kg
106-44-5	4-Methylphenol	35	U	35	90.3	360	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	32	U	32	46.5	190	ug/Kg
67-72-1	Hexachloroethane	25	U	25	46.5	190	ug/Kg
98-95-3	Nitrobenzene	39	U	39	46.5	190	ug/Kg
78-59-1	Isophorone	37	U	37	46.5	190	ug/Kg
88-75-5	2-Nitrophenol	35	U	35	46.5	190	ug/Kg
105-67-9	2,4-Dimethylphenol	31	U	31	46.5	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	42	U	42	46.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	43	U	43	46.5	190	ug/Kg
91-20-3	Naphthalene	37	U	37	46.5	190	ug/Kg
106-47-8	4-Chloroaniline	47	U	47	46.5	360	ug/Kg
87-68-3	Hexachlorobutadiene	37	U	37	46.5	190	ug/Kg
105-60-2	Caprolactam	130	U	130	90.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	31	U	31	46.5	190	ug/Kg
90-12-0	1-Methylnaphthalene	45	U	45	46.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	40	U	40	46.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	86	U	86	90.3	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	47	U	47	46.5	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46	U	46	46.5	190	ug/Kg
92-52-4	1,1-Biphenyl	53	U	53	46.5	190	ug/Kg
91-58-7	2-Chloronaphthalene	49	U	49	46.5	190	ug/Kg
88-74-4	2-Nitroaniline	24	U	24	46.5	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0765	SDG No.:	BM032124
Lab Sample ID:	P1760-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	8.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044684.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	46	U	46	46.5	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	23	U	23	46.5	190	ug/Kg
208-96-8	Acenaphthylene	47	U	47	46.5	190	ug/Kg
99-09-2	3-Nitroaniline	22	U	22	90.3	360	ug/Kg
83-32-9	Acenaphthene	45	U	45	46.5	190	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	90.3	360	ug/Kg
100-02-7	4-Nitrophenol	45	U	45	90.3	360	ug/Kg
132-64-9	Dibenzofuran	50	U	50	46.5	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	46.5	190	ug/Kg
84-66-2	Diethylphthalate	66	U	66	46.5	190	ug/Kg
86-73-7	Fluorene	49	U	49	46.5	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	51	U	51	46.5	190	ug/Kg
100-01-6	4-Nitroaniline	46	U	46	90.3	360	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	90.3	360	ug/Kg
86-30-6	N-Nitrosodiphenylamine	46	U	46	46.5	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56	U	56	46.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49	U	49	46.5	190	ug/Kg
118-74-1	Hexachlorobenzene	55	U	55	46.5	190	ug/Kg
1912-24-9	Atrazine	43	U	43	90.3	360	ug/Kg
87-86-5	Pentachlorophenol	95	U	95	90.3	360	ug/Kg
85-01-8	Phenanthrene	48	U	48	46.5	190	ug/Kg
608-93-5	Pentachlorobenzene	56	U	56	46.5	190	ug/Kg
120-12-7	Anthracene	47	U	47	46.5	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	36	U	36	46.5	190	ug/Kg
86-74-8	Carbazole	49	U	49	90.3	360	ug/Kg
84-74-2	Di-n-butylphthalate	46	U	46	46.5	190	ug/Kg
206-44-0	Fluoranthene	48	U	48	90.3	190	ug/Kg
129-00-0	Pyrene	48	U	48	46.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	35	U	35	46.5	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	25	U	25	90.3	360	ug/Kg
56-55-3	Benzo(a)anthracene	43	U	43	46.5	190	ug/Kg
218-01-9	Chrysene	49	U	49	46.5	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	48	U	48	46.5	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0765	SDG No.:	BM032124
Lab Sample ID:	P1760-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	8.9
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044684.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	37	U	37	90.3	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	46	U	46	46.5	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	49	U	49	46.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	46	U	46	46.5	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	40	U	40	46.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	40	U	40	46.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	38	U	38	46.5	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	40	U	40	46.5	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.326		15-120		42	SPK: -8
7291-22-7	Pyridine-d5	8.919		20-120		22	SPK: -40
4165-62-2	Phenol-d5	16.445		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	18.116		10-150		45	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.934		15-120		45	SPK: -40
190780-66-6	4-Methylphenol-d8	15.215		10-140		38	SPK: -40
4165-60-0	Nitrobenzene-d5	19.521		10-135		49	SPK: -40
93951-78-1	2-Nitrophenol-d4	18.543		10-120		46	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.112		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	12.238		1-145		31	SPK: -40
85448-30-2	Dimethylphthalate-d6	18.683		10-145		47	SPK: -40
93951-97-4	Acenaphthylene-d8	19.082		15-120		48	SPK: -40
93951-79-2	4-Nitrophenol-d4	10.994		10-150		27	SPK: -40
81103-79-9	Fluorene-d10	19.542		20-140		49	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	9.315		10-130		23	SPK: -40
1719-06-8	Anthracene-d10	20.069		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	21.495		10-130		54	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.086		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	143522	7.693				
1146-65-2	Naphthalene-d8	551475	10.469				
15067-26-2	Acenaphthene-d10	300049	14.339				
1517-22-2	Phenanthrene-d10	565654	17.092				



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Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0765	SDG No.:	BM032124
Lab Sample ID:	P1760-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	8.9
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
BM044684.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	482221	21.292				
1520-96-3	Perylene-d12	570547	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	86	J			17.998	
E966796	Total Alkanes	53	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0766	SDG No.:	BM032124
Lab Sample ID:	P1760-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	4.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044685.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	14	U	14	6.9	70	ug/Kg
100-52-7	Benzaldehyde	78	U	78	86.1	340	ug/Kg
110-86-1	Pyridine	45	U	45	170	340	ug/Kg
108-95-2	Phenol	37	U	37	86.1	340	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	86.1	340	ug/Kg
95-57-8	2-Chlorophenol	29	U	29	44.4	180	ug/Kg
95-48-7	2-Methylphenol	31	U	31	86.1	340	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	28	U	28	86.1	340	ug/Kg
98-86-2	Acetophenone	40	U	40	86.1	340	ug/Kg
106-44-5	4-Methylphenol	33	U	33	86.1	340	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	30	U	30	44.4	180	ug/Kg
67-72-1	Hexachloroethane	24	U	24	44.4	180	ug/Kg
98-95-3	Nitrobenzene	38	U	38	44.4	180	ug/Kg
78-59-1	Isophorone	35	U	35	44.4	180	ug/Kg
88-75-5	2-Nitrophenol	33	U	33	44.4	180	ug/Kg
105-67-9	2,4-Dimethylphenol	29	U	29	44.4	180	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	40	U	40	44.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	41	U	41	44.4	180	ug/Kg
91-20-3	Naphthalene	35	U	35	44.4	180	ug/Kg
106-47-8	4-Chloroaniline	45	U	45	44.4	340	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	44.4	180	ug/Kg
105-60-2	Caprolactam	130	U	130	86.1	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	29	U	29	44.4	180	ug/Kg
90-12-0	1-Methylnaphthalene	43	U	43	44.4	180	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	44.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	82	U	82	86.1	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45	U	45	44.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	44	U	44	44.4	180	ug/Kg
92-52-4	1,1-Biphenyl	50	U	50	44.4	180	ug/Kg
91-58-7	2-Chloronaphthalene	47	U	47	44.4	180	ug/Kg
88-74-4	2-Nitroaniline	23	U	23	44.4	180	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0766	SDG No.:	BM032124
Lab Sample ID:	P1760-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	4.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044685.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	44	U	44	44.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	22	U	22	44.4	180	ug/Kg
208-96-8	Acenaphthylene	45	U	45	44.4	180	ug/Kg
99-09-2	3-Nitroaniline	21	U	21	86.1	340	ug/Kg
83-32-9	Acenaphthene	43	U	43	44.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	86.1	340	ug/Kg
100-02-7	4-Nitrophenol	43	U	43	86.1	340	ug/Kg
132-64-9	Dibenzofuran	48	U	48	44.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	28	U	28	44.4	180	ug/Kg
84-66-2	Diethylphthalate	63	U	63	44.4	180	ug/Kg
86-73-7	Fluorene	47	U	47	44.4	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	49	U	49	44.4	180	ug/Kg
100-01-6	4-Nitroaniline	44	U	44	86.1	340	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	17	U	17	86.1	340	ug/Kg
86-30-6	N-Nitrosodiphenylamine	44	U	44	44.4	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	53	44.4	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	47	U	47	44.4	180	ug/Kg
118-74-1	Hexachlorobenzene	52	U	52	44.4	180	ug/Kg
1912-24-9	Atrazine	41	U	41	86.1	340	ug/Kg
87-86-5	Pentachlorophenol	91	U	91	86.1	340	ug/Kg
85-01-8	Phenanthrene	46	U	46	44.4	180	ug/Kg
608-93-5	Pentachlorobenzene	53	U	53	44.4	180	ug/Kg
120-12-7	Anthracene	45	U	45	44.4	180	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	34	U	34	44.4	180	ug/Kg
86-74-8	Carbazole	47	U	47	86.1	340	ug/Kg
84-74-2	Di-n-butylphthalate	44	U	44	44.4	180	ug/Kg
206-44-0	Fluoranthene	46	U	46	86.1	180	ug/Kg
129-00-0	Pyrene	46	U	46	44.4	180	ug/Kg
85-68-7	Butylbenzylphthalate	33	U	33	44.4	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	24	U	24	86.1	340	ug/Kg
56-55-3	Benzo(a)anthracene	41	U	41	44.4	180	ug/Kg
218-01-9	Chrysene	47	U	47	44.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	46	U	46	44.4	180	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0766	SDG No.:	BM032124
Lab Sample ID:	P1760-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	4.2
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044685.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	35	U	35	86.1	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	44	U	44	44.4	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	47	U	47	44.4	180	ug/Kg
50-32-8	Benzo(a)pyrene	44	U	44	44.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	39	U	39	44.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	39	U	39	44.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	37	U	37	44.4	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	39	U	39	44.4	180	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.267		15-120		66	SPK: -8
7291-22-7	Pyridine-d5	24.576		20-120		61	SPK: -40
4165-62-2	Phenol-d5	25.45		10-130		64	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.579		10-150		69	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.374		15-120		68	SPK: -40
190780-66-6	4-Methylphenol-d8	24.617		10-140		62	SPK: -40
4165-60-0	Nitrobenzene-d5	30.472		10-135		76	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.233		10-120		76	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.949		10-140		75	SPK: -40
191656-33-4	4-Chloroaniline-d4	26.941		1-145		67	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.544		10-145		79	SPK: -40
93951-97-4	Acenaphthylene-d8	32.208		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.871		10-150		57	SPK: -40
81103-79-9	Fluorene-d10	32.839		20-140		82	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	22.219		10-130		56	SPK: -40
1719-06-8	Anthracene-d10	34.433		10-150		86	SPK: -40
1718-52-1	Pyrene-d10	34.64		10-130		87	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.639		10-140		87	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146682	7.693				
1146-65-2	Naphthalene-d8	563840	10.469				
15067-26-2	Acenaphthene-d10	307908	14.339				
1517-22-2	Phenanthrene-d10	589862	17.092				



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Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0766	SDG No.:	BM032124
Lab Sample ID:	P1760-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	4.2
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
BM044685.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	509943	21.292				
1520-96-3	Perylene-d12	609617	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	130	J			18.004	
	(DEL) Alkane: Cyclic21.021	140	J			21.021	
007683-64-9	Supraene	81	J			22.497	
E966796	Total Alkanes	140				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0767	SDG No.:	BM032124
Lab Sample ID:	P1760-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	3.3
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
BM044686.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	13	U	13	6.8	69	ug/Kg
100-52-7	Benzaldehyde	77	U	77	85	340	ug/Kg
110-86-1	Pyridine	44	U	44	170	340	ug/Kg
108-95-2	Phenol	36	U	36	85	340	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	85	340	ug/Kg
95-57-8	2-Chlorophenol	29	U	29	43.8	180	ug/Kg
95-48-7	2-Methylphenol	31	U	31	85	340	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	28	U	28	85	340	ug/Kg
98-86-2	Acetophenone	39	U	39	85	340	ug/Kg
106-44-5	4-Methylphenol	33	U	33	85	340	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	30	U	30	43.8	180	ug/Kg
67-72-1	Hexachloroethane	24	U	24	43.8	180	ug/Kg
98-95-3	Nitrobenzene	37	U	37	43.8	180	ug/Kg
78-59-1	Isophorone	35	U	35	43.8	180	ug/Kg
88-75-5	2-Nitrophenol	33	U	33	43.8	180	ug/Kg
105-67-9	2,4-Dimethylphenol	29	U	29	43.8	180	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	39	U	39	43.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	40	U	40	43.8	180	ug/Kg
91-20-3	Naphthalene	35	U	35	43.8	180	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	43.8	340	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	43.8	180	ug/Kg
105-60-2	Caprolactam	120	U	120	85	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	29	U	29	43.8	180	ug/Kg
90-12-0	1-Methylnaphthalene	42	U	42	43.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	38	U	38	43.8	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	81	U	81	85	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44	U	44	43.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	43	U	43	43.8	180	ug/Kg
92-52-4	1,1-Biphenyl	49	U	49	43.8	180	ug/Kg
91-58-7	2-Chloronaphthalene	46	U	46	43.8	180	ug/Kg
88-74-4	2-Nitroaniline	23	U	23	43.8	180	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0767	SDG No.:	BM032124
Lab Sample ID:	P1760-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	3.3
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
BM044686.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	43	U	43	43.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	22	U	22	43.8	180	ug/Kg
208-96-8	Acenaphthylene	44	U	44	43.8	180	ug/Kg
99-09-2	3-Nitroaniline	21	U	21	85	340	ug/Kg
83-32-9	Acenaphthene	42	U	42	43.8	180	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	85	340	ug/Kg
100-02-7	4-Nitrophenol	42	U	42	85	340	ug/Kg
132-64-9	Dibenzofuran	47	U	47	43.8	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	28	U	28	43.8	180	ug/Kg
84-66-2	Diethylphthalate	62	U	62	43.8	180	ug/Kg
86-73-7	Fluorene	46	U	46	43.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	48	U	48	43.8	180	ug/Kg
100-01-6	4-Nitroaniline	43	U	43	85	340	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	16	U	16	85	340	ug/Kg
86-30-6	N-Nitrosodiphenylamine	43	U	43	43.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53	U	53	43.8	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	46	U	46	43.8	180	ug/Kg
118-74-1	Hexachlorobenzene	52	U	52	43.8	180	ug/Kg
1912-24-9	Atrazine	40	U	40	85	340	ug/Kg
87-86-5	Pentachlorophenol	90	U	90	85	340	ug/Kg
85-01-8	Phenanthrene	45	U	45	43.8	180	ug/Kg
608-93-5	Pentachlorobenzene	53	U	53	43.8	180	ug/Kg
120-12-7	Anthracene	44	U	44	43.8	180	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	34	U	34	43.8	180	ug/Kg
86-74-8	Carbazole	46	U	46	85	340	ug/Kg
84-74-2	Di-n-butylphthalate	43	U	43	43.8	180	ug/Kg
206-44-0	Fluoranthene	45	U	45	85	180	ug/Kg
129-00-0	Pyrene	45	U	45	43.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	33	U	33	43.8	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	24	U	24	85	340	ug/Kg
56-55-3	Benzo(a)anthracene	40	U	40	43.8	180	ug/Kg
218-01-9	Chrysene	46	U	46	43.8	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	45	U	45	43.8	180	ug/Kg

Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0767	SDG No.:	BM032124
Lab Sample ID:	P1760-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	3.3
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
BM044686.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	35	U	35	85	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	43	U	43	43.8	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	46	U	46	43.8	180	ug/Kg
50-32-8	Benzo(a)pyrene	43	U	43	43.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	38	U	38	43.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	38	U	38	43.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	36	U	36	43.8	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	38	U	38	43.8	180	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.763		15-120		60	SPK: -8
7291-22-7	Pyridine-d5	21.272		20-120		53	SPK: -40
4165-62-2	Phenol-d5	23.7		10-130		59	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.992		10-150		65	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.367		15-120		63	SPK: -40
190780-66-6	4-Methylphenol-d8	23.621		10-140		59	SPK: -40
4165-60-0	Nitrobenzene-d5	28.592		10-135		71	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.12		10-120		70	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.871		10-140		70	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.26		1-145		63	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.084		10-145		73	SPK: -40
93951-97-4	Acenaphthylene-d8	29.47		15-120		74	SPK: -40
93951-79-2	4-Nitrophenol-d4	20.832		10-150		52	SPK: -40
81103-79-9	Fluorene-d10	29.989		20-140		75	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.095		10-130		53	SPK: -40
1719-06-8	Anthracene-d10	31.787		10-150		79	SPK: -40
1718-52-1	Pyrene-d10	32.927		10-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.359		10-140		81	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145500	7.693				
1146-65-2	Naphthalene-d8	573172	10.469				
15067-26-2	Acenaphthene-d10	324185	14.334				
1517-22-2	Phenanthrene-d10	613184	17.092				



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Report of Analysis

Client:		Date Collected:	3/16/2024 12:00:00 AM
Project:		Date Received:	3/16/2024 12:00:00 AM
Client Sample ID:	E0767	SDG No.:	BM032124
Lab Sample ID:	P1760-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	3.3
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
BM044686.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	515514	21.292				
1520-96-3	Perylene-d12	605904	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	120	J			17.998	
000112-80-1	Oleic Acid	100	J			19.169	
	(DEL) Alkane: Straight-Chain	21.021	J			21.021	
E966796	Total Alkanes	120				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773	SDG No.:	BM032124
Lab Sample ID:	P1760-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
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
BM044687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.9	79	ug/Kg
100-52-7	Benzaldehyde	89	U	89	98.2	390	ug/Kg
110-86-1	Pyridine	51	U	51	200	390	ug/Kg
108-95-2	Phenol	42	U	42	98.2	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	98.2	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	50.6	200	ug/Kg
95-48-7	2-Methylphenol	36	U	36	98.2	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	98.2	390	ug/Kg
98-86-2	Acetophenone	45	U	45	98.2	390	ug/Kg
106-44-5	4-Methylphenol	38	U	38	98.2	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	50.6	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	50.6	200	ug/Kg
98-95-3	Nitrobenzene	43	U	43	50.6	200	ug/Kg
78-59-1	Isophorone	40	U	40	50.6	200	ug/Kg
88-75-5	2-Nitrophenol	38	U	38	50.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	50.6	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	50.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	50.6	200	ug/Kg
91-20-3	Naphthalene	40	U	40	50.6	200	ug/Kg
106-47-8	4-Chloroaniline	51	U	51	50.6	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	50.6	200	ug/Kg
105-60-2	Caprolactam	140	U	140	98.2	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	50.6	200	ug/Kg
90-12-0	1-Methylnaphthalene	49	U	49	50.6	200	ug/Kg
91-57-6	2-Methylnaphthalene	44	U	44	50.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	94	U	94	98.2	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	50.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50	U	50	50.6	200	ug/Kg
92-52-4	1,1-Biphenyl	57	U	57	50.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	54	U	54	50.6	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	50.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773	SDG No.:	BM032124
Lab Sample ID:	P1760-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
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
BM044687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	50	U	50	50.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	50.6	200	ug/Kg
208-96-8	Acenaphthylene	51	U	51	50.6	200	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	98.2	390	ug/Kg
83-32-9	Acenaphthene	49	U	49	50.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	98.2	390	ug/Kg
100-02-7	4-Nitrophenol	49	U	49	98.2	390	ug/Kg
132-64-9	Dibenzofuran	55	U	55	50.6	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	50.6	200	ug/Kg
84-66-2	Diethylphthalate	71	U	71	50.6	200	ug/Kg
86-73-7	Fluorene	54	U	54	50.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56	U	56	50.6	200	ug/Kg
100-01-6	4-Nitroaniline	50	U	50	98.2	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	98.2	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	50	U	50	50.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	61	50.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54	U	54	50.6	200	ug/Kg
118-74-1	Hexachlorobenzene	60	U	60	50.6	200	ug/Kg
1912-24-9	Atrazine	46	U	46	98.2	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	98.2	390	ug/Kg
85-01-8	Phenanthrene	52	U	52	50.6	200	ug/Kg
608-93-5	Pentachlorobenzene	61	U	61	50.6	200	ug/Kg
120-12-7	Anthracene	51	U	51	50.6	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	50.6	200	ug/Kg
86-74-8	Carbazole	54	U	54	98.2	390	ug/Kg
84-74-2	Di-n-butylphthalate	50	U	50	50.6	200	ug/Kg
206-44-0	Fluoranthene	67	J	52	98.2	200	ug/Kg
129-00-0	Pyrene	55	J	52	50.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	38	U	38	50.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	98.2	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	50.6	200	ug/Kg
218-01-9	Chrysene	54	U	54	50.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	52	U	52	50.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773	SDG No.:	BM032124
Lab Sample ID:	P1760-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
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
BM044687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	40	U	40	98.2	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	50.6	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	54	U	54	50.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	50.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	42	U	42	50.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50.6	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.097		15-120		64	SPK: -8
7291-22-7	Pyridine-d5	24.757		20-120		62	SPK: -40
4165-62-2	Phenol-d5	26.527		10-130		66	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.601		10-150		72	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.176		15-120		70	SPK: -40
190780-66-6	4-Methylphenol-d8	26.04		10-140		65	SPK: -40
4165-60-0	Nitrobenzene-d5	31.82		10-135		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.534		10-120		79	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.664		10-140		77	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.751		1-145		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.093		10-145		83	SPK: -40
93951-97-4	Acenaphthylene-d8	33.153		15-120		83	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.594		10-150		64	SPK: -40
81103-79-9	Fluorene-d10	34.128		20-140		85	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.227		10-130		66	SPK: -40
1719-06-8	Anthracene-d10	34.818		10-150		87	SPK: -40
1718-52-1	Pyrene-d10	36.749		10-130		92	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.847		10-140		92	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	151821	7.692				
1146-65-2	Naphthalene-d8	600877	10.469				
15067-26-2	Acenaphthene-d10	339546	14.339				
1517-22-2	Phenanthrene-d10	649922	17.092				



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Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773	SDG No.:	BM032124
Lab Sample ID:	P1760-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
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
BM044687.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	551713	21.292				
1520-96-3	Perylene-d12	642929	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	230	J			18.004	
	(DEL) Alkane: Straight-Chain	200	J			21.021	
E966796	Total Alkanes	200				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MS	SDG No.:	BM032124
Lab Sample ID:	P1760-06MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.05 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
BM044688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	620		15	7.8	79	ug/Kg
100-52-7	Benzaldehyde	1500		89	98.1	390	ug/Kg
110-86-1	Pyridine	1400		51	200	390	ug/Kg
108-95-2	Phenol	1500		42	98.1	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1500		40	98.1	390	ug/Kg
95-57-8	2-Chlorophenol	1600		33	50.5	200	ug/Kg
95-48-7	2-Methylphenol	1400		36	98.1	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		32	98.1	390	ug/Kg
98-86-2	Acetophenone	1500		45	98.1	390	ug/Kg
106-44-5	4-Methylphenol	1400		38	98.1	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1500		34	50.5	200	ug/Kg
67-72-1	Hexachloroethane	1700		27	50.5	200	ug/Kg
98-95-3	Nitrobenzene	1800		43	50.5	200	ug/Kg
78-59-1	Isophorone	1600		40	50.5	200	ug/Kg
88-75-5	2-Nitrophenol	1700		38	50.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		33	50.5	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1600		45	50.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		46	50.5	200	ug/Kg
91-20-3	Naphthalene	1700		40	50.5	200	ug/Kg
106-47-8	4-Chloroaniline	940		51	50.5	390	ug/Kg
87-68-3	Hexachlorobutadiene	1900		40	50.5	200	ug/Kg
105-60-2	Caprolactam	1400		140	98.1	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		33	50.5	200	ug/Kg
90-12-0	1-Methylnaphthalene	1600		49	50.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	1600		44	50.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		94	98.1	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		51	50.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		50	50.5	200	ug/Kg
92-52-4	1,1-Biphenyl	1700		57	50.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	1700		53	50.5	200	ug/Kg
88-74-4	2-Nitroaniline	1700		26	50.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MS	SDG No.:	BM032124
Lab Sample ID:	P1760-06MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.05 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
BM044688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1600		50	50.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		25	50.5	200	ug/Kg
208-96-8	Acenaphthylene	1700		51	50.5	200	ug/Kg
99-09-2	3-Nitroaniline	1500		24	98.1	390	ug/Kg
83-32-9	Acenaphthene	1700		49	50.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		140	98.1	390	ug/Kg
100-02-7	4-Nitrophenol	1600		49	98.1	390	ug/Kg
132-64-9	Dibenzofuran	1700		55	50.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		32	50.5	200	ug/Kg
84-66-2	Diethylphthalate	1600		71	50.5	200	ug/Kg
86-73-7	Fluorene	1700		53	50.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		56	50.5	200	ug/Kg
100-01-6	4-Nitroaniline	1800		50	98.1	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		19	98.1	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1800		50	50.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		61	50.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		53	50.5	200	ug/Kg
118-74-1	Hexachlorobenzene	1900		59	50.5	200	ug/Kg
1912-24-9	Atrazine	740		46	98.1	390	ug/Kg
87-86-5	Pentachlorophenol	1600		100	98.1	390	ug/Kg
85-01-8	Phenanthrene	1800		52	50.5	200	ug/Kg
608-93-5	Pentachlorobenzene	2000		61	50.5	200	ug/Kg
120-12-7	Anthracene	1700		51	50.5	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2100		39	50.5	200	ug/Kg
86-74-8	Carbazole	1700		53	98.1	390	ug/Kg
84-74-2	Di-n-butylphthalate	1700		50	50.5	200	ug/Kg
206-44-0	Fluoranthene	1800		52	98.1	200	ug/Kg
129-00-0	Pyrene	1800		52	50.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	1600		38	50.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1500		27	98.1	390	ug/Kg
56-55-3	Benzo(a)anthracene	1700		46	50.5	200	ug/Kg
218-01-9	Chrysene	1700		53	50.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		52	50.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MS	SDG No.:	BM032124
Lab Sample ID:	P1760-06MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.05 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
BM044688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1500		40	98.1	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		50	50.5	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		53	50.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	1700		50	50.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		44	50.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		44	50.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		42	50.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		44	50.5	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.044		15-120		63	SPK: -8
7291-22-7	Pyridine-d5	24.477		20-120		61	SPK: -40
4165-62-2	Phenol-d5	26.491		10-130		66	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.963		10-150		70	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.075		15-120		70	SPK: -40
190780-66-6	4-Methylphenol-d8	24.992		10-140		62	SPK: -40
4165-60-0	Nitrobenzene-d5	30.805		10-135		77	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.786		10-120		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.147		10-140		80	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.292		1-145		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.072		10-145		73	SPK: -40
93951-97-4	Acenaphthylene-d8	30.477		15-120		76	SPK: -40
93951-79-2	4-Nitrophenol-d4	26.426		10-150		66	SPK: -40
81103-79-9	Fluorene-d10	29.951		20-140		75	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	29.19		10-130		73	SPK: -40
1719-06-8	Anthracene-d10	31.256		10-150		78	SPK: -40
1718-52-1	Pyrene-d10	31.951		10-130		80	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.784		10-140		79	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161008	7.692				
1146-65-2	Naphthalene-d8	642661	10.475				
15067-26-2	Acenaphthene-d10	358000	14.339				
1517-22-2	Phenanthrene-d10	667663	17.092				



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

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MS	SDG No.:	BM032124
Lab Sample ID:	P1760-06MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.05	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
BM044688.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	571907	21.291				
1520-96-3	Perylene-d12	647369	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	57	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MSD	SDG No.:	BM032124
Lab Sample ID:	P1760-07MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.08 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
BM044689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	650		15	7.8	79	ug/Kg
100-52-7	Benzaldehyde	1600		89	98	390	ug/Kg
110-86-1	Pyridine	1500		51	200	390	ug/Kg
108-95-2	Phenol	1600		42	98	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1600		40	98	390	ug/Kg
95-57-8	2-Chlorophenol	1600		33	50.5	200	ug/Kg
95-48-7	2-Methylphenol	1500		36	98	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		32	98	390	ug/Kg
98-86-2	Acetophenone	1500		45	98	390	ug/Kg
106-44-5	4-Methylphenol	1500		38	98	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1500		34	50.5	200	ug/Kg
67-72-1	Hexachloroethane	1700		27	50.5	200	ug/Kg
98-95-3	Nitrobenzene	1900		43	50.5	200	ug/Kg
78-59-1	Isophorone	1700		40	50.5	200	ug/Kg
88-75-5	2-Nitrophenol	1800		38	50.5	200	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		33	50.5	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1700		45	50.5	200	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		46	50.5	200	ug/Kg
91-20-3	Naphthalene	1800		40	50.5	200	ug/Kg
106-47-8	4-Chloroaniline	1000		51	50.5	390	ug/Kg
87-68-3	Hexachlorobutadiene	2000		40	50.5	200	ug/Kg
105-60-2	Caprolactam	1500		140	98	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		33	50.5	200	ug/Kg
90-12-0	1-Methylnaphthalene	1700		49	50.5	200	ug/Kg
91-57-6	2-Methylnaphthalene	1700		44	50.5	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1700		94	98	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		51	50.5	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		50	50.5	200	ug/Kg
92-52-4	1,1-Biphenyl	1800		57	50.5	200	ug/Kg
91-58-7	2-Chloronaphthalene	1800		53	50.5	200	ug/Kg
88-74-4	2-Nitroaniline	1800		26	50.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MSD	SDG No.:	BM032124
Lab Sample ID:	P1760-07MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.08 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
BM044689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1700		50	50.5	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		25	50.5	200	ug/Kg
208-96-8	Acenaphthylene	1800		51	50.5	200	ug/Kg
99-09-2	3-Nitroaniline	1600		24	98	390	ug/Kg
83-32-9	Acenaphthene	1800		49	50.5	200	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		140	98	390	ug/Kg
100-02-7	4-Nitrophenol	1800		49	98	390	ug/Kg
132-64-9	Dibenzofuran	1800		55	50.5	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		32	50.5	200	ug/Kg
84-66-2	Diethylphthalate	1700		71	50.5	200	ug/Kg
86-73-7	Fluorene	1800		53	50.5	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		56	50.5	200	ug/Kg
100-01-6	4-Nitroaniline	1900		50	98	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		19	98	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1900		50	50.5	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1900		61	50.5	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		53	50.5	200	ug/Kg
118-74-1	Hexachlorobenzene	2000		59	50.5	200	ug/Kg
1912-24-9	Atrazine	780		46	98	390	ug/Kg
87-86-5	Pentachlorophenol	1600		100	98	390	ug/Kg
85-01-8	Phenanthrene	1900		52	50.5	200	ug/Kg
608-93-5	Pentachlorobenzene	2100		61	50.5	200	ug/Kg
120-12-7	Anthracene	1800		51	50.5	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	2100		39	50.5	200	ug/Kg
86-74-8	Carbazole	1800		53	98	390	ug/Kg
84-74-2	Di-n-butylphthalate	1800		50	50.5	200	ug/Kg
206-44-0	Fluoranthene	1900		52	98	200	ug/Kg
129-00-0	Pyrene	1900		52	50.5	200	ug/Kg
85-68-7	Butylbenzylphthalate	1700		38	50.5	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		27	98	390	ug/Kg
56-55-3	Benzo(a)anthracene	1800		46	50.5	200	ug/Kg
218-01-9	Chrysene	1800		53	50.5	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		52	50.5	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MSD	SDG No.:	BM032124
Lab Sample ID:	P1760-07MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.08 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
BM044689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1600		40	98	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		50	50.5	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	1800		53	50.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	1800		50	50.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2000		44	50.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2100		44	50.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2000		42	50.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		44	50.5	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.515		15-120		69	SPK: -8
7291-22-7	Pyridine-d5	25.908		20-120		65	SPK: -40
4165-62-2	Phenol-d5	27.552		10-130		69	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.882		10-150		72	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.488		15-120		74	SPK: -40
190780-66-6	4-Methylphenol-d8	26.137		10-140		65	SPK: -40
4165-60-0	Nitrobenzene-d5	32.575		10-135		81	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.279		10-120		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	34.024		10-140		85	SPK: -40
191656-33-4	4-Chloroaniline-d4	24.588		1-145		61	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.4		10-145		76	SPK: -40
93951-97-4	Acenaphthylene-d8	31.902		15-120		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	28.484		10-150		71	SPK: -40
81103-79-9	Fluorene-d10	31.623		20-140		79	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	31.211		10-130		78	SPK: -40
1719-06-8	Anthracene-d10	32.837		10-150		82	SPK: -40
1718-52-1	Pyrene-d10	32.693		10-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.556		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	142588	7.693				
1146-65-2	Naphthalene-d8	559844	10.469				
15067-26-2	Acenaphthene-d10	313361	14.339				
1517-22-2	Phenanthrene-d10	589832	17.092				



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Report of Analysis

Client:		Date Collected:	3/17/2024 12:00:00 AM
Project:		Date Received:	3/17/2024 12:00:00 AM
Client Sample ID:	E0773MSD	SDG No.:	BM032124
Lab Sample ID:	P1760-07MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16
Sample Wt/Vol:	30.08	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
BM044689.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	528184	21.292				
1520-96-3	Perylene-d12	597510	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	57	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS667	SDG No.:	BM032124
Lab Sample ID:	PB159667BS	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
BM044690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	380		13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	910		75	82.5	330	ug/Kg
110-86-1	Pyridine	840		43	170	330	ug/Kg
108-95-2	Phenol	880		35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	890		34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	940		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	860		30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	990		27	82.5	330	ug/Kg
98-86-2	Acetophenone	860		38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	830		32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	870		29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	990		23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1100		36	42.5	170	ug/Kg
78-59-1	Isophorone	950		34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1000		32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	920		28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	960		38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		39	42.5	170	ug/Kg
91-20-3	Naphthalene	1000		34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	610		43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1100		34	42.5	170	ug/Kg
105-60-2	Caprolactam	760		120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	900		28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	950		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	940		37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	990		79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	940		43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		42	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	1000		48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1000		45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	990		22	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS667	SDG No.:	BM032124
Lab Sample ID:	PB159667BS	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
BM044690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	940		42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	920		21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1000		43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	880		20	82.5	330	ug/Kg
83-32-9	Acenaphthene	990		41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	720		120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	920		41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	980		46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	910		27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	910		60	42.5	170	ug/Kg
86-73-7	Fluorene	980		45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1000		42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	970		16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1100		42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1100		50	42.5	170	ug/Kg
1912-24-9	Atrazine	430		39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	890		87	82.5	330	ug/Kg
85-01-8	Phenanthrene	1000		44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1200		51	42.5	170	ug/Kg
120-12-7	Anthracene	1100		43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1200		33	42.5	170	ug/Kg
86-74-8	Carbazole	1000		45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	960		42	42.5	170	ug/Kg
206-44-0	Fluoranthene	1000		44	82.5	170	ug/Kg
129-00-0	Pyrene	1000		44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	890		32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	990		39	42.5	170	ug/Kg
218-01-9	Chrysene	1000		45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	950		44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS667	SDG No.:	BM032124
Lab Sample ID:	PB159667BS	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
BM044690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	860		34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	980		42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1000		42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	860		37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.712		15-120		71	SPK: -8
7291-22-7	Pyridine-d5	27.382		20-120		68	SPK: -40
4165-62-2	Phenol-d5	26.712		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.063		10-150		70	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.542		15-120		71	SPK: -40
190780-66-6	4-Methylphenol-d8	25.185		10-140		63	SPK: -40
4165-60-0	Nitrobenzene-d5	31.139		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.447		10-120		79	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.552		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	25.426		1-145		64	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.419		10-145		71	SPK: -40
93951-97-4	Acenaphthylene-d8	29.825		15-120		75	SPK: -40
93951-79-2	4-Nitrophenol-d4	26.154		10-150		65	SPK: -40
81103-79-9	Fluorene-d10	28.812		20-140		72	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	29.496		10-130		74	SPK: -40
1719-06-8	Anthracene-d10	31.322		10-150		78	SPK: -40
1718-52-1	Pyrene-d10	30.757		10-130		77	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	31.746		10-140		79	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162838	7.692				
1146-65-2	Naphthalene-d8	637708	10.469				
15067-26-2	Acenaphthene-d10	351562	14.339				
1517-22-2	Phenanthrene-d10	640678	17.092				



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Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS667	SDG No.:	BM032124
Lab Sample ID:	PB159667BS	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
BM044690.D	1	3/19/2024 12:00:00 AM	3/20/2024 12:00:00 AM	PB159667

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	557957	21.292				
1520-96-3	Perylene-d12	627540	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BM032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E0764								
P1760-01	E0764	Solid	n-Hexadecanoic acid	*	120.000	J		
P1760-01	E0764	Solid	Nonadecyl heptafluorobutyrate	*	84.000	J		
P1760-01	E0764	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
			Total Tics :			204.00		
P1760-01	E0764	Solid	Acetophenone		65.000	J 45	390	ug/Kg
			Total Svoc :			65.00		
			Total Concentration:			269.00		
Client ID : E0765								
P1760-02	E0765	Solid	n-Hexadecanoic acid	*	86.000	J		
P1760-02	E0765	Solid	Total Alkanes	*	0.000	53	190	ug/Kg
			Total Tics :			86.00		
P1760-02	E0765	Solid	Acetophenone		46.000	J 42	360	ug/Kg
			Total Svoc :			46.00		
			Total Concentration:			132.00		
Client ID : E0766								
P1760-03	E0766	Solid	(DEL) Alkane: Cyclic21.021	*	140.000	J		
P1760-03	E0766	Solid	n-Hexadecanoic acid	*	130.000	J		
P1760-03	E0766	Solid	Supraene	*	81.000	J		
P1760-03	E0766	Solid	Total Alkanes	*	140.000	50	180	ug/Kg
			Total Tics :			491.00		
			Total Concentration:			491.00		
Client ID : E0767								
P1760-04	E0767	Solid	(DEL) Alkane: Straight-Chain21.(	*	120.000	J		
P1760-04	E0767	Solid	n-Hexadecanoic acid	*	120.000	J		
P1760-04	E0767	Solid	Oleic Acid	*	100.000	J		
P1760-04	E0767	Solid	Total Alkanes	*	120.000	49	180	ug/Kg
			Total Tics :			460.00		
			Total Concentration:			460.00		
Client ID : E0773								
P1760-05	E0773	Solid	(DEL) Alkane: Straight-Chain21.(	*	200.000	J		
P1760-05	E0773	Solid	n-Hexadecanoic acid	*	230.000	J		
P1760-05	E0773	Solid	Total Alkanes	*	200.000	57	200	ug/Kg
			Total Tics :			630.00		
P1760-05	E0773	Solid	Fluoranthene		67.000	J 52	200	ug/Kg
P1760-05	E0773	Solid	Pyrene		55.000	J 52	200	ug/Kg
			Total Svoc :			122.00		
			Total Concentration:			752.00		



Hit Summary Sheet
SW-846

SDG No.: BM032124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID:

Calibration Date(s): 3/5/2024 1:

Calibration Time(s): 14:03

LAB FILE ID: RRFAL1 = BM044500.D RRFAL2 = BM044501.D RRFAL3 = BM044502.D								
RRFAL4 = BM044503.D RRFAL5 = BM044504.D RRFAL6 = BM044505.D								
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.590	0.599	0.586	0.645	0.632		0.610	4.3
Benzaldehyde		0.974	1.047	1.029	0.784	0.644	0.896	19.5
Pyridine		1.645	1.680	1.906	1.921	1.849	1.800	7.2
Hexachloroethane	0.591	0.621	0.615	0.686	0.680		0.638	6.6
Nitrobenzene	0.365	0.383	0.382	0.432	0.434		0.399	7.9
Isophorone	0.726	0.777	0.791	0.892	0.889		0.815	9.0
2-Nitrophenol	0.170	0.184	0.192	0.220	0.223		0.198	11.7
2,4-Dimethylphenol	0.316	0.342	0.343	0.402	0.397		0.360	10.5
Bis(2-Chloroethoxy)methane	0.485	0.494	0.493	0.549	0.541		0.512	5.9
2,4-Dichlorophenol	0.274	0.293	0.299	0.339	0.337		0.308	9.3
Naphthalene	1.073	1.096	1.092	1.216	1.186		1.133	5.7
4-Chloroaniline		0.466	0.474	0.539	0.534	0.460	0.495	7.8
Hexachlorobutadiene	0.161	0.170	0.169	0.184	0.181		0.173	5.4
Phenol		1.872	1.919	2.231	2.277	2.194	2.099	9.0
Caprolactam		0.104	0.111	0.127	0.130	0.128	0.120	9.6
4-Chloro-3-methylphenol	0.311	0.335	0.348	0.396	0.399		0.358	10.8
1-Methylnaphthalene	0.691	0.724	0.719	0.799	0.783		0.743	6.1
2-Methylnaphthalene	0.691	0.732	0.731	0.812	0.800		0.753	6.8
Hexachlorocyclopentadiene		0.323	0.383	0.400	0.400	0.383	0.378	8.4
2,4,6-Trichlorophenol	0.352	0.370	0.378	0.449	0.446		0.399	11.3
2,4,5-Trichlorophenol	0.375	0.402	0.401	0.478	0.482		0.427	11.5
1,1-Biphenyl	1.519	1.557	1.500	1.711	1.654		1.588	5.7
2-Chloronaphthalene	1.160	1.217	1.188	1.354	1.313		1.246	6.7
2-Nitroaniline	0.332	0.352	0.366	0.446	0.460		0.391	14.8
Bis(2-Chloroethyl)ether		1.602	1.617	1.839	1.811	1.747	1.723	6.3
Dimethylphthalate	1.497	1.573	1.521	1.727	1.664		1.596	6.1
2,6-Dinitrotoluene	0.272	0.293	0.299	0.361	0.370		0.319	13.7
Acenaphthylene	1.936	2.058	2.003	2.288	2.171		2.091	6.7
3-Nitroaniline		0.289	0.326	0.374	0.373	0.360	0.344	10.7
Acenaphthene	1.305	1.354	1.308	1.479	1.428		1.375	5.6
2,4-Dinitrophenol		0.124	0.180	0.220	0.247	0.250	0.204	25.9
4-Nitrophenol		0.183	0.205	0.249	0.259	0.244	0.228	14.3
Dibenzofuran	1.770	1.836	1.751	1.960	1.827		1.829	4.5
2,4-Dinitrotoluene	0.394	0.428	0.444	0.522	0.514		0.460	12.1
Diethylphthalate	1.560	1.619	1.569	1.801	1.736		1.657	6.4
2-Chlorophenol	1.401	1.455	1.506	1.711	1.719		1.559	9.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID:

Calibration Date(s): 3/5/2024 1:

Calibration Time(s): 14:03

LAB FILE ID:		RRFAL1 = BM044500.D		RRFAL2 = BM044501.D		RRFAL3 = BM044502.D		
		RRFAL4 = BM044503.D		RRFAL5 = BM044504.D		RRFAL6 = BM044505.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.485	1.528	1.440	1.598	1.427		1.496	4.7
4-Chlorophenyl-phenylether	0.696	0.710	0.675	0.738	0.652		0.694	4.7
4-Nitroaniline		0.303	0.335	0.372	0.339	0.296	0.329	9.2
4,6-Dinitro-2-methylphenol		0.111	0.130	0.155	0.156	0.141	0.139	13.5
N-Nitrosodiphenylamine	0.547	0.589	0.587	0.654	0.635		0.602	7.0
1,2,4,5-Tetrachlorobenzene	0.529	0.552	0.537	0.617	0.611		0.569	7.4
4-Bromophenyl-phenylether	0.187	0.190	0.192	0.216	0.215		0.200	7.0
Hexachlorobenzene	0.215	0.221	0.219	0.246	0.239		0.228	6.0
Atrazine		0.197	0.197	0.216	0.200	0.174	0.197	7.6
Pentachlorophenol		0.127	0.139	0.167	0.168	0.151	0.150	11.8
2-Methylphenol		1.401	1.468	1.710	1.719	1.665	1.593	9.3
Phenanthrene	1.067	1.110	1.101	1.224	1.171		1.135	5.5
Pentachlorobenzene	0.242	0.251	0.250	0.279	0.269		0.258	5.9
Anthracene	1.074	1.131	1.121	1.240	1.171		1.147	5.4
1,2,3,4-Tetrachlorobenzene	0.243	0.255	0.257	0.290	0.291		0.267	8.1
Carbazole		1.064	1.065	1.187	1.129	0.947	1.078	8.3
Di-n-butylphthalate	1.401	1.393	1.399	1.565	1.493		1.450	5.3
Fluoranthene	1.369	1.332	1.379	1.594	1.629		1.461	9.5
Pyrene	1.452	1.436	1.441	1.647	1.628		1.521	7.0
Butylbenzylphthalate	0.691	0.679	0.692	0.829	0.848		0.748	11.1
3,3-Dichlorobenzidine		0.463	0.459	0.501	0.419	0.321	0.433	15.9
2,2-oxybis (1-Chloropropane)		2.115	2.154	2.443	2.368	2.297	2.276	6.1
Benzo (a) anthracene	1.403	1.469	1.467	1.615	1.555		1.502	5.5
Chrysene	1.298	1.376	1.354	1.498	1.427		1.391	5.5
Bis (2-ethylhexyl) phthalate	1.123	1.042	1.063	1.168	1.056		1.090	4.9
Di-n-octyl phthalate		1.523	1.662	1.938	2.017	1.810	1.790	11.2
Benzo (b) fluoranthene	1.240	1.295	1.267	1.439	1.450		1.338	7.4
Benzo (k) fluoranthene	1.211	1.207	1.321	1.430	1.385		1.311	7.7
Benzo (a) pyrene	1.163	1.205	1.213	1.363	1.315		1.252	6.7
Indeno (1,2,3-cd) pyrene	1.313	1.397	1.398	1.531	1.382		1.404	5.6
Dibenzo (a,h) anthracene	1.092	1.160	1.170	1.287	1.145		1.171	6.1
Benzo (g,h,i) perylene	1.054	1.117	1.117	1.209	1.106		1.121	5.0
Acetophenone		2.368	2.457	2.761	2.606	2.330	2.505	7.1
2,3,4,6-Tetrachlorophenol	0.325	0.332	0.332	0.390	0.390		0.354	9.3
1,4-Dioxane-d8	0.576	0.589	0.548	0.625	0.610		0.590	5.0
Pyridine-d5		1.519	1.613	1.859	1.869	1.818	1.736	9.2

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM030524

SAS No.: BM030524

SDG No.: BM030524

Instrument ID: _____

Calibration Date(s): 3/5/2024 1: _____

Calibration Time(s): 14:03 _____

LAB FILE ID:		RRFAL1 = BM044500.D			RRFAL2 = BM044501.D		RRFAL3 = BM044502.D	
		RRFAL4 = BM044503.D			RRFAL5 = BM044504.D		RRFAL6 = BM044505.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.796	1.883	2.176	2.219	2.207	2.056	9.8
Bis-(2-Chloroethyl)ether-d8		1.173	1.208	1.358	1.330	1.281	1.270	6.2
2-Chlorophenol-d4	1.334	1.404	1.447	1.675	1.696		1.511	10.9
4-Methylphenol-d8		1.402	1.474	1.738	1.754	1.707	1.615	10.2
Nitrobenzene-d5	0.145	0.157	0.162	0.188	0.190		0.168	11.8
2-Nitrophenol-d4	0.150	0.166	0.175	0.205	0.212		0.182	14.6
2,4-Dichlorophenol-d3	0.269	0.288	0.302	0.341	0.344		0.309	10.6
4-Chloroaniline-d4		0.485	0.487	0.557	0.550	0.487	0.513	7.2
4-Methylphenol		1.538	1.599	1.868	1.865	1.798	1.734	8.9
Dimethylphthalate-d6	1.473	1.526	1.490	1.703	1.652		1.569	6.5
Acenaphthylene-d8	1.625	1.717	1.722	1.976	1.932		1.794	8.4
4-Nitrophenol-d4		0.259	0.295	0.361	0.370	0.341	0.325	14.4
Fluorene-d10	1.251	1.300	1.249	1.430	1.362		1.318	5.9
4,6-Dinitro-2-methylphenol-		0.102	0.119	0.144	0.148	0.136	0.130	14.8
Anthracene-d10	0.890	0.931	0.929	1.041	0.989		0.956	6.2
Pyrene-d10	1.152	1.136	1.170	1.337	1.338		1.227	8.3
Benzo(a)pyrene-d12	0.966	0.999	1.013	1.140	1.138		1.051	7.8
N-Nitroso-di-n-propylamine	1.152	1.245	1.262	1.448	1.364		1.294	8.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG NO.: BM032124EPA Sample No.: SSTD020022 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BM044502.D Time Analyzed: 14:17Instrument 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	270713	7.734	1.24463e+01	10.52	775776	14.37
UPPER LIMIT	541426	8.234	2489260	11.016	1551552	14.868
LOWER LIMIT	135356.5	7.234	622315	10.016	387888	13.868
EPA SAMPLE NO.						
01 SBLK667	164847	7.69	635941	10.47	354322 *	14.34
02 E0764	123114 *	7.69	466360 *	10.47	250311 *	14.34
03 E0765	143522	7.69	551475 *	10.47	300049 *	14.34
04 E0766	146682	7.69	563840 *	10.47	307908 *	14.34
05 E0767	145500	7.69	573172 *	10.47	324185 *	14.33
06 E0773	151821	7.69	600877 *	10.47	339546 *	14.34
07 E0773MS	161008	7.69	642661	10.48	358000 *	14.34
08 E0773MSD	142588	7.69	559844 *	10.47	313361 *	14.34
09 SLCS667	162838	7.69	637708	10.47	351562 *	14.34

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG NO.: BM032124EPA Sample No.: SSTD020078 Date Analyzed: Mar 20 2024 12:00AMLab File ID: BM044681.D Time Analyzed: 14:17Instrument 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	177197	7.692	708452	10.48	414452	14.34
UPPER LIMIT	354394	8.192	1416904	10.975	828904	14.839
LOWER LIMIT	88598.5	7.192	354226	9.975	207226	13.839
EPA SAMPLE NO.						
01 SBLK667	164847	7.69	635941	10.47	354322	14.34
02 E0764	123114	7.69	466360	10.47	250311	14.34
03 E0765	143522	7.69	551475	10.47	300049	14.34
04 E0766	146682	7.69	563840	10.47	307908	14.34
05 E0767	145500	7.69	573172	10.47	324185	14.33
06 E0773	151821	7.69	600877	10.47	339546	14.34
07 E0773MS	161008	7.69	642661	10.48	358000	14.34
08 E0773MSD	142588	7.69	559844	10.47	313361	14.34
09 SLCS667	162838	7.69	637708	10.47	351562	14.34

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG NO.: BM032124

EPA Sample No.: SSTD020022 Date Analyzed: Mar 20 2024 12:00AM

Lab File ID: BM044502.D Time Analyzed: 14:17

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	1.59626e+0	17.121	1.4675e+0	21.309	1.6044e+00	23.562
UPPER LIMIT	3192520	17.621	2935000	21.809	3208800	24.062
LOWER LIMIT	798130	16.621	733750	20.809	802200	23.062
EPA SAMPLE NO.						
01 SBLK667	686740 *	17.09	570334 *	21.29	700713 *	23.54
02 E0764	478606 *	17.09	413940 *	21.29	506544 *	23.54
03 E0765	565654 *	17.09	482221 *	21.29	570547 *	23.54
04 E0766	589862 *	17.09	509943 *	21.29	609617 *	23.54
05 E0767	613184 *	17.09	515514 *	21.29	605904 *	23.54
06 E0773	649922 *	17.09	551713 *	21.29	642929 *	23.54
07 E0773MS	667663 *	17.09	571907 *	21.29	647369 *	23.54
08 E0773MSD	589832 *	17.09	528184 *	21.29	597510 *	23.54
09 SLCS667	640678 *	17.09	557957 *	21.29	627540 *	23.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032124 SAS No.: BM032124 SDG NO.: BM032124

EPA Sample No.: SSTD020078 Date Analyzed: Mar 20 2024 12:00AM

Lab File ID: BM044681.D Time Analyzed: 14:17

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	782171	17.092	698225	21.292	824200	23.538
UPPER LIMIT	1564342	17.592	1396450	21.792	1648400	24.038
LOWER LIMIT	391085.5	16.592	349112.5	20.792	412100	23.038
EPA SAMPLE NO.						
01 SBLK667	686740	17.09	570334	21.29	700713	23.54
02 E0764	478606	17.09	413940	21.29	506544	23.54
03 E0765	565654	17.09	482221	21.29	570547	23.54
04 E0766	589862	17.09	509943	21.29	609617	23.54
05 E0767	613184	17.09	515514	21.29	605904	23.54
06 E0773	649922	17.09	551713	21.29	642929	23.54
07 E0773MS	667663	17.09	571907	21.29	647369	23.54
08 E0773MSD	589832	17.09	528184	21.29	597510	23.54
09 SLCS667	640678	17.09	557957	21.29	627540	23.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



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

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159667BS	1,4-Dioxane	530	380	ug/Kg	72				0	0		
	Benzaldehyde	1300	910	ug/Kg	70				0	0		
	Pyridine	1300	840	ug/Kg	65				0	0		
	Phenol	1300	880	ug/Kg	68				0	0		
	Bis(2-chloroethyl)ether	1300	890	ug/Kg	68				0	0		
	2-Chlorophenol	1300	940	ug/Kg	72				0	0		
	2-Methylphenol	1300	860	ug/Kg	66				0	0		
	2,2-oxybis(1-Chloropropane)	1300	990	ug/Kg	76				0	0		
	Acetophenone	1300	860	ug/Kg	66				0	0		
	4-Methylphenol	1300	830	ug/Kg	64				0	0		
	N-Nitroso-di-n-propylamine	1300	870	ug/Kg	67				0	0		
	Hexachloroethane	1300	990	ug/Kg	76				0	0		
	Nitrobenzene	1300	1100	ug/Kg	85				0	0		
	Isophorone	1300	950	ug/Kg	73				0	0		
	2-Nitrophenol	1300	1000	ug/Kg	77				0	0		
	2,4-Dimethylphenol	1300	920	ug/Kg	71				0	0		
	Bis(2-chloroethoxy)methane	1300	960	ug/Kg	74				0	0		
	2,4-Dichlorophenol	1300	1000	ug/Kg	77				0	0		
	Naphthalene	1300	1000	ug/Kg	77				0	0		
	4-Chloroaniline	1300	610	ug/Kg	47				0	0		
	Hexachlorobutadiene	1300	1100	ug/Kg	85				0	0		
	Caprolactam	1300	760	ug/Kg	58				0	0		
	4-Chloro-3-methylphenol	1300	900	ug/Kg	69				0	0		
	1-Methylnaphthalene	1300	950	ug/Kg	73				0	0		
	2-Methylnaphthalene	1300	940	ug/Kg	72				0	0		
	Hexachlorocyclopentadiene	1300	990	ug/Kg	76				0	0		
	2,4,6-Trichlorophenol	1300	940	ug/Kg	72				0	0		
	2,4,5-Trichlorophenol	1300	960	ug/Kg	74				0	0		
	1,1'-Biphenyl	1300	1000	ug/Kg	77				0	0		
	2-Chloronaphthalene	1300	1000	ug/Kg	77				0	0		
	2-Nitroaniline	1300	990	ug/Kg	76				0	0		
	Dimethylphthalate	1300	940	ug/Kg	72				0	0		
	2,6-Dinitrotoluene	1300	920	ug/Kg	71				0	0		
	Acenaphthylene	1300	1000	ug/Kg	77				0	0		
	3-Nitroaniline	1300	880	ug/Kg	68				0	0		
	Acenaphthene	1300	990	ug/Kg	76				0	0		
	2,4-Dinitrophenol	1300	720	ug/Kg	55				0	0		
	4-Nitrophenol	1300	920	ug/Kg	71				0	0		
	Dibenzofuran	1300	980	ug/Kg	75				0	0		
	2,4-Dinitrotoluene	1300	910	ug/Kg	70				0	0		
	Diethylphthalate	1300	910	ug/Kg	70				0	0		
	Fluorene	1300	980	ug/Kg	75				0	0		
	4-Chlorophenyl-phenylether	1300	1000	ug/Kg	77				0	0		
	4-Nitroaniline	1300	1000	ug/Kg	77				0	0		
	4,6-Dinitro-2-methylphenol	1300	970	ug/Kg	75				0	0		
	N-Nitrosodiphenylamine	1300	1100	ug/Kg	85				0	0		



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

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159667BS	1,2,4,5-Tetrachlorobenzene	1300	1100	ug/Kg	85				0	0	
	4-Bromophenyl-phenylether	1300	1100	ug/Kg	85				0	0	
	Hexachlorobenzene	1300	1100	ug/Kg	85				0	0	
	Atrazine	1300	430	ug/Kg	33				0	0	
	Pentachlorophenol	1300	890	ug/Kg	68				0	0	
	Phenanthrene	1300	1000	ug/Kg	77				0	0	
	Pentachlorobenzene	1300	1200	ug/Kg	92				0	0	
	Anthracene	1300	1100	ug/Kg	85				0	0	
	1,2,3,4-Tetrachlorobenzene	1300	1200	ug/Kg	92				0	0	
	Carbazole	1300	1000	ug/Kg	77				0	0	
	Di-n-butylphthalate	1300	960	ug/Kg	74				0	0	
	Fluoranthene	1300	1000	ug/Kg	77				0	0	
	Pyrene	1300	1000	ug/Kg	77				0	0	
	Butylbenzylphthalate	1300	890	ug/Kg	68				0	0	
	3,3'-Dichlorobenzidine	1300	1000	ug/Kg	77				0	0	
	Benzo(a)anthracene	1300	990	ug/Kg	76				0	0	
	Chrysene	1300	1000	ug/Kg	77				0	0	
	Bis(2-ethylhexyl)phthalate	1300	950	ug/Kg	73				0	0	
	Di-n-octylphthalate	1300	860	ug/Kg	66				0	0	
	Benzo(b)fluoranthene	1300	980	ug/Kg	75				0	0	
	Benzo(k)fluoranthene	1300	1000	ug/Kg	77				0	0	
	Benzo(a)pyrene	1300	1000	ug/Kg	77				0	0	
	Indeno(1,2,3-cd)pyrene	1300	1100	ug/Kg	85				0	0	
	Dibenzo(a,h)anthracene	1300	1200	ug/Kg	92				0	0	
	Benzo(g,h,i)perylene	1300	1200	ug/Kg	92				0	0	
	2,3,4,6-Tetrachlorophenol	1300	860	ug/Kg	66				0	0	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK667

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032124SAS No.: BM032124 SDG NO.: BM032124Lab File ID: BM044682.DLab Sample ID: PB159667BLInstrument ID: BNA_MDate Extracted: 03/19/2024Matrix: (soil/water) SolidDate Analyzed: 03/20/2024Level: (low/med) LOWTime Analyzed: 14:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E0764	P1760-01	BM044683.D	03/20/2024
E0765	P1760-02	BM044684.D	03/20/2024
E0766	P1760-03	BM044685.D	03/20/2024
E0767	P1760-04	BM044686.D	03/20/2024
E0773	P1760-05	BM044687.D	03/20/2024
E0773MS	P1760-06MS	BM044688.D	03/20/2024
E0773MSD	P1760-07MSD	BM044689.D	03/20/2024
PB159667BS	PB159667BS	BM044690.D	03/20/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: **BM032124**

Client: _____

Analytical Method: **SFAM_SVOC**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	P1760-06MS	Client Sample ID:	E0773MS					DataFile:	BM044688.D		
1,4-Dioxane	630		620	ug/Kg	98				15	120	
Benzaldehyde	1600		1500	ug/Kg	94				0	0	
Pyridine	1600		1400	ug/Kg	88				0	0	
Phenol	1600		1500	ug/Kg	94	*			26	90	
Bis(2-chloroethyl)ether	1600		1500	ug/Kg	94				0	0	
2-Chlorophenol	1600		1600	ug/Kg	100				25	102	
2-Methylphenol	1600		1400	ug/Kg	88				0	0	
2,2-oxybis(1-Chloropropane)	1600		1700	ug/Kg	106				0	0	
Acetophenone	1600		1500	ug/Kg	94				0	0	
4-Methylphenol	1600		1400	ug/Kg	88				0	0	
N-Nitroso-di-n-propylamine	1600		1500	ug/Kg	94				41	126	
Hexachloroethane	1600		1700	ug/Kg	106				0	0	
Nitrobenzene	1600		1800	ug/Kg	113				0	0	
Isophorone	1600		1600	ug/Kg	100				0	0	
2-Nitrophenol	1600		1700	ug/Kg	106				0	0	
2,4-Dimethylphenol	1600		1400	ug/Kg	88				0	0	
Bis(2-chloroethoxy)methane	1600		1600	ug/Kg	100				0	0	
2,4-Dichlorophenol	1600		1700	ug/Kg	106				0	0	
Naphthalene	1600		1700	ug/Kg	106				0	0	
4-Chloroaniline	1600		940	ug/Kg	59				0	0	
Hexachlorobutadiene	1600		1900	ug/Kg	119				0	0	
Caprolactam	1600		1400	ug/Kg	88				0	0	
4-Chloro-3-methylphenol	1600		1600	ug/Kg	100				26	103	
1-Methylnaphthalene	1600		1600	ug/Kg	100				0	0	
2-Methylnaphthalene	1600		1600	ug/Kg	100				0	0	
Hexachlorocyclopentadiene	1600		1700	ug/Kg	106				0	0	
2,4,6-Trichlorophenol	1600		1600	ug/Kg	100				0	0	
2,4,5-Trichlorophenol	1600		1700	ug/Kg	106				0	0	
1,1'-Biphenyl	1600		1700	ug/Kg	106				0	0	
2-Chloronaphthalene	1600		1700	ug/Kg	106				0	0	
2-Nitroaniline	1600		1700	ug/Kg	106				0	0	
Dimethylphthalate	1600		1600	ug/Kg	100				0	0	
2,6-Dinitrotoluene	1600		1600	ug/Kg	100				0	0	
Acenaphthylene	1600		1700	ug/Kg	106				0	0	
3-Nitroaniline	1600		1500	ug/Kg	94				0	0	
Acenaphthene	1600		1700	ug/Kg	106				31	137	
2,4-Dinitrophenol	1600		1400	ug/Kg	88				0	0	
4-Nitrophenol	1600		1600	ug/Kg	100				11	114	
Dibenzofuran	1600		1700	ug/Kg	106				0	0	
2,4-Dinitrotoluene	1600		1600	ug/Kg	100	*			28	89	
Diethylphthalate	1600		1600	ug/Kg	100				0	0	
Fluorene	1600		1700	ug/Kg	106				0	0	
4-Chlorophenyl-phenylether	1600		1800	ug/Kg	113				0	0	
4-Nitroaniline	1600		1800	ug/Kg	113				0	0	
4,6-Dinitro-2-methylphenol	1600		1600	ug/Kg	100				0	0	
N-Nitrosodiphenylamine	1600		1800	ug/Kg	113				0	0	
1,2,4,5-Tetrachlorobenzene	1600		1800	ug/Kg	113				0	0	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	RPD
		Result				Qual		Qual		High	
4-Bromophenyl-phenylether	1600	67 55	1900	ug/Kg	119				0	0	
Hexachlorobenzene	1600		1900	ug/Kg	119				0	0	
Atrazine	1600		740	ug/Kg	46				0	0	
Pentachlorophenol	1600		1600	ug/Kg	100				17	109	
Phenanthrene	1600		1800	ug/Kg	113				0	0	
Pentachlorobenzene	1600		2000	ug/Kg	125				0	0	
Anthracene	1600		1700	ug/Kg	106				0	0	
1,2,3,4-Tetrachlorobenzene	1600		2100	ug/Kg	131				0	0	
Carbazole	1600		1700	ug/Kg	106				0	0	
Di-n-butylphthalate	1600		1700	ug/Kg	106				0	0	
Fluoranthene	1600		1800	ug/Kg	108				0	0	
Pyrene	1600		1800	ug/Kg	109				35	142	
Butylbenzylphthalate	1600		1600	ug/Kg	100				0	0	
3,3'-Dichlorobenzidine	1600		1500	ug/Kg	94				0	0	
Benzo(a)anthracene	1600		1700	ug/Kg	106				0	0	
Chrysene	1600		1700	ug/Kg	106				0	0	
Bis(2-ethylhexyl)phthalate	1600		1700	ug/Kg	106				0	0	
Di-n-octylphthalate	1600		1500	ug/Kg	94				0	0	
Benzo(b)fluoranthene	1600		1700	ug/Kg	106				0	0	
Benzo(k)fluoranthene	1600		1700	ug/Kg	106				0	0	
Benzo(a)pyrene	1600		1700	ug/Kg	106				0	0	
Indeno(1,2,3-cd)pyrene	1600		1900	ug/Kg	119				0	0	
Dibenzo(a,h)anthracene	1600		1900	ug/Kg	119				0	0	
Benzo(g,h,i)perylene	1600		2000	ug/Kg	125				0	0	
2,3,4,6-Tetrachlorophenol	1600		1500	ug/Kg	94				0	0	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1760-07MSD	Client Sample ID:	E0773MSD					DataFile:	BM044689.D		
1,4-Dioxane	630		650	ug/Kg	103		5		15	120	50
Benzaldehyde	1600		1600	ug/Kg	100		6	*	0	0	0
Pyridine	1600		1500	ug/Kg	94		7	*	0	0	0
Phenol	1600		1600	ug/Kg	100	*	6		26	90	35
Bis(2-chloroethyl)ether	1600		1600	ug/Kg	100		6	*	0	0	0
2-Chlorophenol	1600		1600	ug/Kg	100		0		25	102	50
2-Methylphenol	1600		1500	ug/Kg	94		7	*	0	0	0
2,2-oxybis(1-Chloropropane)	1600		1700	ug/Kg	106		0		0	0	0
Acetophenone	1600		1500	ug/Kg	94		0		0	0	0
4-Methylphenol	1600		1500	ug/Kg	94		7	*	0	0	0
N-Nitroso-di-n-propylamine	1600		1500	ug/Kg	94		0		41	126	38
Hexachloroethane	1600		1700	ug/Kg	106		0		0	0	0
Nitrobenzene	1600		1900	ug/Kg	119		5	*	0	0	0
Isophorone	1600		1700	ug/Kg	106		6	*	0	0	0
2-Nitrophenol	1600		1800	ug/Kg	113		6	*	0	0	0
2,4-Dimethylphenol	1600		1400	ug/Kg	88		0		0	0	0
Bis(2-chloroethoxy)methane	1600		1700	ug/Kg	106		6	*	0	0	0
2,4-Dichlorophenol	1600		1800	ug/Kg	113		6	*	0	0	0
Naphthalene	1600		1800	ug/Kg	113		6	*	0	0	0
4-Chloroaniline	1600		1000	ug/Kg	63		7	*	0	0	0
Hexachlorobutadiene	1600		2000	ug/Kg	125		5	*	0	0	0
Caprolactam	1600		1500	ug/Kg	94		7	*	0	0	0
4-Chloro-3-methylphenol	1600		1600	ug/Kg	100		0		26	103	33
1-Methylnaphthalene	1600		1700	ug/Kg	106		6	*	0	0	0
2-Methylnaphthalene	1600		1700	ug/Kg	106		6	*	0	0	0
Hexachlorocyclopentadiene	1600		1700	ug/Kg	106		0		0	0	0
2,4,6-Trichlorophenol	1600		1700	ug/Kg	106		6	*	0	0	0
2,4,5-Trichlorophenol	1600		1800	ug/Kg	113		6	*	0	0	0
1,1'-Biphenyl	1600		1800	ug/Kg	113		6	*	0	0	0
2-Chloronaphthalene	1600		1800	ug/Kg	113		6	*	0	0	0
2-Nitroaniline	1600		1800	ug/Kg	113		6	*	0	0	0
Dimethylphthalate	1600		1700	ug/Kg	106		6	*	0	0	0
2,6-Dinitrotoluene	1600		1700	ug/Kg	106		6	*	0	0	0
Acenaphthylene	1600		1800	ug/Kg	113		6	*	0	0	0
3-Nitroaniline	1600		1600	ug/Kg	100		6	*	0	0	0
Acenaphthene	1600		1800	ug/Kg	113		6		31	137	19
2,4-Dinitrophenol	1600		1500	ug/Kg	94		7	*	0	0	0
4-Nitrophenol	1600		1800	ug/Kg	113		12		11	114	50
Dibenzofuran	1600		1800	ug/Kg	113		6	*	0	0	0
2,4-Dinitrotoluene	1600		1700	ug/Kg	106	*	6		28	89	47
Diethylphthalate	1600		1700	ug/Kg	106		6	*	0	0	0
Fluorene	1600		1800	ug/Kg	113		6	*	0	0	0
4-Chlorophenyl-phenylether	1600		1800	ug/Kg	113		0		0	0	0
4-Nitroaniline	1600		1900	ug/Kg	119		5	*	0	0	0
4,6-Dinitro-2-methylphenol	1600		1700	ug/Kg	106		6	*	0	0	0
N-Nitrosodiphenylamine	1600		1900	ug/Kg	119		5	*	0	0	0
1,2,4,5-Tetrachlorobenzene	1600		1900	ug/Kg	119		5	*	0	0	0

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
4-Bromophenyl-phenylether	1600		2000	ug/Kg	125	5		*	0	0	0
Hexachlorobenzene	1600		2000	ug/Kg	125	5		*	0	0	0
Atrazine	1600		780	ug/Kg	49	6		*	0	0	0
Pentachlorophenol	1600		1600	ug/Kg	100	0			17	109	47
Phenanthrene	1600		1900	ug/Kg	119	5		*	0	0	0
Pentachlorobenzene	1600		2100	ug/Kg	131	5		*	0	0	0
Anthracene	1600		1800	ug/Kg	113	6		*	0	0	0
1,2,3,4-Tetrachlorobenzene	1600		2100	ug/Kg	131	0			0	0	0
Carbazole	1600		1800	ug/Kg	113	6		*	0	0	0
Di-n-butylphthalate	1600		1800	ug/Kg	113	6		*	0	0	0
Fluoranthene	1600	67	1900	ug/Kg	115	6		*	0	0	0
Pyrene	1600	55	1900	ug/Kg	115	5			35	142	36
Butylbenzylphthalate	1600		1700	ug/Kg	106	6		*	0	0	0
3,3'-Dichlorobenzidine	1600		1600	ug/Kg	100	6		*	0	0	0
Benzo(a)anthracene	1600		1800	ug/Kg	113	6		*	0	0	0
Chrysene	1600		1800	ug/Kg	113	6		*	0	0	0
Bis(2-ethylhexyl)phthalate	1600		1700	ug/Kg	106	0			0	0	0
Di-n-octylphthalate	1600		1600	ug/Kg	100	6		*	0	0	0
Benzo(b)fluoranthene	1600		1800	ug/Kg	113	6		*	0	0	0
Benzo(k)fluoranthene	1600		1800	ug/Kg	113	6		*	0	0	0
Benzo(a)pyrene	1600		1800	ug/Kg	113	6		*	0	0	0
Indeno(1,2,3-cd)pyrene	1600		2000	ug/Kg	125	5		*	0	0	0
Dibenzo(a,h)anthracene	1600		2100	ug/Kg	131	10		*	0	0	0
Benzo(g,h,i)perylene	1600		2000	ug/Kg	125	0			0	0	0
2,3,4,6-Tetrachlorophenol	1600		1600	ug/Kg	100	6		*	0	0	0

Surrogate Summary

SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1760-01	E0764	BM044683.D	1,4-Dioxane-d8	8	3.74	47		15	120
			Pyridine-d5	40	7.52	19	*	20	120
			Phenol-d5	40	17.06	43		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.98	47		10	150
			2-Chlorophenol-d4	40	18.46	46		15	120
			4-Methylphenol-d8	40	15.18	38		10	140
			Nitrobenzene-d5	40	20.21	51		10	135
			2-Nitrophenol-d4	40	18.81	47		10	120
			2,4-Dichlorophenol-d3	40	19.08	48		10	140
			4-Chloroaniline-d4	40	12.34	31		1	145
			Dimethylphthalate-d6	40	19.69	49		10	145
			Acenaphthylene-d8	40	19.96	50		15	120
			4-Nitrophenol-d4	40	11.78	29		10	150
			Fluorene-d10	40	21.10	53		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.05	25		10	130
			Anthracene-d10	40	21.11	53		10	150
			Pyrene-d10	40	22.85	57		10	130
			Benzo(a)pyrene-d12	40	22.50	56		10	140
P1760-02	E0765	BM044684.D	1,4-Dioxane-d8	8	3.33	42		15	120
			Pyridine-d5	40	8.92	22		20	120
			Phenol-d5	40	16.45	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	18.12	45		10	150
			2-Chlorophenol-d4	40	17.93	45		15	120
			4-Methylphenol-d8	40	15.22	38		10	140
			Nitrobenzene-d5	40	19.52	49		10	135
			2-Nitrophenol-d4	40	18.54	46		10	120
			2,4-Dichlorophenol-d3	40	18.11	45		10	140
			4-Chloroaniline-d4	40	12.24	31		1	145
			Dimethylphthalate-d6	40	18.68	47		10	145
			Acenaphthylene-d8	40	19.08	48		15	120
			4-Nitrophenol-d4	40	10.99	27		10	150
			Fluorene-d10	40	19.54	49		20	140
			4,6-Dinitro-2-methylphenol-d2	40	9.32	23		10	130
			Anthracene-d10	40	20.07	50		10	150
			Pyrene-d10	40	21.50	54		10	130
			Benzo(a)pyrene-d12	40	21.09	53		10	140
P1760-03	E0766	BM044685.D	1,4-Dioxane-d8	8	5.27	66		15	120
			Pyridine-d5	40	24.58	61		20	120
			Phenol-d5	40	25.45	64		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.58	69		10	150
			2-Chlorophenol-d4	40	27.37	68		15	120
			4-Methylphenol-d8	40	24.62	62		10	140
			Nitrobenzene-d5	40	30.47	76		10	135
			2-Nitrophenol-d4	40	30.23	76		10	120
			2,4-Dichlorophenol-d3	40	29.95	75		10	140
			4-Chloroaniline-d4	40	26.94	67		1	145
			Dimethylphthalate-d6	40	31.54	79		10	145
			Acenaphthylene-d8	40	32.21	81		15	120
			4-Nitrophenol-d4	40	22.87	57		10	150
			Fluorene-d10	40	32.84	82		20	140
			4,6-Dinitro-2-methylphenol-d2	40	22.22	56		10	130

Surrogate Summary

SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1760-03	E0766	BM044685.D	Anthracene-d10	40	34.43	86		10	150
			Pyrene-d10	40	34.64	87		10	130
			Benzo(a)pyrene-d12	40	34.64	87		10	140
P1760-04	E0767	BM044686.D	1,4-Dioxane-d8	8	4.76	60		15	120
			Pyridine-d5	40	21.27	53		20	120
			Phenol-d5	40	23.70	59		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.99	65		10	150
			2-Chlorophenol-d4	40	25.37	63		15	120
			4-Methylphenol-d8	40	23.62	59		10	140
			Nitrobenzene-d5	40	28.59	71		10	135
			2-Nitrophenol-d4	40	28.12	70		10	120
			2,4-Dichlorophenol-d3	40	27.87	70		10	140
			4-Chloroaniline-d4	40	25.26	63		1	145
			Dimethylphthalate-d6	40	29.08	73		10	145
			Acenaphthylene-d8	40	29.47	74		15	120
			4-Nitrophenol-d4	40	20.83	52		10	150
			Fluorene-d10	40	29.99	75		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.10	53		10	130
			Anthracene-d10	40	31.79	79		10	150
			Pyrene-d10	40	32.93	82		10	130
			Benzo(a)pyrene-d12	40	32.36	81		10	140
P1760-05	E0773	BM044687.D	1,4-Dioxane-d8	8	5.10	64		15	120
			Pyridine-d5	40	24.76	62		20	120
			Phenol-d5	40	26.53	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.60	72		10	150
			2-Chlorophenol-d4	40	28.18	70		15	120
			4-Methylphenol-d8	40	26.04	65		10	140
			Nitrobenzene-d5	40	31.82	80		10	135
			2-Nitrophenol-d4	40	31.53	79		10	120
			2,4-Dichlorophenol-d3	40	30.66	77		10	140
			4-Chloroaniline-d4	40	27.75	69		1	145
			Dimethylphthalate-d6	40	33.09	83		10	145
			Acenaphthylene-d8	40	33.15	83		15	120
			4-Nitrophenol-d4	40	25.59	64		10	150
			Fluorene-d10	40	34.13	85		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.23	66		10	130
			Anthracene-d10	40	34.82	87		10	150
			Pyrene-d10	40	36.75	92		10	130
			Benzo(a)pyrene-d12	40	36.85	92		10	140
P1760-06MS	E0773MS	BM044688.D	1,4-Dioxane-d8	8	5.04	63		15	120
			Pyridine-d5	40	24.48	61		20	120
			Phenol-d5	40	26.49	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.96	70		10	150
			2-Chlorophenol-d4	40	28.08	70		15	120
			4-Methylphenol-d8	40	24.99	62		10	140
			Nitrobenzene-d5	40	30.81	77		10	135
			2-Nitrophenol-d4	40	30.79	77		10	120
			2,4-Dichlorophenol-d3	40	32.15	80		10	140
			4-Chloroaniline-d4	40	23.29	58		1	145
			Dimethylphthalate-d6	40	29.07	73		10	145
			Acenaphthylene-d8	40	30.48	76		15	120

Surrogate Summary

SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1760-06MS	E0773MS	BM044688.D	4-Nitrophenol-d4	40	26.43	66		10	150
			Fluorene-d10	40	29.95	75		20	140
			4,6-Dinitro-2-methylphenol-d2	40	29.19	73		10	130
			Anthracene-d10	40	31.26	78		10	150
			Pyrene-d10	40	31.95	80		10	130
P1760-07MSD	E0773MSD	BM044689.D	Benzo(a)pyrene-d12	40	31.78	79		10	140
			1,4-Dioxane-d8	8	5.52	69		15	120
			Pyridine-d5	40	25.91	65		20	120
			Phenol-d5	40	27.55	69		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.88	72		10	150
			2-Chlorophenol-d4	40	29.49	74		15	120
			4-Methylphenol-d8	40	26.14	65		10	140
			Nitrobenzene-d5	40	32.58	81		10	135
			2-Nitrophenol-d4	40	32.28	81		10	120
			2,4-Dichlorophenol-d3	40	34.02	85		10	140
			4-Chloroaniline-d4	40	24.59	61		1	145
			Dimethylphthalate-d6	40	30.40	76		10	145
			Acenaphthylene-d8	40	31.90	80		15	120
			4-Nitrophenol-d4	40	28.48	71		10	150
			Fluorene-d10	40	31.62	79		20	140
			4,6-Dinitro-2-methylphenol-d2	40	31.21	78		10	130
			Anthracene-d10	40	32.84	82		10	150
			Pyrene-d10	40	32.69	82		10	130
			Benzo(a)pyrene-d12	40	33.56	84		10	140
PB159667BL	PB159667BL	BM044682.D	Pyridine-d5	40	24.74	62		20	120
			1,4-Dioxane-d8	8	5.38	67		15	120
			Phenol-d5	40	23.81	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.54	64		10	150
			2-Chlorophenol-d4	40	25.61	64		15	120
			4-Methylphenol-d8	40	22.46	56		10	140
			Nitrobenzene-d5	40	27.65	69		10	135
			2-Nitrophenol-d4	40	27.27	68		10	120
			2,4-Dichlorophenol-d3	40	25.83	65		10	140
			4-Chloroaniline-d4	40	24.79	62		1	145
			Dimethylphthalate-d6	40	26.79	67		10	145
			Acenaphthylene-d8	40	27.27	68		15	120
			4-Nitrophenol-d4	40	19.61	49		10	150
			Fluorene-d10	40	27.40	69		20	140
			4,6-Dinitro-2-methylphenol-d2	40	20.89	52		10	130
			Anthracene-d10	40	28.88	72		10	150
			Pyrene-d10	40	29.73	74		10	130
			Benzo(a)pyrene-d12	40	28.86	72		10	140
PB159667BS	PB159667BS	BM044690.D	1,4-Dioxane-d8	8	5.71	71		15	120
			Pyridine-d5	40	27.38	68		20	120
			Phenol-d5	40	26.71	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.06	70		10	150
			2-Chlorophenol-d4	40	28.54	71		15	120
			4-Methylphenol-d8	40	25.19	63		10	140
			Nitrobenzene-d5	40	31.14	78		10	135
			2-Nitrophenol-d4	40	31.45	79		10	120
			2,4-Dichlorophenol-d3	40	31.55	79		10	140



Surrogate Summary
SW-846

SDG No.: BM032124

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159667BS	PB159667BS	BM044690.D	4-Chloroaniline-d4	40	25.43	64		1	145
			Dimethylphthalate-d6	40	28.42	71		10	145
			Acenaphthylene-d8	40	29.83	75		15	120
			4-Nitrophenol-d4	40	26.15	65		10	150
			Fluorene-d10	40	28.81	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	29.50	74		10	130
			Anthracene-d10	40	31.32	78		10	150
			Pyrene-d10	40	30.76	77		10	130
			Benzo(a)pyrene-d12	40	31.75	79		10	140



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM032124Lab Code: CHEMSAS No.: BM032124 SDG NO.: BM032124Lab File ID: BM044680.DDFTPP Injection Date: 03/20/2024Instrument ID: BNA_MDFTPP Injection Time: 13:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.9
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	41.6
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	49.2
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	24.1
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	80
443	15.0 - 24.0% of mass 442	15.5 (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
SSTD020078	SSTDCCC020	BM044681.D	03/20/2024	13:41
SBLK667	PB159667BL	BM044682.D	03/20/2024	14:17
E0764	P1760-01	BM044683.D	03/20/2024	14:53
E0765	P1760-02	BM044684.D	03/20/2024	15:30
E0766	P1760-03	BM044685.D	03/20/2024	16:06
E0767	P1760-04	BM044686.D	03/20/2024	16:43
E0773	P1760-05	BM044687.D	03/20/2024	17:19
E0773MS	P1760-06MS	BM044688.D	03/20/2024	17:56
E0773MSD	P1760-07MSD	BM044689.D	03/20/2024	18:32
SLCS667	PB159667BS	BM044690.D	03/20/2024	19:09
SSTD020079	SSTDCCC020EC	BM044691.D	03/20/2024	20:22