

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM031924 SAS No.: BM031924 SDG No.: BM031924

Instrument ID: BNA_M Calibration Date/Time: 3/19/2024 1:11:21

Lab File ID: BM044658.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020076 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	0.607	0.010	-0.5739	40.0
Benzaldehyde	0.896	1.055	0.010	17.8386	40.0
Pyridine	1.800	1.626	0.010	-9.699	40.0
Phenol	2.099	1.905	0.080	-9.2368	20.0
Bis(2-Chloroethyl)ether	1.723	1.590	0.100	-7.7373	20.0
2-Chlorophenol	1.559	1.503	0.200	-3.5601	20.0
2-Methylphenol	1.593	1.386	0.010	-12.9856	20.0
2,2-oxybis(1-Chloropropane)	2.276	2.332	0.010	2.4757	40.0
Acetophenone	2.505	2.256	0.060	-9.9415	20.0
4-Methylphenol	1.734	1.504	0.010	-13.2246	20.0
N-Nitroso-di-n-propylamine	1.294	1.195	0.050	-7.6138	30.0
Hexachloroethane	0.638	0.639	0.100	0.0533	20.0
Nitrobenzene	0.399	0.423	0.050	5.8948	25.0
Isophorone	0.815	0.789	0.050	-3.2111	25.0
2-Nitrophenol	0.198	0.198	0.050	0.1759	25.0
2,4-Dimethylphenol	0.360	0.364	0.050	1.0432	25.0
Bis(2-Chloroethoxy)methane	0.512	0.504	0.050	-1.6848	20.0
2,4-Dichlorophenol	0.308	0.317	0.060	2.8984	20.0
Naphthalene	1.133	1.156	0.200	2.0621	20.0
4-Chloroaniline	0.495	0.464	0.010	-6.2078	40.0
Hexachlorobutadiene	0.173	0.194	0.040	12.2015	30.0
Caprolactam	0.120	0.085	0.010	-29.3516	40.0
4-Chloro-3-methylphenol	0.358	0.329	0.040	-8.0452	25.0
1-Methylnaphthalene	0.743	0.724	0.100	-2.5228	20.0
2-Methylnaphthalene	0.753	0.748	0.100	-0.75	20.0
Hexachlorocyclopentadiene	0.378	0.409	0.010	8.2714	40.0
2,4,6-Trichlorophenol	0.399	0.399	0.090	0.0482	25.0
2,4,5-Trichlorophenol	0.427	0.435	0.100	1.7436	25.0
1,1-Biphenyl	1.588	1.655	0.200	4.1816	20.0
2-Chloronaphthalene	1.246	1.282	0.300	2.8846	20.0
2-Nitroaniline	0.391	0.377	0.050	-3.7045	40.0
Dimethylphthalate	1.596	1.519	0.300	-4.8242	20.0
2,6-Dinitrotoluene	0.319	0.291	0.080	-8.8747	30.0
Acenaphthylene	2.091	2.122	0.400	1.4687	20.0
3-Nitroaniline	0.344	0.304	0.010	-11.7008	40.0
Acenaphthene	1.375	1.392	0.200	1.2347	20.0
2,4-Dinitrophenol	0.204	0.150	0.010	-26.6966	40.0
4-Nitrophenol	0.228	0.195	0.010	-14.2431	40.0
Dibenzofuran	1.829	1.841	0.300	0.6478	20.0
2,4-Dinitrotoluene	0.460	0.413	0.070	-10.2378	30.0
Diethylphthalate	1.657	1.531	0.300	-7.6018	20.0

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Instrument ID: BNA_M Calibration Date/Time: 3/19/2024 1:11:21

Lab File ID: BM044658.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020076 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.515	0.200	1.2917	20.0
4-Chlorophenyl-phenylether	0.694	0.730	0.100	5.1153	20.0
4-Nitroaniline	0.329	0.296	0.010	-10.2318	40.0
4,6-Dinitro-2-methylphenol	0.139	0.135	0.010	-2.535	40.0
N-Nitrosodiphenylamine	0.602	0.664	0.050	10.1625	20.0
1,2,4,5-Tetrachlorobenzene	0.569	0.625	0.100	9.8964	20.0
4-Bromophenyl-phenylether	0.200	0.224	0.070	12.0925	20.0
Hexachlorobenzene	0.228	0.256	0.050	12.1486	25.0
Atrazine	0.197	0.204	0.010	3.5302	25.0
Pentachlorophenol	0.150	0.147	0.010	-2.0392	40.0
Phenanthrene	1.135	1.190	0.200	4.8702	20.0
Pentachlorobenzene	0.258	0.312	0.050	20.9727	20.0
Anthracene	1.147	1.212	0.200	5.6474	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.322	0.050	20.5667	20.0
Carbazole	1.078	1.073	0.050	-0.4789	40.0
Di-n-butylphthalate	1.450	1.359	0.500	-6.2868	25.0
Fluoranthene	1.461	1.461	0.400	0.0205	25.0
Pyrene	1.521	1.523	0.400	0.1494	25.0
Butylbenzylphthalate	0.748	0.620	0.100	-17.1385	40.0
3,3-Dichlorobenzidine	0.433	0.451	0.010	4.3018	40.0
Benzo(a)anthracene	1.502	1.491	0.300	-0.7552	30.0
Chrysene	1.391	1.376	0.200	-1.0365	30.0
Bis(2-ethylhexyl)phthalate	1.090	0.980	0.200	-10.1127	40.0
Di-n-octyl phthalate	1.790	1.435	0.010	-19.846	40.0
Benzo(b)fluoranthene	1.338	1.266	0.200	-5.4124	25.0
Benzo(k)fluoranthene	1.311	1.308	0.200	-0.1721	25.0
Benzo(a)pyrene	1.252	1.238	0.200	-1.1103	20.0
Indeno(1,2,3-cd)pyrene	1.404	1.562	0.200	11.2777	25.0
Dibenzo(a,h)anthracene	1.171	1.309	0.200	11.7668	30.0
Benzo(g,h,i)perylene	1.121	1.252	0.200	11.7365	30.0
2,3,4,6-Tetrachlorophenol	0.354	0.339	0.040	-4.2646	20.0
1,4-Dioxane-d8	0.590	0.567	0.010	-3.86	25.0
Pyridine-d5	1.736	1.557	0.010	-10.2876	40.0
Phenol-d5	2.056	1.858	0.010	-9.6186	25.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.228	0.050	-3.341	25.0
2-Chlorophenol-d4	1.511	1.450	0.200	-4.0664	20.0
4-Methylphenol-d8	1.615	1.415	0.010	-12.3667	20.0
Nitrobenzene-d5	0.168	0.171	0.050	1.4335	20.0
2-Nitrophenol-d4	0.182	0.179	0.050	-1.2821	30.0
2,4-Dichlorophenol-d3	0.309	0.318	0.060	3.047	20.0
4-Chloroaniline-d4	0.513	0.475	0.010	-7.4507	40.0



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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.507	0.300	-3.9563	20.0
Acenaphthylene-d8	1.794	1.765	0.400	-1.6239	20.0
4-Nitrophenol-d4	0.325	0.265	0.010	-18.41	40.0
Fluorene-d10	1.318	1.269	0.100	-3.7124	20.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.122	0.010	-5.9761	40.0
Anthracene-d10	0.956	0.991	0.300	3.701	20.0
Pyrene-d10	1.227	1.216	0.300	-0.8578	25.0
Benzo(a)pyrene-d12	1.051	1.055	0.010	0.3481	20.0

All other compounds must meet a minimum RRF of 0.010.



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Instrument ID: BNA_M Calibration Date/Time: 3/19/2024 1: 21:12

Lab File ID: BM044673.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020077 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	0.598	0.010	-2.0316	50.0
Benzaldehyde	0.896	1.093	0.010	22.0606	50.0
Pyridine	1.800	1.769	0.010	-1.7225	50.0
Phenol	2.099	1.994	0.080	-4.9992	50.0
Bis(2-Chloroethyl) ether	1.723	1.593	0.100	-7.5384	50.0
2-Chlorophenol	1.559	1.522	0.200	-2.321	50.0
2-Methylphenol	1.593	1.476	0.010	-7.3088	50.0
2,2-oxybis(1-Chloropropane)	2.276	2.349	0.010	3.2076	50.0
Acetophenone	2.505	2.381	0.060	-4.9337	50.0
4-Methylphenol	1.734	1.652	0.010	-4.7079	50.0
N-Nitroso-di-n-propylamine	1.294	1.421	0.050	9.7854	50.0
Hexachloroethane	0.638	0.650	0.100	1.848	50.0
Nitrobenzene	0.399	0.429	0.050	7.3493	50.0
Isophorone	0.815	1.037	0.050	27.2693	50.0
2-Nitrophenol	0.198	0.204	0.050	3.2028	50.0
2,4-Dimethylphenol	0.360	0.416	0.050	15.5405	50.0
Bis(2-Chloroethoxy) methane	0.512	0.546	0.050	6.6366	50.0
2,4-Dichlorophenol	0.308	0.357	0.060	15.7754	50.0
Naphthalene	1.133	1.160	0.200	2.3897	50.0
4-Chloroaniline	0.495	0.545	0.010	10.1937	50.0
Hexachlorobutadiene	0.173	0.193	0.040	11.36	50.0
Caprolactam	0.120	0.147	0.010	22.2833	50.0
4-Chloro-3-methylphenol	0.358	0.486	0.040	35.8665	50.0
1-Methylnaphthalene	0.743	0.799	0.100	7.5922	50.0
2-Methylnaphthalene	0.753	0.804	0.100	6.7105	50.0
Hexachlorocyclopentadiene	0.378	0.291	0.010	-22.9992	50.0
2,4,6-Trichlorophenol	0.399	0.406	0.090	1.6902	50.0
2,4,5-Trichlorophenol	0.427	0.455	0.100	6.4546	50.0
1,1-Biphenyl	1.588	1.486	0.200	-6.4514	50.0
2-Chloronaphthalene	1.246	1.114	0.300	-10.6221	50.0
2-Nitroaniline	0.391	0.427	0.050	9.1804	50.0
Dimethylphthalate	1.596	1.673	0.300	4.7683	50.0
2,6-Dinitrotoluene	0.319	0.332	0.080	3.9634	50.0
Acenaphthylene	2.091	2.058	0.400	-1.5933	50.0
3-Nitroaniline	0.344	0.354	0.010	2.696	50.0
Acenaphthene	1.375	1.379	0.200	0.2724	50.0
2,4-Dinitrophenol	0.204	0.188	0.010	-7.704	50.0
4-Nitrophenol	0.228	0.248	0.010	8.9776	50.0
Dibenzofuran	1.829	1.904	0.300	4.0928	50.0
2,4-Dinitrotoluene	0.460	0.480	0.070	4.3335	50.0
Diethylphthalate	1.657	1.723	0.300	3.9925	50.0



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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.496	1.615	0.200	8.0065	50.0
4-Chlorophenyl-phenylether	0.694	0.776	0.100	11.7299	50.0
4-Nitroaniline	0.329	0.367	0.010	11.4879	50.0
4,6-Dinitro-2-methylphenol	0.139	0.144	0.010	3.557	50.0
N-Nitrosodiphenylamine	0.602	0.635	0.050	5.4941	50.0
1,2,4,5-Tetrachlorobenzene	0.569	0.500	0.100	-12.1872	50.0
4-Bromophenyl-phenylether	0.200	0.220	0.070	9.8256	50.0
Hexachlorobenzene	0.228	0.253	0.050	10.9433	50.0
Atrazine	0.197	0.139	0.010	-29.2317	50.0
Pentachlorophenol	0.150	0.152	0.010	1.3529	50.0
Phenanthrene	1.135	1.181	0.200	4.0791	50.0
Pentachlorobenzene	0.258	0.283	0.050	9.6699	50.0
Anthracene	1.147	1.202	0.200	4.7379	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.246	0.050	-7.7801	50.0
Carbazole	1.078	1.112	0.050	3.1398	50.0
Di-n-butylphthalate	1.450	1.437	0.500	-0.9404	50.0
Fluoranthene	1.461	1.453	0.400	-0.5418	50.0
Pyrene	1.521	1.535	0.400	0.949	50.0
Butylbenzylphthalate	0.748	0.688	0.100	-7.9964	50.0
3,3-Dichlorobenzidine	0.433	0.430	0.010	-0.5444	50.0
Benzo(a)anthracene	1.502	1.523	0.300	1.4127	50.0
Chrysene	1.391	1.402	0.200	0.8518	50.0
Bis(2-ethylhexyl)phthalate	1.090	1.070	0.200	-1.8315	50.0
Di-n-octyl phthalate	1.790	1.583	0.010	-11.5687	50.0
Benzo(b)fluoranthene	1.338	1.280	0.200	-4.3402	50.0
Benzo(k)fluoranthene	1.311	1.320	0.200	0.7229	50.0
Benzo(a)pyrene	1.252	1.242	0.200	-0.8125	50.0
Indeno(1,2,3-cd)pyrene	1.404	1.570	0.200	11.7898	50.0
Dibenzo(a,h)anthracene	1.171	1.322	0.200	12.9049	50.0
Benzo(g,h,i)perylene	1.121	1.253	0.200	11.869	50.0
2,3,4,6-Tetrachlorophenol	0.354	0.381	0.040	7.8095	50.0
1,4-Dioxane-d8	0.590	0.568	0.010	-3.637	50.0
Pyridine-d5	1.736	1.694	0.010	-2.3759	50.0
Phenol-d5	2.056	1.939	0.010	-5.7213	50.0
Bis-(2-Chloroethyl)ether-d8	1.270	1.232	0.050	-2.9983	50.0
2-Chlorophenol-d4	1.511	1.493	0.200	-1.2056	50.0
4-Methylphenol-d8	1.615	1.554	0.010	-3.7658	50.0
Nitrobenzene-d5	0.168	0.175	0.050	4.1372	50.0
2-Nitrophenol-d4	0.182	0.184	0.050	1.233	50.0
2,4-Dichlorophenol-d3	0.309	0.359	0.060	16.0437	50.0
4-Chloroaniline-d4	0.513	0.557	0.010	8.5565	50.0



7C

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Lab Name: CHEMTECH Contract: _____
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Instrument ID: BNA_M Calibration Date/Time: 3/19/2024 1: 21:12
Lab File ID: BM044673.D Init. Calib. Date(s): _____
EPA Sample No.: SSTD020077 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.569	1.649	0.300	5.1007	50.0
Acenaphthylene-d8	1.794	1.715	0.400	-4.4353	50.0
4-Nitrophenol-d4	0.325	0.325	0.010	-0.0375	50.0
Fluorene-d10	1.318	1.368	0.100	3.7439	50.0
4,6-Dinitro-2-methylphenol-d2	0.130	0.130	0.010	0.3539	50.0
Anthracene-d10	0.956	0.990	0.300	3.5948	50.0
Pyrene-d10	1.227	1.226	0.300	-0.062	50.0
Benzo(a)pyrene-d12	1.051	1.063	0.010	1.0938	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SBLK639	SDG No.:	BM031924
Lab Sample ID:	PB159639BL	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
BM044659.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SBLK639	SDG No.:	BM031924
Lab Sample ID:	PB159639BL	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
BM044659.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SBLK639	SDG No.:	BM031924
Lab Sample ID:	PB159639BL	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
BM044659.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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	5.357		15-120		67	SPK: -8
7291-22-7	Pyridine-d5	25.167		20-120		63	SPK: -40
4165-62-2	Phenol-d5	24.298		10-130		61	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.743		10-150		67	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.039		15-120		65	SPK: -40
190780-66-6	4-Methylphenol-d8	23.257		10-140		58	SPK: -40
4165-60-0	Nitrobenzene-d5	27.83		10-135		70	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.572		10-120		69	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.073		10-140		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	24.865		1-145		62	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.727		10-145		67	SPK: -40
93951-97-4	Acenaphthylene-d8	27.131		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.76		10-150		47	SPK: -40
81103-79-9	Fluorene-d10	27.245		20-140		68	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.643		10-130		54	SPK: -40
1719-06-8	Anthracene-d10	29.166		10-150		73	SPK: -40
1718-52-1	Pyrene-d10	30.086		10-130		75	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.012		10-140		73	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	177367	7.698				
1146-65-2	Naphthalene-d8	721738	10.475				
15067-26-2	Acenaphthene-d10	411280	14.339				
1517-22-2	Phenanthrene-d10	773881	17.092				



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SBLK639	SDG No.:	BM031924
Lab Sample ID:	PB159639BL	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
BM044659.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	635267	21.292				
1520-96-3	Perylene-d12	787268	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM031924
Lab Sample ID:	P1782-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044660.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	39	U	39	19.8	200	ug/Kg
100-52-7	Benzaldehyde	230	U	230	250	990	ug/Kg
110-86-1	Pyridine	130	U	130	500	990	ug/Kg
108-95-2	Phenol	110	U	110	250	990	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	100	U	100	250	990	ug/Kg
95-57-8	2-Chlorophenol	84	U	84	130	510	ug/Kg
95-48-7	2-Methylphenol	90	U	90	250	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	81	U	81	250	990	ug/Kg
98-86-2	Acetophenone	110	U	110	250	990	ug/Kg
106-44-5	4-Methylphenol	96	U	96	250	990	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	87	U	87	130	510	ug/Kg
67-72-1	Hexachloroethane	69	U	69	130	510	ug/Kg
98-95-3	Nitrobenzene	110	U	110	130	510	ug/Kg
78-59-1	Isophorone	100	U	100	130	510	ug/Kg
88-75-5	2-Nitrophenol	96	U	96	130	510	ug/Kg
105-67-9	2,4-Dimethylphenol	84	U	84	130	510	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	110	U	110	130	510	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	130	510	ug/Kg
91-20-3	Naphthalene	100	U	100	130	510	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	130	990	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	130	510	ug/Kg
105-60-2	Caprolactam	360	U	360	250	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84	U	84	130	510	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	130	510	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	130	510	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	250	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	130	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	130	510	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	130	510	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	130	510	ug/Kg
88-74-4	2-Nitroaniline	66	U	66	130	510	ug/Kg

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM031924
Lab Sample ID:	P1782-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044660.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	130	U	130	130	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	U	63	130	510	ug/Kg
208-96-8	Acenaphthylene	130	U	130	130	510	ug/Kg
99-09-2	3-Nitroaniline	60	U	60	250	990	ug/Kg
83-32-9	Acenaphthene	120	U	120	130	510	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	250	990	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	250	990	ug/Kg
132-64-9	Dibenzofuran	140	U	140	130	510	ug/Kg
121-14-2	2,4-Dinitrotoluene	81	U	81	130	510	ug/Kg
84-66-2	Diethylphthalate	180	U	180	130	510	ug/Kg
86-73-7	Fluorene	140	U	140	130	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	130	510	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	250	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	250	990	ug/Kg
86-30-6	N-Nitrosodiphenylamine	130	U	130	130	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	130	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	130	510	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	130	510	ug/Kg
1912-24-9	Atrazine	120	U	120	250	990	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	250	990	ug/Kg
85-01-8	Phenanthrene	130	U	130	130	510	ug/Kg
608-93-5	Pentachlorobenzene	150	U	150	130	510	ug/Kg
120-12-7	Anthracene	130	U	130	130	510	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	99	U	99	130	510	ug/Kg
86-74-8	Carbazole	140	U	140	250	990	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	130	510	ug/Kg
206-44-0	Fluoranthene	130	U	130	250	510	ug/Kg
129-00-0	Pyrene	130	U	130	130	510	ug/Kg
85-68-7	Butylbenzylphthalate	96	U	96	130	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	69	U	69	250	990	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	130	510	ug/Kg
218-01-9	Chrysene	140	U	140	130	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	130	510	ug/Kg

Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM031924
Lab Sample ID:	P1782-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044660.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	100	U	100	250	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	130	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	130	510	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	130	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	130	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	130	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	130	510	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	0	U	10-130		0	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	0	U	10-150		0	SPK: -40
93951-73-6	2-Chlorophenol-d4	0	U	15-120		0	SPK: -40
190780-66-6	4-Methylphenol-d8	0	U	10-140		0	SPK: -40
4165-60-0	Nitrobenzene-d5	0	U	10-135		0	SPK: -40
93951-78-1	2-Nitrophenol-d4	0	U	10-120		0	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	0	U	10-140		0	SPK: -40
191656-33-4	4-Chloroaniline-d4	0	U	1-145		0	SPK: -40
85448-30-2	Dimethylphthalate-d6	0	U	10-145		0	SPK: -40
93951-97-4	Acenaphthylene-d8	0	U	15-120		0	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	0	U	20-140		0	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0	U	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	0	U	10-150		0	SPK: -40
1718-52-1	Pyrene-d10	0	U	10-130		0	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	0	U	10-140		0	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199806	7.698				
1146-65-2	Naphthalene-d8	794473	10.475				
15067-26-2	Acenaphthene-d10	475601	14.339				
1517-22-2	Phenanthrene-d10	894271	17.098				



Report of Analysis

Client:		Date Collected:	3/8/2024 12:00:00 AM
Project:		Date Received:	3/8/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC-BLANK	SDG No.:	BM031924
Lab Sample ID:	P1782-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	0
Sample Wt/Vol:	10 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044660.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159645

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	722348	21.292				
1520-96-3	Perylene-d12	857311	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	140	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0756	SDG No.:	BM031924
Lab Sample ID:	P1787-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044661.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8	81	ug/Kg
100-52-7	Benzaldehyde	91	U	91	100	400	ug/Kg
110-86-1	Pyridine	52	U	52	200	400	ug/Kg
108-95-2	Phenol	43	U	43	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	41	U	41	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.7	210	ug/Kg
95-48-7	2-Methylphenol	36	U	36	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	33	U	33	100	400	ug/Kg
98-86-2	Acetophenone	46	U	46	100	400	ug/Kg
106-44-5	4-Methylphenol	39	U	39	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51.7	210	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51.7	210	ug/Kg
98-95-3	Nitrobenzene	44	U	44	51.7	210	ug/Kg
78-59-1	Isophorone	41	U	41	51.7	210	ug/Kg
88-75-5	2-Nitrophenol	39	U	39	51.7	210	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51.7	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51.7	210	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	51.7	210	ug/Kg
91-20-3	Naphthalene	41	U	41	51.7	210	ug/Kg
106-47-8	4-Chloroaniline	52	U	52	51.7	400	ug/Kg
87-68-3	Hexachlorobutadiene	41	U	41	51.7	210	ug/Kg
105-60-2	Caprolactam	150	U	150	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51.7	210	ug/Kg
90-12-0	1-Methylnaphthalene	50	U	50	51.7	210	ug/Kg
91-57-6	2-Methylnaphthalene	45	U	45	51.7	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96	U	96	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52	U	52	51.7	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	51	51.7	210	ug/Kg
92-52-4	1,1-Biphenyl	58	U	58	51.7	210	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	51.7	210	ug/Kg
88-74-4	2-Nitroaniline	27	U	27	51.7	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0756	SDG No.:	BM031924
Lab Sample ID:	P1787-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044661.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	51	U	51	51.7	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	51.7	210	ug/Kg
208-96-8	Acenaphthylene	52	U	52	51.7	210	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	100	400	ug/Kg
83-32-9	Acenaphthene	50	U	50	51.7	210	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	400	ug/Kg
100-02-7	4-Nitrophenol	50	U	50	100	400	ug/Kg
132-64-9	Dibenzofuran	56	U	56	51.7	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	33	U	33	51.7	210	ug/Kg
84-66-2	Diethylphthalate	73	U	73	51.7	210	ug/Kg
86-73-7	Fluorene	55	U	55	51.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	51.7	210	ug/Kg
100-01-6	4-Nitroaniline	51	U	51	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	51	U	51	51.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	51.7	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55	U	55	51.7	210	ug/Kg
118-74-1	Hexachlorobenzene	61	U	61	51.7	210	ug/Kg
1912-24-9	Atrazine	47	U	47	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	53	U	53	51.7	210	ug/Kg
608-93-5	Pentachlorobenzene	62	U	62	51.7	210	ug/Kg
120-12-7	Anthracene	52	U	52	51.7	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51.7	210	ug/Kg
86-74-8	Carbazole	55	U	55	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	51	U	51	51.7	210	ug/Kg
206-44-0	Fluoranthene	53	U	53	100	210	ug/Kg
129-00-0	Pyrene	53	U	53	51.7	210	ug/Kg
85-68-7	Butylbenzylphthalate	39	U	39	51.7	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	47	U	47	51.7	210	ug/Kg
218-01-9	Chrysene	55	U	55	51.7	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	53	U	53	51.7	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0756	SDG No.:	BM031924
Lab Sample ID:	P1787-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044661.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	41	U	41	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	U	51	51.7	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	55	U	55	51.7	210	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	51.7	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45	U	45	51.7	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45	U	45	51.7	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	43	U	43	51.7	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	51.7	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.164		15-120		77	SPK: -8
7291-22-7	Pyridine-d5	29.091		20-120		73	SPK: -40
4165-62-2	Phenol-d5	32.918		10-130		82	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	36.121		10-150		90	SPK: -40
93951-73-6	2-Chlorophenol-d4	34.565		15-120		86	SPK: -40
190780-66-6	4-Methylphenol-d8	31.675		10-140		79	SPK: -40
4165-60-0	Nitrobenzene-d5	39.987		10-135		100	SPK: -40
93951-78-1	2-Nitrophenol-d4	39.71		10-120		99	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	39.197		10-140		98	SPK: -40
191656-33-4	4-Chloroaniline-d4	33.195		1-145		83	SPK: -40
85448-30-2	Dimethylphthalate-d6	39.671		10-145		99	SPK: -40
93951-97-4	Acenaphthylene-d8	41.14		15-120		103	SPK: -40
93951-79-2	4-Nitrophenol-d4	30.488		10-150		76	SPK: -40
81103-79-9	Fluorene-d10	41.33		20-140		103	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	34.536		10-130		86	SPK: -40
1719-06-8	Anthracene-d10	43.508		10-150		109	SPK: -40
1718-52-1	Pyrene-d10	43.399		10-130		108	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	43.632		10-140		109	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	164847	7.698				
1146-65-2	Naphthalene-d8	656558	10.474				
15067-26-2	Acenaphthene-d10	368075	14.339				
1517-22-2	Phenanthrene-d10	688342	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0756	SDG No.:	BM031924
Lab Sample ID:	P1787-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18
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
BM044661.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	620328	21.291				
1520-96-3	Perylene-d12	727270	23.544				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	330	J			18.009	
000112-80-1	Oleic Acid	190	J			19.174	
000057-11-4	Octadecanoic acid	140	J			19.297	
000106-14-9	12-Hydroxystearic acid	84	J			20.38	
	(DEL) Alkane: Straight-Chain	21.027	J			21.027	
E966796	Total Alkanes	250				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776	SDG No.:	BM031924
Lab Sample ID:	P1787-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044662.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.4	75	ug/Kg
100-52-7	Benzaldehyde	85	U	85	93	370	ug/Kg
110-86-1	Pyridine	48	U	48	190	370	ug/Kg
108-95-2	Phenol	39	U	39	93	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	38	U	38	93	370	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	47.9	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	93	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	30	U	30	93	370	ug/Kg
98-86-2	Acetophenone	43	U	43	93	370	ug/Kg
106-44-5	4-Methylphenol	36	U	36	93	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	47.9	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	47.9	190	ug/Kg
98-95-3	Nitrobenzene	41	U	41	47.9	190	ug/Kg
78-59-1	Isophorone	38	U	38	47.9	190	ug/Kg
88-75-5	2-Nitrophenol	36	U	36	47.9	190	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	47.9	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	47.9	190	ug/Kg
120-83-2	2,4-Dichlorophenol	44	U	44	47.9	190	ug/Kg
91-20-3	Naphthalene	38	U	38	47.9	190	ug/Kg
106-47-8	4-Chloroaniline	48	U	48	47.9	370	ug/Kg
87-68-3	Hexachlorobutadiene	38	U	38	47.9	190	ug/Kg
105-60-2	Caprolactam	140	U	140	93	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	47.9	190	ug/Kg
90-12-0	1-Methylnaphthalene	46	U	46	47.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	47.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	89	U	89	93	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48	U	48	47.9	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47	U	47	47.9	190	ug/Kg
92-52-4	1,1-Biphenyl	54	U	54	47.9	190	ug/Kg
91-58-7	2-Chloronaphthalene	51	U	51	47.9	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	47.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776	SDG No.:	BM031924
Lab Sample ID:	P1787-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044662.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	47	U	47	47.9	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	47.9	190	ug/Kg
208-96-8	Acenaphthylene	48	U	48	47.9	190	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	93	370	ug/Kg
83-32-9	Acenaphthene	46	U	46	47.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	93	370	ug/Kg
100-02-7	4-Nitrophenol	46	U	46	93	370	ug/Kg
132-64-9	Dibenzofuran	52	U	52	47.9	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	30	U	30	47.9	190	ug/Kg
84-66-2	Diethylphthalate	68	U	68	47.9	190	ug/Kg
86-73-7	Fluorene	51	U	51	47.9	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53	U	53	47.9	190	ug/Kg
100-01-6	4-Nitroaniline	47	U	47	93	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	93	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	47	U	47	47.9	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	47.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	47.9	190	ug/Kg
118-74-1	Hexachlorobenzene	56	U	56	47.9	190	ug/Kg
1912-24-9	Atrazine	44	U	44	93	370	ug/Kg
87-86-5	Pentachlorophenol	98	U	98	93	370	ug/Kg
85-01-8	Phenanthrene	50	U	50	47.9	190	ug/Kg
608-93-5	Pentachlorobenzene	58	U	58	47.9	190	ug/Kg
120-12-7	Anthracene	48	U	48	47.9	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	37	U	37	47.9	190	ug/Kg
86-74-8	Carbazole	51	U	51	93	370	ug/Kg
84-74-2	Di-n-butylphthalate	47	U	47	47.9	190	ug/Kg
206-44-0	Fluoranthene	50	U	50	93	190	ug/Kg
129-00-0	Pyrene	50	U	50	47.9	190	ug/Kg
85-68-7	Butylbenzylphthalate	36	U	36	47.9	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	93	370	ug/Kg
56-55-3	Benzo(a)anthracene	44	U	44	47.9	190	ug/Kg
218-01-9	Chrysene	51	U	51	47.9	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50	U	50	47.9	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776	SDG No.:	BM031924
Lab Sample ID:	P1787-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044662.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	38	U	38	93	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	47.9	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	51	U	51	47.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	47	U	47	47.9	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	42	U	42	47.9	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42	U	42	47.9	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	39	U	39	47.9	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	47.9	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.139		15-120		64	SPK: -8
7291-22-7	Pyridine-d5	23.735		20-120		59	SPK: -40
4165-62-2	Phenol-d5	27.053		10-130		68	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	28.966		10-150		72	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.432		15-120		71	SPK: -40
190780-66-6	4-Methylphenol-d8	26.513		10-140		66	SPK: -40
4165-60-0	Nitrobenzene-d5	31.834		10-135		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.484		10-120		79	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.972		10-140		80	SPK: -40
191656-33-4	4-Chloroaniline-d4	26.02		1-145		65	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.085		10-145		80	SPK: -40
93951-97-4	Acenaphthylene-d8	32.818		15-120		82	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.906		10-150		62	SPK: -40
81103-79-9	Fluorene-d10	33.977		20-140		85	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.426		10-130		61	SPK: -40
1719-06-8	Anthracene-d10	34.698		10-150		87	SPK: -40
1718-52-1	Pyrene-d10	34.364		10-130		86	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.843		10-140		87	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	144350	7.698				
1146-65-2	Naphthalene-d8	563353	10.475				
15067-26-2	Acenaphthene-d10	314365	14.339				
1517-22-2	Phenanthrene-d10	622876	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776	SDG No.:	BM031924
Lab Sample ID:	P1787-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044662.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	577128	21.292				
1520-96-3	Perylene-d12	661893	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000127-18-4	Tetrachloroethylene	100	J			4.463	
000057-10-3	n-Hexadecanoic acid	330	J			18.009	
002027-47-6	9-Octadecenoic acid	520	J			19.18	
000057-11-4	Octadecanoic acid	240	J			19.298	
000106-14-9	12-Hydroxystearic acid	450	J			20.386	
	(DEL) Alkane: Cyclic	21.027	J			21.027	
E966796	Total Alkanes	220				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MS	SDG No.:	BM031924
Lab Sample ID:	P1787-07MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
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
BM044663.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	560		15	7.5	75	ug/Kg
100-52-7	Benzaldehyde	1500		85	93.2	370	ug/Kg
110-86-1	Pyridine	1300		49	190	370	ug/Kg
108-95-2	Phenol	1400		40	93.2	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1400		38	93.2	370	ug/Kg
95-57-8	2-Chlorophenol	1400		32	48	190	ug/Kg
95-48-7	2-Methylphenol	1300		34	93.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		30	93.2	370	ug/Kg
98-86-2	Acetophenone	1400		43	93.2	370	ug/Kg
106-44-5	4-Methylphenol	1300		36	93.2	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1400		33	48	190	ug/Kg
67-72-1	Hexachloroethane	1500		26	48	190	ug/Kg
98-95-3	Nitrobenzene	1600		41	48	190	ug/Kg
78-59-1	Isophorone	1500		38	48	190	ug/Kg
88-75-5	2-Nitrophenol	1500		36	48	190	ug/Kg
105-67-9	2,4-Dimethylphenol	900		32	48	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1500		43	48	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		44	48	190	ug/Kg
91-20-3	Naphthalene	1600		38	48	190	ug/Kg
106-47-8	4-Chloroaniline	900		49	48	370	ug/Kg
87-68-3	Hexachlorobutadiene	1700		38	48	190	ug/Kg
105-60-2	Caprolactam	1300		140	93.2	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		32	48	190	ug/Kg
90-12-0	1-Methylnaphthalene	1500		46	48	190	ug/Kg
91-57-6	2-Methylnaphthalene	1500		42	48	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		89	93.2	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		49	48	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		47	48	190	ug/Kg
92-52-4	1,1-Biphenyl	1500		54	48	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		51	48	190	ug/Kg
88-74-4	2-Nitroaniline	1600		25	48	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MS	SDG No.:	BM031924
Lab Sample ID:	P1787-07MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
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
BM044663.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1500		47	48	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		24	48	190	ug/Kg
208-96-8	Acenaphthylene	1500		49	48	190	ug/Kg
99-09-2	3-Nitroaniline	1400		23	93.2	370	ug/Kg
83-32-9	Acenaphthene	1500		46	48	190	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		140	93.2	370	ug/Kg
100-02-7	4-Nitrophenol	1600		46	93.2	370	ug/Kg
132-64-9	Dibenzofuran	1500		52	48	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		30	48	190	ug/Kg
84-66-2	Diethylphthalate	1500		68	48	190	ug/Kg
86-73-7	Fluorene	1600		51	48	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		53	48	190	ug/Kg
100-01-6	4-Nitroaniline	1700		47	93.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		18	93.2	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1600		47	48	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		58	48	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1700		51	48	190	ug/Kg
118-74-1	Hexachlorobenzene	1700		56	48	190	ug/Kg
1912-24-9	Atrazine	730		44	93.2	370	ug/Kg
87-86-5	Pentachlorophenol	1400		98	93.2	370	ug/Kg
85-01-8	Phenanthrene	1600		50	48	190	ug/Kg
608-93-5	Pentachlorobenzene	1700		58	48	190	ug/Kg
120-12-7	Anthracene	1600		49	48	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1700		37	48	190	ug/Kg
86-74-8	Carbazole	1600		51	93.2	370	ug/Kg
84-74-2	Di-n-butylphthalate	1600		47	48	190	ug/Kg
206-44-0	Fluoranthene	1500		50	93.2	190	ug/Kg
129-00-0	Pyrene	1600		50	48	190	ug/Kg
85-68-7	Butylbenzylphthalate	1600		36	48	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		26	93.2	370	ug/Kg
56-55-3	Benzo(a)anthracene	1500		44	48	190	ug/Kg
218-01-9	Chrysene	1500		51	48	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		50	48	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MS	SDG No.:	BM031924
Lab Sample ID:	P1787-07MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
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
BM044663.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1500		38	93.2	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		47	48	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		51	48	190	ug/Kg
50-32-8	Benzo(a)pyrene	1600		47	48	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		42	48	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		42	48	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		40	48	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		42	48	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.594		15-120		57	SPK: -8
7291-22-7	Pyridine-d5	22.265		20-120		56	SPK: -40
4165-62-2	Phenol-d5	24.535		10-130		61	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.715		10-150		64	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.551		15-120		64	SPK: -40
190780-66-6	4-Methylphenol-d8	22.617		10-140		57	SPK: -40
4165-60-0	Nitrobenzene-d5	28.09		10-135		70	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.902		10-120		70	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.577		10-140		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.646		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.345		10-145		68	SPK: -40
93951-97-4	Acenaphthylene-d8	28.213		15-120		71	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.895		10-150		65	SPK: -40
81103-79-9	Fluorene-d10	28.014		20-140		70	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.648		10-130		69	SPK: -40
1719-06-8	Anthracene-d10	29.421		10-150		74	SPK: -40
1718-52-1	Pyrene-d10	29.303		10-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.913		10-140		75	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	161587	7.693				
1146-65-2	Naphthalene-d8	656419	10.475				
15067-26-2	Acenaphthene-d10	385621	14.339				
1517-22-2	Phenanthrene-d10	758541	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MS	SDG No.:	BM031924
Lab Sample ID:	P1787-07MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.05	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
BM044663.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	688403	21.292				
1520-96-3	Perylene-d12	769896	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	54	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MSD	SDG No.:	BM031924
Lab Sample ID:	P1787-08MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.03 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
BM044664.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	520		15	7.5	75	ug/Kg
110-86-1	Pyridine	1200		49	190	370	ug/Kg
100-52-7	Benzaldehyde	1400		85	93.2	370	ug/Kg
108-95-2	Phenol	1300		40	93.2	370	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1300		38	93.2	370	ug/Kg
95-57-8	2-Chlorophenol	1400		32	48	190	ug/Kg
95-48-7	2-Methylphenol	1200		34	93.2	370	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		31	93.2	370	ug/Kg
98-86-2	Acetophenone	1300		43	93.2	370	ug/Kg
106-44-5	4-Methylphenol	1200		36	93.2	370	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1300		33	48	190	ug/Kg
67-72-1	Hexachloroethane	1400		26	48	190	ug/Kg
98-95-3	Nitrobenzene	1600		41	48	190	ug/Kg
78-59-1	Isophorone	1400		38	48	190	ug/Kg
88-75-5	2-Nitrophenol	1500		36	48	190	ug/Kg
105-67-9	2,4-Dimethylphenol	870		32	48	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1400		43	48	190	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		44	48	190	ug/Kg
91-20-3	Naphthalene	1500		38	48	190	ug/Kg
106-47-8	4-Chloroaniline	860		49	48	370	ug/Kg
87-68-3	Hexachlorobutadiene	1600		38	48	190	ug/Kg
105-60-2	Caprolactam	1300		140	93.2	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		32	48	190	ug/Kg
90-12-0	1-Methylnaphthalene	1400		46	48	190	ug/Kg
91-57-6	2-Methylnaphthalene	1500		42	48	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1500		89	93.2	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		49	48	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		47	48	190	ug/Kg
92-52-4	1,1-Biphenyl	1500		54	48	190	ug/Kg
91-58-7	2-Chloronaphthalene	1500		51	48	190	ug/Kg
88-74-4	2-Nitroaniline	1500		25	48	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MSD	SDG No.:	BM031924
Lab Sample ID:	P1787-08MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.03 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
BM044664.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1400		47	48	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		24	48	190	ug/Kg
208-96-8	Acenaphthylene	1500		49	48	190	ug/Kg
99-09-2	3-Nitroaniline	1400		23	93.2	370	ug/Kg
83-32-9	Acenaphthene	1500		46	48	190	ug/Kg
51-28-5	2,4-Dinitrophenol	1300		140	93.2	370	ug/Kg
100-02-7	4-Nitrophenol	1500		46	93.2	370	ug/Kg
132-64-9	Dibenzofuran	1500		52	48	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		31	48	190	ug/Kg
84-66-2	Diethylphthalate	1400		68	48	190	ug/Kg
86-73-7	Fluorene	1500		51	48	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		53	48	190	ug/Kg
100-01-6	4-Nitroaniline	1600		47	93.2	370	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		18	93.2	370	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1500		47	48	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		58	48	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		51	48	190	ug/Kg
118-74-1	Hexachlorobenzene	1600		57	48	190	ug/Kg
1912-24-9	Atrazine	700		44	93.2	370	ug/Kg
87-86-5	Pentachlorophenol	1400		98	93.2	370	ug/Kg
85-01-8	Phenanthrene	1500		50	48	190	ug/Kg
608-93-5	Pentachlorobenzene	1700		58	48	190	ug/Kg
120-12-7	Anthracene	1500		49	48	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1700		37	48	190	ug/Kg
86-74-8	Carbazole	1500		51	93.2	370	ug/Kg
84-74-2	Di-n-butylphthalate	1500		47	48	190	ug/Kg
206-44-0	Fluoranthene	1500		50	93.2	190	ug/Kg
129-00-0	Pyrene	1500		50	48	190	ug/Kg
85-68-7	Butylbenzylphthalate	1500		36	48	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		26	93.2	370	ug/Kg
56-55-3	Benzo(a)anthracene	1500		44	48	190	ug/Kg
218-01-9	Chrysene	1500		51	48	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		50	48	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MSD	SDG No.:	BM031924
Lab Sample ID:	P1787-08MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.03 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
BM044664.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1400		38	93.2	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		47	48	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		51	48	190	ug/Kg
50-32-8	Benzo(a)pyrene	1500		47	48	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		42	48	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		42	48	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		40	48	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		42	48	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.178		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	20.219		20-120		51	SPK: -40
4165-62-2	Phenol-d5	23.452		10-130		59	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	24.293		10-150		61	SPK: -40
93951-73-6	2-Chlorophenol-d4	24.544		15-120		61	SPK: -40
190780-66-6	4-Methylphenol-d8	21.76		10-140		54	SPK: -40
4165-60-0	Nitrobenzene-d5	26.774		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.135		10-120		68	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.547		10-140		71	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.105		1-145		53	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.479		10-145		66	SPK: -40
93951-97-4	Acenaphthylene-d8	27.188		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.29		10-150		63	SPK: -40
81103-79-9	Fluorene-d10	26.917		20-140		67	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.483		10-130		66	SPK: -40
1719-06-8	Anthracene-d10	27.831		10-150		70	SPK: -40
1718-52-1	Pyrene-d10	27.821		10-130		70	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	28.539		10-140		71	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172561	7.693				
1146-65-2	Naphthalene-d8	704752	10.475				
15067-26-2	Acenaphthene-d10	410446	14.339				
1517-22-2	Phenanthrene-d10	811162	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0776MSD	SDG No.:	BM031924
Lab Sample ID:	P1787-08MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	11.6
Sample Wt/Vol:	30.03 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
BM044664.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	730911	21.298				
1520-96-3	Perylene-d12	827839	23.544				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	54	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0757	SDG No.:	BM031924
Lab Sample ID:	P1787-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044665.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0757	SDG No.:	BM031924
Lab Sample ID:	P1787-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044665.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0757	SDG No.:	BM031924
Lab Sample ID:	P1787-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044665.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	40	U	40	98	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	50	U	50	50.5	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	50.5	200	ug/Kg
50-32-8	Benzo(a)pyrene	50	U	50	50.5	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	44	U	44	50.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	44	U	44	50.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	42	U	42	50.5	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	50.5	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.277		15-120		66	SPK: -8
7291-22-7	Pyridine-d5	25.421		20-120		64	SPK: -40
4165-62-2	Phenol-d5	28.452		10-130		71	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.191		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.036		15-120		75	SPK: -40
190780-66-6	4-Methylphenol-d8	27.699		10-140		69	SPK: -40
4165-60-0	Nitrobenzene-d5	34.456		10-135		86	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.13		10-120		85	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.996		10-140		82	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.257		1-145		76	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.987		10-145		87	SPK: -40
93951-97-4	Acenaphthylene-d8	35.663		15-120		89	SPK: -40
93951-79-2	4-Nitrophenol-d4	31.657		10-150		79	SPK: -40
81103-79-9	Fluorene-d10	36.303		20-140		91	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	30.562		10-130		76	SPK: -40
1719-06-8	Anthracene-d10	37.968		10-150		95	SPK: -40
1718-52-1	Pyrene-d10	37.343		10-130		93	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	37.655		10-140		94	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168440	7.692				
1146-65-2	Naphthalene-d8	676991	10.475				
15067-26-2	Acenaphthene-d10	391199	14.339				
1517-22-2	Phenanthrene-d10	784281	17.092				



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

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0757	SDG No.:	BM031924
Lab Sample ID:	P1787-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	16.1
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
BM044665.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	727840	21.292				
1520-96-3	Perylene-d12	871376	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	310	J			18.004	
000112-79-8	9-Octadecenoic acid, (E)-	82	J			19.174	
000057-11-4	Octadecanoic acid	86	J			19.292	
1000406-04-8	Pentadecafluorooctanoic acid, octa	280	J			21.021	
E966796	Total Alkanes	57	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0758	SDG No.:	BM031924
Lab Sample ID:	P1787-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM044666.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	16	U	16	8.1	81	ug/Kg
100-52-7	Benzaldehyde	92	U	92	100	400	ug/Kg
110-86-1	Pyridine	53	U	53	200	400	ug/Kg
108-95-2	Phenol	43	U	43	100	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	42	U	42	100	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.9	210	ug/Kg
95-48-7	2-Methylphenol	37	U	37	100	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	33	U	33	100	400	ug/Kg
98-86-2	Acetophenone	46	U	46	100	400	ug/Kg
106-44-5	4-Methylphenol	39	U	39	100	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	35	U	35	51.9	210	ug/Kg
67-72-1	Hexachloroethane	28	U	28	51.9	210	ug/Kg
98-95-3	Nitrobenzene	44	U	44	51.9	210	ug/Kg
78-59-1	Isophorone	42	U	42	51.9	210	ug/Kg
88-75-5	2-Nitrophenol	39	U	39	51.9	210	ug/Kg
105-67-9	2,4-Dimethylphenol	34	U	34	51.9	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	46	U	46	51.9	210	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	51.9	210	ug/Kg
91-20-3	Naphthalene	42	U	42	51.9	210	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	51.9	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51.9	210	ug/Kg
105-60-2	Caprolactam	150	U	150	100	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	34	U	34	51.9	210	ug/Kg
90-12-0	1-Methylnaphthalene	50	U	50	51.9	210	ug/Kg
91-57-6	2-Methylnaphthalene	45	U	45	51.9	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	96	U	96	100	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53	U	53	51.9	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	51	51.9	210	ug/Kg
92-52-4	1,1-Biphenyl	59	U	59	51.9	210	ug/Kg
91-58-7	2-Chloronaphthalene	55	U	55	51.9	210	ug/Kg
88-74-4	2-Nitroaniline	27	U	27	51.9	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0758	SDG No.:	BM031924
Lab Sample ID:	P1787-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM044666.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	51	U	51	51.9	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	26	U	26	51.9	210	ug/Kg
208-96-8	Acenaphthylene	53	U	53	51.9	210	ug/Kg
99-09-2	3-Nitroaniline	24	U	24	100	400	ug/Kg
83-32-9	Acenaphthene	50	U	50	51.9	210	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	100	400	ug/Kg
100-02-7	4-Nitrophenol	50	U	50	100	400	ug/Kg
132-64-9	Dibenzofuran	56	U	56	51.9	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	33	U	33	51.9	210	ug/Kg
84-66-2	Diethylphthalate	73	U	73	51.9	210	ug/Kg
86-73-7	Fluorene	55	U	55	51.9	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57	U	57	51.9	210	ug/Kg
100-01-6	4-Nitroaniline	51	U	51	100	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	100	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	51	U	51	51.9	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	51.9	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	55	U	55	51.9	210	ug/Kg
118-74-1	Hexachlorobenzene	61	U	61	51.9	210	ug/Kg
1912-24-9	Atrazine	48	U	48	100	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	400	ug/Kg
85-01-8	Phenanthrene	54	U	54	51.9	210	ug/Kg
608-93-5	Pentachlorobenzene	62	U	62	51.9	210	ug/Kg
120-12-7	Anthracene	53	U	53	51.9	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	40	U	40	51.9	210	ug/Kg
86-74-8	Carbazole	55	U	55	100	400	ug/Kg
84-74-2	Di-n-butylphthalate	51	U	51	51.9	210	ug/Kg
206-44-0	Fluoranthene	54	U	54	100	210	ug/Kg
129-00-0	Pyrene	54	U	54	51.9	210	ug/Kg
85-68-7	Butylbenzylphthalate	39	U	39	51.9	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	28	U	28	100	400	ug/Kg
56-55-3	Benzo(a)anthracene	48	U	48	51.9	210	ug/Kg
218-01-9	Chrysene	55	U	55	51.9	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	54	U	54	51.9	210	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0758	SDG No.:	BM031924
Lab Sample ID:	P1787-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM044666.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	42	U	42	100	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	51	U	51	51.9	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	55	U	55	51.9	210	ug/Kg
50-32-8	Benzo(a)pyrene	51	U	51	51.9	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	45	U	45	51.9	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	45	U	45	51.9	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	43	U	43	51.9	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	51.9	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.399		15-120		67	SPK: -8
7291-22-7	Pyridine-d5	25.506		20-120		64	SPK: -40
4165-62-2	Phenol-d5	27.546		10-130		69	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.405		10-150		74	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.196		15-120		73	SPK: -40
190780-66-6	4-Methylphenol-d8	26.515		10-140		66	SPK: -40
4165-60-0	Nitrobenzene-d5	32.234		10-135		81	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.697		10-120		82	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.662		10-140		79	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.387		1-145		71	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.66		10-145		79	SPK: -40
93951-97-4	Acenaphthylene-d8	32.294		15-120		81	SPK: -40
93951-79-2	4-Nitrophenol-d4	27.266		10-150		68	SPK: -40
81103-79-9	Fluorene-d10	32.642		20-140		82	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.687		10-130		67	SPK: -40
1719-06-8	Anthracene-d10	34.172		10-150		85	SPK: -40
1718-52-1	Pyrene-d10	32.979		10-130		82	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.727		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	180865	7.692				
1146-65-2	Naphthalene-d8	719969	10.475				
15067-26-2	Acenaphthene-d10	413490	14.339				
1517-22-2	Phenanthrene-d10	825344	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0758	SDG No.:	BM031924
Lab Sample ID:	P1787-03	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	18.1
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
BM044666.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	772649	21.292				
1520-96-3	Perylene-d12	918246	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	250	J			18.004	
1000406-04-8	Pentadecafluorooctanoic acid, octa	240	J			21.027	
E966796	Total Alkanes	59	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0759	SDG No.:	BM031924
Lab Sample ID:	P1787-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.6
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
BM044667.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	76	ug/Kg
100-52-7	Benzaldehyde	86	U	86	94.4	380	ug/Kg
110-86-1	Pyridine	49	U	49	190	380	ug/Kg
108-95-2	Phenol	40	U	40	94.4	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	94.4	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	48.6	190	ug/Kg
95-48-7	2-Methylphenol	34	U	34	94.4	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	94.4	380	ug/Kg
98-86-2	Acetophenone	43	U	43	94.4	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	94.4	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	48.6	190	ug/Kg
67-72-1	Hexachloroethane	26	U	26	48.6	190	ug/Kg
98-95-3	Nitrobenzene	41	U	41	48.6	190	ug/Kg
78-59-1	Isophorone	39	U	39	48.6	190	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	48.6	190	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	48.6	190	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	48.6	190	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	48.6	190	ug/Kg
91-20-3	Naphthalene	39	U	39	48.6	190	ug/Kg
106-47-8	4-Chloroaniline	49	U	49	48.6	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	48.6	190	ug/Kg
105-60-2	Caprolactam	140	U	140	94.4	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	48.6	190	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	48.6	190	ug/Kg
91-57-6	2-Methylnaphthalene	42	U	42	48.6	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	90	U	90	94.4	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	48.6	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	48.6	190	ug/Kg
92-52-4	1,1-Biphenyl	55	U	55	48.6	190	ug/Kg
91-58-7	2-Chloronaphthalene	51	U	51	48.6	190	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	48.6	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0759	SDG No.:	BM031924
Lab Sample ID:	P1787-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.6
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
BM044667.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	48	U	48	48.6	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	48.6	190	ug/Kg
208-96-8	Acenaphthylene	49	U	49	48.6	190	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	94.4	380	ug/Kg
83-32-9	Acenaphthene	47	U	47	48.6	190	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	94.4	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	94.4	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	48.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	48.6	190	ug/Kg
84-66-2	Diethylphthalate	69	U	69	48.6	190	ug/Kg
86-73-7	Fluorene	51	U	51	48.6	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	48.6	190	ug/Kg
100-01-6	4-Nitroaniline	48	U	48	94.4	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	94.4	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	48	U	48	48.6	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58	U	58	48.6	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51	U	51	48.6	190	ug/Kg
118-74-1	Hexachlorobenzene	57	U	57	48.6	190	ug/Kg
1912-24-9	Atrazine	45	U	45	94.4	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	94.4	380	ug/Kg
85-01-8	Phenanthrene	50	U	50	48.6	190	ug/Kg
608-93-5	Pentachlorobenzene	58	U	58	48.6	190	ug/Kg
120-12-7	Anthracene	49	U	49	48.6	190	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	48.6	190	ug/Kg
86-74-8	Carbazole	51	U	51	94.4	380	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	48	48.6	190	ug/Kg
206-44-0	Fluoranthene	50	U	50	94.4	190	ug/Kg
129-00-0	Pyrene	50	U	50	48.6	190	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	48.6	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	26	U	26	94.4	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	48.6	190	ug/Kg
218-01-9	Chrysene	51	U	51	48.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	50	U	50	48.6	190	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0759	SDG No.:	BM031924
Lab Sample ID:	P1787-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.6
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
BM044667.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	39	U	39	94.4	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	48	U	48	48.6	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	51	U	51	48.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	48	U	48	48.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	42	U	42	48.6	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	42	U	42	48.6	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	48.6	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	42	U	42	48.6	190	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.033		15-120		50	SPK: -8
7291-22-7	Pyridine-d5	19.139		20-120		48	SPK: -40
4165-62-2	Phenol-d5	20.675		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	22.017		10-150		55	SPK: -40
93951-73-6	2-Chlorophenol-d4	21.879		15-120		55	SPK: -40
190780-66-6	4-Methylphenol-d8	19.997		10-140		50	SPK: -40
4165-60-0	Nitrobenzene-d5	23.755		10-135		59	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.548		10-120		59	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	23.311		10-140		58	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.621		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.666		10-145		62	SPK: -40
93951-97-4	Acenaphthylene-d8	24.729		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.009		10-150		45	SPK: -40
81103-79-9	Fluorene-d10	25.492		20-140		64	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	18.226		10-130		46	SPK: -40
1719-06-8	Anthracene-d10	26.686		10-150		67	SPK: -40
1718-52-1	Pyrene-d10	26.461		10-130		66	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.323		10-140		68	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154586	7.692				
1146-65-2	Naphthalene-d8	613636	10.474				
15067-26-2	Acenaphthene-d10	343151	14.339				
1517-22-2	Phenanthrene-d10	667165	17.098				



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Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0759	SDG No.:	BM031924
Lab Sample ID:	P1787-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	12.6
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
BM044667.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	609611	21.291				
1520-96-3	Perylene-d12	715954	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000127-18-4	Tetrachloroethylene	83	J			4.463	
000057-10-3	n-Hexadecanoic acid	200	J			18.003	
002027-47-6	9-Octadecenoic acid	120	J			19.174	
	(DEL) Alkane: Cyclic21.021	200	J			21.021	
E966796	Total Alkanes	200				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0760	SDG No.:	BM031924
Lab Sample ID:	P1787-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044668.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.6	77	ug/Kg
100-52-7	Benzaldehyde	87	U	87	95.3	380	ug/Kg
110-86-1	Pyridine	50	U	50	190	380	ug/Kg
108-95-2	Phenol	40	U	40	95.3	380	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	39	U	39	95.3	380	ug/Kg
95-57-8	2-Chlorophenol	32	U	32	49.1	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	95.3	380	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	31	U	31	95.3	380	ug/Kg
98-86-2	Acetophenone	44	U	44	95.3	380	ug/Kg
106-44-5	4-Methylphenol	37	U	37	95.3	380	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	33	U	33	49.1	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.1	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.1	200	ug/Kg
78-59-1	Isophorone	39	U	39	49.1	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.1	200	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	49.1	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.1	200	ug/Kg
120-83-2	2,4-Dichlorophenol	45	U	45	49.1	200	ug/Kg
91-20-3	Naphthalene	39	U	39	49.1	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.1	380	ug/Kg
87-68-3	Hexachlorobutadiene	39	U	39	49.1	200	ug/Kg
105-60-2	Caprolactam	140	U	140	95.3	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	32	U	32	49.1	200	ug/Kg
90-12-0	1-Methylnaphthalene	47	U	47	49.1	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.1	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	91	U	91	95.3	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.1	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48	U	48	49.1	200	ug/Kg
92-52-4	1,1-Biphenyl	55	U	55	49.1	200	ug/Kg
91-58-7	2-Chloronaphthalene	52	U	52	49.1	200	ug/Kg
88-74-4	2-Nitroaniline	25	U	25	49.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0760	SDG No.:	BM031924
Lab Sample ID:	P1787-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044668.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	48	U	48	49.1	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	49.1	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.1	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	95.3	380	ug/Kg
83-32-9	Acenaphthene	47	U	47	49.1	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	95.3	380	ug/Kg
100-02-7	4-Nitrophenol	47	U	47	95.3	380	ug/Kg
132-64-9	Dibenzofuran	53	U	53	49.1	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	31	U	31	49.1	200	ug/Kg
84-66-2	Diethylphthalate	69	U	69	49.1	200	ug/Kg
86-73-7	Fluorene	52	U	52	49.1	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54	U	54	49.1	200	ug/Kg
100-01-6	4-Nitroaniline	48	U	48	95.3	380	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	95.3	380	ug/Kg
86-30-6	N-Nitrosodiphenylamine	48	U	48	49.1	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	49.1	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	52	U	52	49.1	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.1	200	ug/Kg
1912-24-9	Atrazine	45	U	45	95.3	380	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	95.3	380	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.1	200	ug/Kg
608-93-5	Pentachlorobenzene	59	U	59	49.1	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.1	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	38	U	38	49.1	200	ug/Kg
86-74-8	Carbazole	52	U	52	95.3	380	ug/Kg
84-74-2	Di-n-butylphthalate	48	U	48	49.1	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	95.3	200	ug/Kg
129-00-0	Pyrene	51	U	51	49.1	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.1	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	95.3	380	ug/Kg
56-55-3	Benzo(a)anthracene	45	U	45	49.1	200	ug/Kg
218-01-9	Chrysene	52	U	52	49.1	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.1	200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0760	SDG No.:	BM031924
Lab Sample ID:	P1787-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044668.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	39	U	39	95.3	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	48	U	48	49.1	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	52	U	52	49.1	200	ug/Kg
50-32-8	Benzo(a)pyrene	48	U	48	49.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.1	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.1	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	49.1	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.1	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.144		15-120		52	SPK: -8
7291-22-7	Pyridine-d5	19.837		20-120		50	SPK: -40
4165-62-2	Phenol-d5	22.533		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.918		10-150		60	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.723		15-120		59	SPK: -40
190780-66-6	4-Methylphenol-d8	22.08		10-140		55	SPK: -40
4165-60-0	Nitrobenzene-d5	26.738		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.388		10-120		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.496		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.992		1-145		57	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.252		10-145		68	SPK: -40
93951-97-4	Acenaphthylene-d8	27.733		15-120		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	21.746		10-150		54	SPK: -40
81103-79-9	Fluorene-d10	28.457		20-140		71	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.342		10-130		53	SPK: -40
1719-06-8	Anthracene-d10	29.136		10-150		73	SPK: -40
1718-52-1	Pyrene-d10	29.259		10-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	29.693		10-140		74	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147130	7.692				
1146-65-2	Naphthalene-d8	576001	10.475				
15067-26-2	Acenaphthene-d10	328996	14.339				
1517-22-2	Phenanthrene-d10	654003	17.092				

Report of Analysis

Client:		Date Collected:	3/13/2024 12:00:00 AM
Project:		Date Received:	3/13/2024 12:00:00 AM
Client Sample ID:	E0760	SDG No.:	BM031924
Lab Sample ID:	P1787-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	13.4
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044668.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	600383	21.292				
1520-96-3	Perylene-d12	710504	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	250	J			18.004	
000112-80-1	Oleic Acid	130	J			19.174	
000057-11-4	Octadecanoic acid	85	J			19.292	
000106-14-9	12-Hydroxystearic acid	79	J			20.38	
	(DEL) Alkane: Cyclic	21.021	J			21.021	
E966796	Total Alkanes	190				99	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SLCS639	SDG No.:	BM031924
Lab Sample ID:	PB159639BS	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
BM044669.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

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	960		75	82.5	330	ug/Kg
110-86-1	Pyridine	860		43	170	330	ug/Kg
108-95-2	Phenol	930		35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	930		34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	980		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	890		30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		27	82.5	330	ug/Kg
98-86-2	Acetophenone	900		38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	870		32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	910		29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1000		23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1100		36	42.5	170	ug/Kg
78-59-1	Isophorone	990		34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1000		32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	970		28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1000		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	1200		34	42.5	170	ug/Kg
105-60-2	Caprolactam	810		120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	990		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1000		37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		42	42.5	170	ug/Kg
92-52-4	1,1-Biphenyl	1100		48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1100		45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1000		22	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SLCS639	SDG No.:	BM031924
Lab Sample ID:	PB159639BS	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
BM044669.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	980		42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	980		21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1000		43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	940		20	82.5	330	ug/Kg
83-32-9	Acenaphthene	1000		41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	830		120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	990		41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1000		46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	970		27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	970		60	42.5	170	ug/Kg
86-73-7	Fluorene	1000		45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1100		42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		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	460		39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	900		87	82.5	330	ug/Kg
85-01-8	Phenanthrene	1100		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	1100		45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1000		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	950		32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1000		39	42.5	170	ug/Kg
218-01-9	Chrysene	1000		45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		44	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SLCS639	SDG No.:	BM031924
Lab Sample ID:	PB159639BS	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
BM044669.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	950		34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		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	1200		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	930		37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.539		15-120		69	SPK: -8
7291-22-7	Pyridine-d5	27.607		20-120		69	SPK: -40
4165-62-2	Phenol-d5	27.83		10-130		70	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.363		10-150		73	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.674		15-120		74	SPK: -40
190780-66-6	4-Methylphenol-d8	26.398		10-140		66	SPK: -40
4165-60-0	Nitrobenzene-d5	32.141		10-135		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.279		10-120		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.638		10-140		82	SPK: -40
191656-33-4	4-Chloroaniline-d4	26.017		1-145		65	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.049		10-145		75	SPK: -40
93951-97-4	Acenaphthylene-d8	31.159		15-120		78	SPK: -40
93951-79-2	4-Nitrophenol-d4	28.299		10-150		71	SPK: -40
81103-79-9	Fluorene-d10	30.776		20-140		77	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	31.997		10-130		80	SPK: -40
1719-06-8	Anthracene-d10	32.329		10-150		81	SPK: -40
1718-52-1	Pyrene-d10	31.682		10-130		79	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.258		10-140		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	169065	7.693				
1146-65-2	Naphthalene-d8	675779	10.475				
15067-26-2	Acenaphthene-d10	376186	14.339				
1517-22-2	Phenanthrene-d10	717782	17.098				



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	SLCS639	SDG No.:	BM031924
Lab Sample ID:	PB159639BS	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
BM044669.D	1	3/18/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159639

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	640000	21.298				
1520-96-3	Perylene-d12	724848	23.544				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	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:	SLCS668	SDG No.:	BM031924
Lab Sample ID:	PB159668BS	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044670.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	12		0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	30		2.5	5	10	ug/L
110-86-1	Pyridine	28		1.4	10	10	ug/L
108-95-2	Phenol	30		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	30		1.4	5	10	ug/L
95-57-8	2-Chlorophenol	32		1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	29		1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	33		1.4	5	10	ug/L
98-86-2	Acetophenone	29		1.5	5	10	ug/L
106-44-5	4-Methylphenol	28		1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	29		1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	33		1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	35		1.4	2.5	5	ug/L
78-59-1	Isophorone	32		1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	34		1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	33		0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	32		1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	34		1.5	2.5	5	ug/L
91-20-3	Naphthalene	34		1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	20		1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	37		1.2	2.5	5	ug/L
105-60-2	Caprolactam	27		4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	31		1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	32		1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	32		1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	35		3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	33		1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	33		1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	34		1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	34		1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	34		1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS668	SDG No.:	BM031924
Lab Sample ID:	PB159668BS	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044670.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	32		1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	32		1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	33		1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	30		0.84	5	10	ug/L
83-32-9	Acenaphthene	33		1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	27		5.9	5	10	ug/L
100-02-7	4-Nitrophenol	33		1.5	5	10	ug/L
132-64-9	Dibenzofuran	33		1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	32		1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	32		1.5	2.5	5	ug/L
86-73-7	Fluorene	34		1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	35		1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	37		1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	34		0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	35		1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	36		1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	37		1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	37		1.6	2.5	5	ug/L
1912-24-9	Atrazine	15		1.6	5	10	ug/L
87-86-5	Pentachlorophenol	30		3.6	5	10	ug/L
85-01-8	Phenanthrene	35		1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	38		1.5	2.5	5	ug/L
120-12-7	Anthracene	35		1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	39		1.2	2.5	5	ug/L
86-74-8	Carbazole	35		1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	33		1.7	2.5	5	ug/L
206-44-0	Fluoranthene	34		1.7	5	5	ug/L
129-00-0	Pyrene	34		1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	31		1.5	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	36		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	34		1.4	2.5	5	ug/L
218-01-9	Chrysene	34		1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	34		1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SLCS668	SDG No.:	BM031924
Lab Sample ID:	PB159668BS	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044670.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	31		1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	33		1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	34		1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	34		1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	38		1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	39		1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	38		1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	30		1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.98		15-120		75	SPK: -8
7291-22-7	Pyridine-d5	29.773		20-120		74	SPK: -40
4165-62-2	Phenol-d5	29.813		10-130		75	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.274		25-120		78	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.856		20-130		80	SPK: -40
190780-66-6	4-Methylphenol-d8	28.655		25-125		72	SPK: -40
4165-60-0	Nitrobenzene-d5	34.904		20-125		87	SPK: -40
93951-78-1	2-Nitrophenol-d4	35.035		20-130		88	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	35.483		20-120		89	SPK: -40
191656-33-4	4-Chloroaniline-d4	27.432		1-146		69	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.516		25-130		81	SPK: -40
93951-97-4	Acenaphthylene-d8	33.718		10-130		84	SPK: -40
93951-79-2	4-Nitrophenol-d4	31.713		10-150		79	SPK: -40
81103-79-9	Fluorene-d10	33.309		25-125		83	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	34.474		10-130		86	SPK: -40
1719-06-8	Anthracene-d10	35.377		25-130		88	SPK: -40
1718-52-1	Pyrene-d10	34.436		15-130		86	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	35.796		20-130		89	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	163172	7.692				
1146-65-2	Naphthalene-d8	651200	10.475				
15067-26-2	Acenaphthene-d10	364248	14.339				
1517-22-2	Phenanthrene-d10	701285	17.098				



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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:	SLCS668	SDG No.:	BM031924
Lab Sample ID:	PB159668BS	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044670.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	630337	21.292				
1520-96-3	Perylene-d12	716588	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK668	SDG No.:	BM031924
Lab Sample ID:	PB159668BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044671.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.49	U	0.49	0.5	2	ug/L
100-52-7	Benzaldehyde	2.5	U	2.5	5	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.4	U	1.4	5	10	ug/L
95-57-8	2-Chlorophenol	1.3	U	1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	1.4	U	1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	5	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5	10	ug/L
106-44-5	4-Methylphenol	1.4	U	1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.6	U	1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	0.98	U	0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.5	5	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.5	5	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.3	U	3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.5	5	ug/L
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK668	SDG No.:	BM031924
Lab Sample ID:	PB159668BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044671.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1.5	U	1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	0.84	U	0.84	5	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	5.9	U	5.9	5	10	ug/L
100-02-7	4-Nitrophenol	1.5	U	1.5	5	10	ug/L
132-64-9	Dibenzofuran	1.5	U	1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.5	5	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.3	U	1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.94	U	0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.5	5	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	3.6	U	3.6	5	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.5	5	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.5	5	ug/L
86-74-8	Carbazole	1.6	U	1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	1.7	U	1.7	2.5	5	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5	5	ug/L
129-00-0	Pyrene	1.7	U	1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	1.4	U	1.4	2.5	5	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	SBLK668	SDG No.:	BM031924
Lab Sample ID:	PB159668BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044671.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1.4	U	1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.909		15-120		74	SPK: -8
7291-22-7	Pyridine-d5	27.853		20-120		70	SPK: -40
4165-62-2	Phenol-d5	27.078		10-130		68	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.117		25-120		73	SPK: -40
93951-73-6	2-Chlorophenol-d4	29.089		20-130		73	SPK: -40
190780-66-6	4-Methylphenol-d8	25.703		25-125		64	SPK: -40
4165-60-0	Nitrobenzene-d5	32.017		20-125		80	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.169		20-130		78	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.77		20-120		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.196		1-146		70	SPK: -40
85448-30-2	Dimethylphthalate-d6	30.455		25-130		76	SPK: -40
93951-97-4	Acenaphthylene-d8	31.006		10-130		78	SPK: -40
93951-79-2	4-Nitrophenol-d4	24.011		10-150		60	SPK: -40
81103-79-9	Fluorene-d10	31.333		25-125		78	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.684		10-130		62	SPK: -40
1719-06-8	Anthracene-d10	33.174		25-130		83	SPK: -40
1718-52-1	Pyrene-d10	33.011		15-130		83	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.496		20-130		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	160285	7.693				
1146-65-2	Naphthalene-d8	628698	10.475				
15067-26-2	Acenaphthene-d10	349476	14.339				
1517-22-2	Phenanthrene-d10	669596	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:	SBLK668	SDG No.:	BM031924
Lab Sample ID:	PB159668BL	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044671.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	584451	21.292				
1520-96-3	Perylene-d12	719428	23.539				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	C0AK2	SDG No.:	BM031924
Lab Sample ID:	P1779-08	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044672.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.6	J	0.49	0.51	2	ug/L
100-52-7	Benzaldehyde	2.5	U	2.5	5.1	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10.1	10	ug/L
108-95-2	Phenol	1.4	U	1.4	5.1	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.4	U	1.4	5.1	10	ug/L
95-57-8	2-Chlorophenol	1.3	U	1.3	2.5	5.1	ug/L
95-48-7	2-Methylphenol	1.4	U	1.4	5.1	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	5.1	10	ug/L
98-86-2	Acetophenone	1.5	U	1.5	5.1	10	ug/L
106-44-5	4-Methylphenol	1.4	U	1.4	5.1	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.6	U	1.6	2.5	5.1	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.5	5.1	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.5	5.1	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.5	5.1	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.5	5.1	ug/L
105-67-9	2,4-Dimethylphenol	0.99	U	0.99	2.5	5.1	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.5	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.5	5.1	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.5	5.1	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.5	5.1	ug/L
105-60-2	Caprolactam	4.5	U	4.5	5.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.5	5.1	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.5	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.5	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	3.3	U	3.3	5.1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.5	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.5	5.1	ug/L
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.5	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.5	5.1	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.5	5.1	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	C0AK2	SDG No.:	BM031924
Lab Sample ID:	P1779-08	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044672.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
131-11-3	Dimethylphthalate	1.5	U	1.5	2.5	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.5	5.1	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.5	5.1	ug/L
99-09-2	3-Nitroaniline	0.85	U	0.85	5.1	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.5	5.1	ug/L
51-28-5	2,4-Dinitrophenol	6	U	6	5.1	10	ug/L
100-02-7	4-Nitrophenol	1.5	U	1.5	5.1	10	ug/L
132-64-9	Dibenzofuran	1.5	U	1.5	2.5	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.5	5.1	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.5	5.1	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.5	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.5	5.1	ug/L
100-01-6	4-Nitroaniline	1.3	U	1.3	5.1	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	0.95	U	0.95	5.1	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.5	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.5	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.5	5.1	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.5	5.1	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5.1	10	ug/L
87-86-5	Pentachlorophenol	3.6	U	3.6	5.1	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.5	5.1	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.5	5.1	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.5	5.1	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.5	5.1	ug/L
86-74-8	Carbazole	1.6	U	1.6	5.1	10	ug/L
84-74-2	Di-n-butylphthalate	1.7	U	1.7	2.5	5.1	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5.1	5.1	ug/L
129-00-0	Pyrene	1.7	U	1.7	2.5	5.1	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	2.5	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.1	U	1.1	5.1	10	ug/L
56-55-3	Benzo(a)anthracene	1.4	U	1.4	2.5	5.1	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.5	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.5	5.1	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	C0AK2	SDG No.:	BM031924
Lab Sample ID:	P1779-08	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044672.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
117-84-0	Di-n-octyl phthalate	1.4	U	1.4	5.1	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.6	U	1.6	2.5	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.5	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.5	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.5	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.5	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.5	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.5	5.1	ug/L
SURROGATES							
7291-22-7	Pyridine-d5	6.808	*	20-120		17	SPK: -40
17647-74-4	1,4-Dioxane-d8	6.384		15-120		80	SPK: -8
4165-62-2	Phenol-d5	6.921		10-130		17	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	36.209		25-120		91	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.281		20-130		68	SPK: -40
190780-66-6	4-Methylphenol-d8	15.35		25-125		38	SPK: -40
4165-60-0	Nitrobenzene-d5	39.975		20-125		100	SPK: -40
93951-78-1	2-Nitrophenol-d4	37.25		20-130		93	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.431		20-120		84	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.107		1-146		70	SPK: -40
85448-30-2	Dimethylphthalate-d6	37.134		25-130		93	SPK: -40
93951-97-4	Acenaphthylene-d8	38.359		10-130		96	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.628		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	38.381		25-125		96	SPK: -40
93951-76-9	4,6-Dinitro-2-methylphenol-d2	31.418		10-130		79	SPK: -40
1719-06-8	Anthracene-d10	41.288		25-130		103	SPK: -40
1718-52-1	Pyrene-d10	41.036		15-130		103	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	41.386		20-130		103	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155366	7.692				
1146-65-2	Naphthalene-d8	612608	10.475				
15067-26-2	Acenaphthene-d10	343154	14.339				
1517-22-2	Phenanthrene-d10	651253	17.098				



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	C0AK2	SDG No.:	BM031924
Lab Sample ID:	P1779-08	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044672.D	1	3/19/2024 12:00:00 AM	3/19/2024 12:00:00 AM	PB159668

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
1719-03-5	Chrysene-d12	569200	21.292				
1520-96-3	Perylene-d12	686191	23.538				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Hit Summary Sheet

SW-846

SDG No.: BM031924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0AK2								
P1779-08	C0AK2	Water	Total Alkanes	*	0.000	1.7	5.1	ug/L
			Total Tics :			0.00		
P1779-08	C0AK2	Water	1,4-Dioxane		1.600	J 0.49	2	ug/L
			Total Svoc :			1.60		
			Total Concentration:			1.60		
Client ID : SVOC-GPC-BLANK								
P1782-05	SVOC-GPC-BLANK	Solid	Total Alkanes	*	0.000	140	510	ug/Kg
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : E0756								
P1787-01	E0756	Solid	(DEL) Alkane: Straight-Chain21.(	*	250.000	J		
P1787-01	E0756	Solid	12-Hydroxystearic acid	*	84.000	J		
P1787-01	E0756	Solid	n-Hexadecanoic acid	*	330.000	J		
P1787-01	E0756	Solid	Octadecanoic acid	*	140.000	J		
P1787-01	E0756	Solid	Oleic Acid	*	190.000	J		
P1787-01	E0756	Solid	Total Alkanes	*	250.000	58	210	ug/Kg
			Total Tics :			1,244.00		
			Total Concentration:			1,244.00		
Client ID : E0757								
P1787-02	E0757	Solid	9-Octadecenoic acid, (E)-	*	82.000	J		
P1787-02	E0757	Solid	n-Hexadecanoic acid	*	310.000	J		
P1787-02	E0757	Solid	Octadecanoic acid	*	86.000	J		
P1787-02	E0757	Solid	Pentadecafluorooctanoic acid, oct:	*	280.000	J		
P1787-02	E0757	Solid	Total Alkanes	*	0.000	57	200	ug/Kg
			Total Tics :			758.00		
			Total Concentration:			758.00		
Client ID : E0758								
P1787-03	E0758	Solid	n-Hexadecanoic acid	*	250.000	J		
P1787-03	E0758	Solid	Pentadecafluorooctanoic acid, oct:	*	240.000	J		
P1787-03	E0758	Solid	Total Alkanes	*	0.000	59	210	ug/Kg
			Total Tics :			490.00		
			Total Concentration:			490.00		
Client ID : E0759								
P1787-04	E0759	Solid	(DEL) Alkane: Cyclic21.021	*	200.000	J		
P1787-04	E0759	Solid	9-Octadecenoic acid	*	120.000	J		
P1787-04	E0759	Solid	n-Hexadecanoic acid	*	200.000	J		
P1787-04	E0759	Solid	Tetrachloroethylene	*	83.000	J		

Hit Summary Sheet SW-846

SDG No.: BM031924

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1787-04	E0759	Solid	Total Alkanes	*	200.000	55	190	ug/Kg
Total Tics :				803.00				
Total Concentration:				803.00				
Client ID : E0760								
P1787-05	E0760	Solid	(DEL) Alkane: Cyclic21.021	*	190.000	J		
P1787-05	E0760	Solid	12-Hydroxystearic acid	*	79.000	J		
P1787-05	E0760	Solid	n-Hexadecanoic acid	*	250.000	J		
P1787-05	E0760	Solid	Octadecanoic acid	*	85.000	J		
P1787-05	E0760	Solid	Oleic Acid	*	130.000	J		
P1787-05	E0760	Solid	Total Alkanes	*	190.000	55	200	ug/Kg
Total Tics :				924.00				
Total Concentration:				924.00				
Client ID : E0776								
P1787-06	E0776	Solid	(DEL) Alkane: Cyclic21.027	*	220.000	J		
P1787-06	E0776	Solid	12-Hydroxystearic acid	*	450.000	J		
P1787-06	E0776	Solid	9-Octadecenoic acid	*	520.000	J		
P1787-06	E0776	Solid	n-Hexadecanoic acid	*	330.000	J		
P1787-06	E0776	Solid	Octadecanoic acid	*	240.000	J		
P1787-06	E0776	Solid	Tetrachloroethylene	*	100.000	J		
P1787-06	E0776	Solid	Total Alkanes	*	220.000	54	190	ug/Kg
Total Tics :				2,080.00				
Total Concentration:				2,080.00				

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.

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



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM031924 SAS No.: BM031924 SDG NO.: BM031924EPA Sample No.: SSTD020022 Date Analyzed: Mar 19 2024 12:00AMLab File ID: BM044502.D Time Analyzed: 11:57Instrument 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	SBLK639	177367	7.70	721738	10.48	411280	14.34
02	SVOC-GPC-BLANK	199806	7.70	794473	10.48	475601	14.34
03	E0756	164847	7.70	656558	10.47	368075 *	14.34
04	E0776	144350	7.70	563353 *	10.48	314365 *	14.34
05	E0776MS	161587	7.69	656419	10.48	385621 *	14.34
06	E0776MSD	172561	7.69	704752	10.48	410446	14.34
07	E0757	168440	7.69	676991	10.48	391199	14.34
08	E0758	180865	7.69	719969	10.48	413490	14.34
09	E0759	154586	7.69	613636 *	10.47	343151 *	14.34
10	E0760	147130	7.69	576001 *	10.48	328996 *	14.34
11	SLCS639	169065	7.69	675779	10.48	376186 *	14.34
12	SLCS668	163172	7.69	651200	10.48	364248 *	14.34
13	SBLK668	160285	7.69	628698	10.48	349476 *	14.34
14	C0AK2	155366	7.69	612608 *	10.48	343154 *	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.: BM031924 SAS No.: BM031924 SDG NO.: BM031924EPA Sample No.: SSTD020076 Date Analyzed: Mar 19 2024 12:00AMLab File ID: BM044658.D Time Analyzed: 11:57Instrument 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	190187	7.698	780163	10.48	441745	14.34
	UPPER LIMIT	380374	8.198	1560326	10.975	883490	14.839
	LOWER LIMIT	95093.5	7.198	390081.5	9.975	220872.5	13.839
	EPA SAMPLE NO.						
01	SBLK639	177367	7.70	721738	10.48	411280	14.34
02	SVOC-GPC-BLANK	199806	7.70	794473	10.48	475601	14.34
03	E0756	164847	7.70	656558	10.47	368075	14.34
04	E0776	144350	7.70	563353	10.48	314365	14.34
05	E0776MS	161587	7.69	656419	10.48	385621	14.34
06	E0776MSD	172561	7.69	704752	10.48	410446	14.34
07	E0757	168440	7.69	676991	10.48	391199	14.34
08	E0758	180865	7.69	719969	10.48	413490	14.34
09	E0759	154586	7.69	613636	10.47	343151	14.34
10	E0760	147130	7.69	576001	10.48	328996	14.34
11	SLCS639	169065	7.69	675779	10.48	376186	14.34
12	SLCS668	163172	7.69	651200	10.48	364248	14.34
13	SBLK668	160285	7.69	628698	10.48	349476	14.34
14	C0AK2	155366	7.69	612608	10.48	343154	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.: BM031924 SAS No.: BM031924 SDG NO.: BM031924

EPA Sample No.: SSTD020022 Date Analyzed: Mar 19 2024 12:00AM

Lab File ID: BM044502.D Time Analyzed: 11:57

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 SBLK639	773881 *	17.09	635267 *	21.29	787268 *	23.54
02 SVOC-GPC-BLANK	894271	17.10	722348 *	21.29	857311	23.54
03 E0756	688342 *	17.10	620328 *	21.29	727270 *	23.54
04 E0776	622876 *	17.10	577128 *	21.29	661893 *	23.54
05 E0776MS	758541 *	17.10	688403 *	21.29	769896 *	23.54
06 E0776MSD	811162	17.10	730911 *	21.30	827839	23.54
07 E0757	784281 *	17.09	727840 *	21.29	871376	23.54
08 E0758	825344	17.10	772649	21.29	918246	23.54
09 E0759	667165 *	17.10	609611 *	21.29	715954 *	23.54
10 E0760	654003 *	17.09	600383 *	21.29	710504 *	23.54
11 SLCS639	717782 *	17.10	640000 *	21.30	724848 *	23.54
12 SLCS668	701285 *	17.10	630337 *	21.29	716588 *	23.54
13 SBLK668	669596 *	17.09	584451 *	21.29	719428 *	23.54
14 C0AK2	651253 *	17.10	569200 *	21.29	686191 *	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.: BM031924 SAS No.: BM031924 SDG NO.: BM031924

EPA Sample No.: SSTD020076 Date Analyzed: Mar 19 2024 12:00AM

Lab File ID: BM044658.D Time Analyzed: 11:57

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	813622	17.098	705774	21.291	815056	23.538
UPPER LIMIT	1627244	17.598	1411548	21.791	1630112	24.038
LOWER LIMIT	406811	16.598	352887	20.791	407528	23.038
EPA SAMPLE NO.						
01 SBLK639	773881	17.09	635267	21.29	787268	23.54
02 SVOC-GPC-BLANK	894271	17.10	722348	21.29	857311	23.54
03 E0756	688342	17.10	620328	21.29	727270	23.54
04 E0776	622876	17.10	577128	21.29	661893	23.54
05 E0776MS	758541	17.10	688403	21.29	769896	23.54
06 E0776MSD	811162	17.10	730911	21.30	827839	23.54
07 E0757	784281	17.09	727840	21.29	871376	23.54
08 E0758	825344	17.10	772649	21.29	918246	23.54
09 E0759	667165	17.10	609611	21.29	715954	23.54
10 E0760	654003	17.09	600383	21.29	710504	23.54
11 SLCS639	717782	17.10	640000	21.30	724848	23.54
12 SLCS668	701285	17.10	630337	21.29	716588	23.54
13 SBLK668	669596	17.09	584451	21.29	719428	23.54
14 C0AK2	651253	17.10	569200	21.29	686191	23.54

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

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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.: BM031924

Client: _____

Analytical Method: SFAM_SVOC DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159639BS	1,4-Dioxane	530	380	ug/Kg	72				0	0		
	Benzaldehyde	1300	960	ug/Kg	74				0	0		
	Pyridine	1300	860	ug/Kg	66				0	0		
	Phenol	1300	930	ug/Kg	72				0	0		
	Bis(2-chloroethyl)ether	1300	930	ug/Kg	72				0	0		
	2-Chlorophenol	1300	980	ug/Kg	75				0	0		
	2-Methylphenol	1300	890	ug/Kg	68				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1000	ug/Kg	77				0	0		
	Acetophenone	1300	900	ug/Kg	69				0	0		
	4-Methylphenol	1300	870	ug/Kg	67				0	0		
	N-Nitroso-di-n-propylamine	1300	910	ug/Kg	70				0	0		
	Hexachloroethane	1300	1000	ug/Kg	77				0	0		
	Nitrobenzene	1300	1100	ug/Kg	85				0	0		
	Isophorone	1300	990	ug/Kg	76				0	0		
	2-Nitrophenol	1300	1000	ug/Kg	77				0	0		
	2,4-Dimethylphenol	1300	970	ug/Kg	75				0	0		
	Bis(2-chloroethoxy)methane	1300	1000	ug/Kg	77				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	1200	ug/Kg	92				0	0		
	Caprolactam	1300	810	ug/Kg	62				0	0		
	4-Chloro-3-methylphenol	1300	950	ug/Kg	73				0	0		
	1-Methylnaphthalene	1300	990	ug/Kg	76				0	0		
	2-Methylnaphthalene	1300	1000	ug/Kg	77				0	0		
	Hexachlorocyclopentadiene	1300	1000	ug/Kg	77				0	0		
	2,4,6-Trichlorophenol	1300	1000	ug/Kg	77				0	0		
	2,4,5-Trichlorophenol	1300	1000	ug/Kg	77				0	0		
	1,1'-Biphenyl	1300	1100	ug/Kg	85				0	0		
	2-Chloronaphthalene	1300	1100	ug/Kg	85				0	0		
	2-Nitroaniline	1300	1000	ug/Kg	77				0	0		
	Dimethylphthalate	1300	980	ug/Kg	75				0	0		
	2,6-Dinitrotoluene	1300	980	ug/Kg	75				0	0		
	Acenaphthylene	1300	1000	ug/Kg	77				0	0		
	3-Nitroaniline	1300	940	ug/Kg	72				0	0		
	Acenaphthene	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrophenol	1300	830	ug/Kg	64				0	0		
	4-Nitrophenol	1300	990	ug/Kg	76				0	0		
	Dibenzofuran	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrotoluene	1300	970	ug/Kg	75				0	0		
	Diethylphthalate	1300	970	ug/Kg	75				0	0		
	Fluorene	1300	1000	ug/Kg	77				0	0		
	4-Chlorophenyl-phenylether	1300	1100	ug/Kg	85				0	0		
	4-Nitroaniline	1300	1100	ug/Kg	85				0	0		
	4,6-Dinitro-2-methylphenol	1300	1000	ug/Kg	77				0	0		
	N-Nitrosodiphenylamine	1300	1100	ug/Kg	85				0	0		



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

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159639BS	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	460	ug/Kg	35				0	0		
	Pentachlorophenol	1300	900	ug/Kg	69				0	0		
	Phenanthrene	1300	1100	ug/Kg	85				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	1100	ug/Kg	85				0	0		
	Di-n-butylphthalate	1300	1000	ug/Kg	77				0	0		
	Fluoranthene	1300	1000	ug/Kg	77				0	0		
	Pyrene	1300	1000	ug/Kg	77				0	0		
	Butylbenzylphthalate	1300	950	ug/Kg	73				0	0		
	3,3'-Dichlorobenzidine	1300	1100	ug/Kg	85				0	0		
	Benzo(a)anthracene	1300	1000	ug/Kg	77				0	0		
	Chrysene	1300	1000	ug/Kg	77				0	0		
	Bis(2-ethylhexyl)phthalate	1300	1000	ug/Kg	77				0	0		
	Di-n-octylphthalate	1300	950	ug/Kg	73				0	0		
	Benzo(b)fluoranthene	1300	1100	ug/Kg	85				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	1200	ug/Kg	92				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	930	ug/Kg	72				0	0		



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

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159668BS	1,4-Dioxane	16	12	ug/L	75				0	0		
	Benzaldehyde	40	30	ug/L	75				0	0		
	Pyridine	40	28	ug/L	70				0	0		
	Phenol	40	30	ug/L	75				0	0		
	Bis(2-chloroethyl)ether	40	30	ug/L	75				0	0		
	2-Chlorophenol	40	32	ug/L	80				0	0		
	2-Methylphenol	40	29	ug/L	73				0	0		
	2,2-oxybis(1-Chloropropane)	40	33	ug/L	83				0	0		
	Acetophenone	40	29	ug/L	73				0	0		
	4-Methylphenol	40	28	ug/L	70				0	0		
	N-Nitroso-di-n-propylamine	40	29	ug/L	73				0	0		
	Hexachloroethane	40	33	ug/L	83				0	0		
	Nitrobenzene	40	35	ug/L	88				0	0		
	Isophorone	40	32	ug/L	80				0	0		
	2-Nitrophenol	40	34	ug/L	85				0	0		
	2,4-Dimethylphenol	40	33	ug/L	83				0	0		
	Bis(2-chloroethoxy)methane	40	32	ug/L	80				0	0		
	2,4-Dichlorophenol	40	34	ug/L	85				0	0		
	Naphthalene	40	34	ug/L	85				0	0		
	4-Chloroaniline	40	20	ug/L	50				0	0		
	Hexachlorobutadiene	40	37	ug/L	93				0	0		
	Caprolactam	40	27	ug/L	68				0	0		
	4-Chloro-3-methylphenol	40	31	ug/L	78				0	0		
	1-Methylnaphthalene	40	32	ug/L	80				0	0		
	2-Methylnaphthalene	40	32	ug/L	80				0	0		
	Hexachlorocyclopentadiene	40	35	ug/L	88				0	0		
	2,4,6-Trichlorophenol	40	33	ug/L	83				0	0		
	2,4,5-Trichlorophenol	40	33	ug/L	83				0	0		
	1,1'-Biphenyl	40	34	ug/L	85				0	0		
	2-Chloronaphthalene	40	34	ug/L	85				0	0		
	2-Nitroaniline	40	34	ug/L	85				0	0		
	Dimethylphthalate	40	32	ug/L	80				0	0		
	2,6-Dinitrotoluene	40	32	ug/L	80				0	0		
	Acenaphthylene	40	33	ug/L	83				0	0		
	3-Nitroaniline	40	30	ug/L	75				0	0		
	Acenaphthene	40	33	ug/L	83				0	0		
	2,4-Dinitrophenol	40	27	ug/L	68				0	0		
	4-Nitrophenol	40	33	ug/L	83				0	0		
	Dibenzofuran	40	33	ug/L	83				0	0		
	2,4-Dinitrotoluene	40	32	ug/L	80				0	0		
	Diethylphthalate	40	32	ug/L	80				0	0		
	Fluorene	40	34	ug/L	85				0	0		
	4-Chlorophenyl-phenylether	40	35	ug/L	88				0	0		
	4-Nitroaniline	40	37	ug/L	93				0	0		
	4,6-Dinitro-2-methylphenol	40	34	ug/L	85				0	0		
	N-Nitrosodiphenylamine	40	35	ug/L	88				0	0		



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

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159668BS	1,2,4,5-Tetrachlorobenzene	40	36	ug/L	90				0	0	
	4-Bromophenyl-phenylether	40	37	ug/L	93				0	0	
	Hexachlorobenzene	40	37	ug/L	93				0	0	
	Atrazine	40	15	ug/L	38				0	0	
	Pentachlorophenol	40	30	ug/L	75				0	0	
	Phenanthrene	40	35	ug/L	88				0	0	
	Pentachlorobenzene	40	38	ug/L	95				0	0	
	Anthracene	40	35	ug/L	88				0	0	
	1,2,3,4-Tetrachlorobenzene	40	39	ug/L	98				0	0	
	Carbazole	40	35	ug/L	88				0	0	
	Di-n-butylphthalate	40	33	ug/L	83				0	0	
	Fluoranthene	40	34	ug/L	85				0	0	
	Pyrene	40	34	ug/L	85				0	0	
	Butylbenzylphthalate	40	31	ug/L	78				0	0	
	3,3'-Dichlorobenzidine	40	36	ug/L	90				0	0	
	Benzo(a)anthracene	40	34	ug/L	85				0	0	
	Chrysene	40	34	ug/L	85				0	0	
	Bis(2-ethylhexyl)phthalate	40	34	ug/L	85				0	0	
	Di-n-octylphthalate	40	31	ug/L	78				0	0	
	Benzo(b)fluoranthene	40	33	ug/L	83				0	0	
	Benzo(k)fluoranthene	40	34	ug/L	85				0	0	
	Benzo(a)pyrene	40	34	ug/L	85				0	0	
	Indeno(1,2,3-cd)pyrene	40	38	ug/L	95				0	0	
	Dibenzo(a,h)anthracene	40	39	ug/L	98				0	0	
	Benzo(g,h,i)perylene	40	38	ug/L	95				0	0	
	2,3,4,6-Tetrachlorophenol	40	30	ug/L	75				0	0	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK639

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031924

SAS No.: BM031924 SDG NO.: BM031924

Lab File ID: BM044659.D

Lab Sample ID: PB159639BL

Instrument ID: BNA_M

Date Extracted: 03/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 03/19/2024

Level: (low/med) LOW

Time Analyzed: 11:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E0756	P1787-01	BM044661.D	03/19/2024
E0776	P1787-06	BM044662.D	03/19/2024
E0776MS	P1787-07MS	BM044663.D	03/19/2024
E0776MSD	P1787-08MSD	BM044664.D	03/19/2024
E0757	P1787-02	BM044665.D	03/19/2024
E0758	P1787-03	BM044666.D	03/19/2024
E0759	P1787-04	BM044667.D	03/19/2024
E0760	P1787-05	BM044668.D	03/19/2024
PB159639BS	PB159639BS	BM044669.D	03/19/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVOC-GPC-BLANK

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031924SAS No.: BM031924 SDG NO.: BM031924Lab File ID: BM044660.DLab Sample ID: P1782-05Instrument ID: BNA_MDate Extracted: 03/18/2024Matrix: (soil/water) SolidDate Analyzed: 03/19/2024Level: (low/med) LOWTime Analyzed: 12:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SVOC-GPC-BLANK	P1782-05	BM044660.D	03/19/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK668

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM031924SAS No.: BM031924 SDG NO.: BM031924Lab File ID: BM044671.DLab Sample ID: PB159668BLInstrument ID: BNA_MDate Extracted: 03/19/2024Matrix: (soil/water) WaterDate Analyzed: 03/19/2024Level: (low/med) LOWTime Analyzed: 19:23

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AK2	P1779-08	BM044672.D	03/19/2024
PB159668BS	PB159668BS	BM044670.D	03/19/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	High	RPD
Lab Sample ID:	P1787-07MS	Client Sample ID:	E0776MS					DataFile:	BM044663.D		
1,4-Dioxane	600		560	ug/Kg	93				15	120	
Benzaldehyde	1500		1500	ug/Kg	100				0	0	
Pyridine	1500		1300	ug/Kg	87				0	0	
Phenol	1500		1400	ug/Kg	93	*			26	90	
Bis(2-chloroethyl)ether	1500		1400	ug/Kg	93				0	0	
2-Chlorophenol	1500		1400	ug/Kg	93				25	102	
2-Methylphenol	1500		1300	ug/Kg	87				0	0	
2,2-oxybis(1-Chloropropane)	1500		1500	ug/Kg	100				0	0	
Acetophenone	1500		1400	ug/Kg	93				0	0	
4-Methylphenol	1500		1300	ug/Kg	87				0	0	
N-Nitroso-di-n-propylamine	1500		1400	ug/Kg	93				41	126	
Hexachloroethane	1500		1500	ug/Kg	100				0	0	
Nitrobenzene	1500		1600	ug/Kg	107				0	0	
Isophorone	1500		1500	ug/Kg	100				0	0	
2-Nitrophenol	1500		1500	ug/Kg	100				0	0	
2,4-Dimethylphenol	1500		900	ug/Kg	60				0	0	
Bis(2-chloroethoxy)methane	1500		1500	ug/Kg	100				0	0	
2,4-Dichlorophenol	1500		1600	ug/Kg	107				0	0	
Naphthalene	1500		1600	ug/Kg	107				0	0	
4-Chloroaniline	1500		900	ug/Kg	60				0	0	
Hexachlorobutadiene	1500		1700	ug/Kg	113				0	0	
Caprolactam	1500		1300	ug/Kg	87				0	0	
4-Chloro-3-methylphenol	1500		1500	ug/Kg	100				26	103	
1-Methylnaphthalene	1500		1500	ug/Kg	100				0	0	
2-Methylnaphthalene	1500		1500	ug/Kg	100				0	0	
Hexachlorocyclopentadiene	1500		1500	ug/Kg	100				0	0	
2,4,6-Trichlorophenol	1500		1500	ug/Kg	100				0	0	
2,4,5-Trichlorophenol	1500		1500	ug/Kg	100				0	0	
1,1'-Biphenyl	1500		1500	ug/Kg	100				0	0	
2-Chloronaphthalene	1500		1500	ug/Kg	100				0	0	
2-Nitroaniline	1500		1600	ug/Kg	107				0	0	
Dimethylphthalate	1500		1500	ug/Kg	100				0	0	
2,6-Dinitrotoluene	1500		1500	ug/Kg	100				0	0	
Acenaphthylene	1500		1500	ug/Kg	100				0	0	
3-Nitroaniline	1500		1400	ug/Kg	93				0	0	
Acenaphthene	1500		1500	ug/Kg	100				31	137	
2,4-Dinitrophenol	1500		1400	ug/Kg	93				0	0	
4-Nitrophenol	1500		1600	ug/Kg	107				11	114	
Dibenzofuran	1500		1500	ug/Kg	100				0	0	
2,4-Dinitrotoluene	1500		1500	ug/Kg	100	*			28	89	
Diethylphthalate	1500		1500	ug/Kg	100				0	0	
Fluorene	1500		1600	ug/Kg	107				0	0	
4-Chlorophenyl-phenylether	1500		1600	ug/Kg	107				0	0	
4-Nitroaniline	1500		1700	ug/Kg	113				0	0	
4,6-Dinitro-2-methylphenol	1500		1500	ug/Kg	100				0	0	
N-Nitrosodiphenylamine	1500		1600	ug/Kg	107				0	0	
1,2,4,5-Tetrachlorobenzene	1500		1600	ug/Kg	107				0	0	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	RPD
		Result				Qual		Qual		High	
4-Bromophenyl-phenylether	1500		1700	ug/Kg	113				0	0	
Hexachlorobenzene	1500		1700	ug/Kg	113				0	0	
Atrazine	1500		730	ug/Kg	49				0	0	
Pentachlorophenol	1500		1400	ug/Kg	93				17	109	
Phenanthrene	1500		1600	ug/Kg	107				0	0	
Pentachlorobenzene	1500		1700	ug/Kg	113				0	0	
Anthracene	1500		1600	ug/Kg	107				0	0	
1,2,3,4-Tetrachlorobenzene	1500		1700	ug/Kg	113				0	0	
Carbazole	1500		1600	ug/Kg	107				0	0	
Di-n-butylphthalate	1500		1600	ug/Kg	107				0	0	
Fluoranthene	1500		1500	ug/Kg	100				0	0	
Pyrene	1500		1600	ug/Kg	107				35	142	
Butylbenzylphthalate	1500		1600	ug/Kg	107				0	0	
3,3'-Dichlorobenzidine	1500		1200	ug/Kg	80				0	0	
Benzo(a)anthracene	1500		1500	ug/Kg	100				0	0	
Chrysene	1500		1500	ug/Kg	100				0	0	
Bis(2-ethylhexyl)phthalate	1500		1600	ug/Kg	107				0	0	
Di-n-octylphthalate	1500		1500	ug/Kg	100				0	0	
Benzo(b)fluoranthene	1500		1600	ug/Kg	107				0	0	
Benzo(k)fluoranthene	1500		1500	ug/Kg	100				0	0	
Benzo(a)pyrene	1500		1600	ug/Kg	107				0	0	
Indeno(1,2,3-cd)pyrene	1500		1700	ug/Kg	113				0	0	
Dibenzo(a,h)anthracene	1500		1800	ug/Kg	120				0	0	
Benzo(g,h,i)perylene	1500		1700	ug/Kg	113				0	0	
2,3,4,6-Tetrachlorophenol	1500		1400	ug/Kg	93				0	0	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	P1787-08MSD	Client Sample ID:	E0776MSD					DataFile:	BM044664.D		
1,4-Dioxane	600		520	ug/Kg	87	7			15	120	50
Benzaldehyde	1500		1400	ug/Kg	93	7	*		0	0	0
Pyridine	1500		1200	ug/Kg	80	8	*		0	0	0
Phenol	1500		1300	ug/Kg	87	7			26	90	35
Bis(2-chloroethyl)ether	1500		1300	ug/Kg	87	7	*		0	0	0
2-Chlorophenol	1500		1400	ug/Kg	93	0			25	102	50
2-Methylphenol	1500		1200	ug/Kg	80	8	*		0	0	0
2,2-oxybis(1-Chloropropane)	1500		1400	ug/Kg	93	7	*		0	0	0
Acetophenone	1500		1300	ug/Kg	87	7	*		0	0	0
4-Methylphenol	1500		1200	ug/Kg	80	8	*		0	0	0
N-Nitroso-di-n-propylamine	1500		1300	ug/Kg	87	7			41	126	38
Hexachloroethane	1500		1400	ug/Kg	93	7	*		0	0	0
Nitrobenzene	1500		1600	ug/Kg	107	0			0	0	0
Isophorone	1500		1400	ug/Kg	93	7	*		0	0	0
2-Nitrophenol	1500		1500	ug/Kg	100	0			0	0	0
2,4-Dimethylphenol	1500		870	ug/Kg	58	3	*		0	0	0
Bis(2-chloroethoxy)methane	1500		1400	ug/Kg	93	7	*		0	0	0
2,4-Dichlorophenol	1500		1500	ug/Kg	100	7	*		0	0	0
Naphthalene	1500		1500	ug/Kg	100	7	*		0	0	0
4-Chloroaniline	1500		860	ug/Kg	57	5	*		0	0	0
Hexachlorobutadiene	1500		1600	ug/Kg	107	5	*		0	0	0
Caprolactam	1500		1300	ug/Kg	87	0			0	0	0
4-Chloro-3-methylphenol	1500		1400	ug/Kg	93	7			26	103	33
1-Methylnaphthalene	1500		1400	ug/Kg	93	7	*		0	0	0
2-Methylnaphthalene	1500		1500	ug/Kg	100	0			0	0	0
Hexachlorocyclopentadiene	1500		1500	ug/Kg	100	0			0	0	0
2,4,6-Trichlorophenol	1500		1400	ug/Kg	93	7	*		0	0	0
2,4,5-Trichlorophenol	1500		1500	ug/Kg	100	0			0	0	0
1,1'-Biphenyl	1500		1500	ug/Kg	100	0			0	0	0
2-Chloronaphthalene	1500		1500	ug/Kg	100	0			0	0	0
2-Nitroaniline	1500		1500	ug/Kg	100	7	*		0	0	0
Dimethylphthalate	1500		1400	ug/Kg	93	7	*		0	0	0
2,6-Dinitrotoluene	1500		1400	ug/Kg	93	7	*		0	0	0
Acenaphthylene	1500		1500	ug/Kg	100	0			0	0	0
3-Nitroaniline	1500		1400	ug/Kg	93	0			0	0	0
Acenaphthene	1500		1500	ug/Kg	100	0			31	137	19
2,4-Dinitrophenol	1500		1300	ug/Kg	87	7	*		0	0	0
4-Nitrophenol	1500		1500	ug/Kg	100	7			11	114	50
Dibenzofuran	1500		1500	ug/Kg	100	0			0	0	0
2,4-Dinitrotoluene	1500		1400	ug/Kg	93	*	7		28	89	47
Diethylphthalate	1500		1400	ug/Kg	93	7	*		0	0	0
Fluorene	1500		1500	ug/Kg	100	7	*		0	0	0
4-Chlorophenyl-phenylether	1500		1500	ug/Kg	100	7	*		0	0	0
4-Nitroaniline	1500		1600	ug/Kg	107	5	*		0	0	0
4,6-Dinitro-2-methylphenol	1500		1500	ug/Kg	100	0			0	0	0
N-Nitrosodiphenylamine	1500		1500	ug/Kg	100	7	*		0	0	0
1,2,4,5-Tetrachlorobenzene	1500		1600	ug/Kg	107	0			0	0	0



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec	RPD	RPD	Limits		
						Qual		Qual	Low	High	RPD
4-Bromophenyl-phenylether	1500		1600	ug/Kg	107	5	*		0	0	0
Hexachlorobenzene	1500		1600	ug/Kg	107	5	*		0	0	0
Atrazine	1500		700	ug/Kg	47	4	*		0	0	0
Pentachlorophenol	1500		1400	ug/Kg	93	0			17	109	47
Phenanthrene	1500		1500	ug/Kg	100	7	*		0	0	0
Pentachlorobenzene	1500		1700	ug/Kg	113	0			0	0	0
Anthracene	1500		1500	ug/Kg	100	7	*		0	0	0
1,2,3,4-Tetrachlorobenzene	1500		1700	ug/Kg	113	0			0	0	0
Carbazole	1500		1500	ug/Kg	100	7	*		0	0	0
Di-n-butylphthalate	1500		1500	ug/Kg	100	7	*		0	0	0
Fluoranthene	1500		1500	ug/Kg	100	0			0	0	0
Pyrene	1500		1500	ug/Kg	100	7			35	142	36
Butylbenzylphthalate	1500		1500	ug/Kg	100	7	*		0	0	0
3,3'-Dichlorobenzidine	1500		1200	ug/Kg	80	0			0	0	0
Benzo(a)anthracene	1500		1500	ug/Kg	100	0			0	0	0
Chrysene	1500		1500	ug/Kg	100	0			0	0	0
Bis(2-ethylhexyl)phthalate	1500		1500	ug/Kg	100	7	*		0	0	0
Di-n-octylphthalate	1500		1400	ug/Kg	93	7	*		0	0	0
Benzo(b)fluoranthene	1500		1500	ug/Kg	100	7	*		0	0	0
Benzo(k)fluoranthene	1500		1500	ug/Kg	100	0			0	0	0
Benzo(a)pyrene	1500		1500	ug/Kg	100	7	*		0	0	0
Indeno(1,2,3-cd)pyrene	1500		1700	ug/Kg	113	0			0	0	0
Dibenzo(a,h)anthracene	1500		1700	ug/Kg	113	6	*		0	0	0
Benzo(g,h,i)perylene	1500		1700	ug/Kg	113	0			0	0	0
2,3,4,6-Tetrachlorophenol	1500		1400	ug/Kg	93	0			0	0	0

Surrogate Summary

SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1787-01	E0756	BM044661.D	1,4-Dioxane-d8	8	6.16	77		15	120
			Pyridine-d5	40	29.09	73		20	120
			Phenol-d5	40	32.92	82		10	130
			Bis(2-Chloroethyl)ether-d8	40	36.12	90		10	150
			2-Chlorophenol-d4	40	34.57	86		15	120
			4-Methylphenol-d8	40	31.68	79		10	140
			Nitrobenzene-d5	40	39.99	100		10	135
			2-Nitrophenol-d4	40	39.71	99		10	120
			2,4-Dichlorophenol-d3	40	39.20	98		10	140
			4-Chloroaniline-d4	40	33.20	83		1	145
			Dimethylphthalate-d6	40	39.67	99		10	145
			Acenaphthylene-d8	40	41.14	103		15	120
			4-Nitrophenol-d4	40	30.49	76		10	150
			Fluorene-d10	40	41.33	103		20	140
			4,6-Dinitro-2-methylphenol-d2	40	34.54	86		10	130
			Anthracene-d10	40	43.51	109		10	150
			Pyrene-d10	40	43.40	108		10	130
			Benzo(a)pyrene-d12	40	43.63	109		10	140
P1787-02	E0757	BM044665.D	1,4-Dioxane-d8	8	5.28	66		15	120
			Pyridine-d5	40	25.42	64		20	120
			Phenol-d5	40	28.45	71		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.19	75		10	150
			2-Chlorophenol-d4	40	30.04	75		15	120
			4-Methylphenol-d8	40	27.70	69		10	140
			Nitrobenzene-d5	40	34.46	86		10	135
			2-Nitrophenol-d4	40	34.13	85		10	120
			2,4-Dichlorophenol-d3	40	33.00	82		10	140
			4-Chloroaniline-d4	40	30.26	76		1	145
			Dimethylphthalate-d6	40	34.99	87		10	145
			Acenaphthylene-d8	40	35.66	89		15	120
			4-Nitrophenol-d4	40	31.66	79		10	150
			Fluorene-d10	40	36.30	91		20	140
			4,6-Dinitro-2-methylphenol-d2	40	30.56	76		10	130
			Anthracene-d10	40	37.97	95		10	150
			Pyrene-d10	40	37.34	93		10	130
			Benzo(a)pyrene-d12	40	37.66	94		10	140
P1787-03	E0758	BM044666.D	1,4-Dioxane-d8	8	5.40	67		15	120
			Pyridine-d5	40	25.51	64		20	120
			Phenol-d5	40	27.55	69		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.41	74		10	150
			2-Chlorophenol-d4	40	29.20	73		15	120
			4-Methylphenol-d8	40	26.52	66		10	140
			Nitrobenzene-d5	40	32.23	81		10	135
			2-Nitrophenol-d4	40	32.70	82		10	120
			2,4-Dichlorophenol-d3	40	31.66	79		10	140
			4-Chloroaniline-d4	40	28.39	71		1	145
			Dimethylphthalate-d6	40	31.66	79		10	145
			Acenaphthylene-d8	40	32.29	81		15	120
			4-Nitrophenol-d4	40	27.27	68		10	150
			Fluorene-d10	40	32.64	82		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.69	67		10	130

Surrogate Summary

SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1787-03	E0758	BM044666.D	Anthracene-d10	40	34.17	85		10	150
			Pyrene-d10	40	32.98	82		10	130
			Benzo(a)pyrene-d12	40	33.73	84		10	140
P1787-04	E0759	BM044667.D	1,4-Dioxane-d8	8	4.03	50		15	120
			Pyridine-d5	40	19.14	48		20	120
			Phenol-d5	40	20.68	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	22.02	55		10	150
			2-Chlorophenol-d4	40	21.88	55		15	120
			4-Methylphenol-d8	40	20.00	50		10	140
			Nitrobenzene-d5	40	23.76	59		10	135
			2-Nitrophenol-d4	40	23.55	59		10	120
			2,4-Dichlorophenol-d3	40	23.31	58		10	140
			4-Chloroaniline-d4	40	20.62	52		1	145
			Dimethylphthalate-d6	40	24.67	62		10	145
			Acenaphthylene-d8	40	24.73	62		15	120
			4-Nitrophenol-d4	40	18.01	45		10	150
			Fluorene-d10	40	25.49	64		20	140
			4,6-Dinitro-2-methylphenol-d2	40	18.23	46		10	130
			Anthracene-d10	40	26.69	67		10	150
			Pyrene-d10	40	26.46	66		10	130
			Benzo(a)pyrene-d12	40	27.32	68		10	140
P1787-05	E0760	BM044668.D	1,4-Dioxane-d8	8	4.14	52		15	120
			Pyridine-d5	40	19.84	50		20	120
			Phenol-d5	40	22.53	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.92	60		10	150
			2-Chlorophenol-d4	40	23.72	59		15	120
			4-Methylphenol-d8	40	22.08	55		10	140
			Nitrobenzene-d5	40	26.74	67		10	135
			2-Nitrophenol-d4	40	26.39	66		10	120
			2,4-Dichlorophenol-d3	40	26.50	66		10	140
			4-Chloroaniline-d4	40	22.99	57		1	145
			Dimethylphthalate-d6	40	27.25	68		10	145
			Acenaphthylene-d8	40	27.73	69		15	120
			4-Nitrophenol-d4	40	21.75	54		10	150
			Fluorene-d10	40	28.46	71		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.34	53		10	130
			Anthracene-d10	40	29.14	73		10	150
			Pyrene-d10	40	29.26	73		10	130
			Benzo(a)pyrene-d12	40	29.69	74		10	140
P1787-06	E0776	BM044662.D	1,4-Dioxane-d8	8	5.14	64		15	120
			Pyridine-d5	40	23.74	59		20	120
			Phenol-d5	40	27.05	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.97	72		10	150
			2-Chlorophenol-d4	40	28.43	71		15	120
			4-Methylphenol-d8	40	26.51	66		10	140
			Nitrobenzene-d5	40	31.83	80		10	135
			2-Nitrophenol-d4	40	31.48	79		10	120
			2,4-Dichlorophenol-d3	40	31.97	80		10	140
			4-Chloroaniline-d4	40	26.02	65		1	145
			Dimethylphthalate-d6	40	32.09	80		10	145
			Acenaphthylene-d8	40	32.82	82		15	120

Surrogate Summary

SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1787-06	E0776	BM044662.D	4-Nitrophenol-d4	40	24.91	62		10	150
			Fluorene-d10	40	33.98	85		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.43	61		10	130
			Anthracene-d10	40	34.70	87		10	150
			Pyrene-d10	40	34.36	86		10	130
P1787-07MS	E0776MS	BM044663.D	Benzo(a)pyrene-d12	40	34.84	87		10	140
			1,4-Dioxane-d8	8	4.59	57		15	120
			Pyridine-d5	40	22.27	56		20	120
			Phenol-d5	40	24.54	61		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.72	64		10	150
			2-Chlorophenol-d4	40	25.55	64		15	120
			4-Methylphenol-d8	40	22.62	57		10	140
			Nitrobenzene-d5	40	28.09	70		10	135
			2-Nitrophenol-d4	40	27.90	70		10	120
			2,4-Dichlorophenol-d3	40	29.58	74		10	140
			4-Chloroaniline-d4	40	21.65	54		1	145
			Dimethylphthalate-d6	40	27.35	68		10	145
			Acenaphthylene-d8	40	28.21	71		15	120
			4-Nitrophenol-d4	40	25.90	65		10	150
			Fluorene-d10	40	28.01	70		20	140
			4,6-Dinitro-2-methylphenol-d2	40	27.65	69		10	130
			Anthracene-d10	40	29.42	74		10	150
			Pyrene-d10	40	29.30	73		10	130
			Benzo(a)pyrene-d12	40	29.91	75		10	140
P1787-08MSD	E0776MSD	BM044664.D	1,4-Dioxane-d8	8	4.18	52		15	120
			Pyridine-d5	40	20.22	51		20	120
			Phenol-d5	40	23.45	59		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.29	61		10	150
			2-Chlorophenol-d4	40	24.54	61		15	120
			4-Methylphenol-d8	40	21.76	54		10	140
			Nitrobenzene-d5	40	26.77	67		10	135
			2-Nitrophenol-d4	40	27.14	68		10	120
			2,4-Dichlorophenol-d3	40	28.55	71		10	140
			4-Chloroaniline-d4	40	21.11	53		1	145
			Dimethylphthalate-d6	40	26.48	66		10	145
			Acenaphthylene-d8	40	27.19	68		15	120
			4-Nitrophenol-d4	40	25.29	63		10	150
			Fluorene-d10	40	26.92	67		20	140
			4,6-Dinitro-2-methylphenol-d2	40	26.48	66		10	130
			Anthracene-d10	40	27.83	70		10	150
			Pyrene-d10	40	27.82	70		10	130
			Benzo(a)pyrene-d12	40	28.54	71		10	140
PB159639BL	PB159639BL	BM044659.D	1,4-Dioxane-d8	8	5.36	67		15	120
			Pyridine-d5	40	25.17	63		20	120
			Phenol-d5	40	24.30	61		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.74	67		10	150
			2-Chlorophenol-d4	40	26.04	65		15	120
			4-Methylphenol-d8	40	23.26	58		10	140
			Nitrobenzene-d5	40	27.83	70		10	135
			2-Nitrophenol-d4	40	27.57	69		10	120
			2,4-Dichlorophenol-d3	40	26.07	65		10	140

Surrogate Summary

SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159639BL	PB159639BL	BM044659.D	4-Chloroaniline-d4	40	24.87	62		1	145
			Dimethylphthalate-d6	40	26.73	67		10	145
			Acenaphthylene-d8	40	27.13	68		15	120
			4-Nitrophenol-d4	40	18.76	47		10	150
			Fluorene-d10	40	27.25	68		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.64	54		10	130
			Anthracene-d10	40	29.17	73		10	150
			Pyrene-d10	40	30.09	75		10	130
			Benzo(a)pyrene-d12	40	29.01	73		10	140
PB159639BS	PB159639BS	BM044669.D	1,4-Dioxane-d8	8	5.54	69		15	120
			Pyridine-d5	40	27.61	69		20	120
			Phenol-d5	40	27.83	70		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.36	73		10	150
			2-Chlorophenol-d4	40	29.67	74		15	120
			4-Methylphenol-d8	40	26.40	66		10	140
			Nitrobenzene-d5	40	32.14	80		10	135
			2-Nitrophenol-d4	40	32.28	81		10	120
			2,4-Dichlorophenol-d3	40	32.64	82		10	140
			4-Chloroaniline-d4	40	26.02	65		1	145
			Dimethylphthalate-d6	40	30.05	75		10	145
			Acenaphthylene-d8	40	31.16	78		15	120
			4-Nitrophenol-d4	40	28.30	71		10	150
			Fluorene-d10	40	30.78	77		20	140
			4,6-Dinitro-2-methylphenol-d2	40	32.00	80		10	130
			Anthracene-d10	40	32.33	81		10	150
			Pyrene-d10	40	31.68	79		10	130
			Benzo(a)pyrene-d12	40	33.26	83		10	140



Surrogate Summary
SW-846

SDG No.: BM031924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1782-05	SVOC-GPC-BLANBM044660.D		1,4-Dioxane-d8	8	0.00	0	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	0.00	0	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	0.00	0	*	10	150
			2-Chlorophenol-d4	40	0.00	0	*	15	120
			4-Methylphenol-d8	40	0.00	0	*	10	140
			Nitrobenzene-d5	40	0.00	0	*	10	135
			2-Nitrophenol-d4	40	0.00	0	*	10	120
			2,4-Dichlorophenol-d3	40	0.00	0	*	10	140
			4-Chloroaniline-d4	40	0.00	0	*	1	145
			Dimethylphthalate-d6	40	0.00	0	*	10	145
			Acenaphthylene-d8	40	0.00	0	*	15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	0.00	0	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	0.00	0	*	10	150
			Pyrene-d10	40	0.00	0	*	10	130
			Benzo(a)pyrene-d12	40	0.00	0	*	10	140

Surrogate Summary

SW-846

SDG No.: BM031924

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1779-08	C0AK2	BM044672.D	1,4-Dioxane-d8	8	6.38	80		15	120
			Pyridine-d5	40	6.81	17	*	20	120
			Phenol-d5	40	6.92	17		10	130
			Bis(2-Chloroethyl)ether-d8	40	36.21	91		25	120
			2-Chlorophenol-d4	40	27.28	68		20	130
			4-Methylphenol-d8	40	15.35	38		25	125
			Nitrobenzene-d5	40	39.98	100		20	125
			2-Nitrophenol-d4	40	37.25	93		20	130
			2,4-Dichlorophenol-d3	40	33.43	84		20	120
			4-Chloroaniline-d4	40	28.11	70		1	146
			Dimethylphthalate-d6	40	37.13	93		25	130
			Acenaphthylene-d8	40	38.36	96		10	130
			4-Nitrophenol-d4	40	4.63	12		10	150
			Fluorene-d10	40	38.38	96		25	125
			4,6-Dinitro-2-methylphenol-d2	40	31.42	79		10	130
			Anthracene-d10	40	41.29	103		25	130
			Pyrene-d10	40	41.04	103		15	130
			Benzo(a)pyrene-d12	40	41.39	103		20	130
PB159668BL	PB159668BL	BM044671.D	1,4-Dioxane-d8	8	5.91	74		15	120
			Pyridine-d5	40	27.85	70		20	120
			Phenol-d5	40	27.08	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.12	73		25	120
			2-Chlorophenol-d4	40	29.09	73		20	130
			4-Methylphenol-d8	40	25.70	64		25	125
			Nitrobenzene-d5	40	32.02	80		20	125
			2-Nitrophenol-d4	40	31.17	78		20	130
			2,4-Dichlorophenol-d3	40	29.77	74		20	120
			4-Chloroaniline-d4	40	28.20	70		1	146
			Dimethylphthalate-d6	40	30.46	76		25	130
			Acenaphthylene-d8	40	31.01	78		10	130
			4-Nitrophenol-d4	40	24.01	60		10	150
			Fluorene-d10	40	31.33	78		25	125
			4,6-Dinitro-2-methylphenol-d2	40	24.68	62		10	130
			Anthracene-d10	40	33.17	83		25	130
			Pyrene-d10	40	33.01	83		15	130
			Benzo(a)pyrene-d12	40	33.50	84		20	130
PB159668BS	PB159668BS	BM044670.D	1,4-Dioxane-d8	8	5.98	75		15	120
			Pyridine-d5	40	29.77	74		20	120
			Phenol-d5	40	29.81	75		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.27	78		25	120
			2-Chlorophenol-d4	40	31.86	80		20	130
			4-Methylphenol-d8	40	28.66	72		25	125
			Nitrobenzene-d5	40	34.90	87		20	125
			2-Nitrophenol-d4	40	35.04	88		20	130
			2,4-Dichlorophenol-d3	40	35.48	89		20	120
			4-Chloroaniline-d4	40	27.43	69		1	146
			Dimethylphthalate-d6	40	32.52	81		25	130
			Acenaphthylene-d8	40	33.72	84		10	130
			4-Nitrophenol-d4	40	31.71	79		10	150
			Fluorene-d10	40	33.31	83		25	125
			4,6-Dinitro-2-methylphenol-d2	40	34.47	86		10	130



Surrogate Summary
SW-846

SDG No.: BM031924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159668BS	PB159668BS	BM044670.D	Anthracene-d10	40	35.38	88		25	130
			Pyrene-d10	40	34.44	86		15	130
			Benzo(a)pyrene-d12	40	35.80	89		20	130



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM031924Lab Code: CHEMSAS No.: BM031924 SDG NO.: BM031924Lab File ID: BM044657.DDFTPP Injection Date: 03/19/2024Instrument ID: BNA_MDFTPP Injection Time: 10:43

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	0.7 (1.6) 1
69	Mass 69 relative abundance	42.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	50.9
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.6
442	Greater than 50% of mass 198	79.4
443	15.0 - 24.0% of mass 442	15.7 (19.8) 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
SSTD020076	SSTDCCC020	BM044658.D	03/19/2024	11:21
SBLK639	PB159639BL	BM044659.D	03/19/2024	11:57
SVOC-GPC-BLANK	P1782-05	BM044660.D	03/19/2024	12:33
E0756	P1787-01	BM044661.D	03/19/2024	13:15
E0776	P1787-06	BM044662.D	03/19/2024	13:56
E0776MS	P1787-07MS	BM044663.D	03/19/2024	14:32
E0776MSD	P1787-08MSD	BM044664.D	03/19/2024	15:09
E0757	P1787-02	BM044665.D	03/19/2024	15:45
E0758	P1787-03	BM044666.D	03/19/2024	16:21
E0759	P1787-04	BM044667.D	03/19/2024	16:57
E0760	P1787-05	BM044668.D	03/19/2024	17:34
SLCS639	PB159639BS	BM044669.D	03/19/2024	18:10
SLCS668	PB159668BS	BM044670.D	03/19/2024	18:46
SBLK668	PB159668BL	BM044671.D	03/19/2024	19:23
C0AK2	P1779-08	BM044672.D	03/19/2024	19:59
SSTD020077	SSTDCCC020EC	BM044673.D	03/19/2024	21:12