

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:08:49

Lab File ID: BM047510.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020145 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.535	0.533	0.010	-0.4095	40.0
Benzaldehyde	0.992	1.183	0.010	19.2318	40.0
Pyridine	1.636	1.579	0.010	-3.4829	40.0
Phenol	1.930	1.812	0.080	-6.1114	20.0
Bis(2-Chloroethyl)ether	1.526	1.475	0.100	-3.345	20.0
2-Chlorophenol	1.479	1.458	0.200	-1.396	20.0
2-Methylphenol	1.453	1.344	0.010	-7.4777	20.0
2,2-oxybis(1-Chloropropane)	2.237	2.112	0.010	-5.5505	40.0
Acetophenone	2.371	2.361	0.060	-0.4573	20.0
4-Methylphenol	1.586	1.513	0.010	-4.6159	20.0
N-Nitroso-di-n-propylamine	1.259	1.222	0.050	-2.9258	30.0
Hexachloroethane	0.635	0.627	0.100	-1.2507	20.0
Nitrobenzene	0.386	0.381	0.050	-1.2509	25.0
Isophorone	0.770	0.712	0.050	-7.524	25.0
2-Nitrophenol	0.169	0.165	0.050	-2.4655	25.0
2,4-Dimethylphenol	0.363	0.343	0.050	-5.5334	25.0
Bis(2-Chloroethoxy)methane	0.466	0.441	0.050	-5.39	20.0
2,4-Dichlorophenol	0.301	0.297	0.060	-1.3622	20.0
Naphthalene	1.102	1.078	0.200	-2.199	20.0
4-Chloroaniline	0.478	0.439	0.010	-8.0365	40.0
Hexachlorobutadiene	0.179	0.175	0.040	-2.5158	30.0
Caprolactam	0.116	0.093	0.010	-19.5039	40.0
4-Chloro-3-methylphenol	0.339	0.312	0.040	-7.8415	25.0
1-Methylnaphthalene	0.765	0.729	0.100	-4.7338	20.0
2-Methylnaphthalene	0.757	0.723	0.100	-4.5226	20.0
Hexachlorocyclopentadiene	0.408	0.372	0.010	-8.9519	40.0
2,4,6-Trichlorophenol	0.364	0.351	0.090	-3.7311	25.0
2,4,5-Trichlorophenol	0.396	0.386	0.100	-2.429	25.0
1,1-Biphenyl	1.576	1.529	0.200	-2.9859	20.0
2-Chloronaphthalene	1.209	1.176	0.300	-2.7652	20.0
2-Nitroaniline	0.352	0.333	0.050	-5.384	40.0
Dimethylphthalate	1.493	1.405	0.300	-5.9285	20.0
2,6-Dinitrotoluene	0.272	0.262	0.080	-3.7419	30.0
Acenaphthylene	1.918	1.867	0.400	-2.6129	20.0
3-Nitroaniline	0.318	0.307	0.010	-3.588	40.0
Acenaphthene	1.362	1.318	0.200	-3.2455	20.0
2,4-Dinitrophenol	0.150	0.120	0.010	-19.6807	40.0
4-Nitrophenol	0.245	0.205	0.010	-16.4633	40.0
Dibenzofuran	1.771	1.698	0.300	-4.1199	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:08:49

Lab File ID: BM047510.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020145 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.392	0.389	0.070	-0.891	30.0
Diethylphthalate	1.580	1.469	0.300	-6.9849	20.0
Fluorene	1.545	1.487	0.200	-3.7787	20.0
4-Chlorophenyl-phenylether	0.716	0.681	0.100	-4.8691	20.0
4-Nitroaniline	0.315	0.314	0.010	-0.3726	40.0
4,6-Dinitro-2-methylphenol	0.120	0.092	0.010	-22.7412	40.0
N-Nitrosodiphenylamine	0.622	0.605	0.050	-2.6586	20.0
1,2,4,5-Tetrachlorobenzene	0.594	0.572	0.100	-3.6679	20.0
4-Bromophenyl-phenylether	0.207	0.198	0.070	-4.0822	20.0
Hexachlorobenzene	0.236	0.227	0.050	-4.0681	25.0
Atrazine	0.218	0.197	0.010	-9.69	25.0
Pentachlorophenol	0.149	0.127	0.010	-14.9323	40.0
Phenanthrene	1.141	1.096	0.200	-3.9499	20.0
Pentachlorobenzene	0.287	0.283	0.050	-1.6502	20.0
Anthracene	1.155	1.120	0.200	-3.0315	20.0
1,2,3,4-Tetrachlorobenzene	0.291	0.290	0.050	-0.4135	20.0
Carbazole	1.056	0.978	0.050	-7.4115	40.0
Di-n-butylphthalate	1.362	1.316	0.500	-3.3425	25.0
Fluoranthene	1.374	1.516	0.400	10.3721	25.0
Pyrene	1.464	1.643	0.400	12.2103	25.0
Butylbenzylphthalate	0.668	0.685	0.100	2.438	40.0
3,3-Dichlorobenzidine	0.473	0.336	0.010	-29.0227	40.0
Benzo (a) anthracene	1.429	1.386	0.300	-3.0088	30.0
Chrysene	1.318	1.276	0.200	-3.2208	30.0
Bis(2-ethylhexyl)phthalate	1.014	1.076	0.200	6.112	40.0
Di-n-octyl phthalate	1.598	1.843	0.010	15.3792	40.0
Benzo (b) fluoranthene	1.284	1.293	0.200	0.7449	25.0
Benzo (k) fluoranthene	1.261	1.304	0.200	3.4077	25.0
Benzo (a) pyrene	1.179	1.155	0.200	-2.0765	20.0
Indeno (1,2,3-cd) pyrene	1.446	1.239	0.200	-14.3665	25.0
Dibenzo (a,h) anthracene	1.178	0.998	0.200	-15.2631	30.0
Benzo (g,h,i) perylene	1.105	0.961	0.200	-13.017	30.0
2,3,4,6-Tetrachlorophenol	0.305	0.293	0.040	-3.6909	20.0
1,4-Dioxane-d8	0.496	0.498	0.010	0.3207	25.0
Pyridine-d5	1.584	1.537	0.010	-2.964	40.0
Phenol-d5	1.875	1.730	0.010	-7.7335	25.0
Bis- (2-Chloroethyl) ether-d8	1.167	1.133	0.050	-2.9049	25.0
2-Chlorophenol-d4	1.428	1.404	0.200	-1.681	20.0
4-Methylphenol-d8	1.474	1.381	0.010	-6.3164	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:08:49

Lab File ID: BM047510.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020145 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.154	0.050	-0.3623	20.0
2-Nitrophenol-d4	0.146	0.140	0.050	-3.9923	30.0
2,4-Dichlorophenol-d3	0.297	0.291	0.060	-1.8592	20.0
4-Chloroaniline-d4	0.486	0.441	0.010	-9.2821	40.0
Dimethylphthalate-d6	1.470	1.377	0.300	-6.328	20.0
Acenaphthylene-d8	1.774	1.711	0.400	-3.5689	20.0
4-Nitrophenol-d4	0.291	0.238	0.010	-18.2406	40.0
Fluorene-d10	1.270	1.189	0.100	-6.365	20.0
4,6-Dinitro-2-methylphenol-d2	0.106	0.080	0.010	-24.3163	40.0
Anthracene-d10	0.963	0.923	0.300	-4.1775	20.0
Pyrene-d10	1.166	1.247	0.300	7.0032	25.0
Benzo(a)pyrene-d12	1.063	1.022	0.010	-3.8553	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:14:11

Lab File ID: BM047518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020146 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.535	0.569	0.010	6.2846	50.0
Benzaldehyde	0.992	1.261	0.010	27.058	50.0
Pyridine	1.636	1.662	0.010	1.6141	50.0
Phenol	1.930	1.871	0.080	-3.0678	50.0
Bis(2-Chloroethyl)ether	1.526	1.510	0.100	-1.0261	50.0
2-Chlorophenol	1.479	1.482	0.200	0.2023	50.0
2-Methylphenol	1.453	1.345	0.010	-7.3914	50.0
2,2-oxybis(1-Chloropropane)	2.237	2.240	0.010	0.1601	50.0
Acetophenone	2.371	2.423	0.060	2.1848	50.0
4-Methylphenol	1.586	1.531	0.010	-3.4728	50.0
N-Nitroso-di-n-propylamine	1.259	1.258	0.050	-0.0329	50.0
Hexachloroethane	0.635	0.650	0.100	2.34	50.0
Nitrobenzene	0.386	0.398	0.050	3.2475	50.0
Isophorone	0.770	0.737	0.050	-4.2638	50.0
2-Nitrophenol	0.169	0.166	0.050	-1.3704	50.0
2,4-Dimethylphenol	0.363	0.350	0.050	-3.4985	50.0
Bis(2-Chloroethoxy)methane	0.466	0.448	0.050	-3.8084	50.0
2,4-Dichlorophenol	0.301	0.295	0.060	-1.9241	50.0
Naphthalene	1.102	1.085	0.200	-1.5531	50.0
4-Chloroaniline	0.478	0.448	0.010	-6.2113	50.0
Hexachlorobutadiene	0.179	0.174	0.040	-3.2847	50.0
Caprolactam	0.116	0.097	0.010	-16.5482	50.0
4-Chloro-3-methylphenol	0.339	0.323	0.040	-4.7838	50.0
1-Methylnaphthalene	0.765	0.732	0.100	-4.3493	50.0
2-Methylnaphthalene	0.757	0.723	0.100	-4.5448	50.0
Hexachlorocyclopentadiene	0.408	0.358	0.010	-12.3703	50.0
2,4,6-Trichlorophenol	0.364	0.348	0.090	-4.4529	50.0
2,4,5-Trichlorophenol	0.396	0.379	0.100	-4.2196	50.0
1,1-Biphenyl	1.576	1.508	0.200	-4.3553	50.0
2-Chloronaphthalene	1.209	1.176	0.300	-2.75	50.0
2-Nitroaniline	0.352	0.357	0.050	1.4913	50.0
Dimethylphthalate	1.493	1.397	0.300	-6.4591	50.0
2,6-Dinitrotoluene	0.272	0.263	0.080	-3.4976	50.0
Acenaphthylene	1.918	1.899	0.400	-0.9393	50.0
3-Nitroaniline	0.318	0.319	0.010	0.3605	50.0
Acenaphthene	1.362	1.346	0.200	-1.2053	50.0
2,4-Dinitrophenol	0.150	0.132	0.010	-11.9717	50.0
4-Nitrophenol	0.245	0.230	0.010	-6.3296	50.0
Dibenzofuran	1.771	1.739	0.300	-1.8006	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:14:11

Lab File ID: BM047518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020146 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.392	0.391	0.070	-0.2564	50.0
Diethylphthalate	1.580	1.492	0.300	-5.5463	50.0
Fluorene	1.545	1.564	0.200	1.2112	50.0
4-Chlorophenyl-phenylether	0.716	0.710	0.100	-0.7875	50.0
4-Nitroaniline	0.315	0.364	0.010	15.7092	50.0
4,6-Dinitro-2-methylphenol	0.120	0.095	0.010	-20.0972	50.0
N-Nitrosodiphenylamine	0.622	0.607	0.050	-2.3512	50.0
1,2,4,5-Tetrachlorobenzene	0.594	0.557	0.100	-6.1626	50.0
4-Bromophenyl-phenylether	0.207	0.186	0.070	-10.0097	50.0
Hexachlorobenzene	0.236	0.213	0.050	-9.9268	50.0
Atrazine	0.218	0.192	0.010	-11.884	50.0
Pentachlorophenol	0.149	0.122	0.010	-17.7183	50.0
Phenanthrene	1.141	1.119	0.200	-1.9574	50.0
Pentachlorobenzene	0.287	0.270	0.050	-6.0562	50.0
Anthracene	1.155	1.171	0.200	1.3751	50.0
1,2,3,4-Tetrachlorobenzene	0.291	0.278	0.050	-4.3801	50.0
Carbazole	1.056	1.023	0.050	-3.1603	50.0
Di-n-butylphthalate	1.362	1.311	0.500	-3.7675	50.0
Fluoranthene	1.374	1.341	0.400	-2.3975	50.0
Pyrene	1.464	1.511	0.400	3.1765	50.0
Butylbenzylphthalate	0.668	0.610	0.100	-8.7266	50.0
3,3-Dichlorobenzidine	0.473	0.321	0.010	-32.1952	50.0
Benzo (a) anthracene	1.429	1.375	0.300	-3.748	50.0
Chrysene	1.318	1.291	0.200	-2.0816	50.0
Bis (2-ethylhexyl) phthalate	1.014	0.970	0.200	-4.3105	50.0
Di-n-octyl phthalate	1.598	1.678	0.010	5.0325	50.0
Benzo (b) fluoranthene	1.284	1.250	0.200	-2.6264	50.0
Benzo (k) fluoranthene	1.261	1.280	0.200	1.5279	50.0
Benzo (a) pyrene	1.179	1.144	0.200	-2.974	50.0
Indeno (1,2,3-cd) pyrene	1.446	1.198	0.200	-17.1962	50.0
Dibenzo (a,h) anthracene	1.178	0.971	0.200	-17.5854	50.0
Benzo (g,h,i) perylene	1.105	0.924	0.200	-16.4154	50.0
2,3,4,6-Tetrachlorophenol	0.305	0.291	0.040	-4.6488	50.0
1,4-Dioxane-d8	0.496	0.529	0.010	6.6329	50.0
Pyridine-d5	1.584	1.623	0.010	2.4362	50.0
Phenol-d5	1.875	1.767	0.010	-5.7649	50.0
Bis- (2-Chloroethyl) ether-d8	1.167	1.199	0.050	2.7668	50.0
2-Chlorophenol-d4	1.428	1.414	0.200	-0.9827	50.0
4-Methylphenol-d8	1.474	1.416	0.010	-3.9404	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG No.: BM091324

Instrument ID: BNA_M Calibration Date/Time: 9/13/2024 1:14:11

Lab File ID: BM047518.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020146 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.154	0.050	-0.0639	50.0
2-Nitrophenol-d4	0.146	0.141	0.050	-3.6004	50.0
2,4-Dichlorophenol-d3	0.297	0.290	0.060	-2.3791	50.0
4-Chloroaniline-d4	0.486	0.446	0.010	-8.1492	50.0
Dimethylphthalate-d6	1.470	1.360	0.300	-7.4576	50.0
Acenaphthylene-d8	1.774	1.708	0.400	-3.6998	50.0
4-Nitrophenol-d4	0.291	0.260	0.010	-10.8777	50.0
Fluorene-d10	1.270	1.194	0.100	-6.0157	50.0
4,6-Dinitro-2-methylphenol-d2	0.106	0.082	0.010	-22.4548	50.0
Anthracene-d10	0.963	0.941	0.300	-2.2669	50.0
Pyrene-d10	1.166	1.114	0.300	-4.4491	50.0
Benzo(a)pyrene-d12	1.063	0.987	0.010	-7.1115	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SBLK349	SDG No.:	BM091324
Lab Sample ID:	PB163349BL	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
BM047511.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SBLK349	SDG No.:	BM091324
Lab Sample ID:	PB163349BL	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
BM047511.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SBLK349	SDG No.:	BM091324
Lab Sample ID:	PB163349BL	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
BM047511.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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	5.563		15-120		70	SPK: -8
7291-22-7	Pyridine-d5	25.206		20-120		63	SPK: -40
4165-62-2	Phenol-d5	23.899		10-130		60	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.743		25-120		64	SPK: -40
93951-73-6	2-Chlorophenol-d4	25.389		20-130		63	SPK: -40
190780-66-6	4-Methylphenol-d8	24.525		25-125		61	SPK: -40
4165-60-0	Nitrobenzene-d5	27.123		20-125		68	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.486		20-130		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.457		20-120		64	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.761		1-146		59	SPK: -40
85448-30-2	Dimethylphthalate-d6	26.346		25-130		66	SPK: -40
93951-97-4	Acenaphthylene-d8	26.205		10-130		66	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.826		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	26.469		25-125		66	SPK: -40

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SBLK349	SDG No.:	BM091324
Lab Sample ID:	PB163349BL	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
BM047511.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	15.987		10-130		40	SPK: -40
1719-06-8	Anthracene-d10	27.6		25-130		69	SPK: -40
1718-52-1	Pyrene-d10	35.28		15-130		88	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	26.673		20-130		67	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	403239	7.863				
1146-65-2	Naphthalene-d8	1801777	10.663				
15067-26-2	Acenaphthene-d10	1128216	14.492				
1517-22-2	Phenanthrene-d10	2188412	17.227				
1719-03-5	Chrysene-d12	1495886	21.451				
1520-96-3	Perylene-d12	1404087	24.486				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SLCS349	SDG No.:	BM091324
Lab Sample ID:	PB163349BS	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
BM047512.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	9.7		0.49	0.5	2	ug/L
110-86-1	Pyridine	25		1.4	10	10	ug/L
100-52-7	Benzaldehyde	24		2.5	5	10	ug/L
108-95-2	Phenol	27		1.4	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	27		1.4	5	10	ug/L
95-57-8	2-Chlorophenol	28		1.3	2.5	5	ug/L
95-48-7	2-Methylphenol	26		1.4	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	26		1.4	5	10	ug/L
98-86-2	Acetophenone	28		1.5	5	10	ug/L
106-44-5	4-Methylphenol	27		1.4	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	27		1.6	2.5	5	ug/L
67-72-1	Hexachloroethane	28		1.1	2.5	5	ug/L
98-95-3	Nitrobenzene	28		1.4	2.5	5	ug/L
78-59-1	Isophorone	27		1.4	2.5	5	ug/L
88-75-5	2-Nitrophenol	28		1.4	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	22		0.98	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	27		1.5	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	27		1.5	2.5	5	ug/L
91-20-3	Naphthalene	27		1.3	2.5	5	ug/L
106-47-8	4-Chloroaniline	22		1.4	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	26		1.2	2.5	5	ug/L
105-60-2	Caprolactam	24		4.5	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	27		1.4	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	27		1.3	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	27		1.4	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	20		3.3	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	24		1.5	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	25		1.5	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SLCS349	SDG No.:	BM091324
Lab Sample ID:	PB163349BS	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
BM047512.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	27		1.7	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	27		1.6	2.5	5	ug/L
88-74-4	2-Nitroaniline	28		1.2	2.5	5	ug/L
131-11-3	Dimethylphthalate	27		1.5	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	29		1.1	2.5	5	ug/L
208-96-8	Acenaphthylene	29		1.5	2.5	5	ug/L
99-09-2	3-Nitroaniline	28		0.84	5	10	ug/L
83-32-9	Acenaphthene	27		1.5	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	21		5.9	5	10	ug/L
100-02-7	4-Nitrophenol	25		1.5	5	10	ug/L
132-64-9	Dibenzofuran	27		1.5	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	29		1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	27		1.5	2.5	5	ug/L
86-73-7	Fluorene	28		1.5	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	28		1.6	2.5	5	ug/L
100-01-6	4-Nitroaniline	31		1.3	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	25		0.94	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	28		1.6	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	27		1.8	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	28		1.5	2.5	5	ug/L
118-74-1	Hexachlorobenzene	28		1.6	2.5	5	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5	10	ug/L
87-86-5	Pentachlorophenol	17		3.6	5	10	ug/L
85-01-8	Phenanthrene	28		1.6	2.5	5	ug/L
608-93-5	Pentachlorobenzene	26		1.5	2.5	5	ug/L
120-12-7	Anthracene	28		1.4	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	27		1.2	2.5	5	ug/L
86-74-8	Carbazole	27		1.6	5	10	ug/L
84-74-2	Di-n-butylphthalate	29		1.7	2.5	5	ug/L
206-44-0	Fluoranthene	31		1.7	5	5	ug/L

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SLCS349	SDG No.:	BM091324
Lab Sample ID:	PB163349BS	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
BM047512.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	31		1.7	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	29		1.5	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	21		1.1	5	10	ug/L
56-55-3	Benzo(a)anthracene	28		1.4	2.5	5	ug/L
218-01-9	Chrysene	28		1.5	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	30		1.8	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	35		1.4	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	30		1.6	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	30		1.7	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	28		1.5	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	24		1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	24		1.4	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	24		1.4	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	22		1.4	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.895		15-120		74	SPK: -8
7291-22-7	Pyridine-d5	25.448		20-120		64	SPK: -40
4165-62-2	Phenol-d5	26.748		10-130		67	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	27.094		25-120		68	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.256		20-130		68	SPK: -40
190780-66-6	4-Methylphenol-d8	27.019		25-125		68	SPK: -40
4165-60-0	Nitrobenzene-d5	28.38		20-125		71	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.477		20-130		71	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.352		20-120		71	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.359		1-146		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.189		25-130		68	SPK: -40
93951-97-4	Acenaphthylene-d8	27.631		10-130		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	25.227		10-150		63	SPK: -40
81103-79-9	Fluorene-d10	27.587		25-125		69	SPK: -40

Report of Analysis

Client:		Date Collected:	9/11/2024 12:00:00 AM
Project:		Date Received:	9/11/2024 12:00:00 AM
Client Sample ID:	SLCS349	SDG No.:	BM091324
Lab Sample ID:	PB163349BS	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
BM047512.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	25.104		10-130		63	SPK: -40
1719-06-8	Anthracene-d10	27.703		25-130		69	SPK: -40
1718-52-1	Pyrene-d10	30.248		15-130		76	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.676		20-130		69	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	419838	7.863				
1146-65-2	Naphthalene-d8	1936683	10.663				
15067-26-2	Acenaphthene-d10	1201818	14.492				
1517-22-2	Phenanthrene-d10	2331186	17.227				
1719-03-5	Chrysene-d12	1976081	21.456				
1520-96-3	Perylene-d12	1713796	24.497				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B25	SDG No.:	BM091324
Lab Sample ID:	P3952-01	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
BM047513.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B25	SDG No.:	BM091324
Lab Sample ID:	P3952-01	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
BM047513.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B25	SDG No.:	BM091324
Lab Sample ID:	P3952-01	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
BM047513.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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	5.245		15-120		66	SPK: -8
7291-22-7	Pyridine-d5	5.025	*	20-120		13	SPK: -40
4165-62-2	Phenol-d5	8.196		10-130		20	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.724		25-120		77	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.919		20-130		70	SPK: -40
190780-66-6	4-Methylphenol-d8	19.767		25-125		49	SPK: -40
4165-60-0	Nitrobenzene-d5	32.61		20-125		82	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.369		20-130		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	31.22		20-120		78	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.195		1-146		45	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.545		25-130		84	SPK: -40
93951-97-4	Acenaphthylene-d8	32.081		10-130		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.188		10-150		15	SPK: -40
81103-79-9	Fluorene-d10	34.284		25-125		86	SPK: -40

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B25	SDG No.:	BM091324
Lab Sample ID:	P3952-01	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
BM047513.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.858		10-130		62	SPK: -40
1719-06-8	Anthracene-d10	37.669		25-130		94	SPK: -40
1718-52-1	Pyrene-d10	47.751		15-130		119	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	37.963		20-130		95	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	394511	7.863				
1146-65-2	Naphthalene-d8	1783825	10.663				
15067-26-2	Acenaphthene-d10	1123420	14.492				
1517-22-2	Phenanthrene-d10	2174667	17.227				
1719-03-5	Chrysene-d12	1558317	21.45				
1520-96-3	Perylene-d12	1441351	24.491				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B26	SDG No.:	BM091324
Lab Sample ID:	P3952-02	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
BM047514.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.3	J	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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B26	SDG No.:	BM091324
Lab Sample ID:	P3952-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047514.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B26	SDG No.:	BM091324
Lab Sample ID:	P3952-02	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047514.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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	6.14		15-120		77	SPK: -8
7291-22-7	Pyridine-d5	9.056		20-120		23	SPK: -40
4165-62-2	Phenol-d5	7.67		10-130		19	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	34.77		25-120		87	SPK: -40
93951-73-6	2-Chlorophenol-d4	30.383		20-130		76	SPK: -40
190780-66-6	4-Methylphenol-d8	19.184		25-125		48	SPK: -40
4165-60-0	Nitrobenzene-d5	35.822		20-125		90	SPK: -40
93951-78-1	2-Nitrophenol-d4	35.637		20-130		89	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.425		20-120		84	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.291		1-146		71	SPK: -40
85448-30-2	Dimethylphthalate-d6	36.298		25-130		91	SPK: -40
93951-97-4	Acenaphthylene-d8	35.338		10-130		88	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.279		10-150		13	SPK: -40
81103-79-9	Fluorene-d10	37.396		25-125		93	SPK: -40

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B26	SDG No.:	BM091324
Lab Sample ID:	P3952-02	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
BM047514.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	26.213		10-130		66	SPK: -40
1719-06-8	Anthracene-d10	41.035		25-130		103	SPK: -40
1718-52-1	Pyrene-d10	52.15		15-130		130	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	40.867		20-130		102	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	319391	7.863				
1146-65-2	Naphthalene-d8	1445598	10.663				
15067-26-2	Acenaphthene-d10	894073	14.492				
1517-22-2	Phenanthrene-d10	1705320	17.227				
1719-03-5	Chrysene-d12	1231488	21.45				
1520-96-3	Perylene-d12	1178447	24.491				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B35	SDG No.:	BM091324
Lab Sample ID:	P3952-03	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	980 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
BM047515.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.5	U	0.5	0.51	2	ug/L
100-52-7	Benzaldehyde	2.6	U	2.6	5.1	10	ug/L
110-86-1	Pyridine	1.4	U	1.4	10.2	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	2.6	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	2.6	5.1	ug/L
67-72-1	Hexachloroethane	1.1	U	1.1	2.6	5.1	ug/L
98-95-3	Nitrobenzene	1.4	U	1.4	2.6	5.1	ug/L
78-59-1	Isophorone	1.4	U	1.4	2.6	5.1	ug/L
88-75-5	2-Nitrophenol	1.4	U	1.4	2.6	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1	U	1	2.6	5.1	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.5	U	1.5	2.6	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.5	U	1.5	2.6	5.1	ug/L
91-20-3	Naphthalene	1.3	U	1.3	2.6	5.1	ug/L
106-47-8	4-Chloroaniline	1.4	U	1.4	2.6	10	ug/L
87-68-3	Hexachlorobutadiene	1.2	U	1.2	2.6	5.1	ug/L
105-60-2	Caprolactam	4.6	U	4.6	5.1	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.4	U	1.4	2.6	5.1	ug/L
90-12-0	1-Methylnaphthalene	1.3	U	1.3	2.6	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.4	U	1.4	2.6	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	3.4	U	3.4	5.1	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	2.6	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.5	U	1.5	2.6	5.1	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B35	SDG No.:	BM091324
Lab Sample ID:	P3952-03	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047515.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1.7	U	1.7	2.6	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	2.6	5.1	ug/L
88-74-4	2-Nitroaniline	1.2	U	1.2	2.6	5.1	ug/L
131-11-3	Dimethylphthalate	1.5	U	1.5	2.6	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.1	U	1.1	2.6	5.1	ug/L
208-96-8	Acenaphthylene	1.5	U	1.5	2.6	5.1	ug/L
99-09-2	3-Nitroaniline	0.86	U	0.86	5.1	10	ug/L
83-32-9	Acenaphthene	1.5	U	1.5	2.6	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	2.6	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.1	U	1.1	2.6	5.1	ug/L
84-66-2	Diethylphthalate	1.5	U	1.5	2.6	5.1	ug/L
86-73-7	Fluorene	1.5	U	1.5	2.6	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.6	U	1.6	2.6	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	0.96	U	0.96	5.1	10	ug/L
86-30-6	N-Nitrosodiphenylamine	1.6	U	1.6	2.6	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.8	U	1.8	2.6	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	1.5	U	1.5	2.6	5.1	ug/L
118-74-1	Hexachlorobenzene	1.6	U	1.6	2.6	5.1	ug/L
1912-24-9	Atrazine	1.6	U	1.6	5.1	10	ug/L
87-86-5	Pentachlorophenol	3.7	U	3.7	5.1	10	ug/L
85-01-8	Phenanthrene	1.6	U	1.6	2.6	5.1	ug/L
608-93-5	Pentachlorobenzene	1.5	U	1.5	2.6	5.1	ug/L
120-12-7	Anthracene	1.4	U	1.4	2.6	5.1	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	1.2	U	1.2	2.6	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	2.6	5.1	ug/L
206-44-0	Fluoranthene	1.7	U	1.7	5.1	5.1	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B35	SDG No.:	BM091324
Lab Sample ID:	P3952-03	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	980	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047515.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1.7	U	1.7	2.6	5.1	ug/L
85-68-7	Butylbenzylphthalate	1.5	U	1.5	2.6	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	2.6	5.1	ug/L
218-01-9	Chrysene	1.5	U	1.5	2.6	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.8	U	1.8	2.6	5.1	ug/L
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	2.6	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.7	U	1.7	2.6	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.5	U	1.5	2.6	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.4	U	1.4	2.6	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.4	U	1.4	2.6	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.4	U	1.4	2.6	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.4	U	1.4	2.6	5.1	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.185		15-120		65	SPK: -8
7291-22-7	Pyridine-d5	6.125	*	20-120		15	SPK: -40
4165-62-2	Phenol-d5	7.064		10-130		18	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.281		25-120		76	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.003		20-130		68	SPK: -40
190780-66-6	4-Methylphenol-d8	17.067		25-125		43	SPK: -40
4165-60-0	Nitrobenzene-d5	31.423		20-125		79	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.167		20-130		75	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	28.953		20-120		72	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.569		1-146		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.234		25-130		81	SPK: -40
93951-97-4	Acenaphthylene-d8	30.614		10-130		77	SPK: -40
93951-79-2	4-Nitrophenol-d4	5.099		10-150		13	SPK: -40
81103-79-9	Fluorene-d10	32.825		25-125		82	SPK: -40

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B35	SDG No.:	BM091324
Lab Sample ID:	P3952-03	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	980 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
BM047515.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	23.725		10-130		59	SPK: -40
1719-06-8	Anthracene-d10	37.745		25-130		94	SPK: -40
1718-52-1	Pyrene-d10	47.704		15-130		119	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	37.71		20-130		94	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	327590	7.863				
1146-65-2	Naphthalene-d8	1472989	10.663				
15067-26-2	Acenaphthene-d10	903499	14.492				
1517-22-2	Phenanthrene-d10	1723622	17.227				
1719-03-5	Chrysene-d12	1250337	21.45				
1520-96-3	Perylene-d12	1201300	24.491				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B48	SDG No.:	BM091324
Lab Sample ID:	P3952-04	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
BM047516.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	0.49	U	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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B48	SDG No.:	BM091324
Lab Sample ID:	P3952-04	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047516.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B48	SDG No.:	BM091324
Lab Sample ID:	P3952-04	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047516.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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							
17647-74-4	1,4-Dioxane-d8	4.649		15-120		58	SPK: -8
7291-22-7	Pyridine-d5	9.999		20-120		25	SPK: -40
4165-62-2	Phenol-d5	6.752		10-130		17	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.641		25-120		67	SPK: -40
93951-73-6	2-Chlorophenol-d4	24.177		20-130		60	SPK: -40
190780-66-6	4-Methylphenol-d8	15.727		25-125		39	SPK: -40
4165-60-0	Nitrobenzene-d5	27.312		20-125		68	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.443		20-130		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.253		20-120		68	SPK: -40
191656-33-4	4-Chloroaniline-d4	23.296		1-146		58	SPK: -40
85448-30-2	Dimethylphthalate-d6	27.898		25-130		70	SPK: -40
93951-97-4	Acenaphthylene-d8	27.481		10-130		69	SPK: -40
93951-79-2	4-Nitrophenol-d4	4.869		10-150		12	SPK: -40
81103-79-9	Fluorene-d10	29.61		25-125		74	SPK: -40

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B48	SDG No.:	BM091324
Lab Sample ID:	P3952-04	Matrix:	Water
Analytical Method:	SFAM_SVOC	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM047516.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	21.619		10-130		54	SPK: -40
1719-06-8	Anthracene-d10	33.039		25-130		83	SPK: -40
1718-52-1	Pyrene-d10	39.175		15-130		98	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.603		20-130		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	337136	7.863				
1146-65-2	Naphthalene-d8	1484168	10.657				
15067-26-2	Acenaphthene-d10	889790	14.492				
1517-22-2	Phenanthrene-d10	1740111	17.227				
1719-03-5	Chrysene-d12	1357553	21.45				
1520-96-3	Perylene-d12	1334834	24.491				
TENTATIVE IDENTIFIED COMPOUNDS							
000826-36-8	4-Piperidinone, 2,2,6,6-tetramethy	2.2	J			9.516	
000143-07-7	Dodecanoic acid	40	J			14.939	
E966796	Total Alkanes	1.7	U			99	ug/L

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B52	SDG No.:	BM091324
Lab Sample ID:	P3952-05	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
BM047517.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	J	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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B52	SDG No.:	BM091324
Lab Sample ID:	P3952-05	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
BM047517.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

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

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B52	SDG No.:	BM091324
Lab Sample ID:	P3952-05	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
BM047517.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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	7.112		15-120		89	SPK: -8
7291-22-7	Pyridine-d5	12.946		20-120		32	SPK: -40
4165-62-2	Phenol-d5	9.451		10-130		24	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	39.092		25-120		98	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.668		20-130		84	SPK: -40
190780-66-6	4-Methylphenol-d8	22.466		25-125		56	SPK: -40
4165-60-0	Nitrobenzene-d5	39.636		20-125		99	SPK: -40
93951-78-1	2-Nitrophenol-d4	38.393		20-130		96	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	35.7		20-120		89	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.759		1-146		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	38.948		25-130		97	SPK: -40
93951-97-4	Acenaphthylene-d8	39.058		10-130		98	SPK: -40
93951-79-2	4-Nitrophenol-d4	6.531		10-150		16	SPK: -40
81103-79-9	Fluorene-d10	41.125		25-125		103	SPK: -40

Report of Analysis

Client:		Date Collected:	9/10/2024 12:00:00 AM
Project:		Date Received:	9/10/2024 12:00:00 AM
Client Sample ID:	C0B52	SDG No.:	BM091324
Lab Sample ID:	P3952-05	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
BM047517.D	1	9/11/2024 12:00:00 AM	9/13/2024 12:00:00 AM	PB163349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.447		10-130		69	SPK: -40
1719-06-8	Anthracene-d10	46.938		25-130		117	SPK: -40
1718-52-1	Pyrene-d10	57.257	*	15-130		143	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	46.938		20-130		117	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	257891	7.863				
1146-65-2	Naphthalene-d8	1150829	10.657				
15067-26-2	Acenaphthene-d10	707483	14.492				
1517-22-2	Phenanthrene-d10	1370648	17.227				
1719-03-5	Chrysene-d12	1030280	21.45				
1520-96-3	Perylene-d12	994743	24.491				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	1.7	U			99	ug/L

Hit Summary Sheet SW-846

SDG No.: BM091324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : C0B25								
P3952-01	C0B25	Water	Total Alkanes	*	0.000	1.7	5	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0B26								
P3952-02	C0B26	Water	Total Alkanes	*	0.000	1.7	5	ug/L
			Total Tics :			0.00		
P3952-02	C0B26	Water	1,4-Dioxane		1.300	J 0.49	2	ug/L
			Total Svoc :			1.30		
			Total Concentration:			1.30		
Client ID : C0B35								
P3952-03	C0B35	Water	Total Alkanes	*	0.000	1.7	5.1	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		
Client ID : C0B48								
P3952-04	C0B48	Water	4-Piperidinone, 2,2,6,6-tetramethy	*	2.200	J		
P3952-04	C0B48	Water	Dodecanoic acid	*	40.000	J		
P3952-04	C0B48	Water	Total Alkanes	*	0.000	1.7	5.1	ug/L
			Total Tics :			42.20		
			Total Concentration:			42.20		
Client ID : C0B52								
P3952-05	C0B52	Water	Total Alkanes	*	0.000	1.7	5	ug/L
			Total Tics :			0.00		
P3952-05	C0B52	Water	1,4-Dioxane		1.200	J 0.49	2	ug/L
			Total Svoc :			1.20		
			Total Concentration:			1.20		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: _____ Calibration Date(s): 9/10/2024 : _____

Calibration Time(s): 17:23 _____

LAB FILE ID:	RRFAL1 = BM047465.D			RRFAL2 = BM047466.D		RRFAL3 = BM047467.D		
	RRFAL4 = BM047468.D			RRFAL5 = BM047469.D		RRFAL6 = BM047470.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.520	0.602	0.503	0.525	0.526		0.535	7.2
Benzaldehyde		1.187	1.134	1.095	0.824	0.722	0.992	20.7
Pyridine		1.717	1.502	1.641	1.662	1.656	1.636	4.9
Hexachloroethane	0.615	0.685	0.591	0.638	0.648		0.635	5.6
Nitrobenzene	0.343	0.409	0.367	0.403	0.408		0.386	7.7
Isophorone	0.696	0.814	0.725	0.797	0.816		0.770	7.2
2-Nitrophenol	0.130	0.168	0.160	0.186	0.200		0.169	15.8
2,4-Dimethylphenol	0.324	0.383	0.339	0.373	0.395		0.363	8.2
Bis(2-Chloroethoxy)methane	0.434	0.499	0.438	0.477	0.481		0.466	6.1
2,4-Dichlorophenol	0.260	0.308	0.281	0.318	0.338		0.301	10.3
Naphthalene	1.035	1.176	1.024	1.120	1.154		1.102	6.3
4-Chloroaniline		0.494	0.434	0.483	0.499	0.479	0.478	5.4
Hexachlorobutadiene	0.169	0.191	0.165	0.181	0.189		0.179	6.5
Phenol		1.956	1.725	1.906	2.006	2.057	1.930	6.6
Caprolactam		0.105	0.141	0.111	0.111	0.111	0.116	12.2
4-Chloro-3-methylphenol	0.293	0.355	0.318	0.355	0.373		0.339	9.6
1-Methylnaphthalene	0.708	0.802	0.707	0.785	0.824		0.765	7.1
2-Methylnaphthalene	0.701	0.794	0.696	0.775	0.821		0.757	7.4
Hexachlorocyclopentadiene		0.374	0.442	0.389	0.420	0.416	0.408	6.6
2,4,6-Trichlorophenol	0.302	0.362	0.338	0.394	0.425		0.364	13.1
2,4,5-Trichlorophenol	0.322	0.397	0.370	0.431	0.460		0.396	13.5
1,1-Biphenyl	1.445	1.661	1.446	1.633	1.697		1.576	7.7
2-Chloronaphthalene	1.122	1.280	1.114	1.245	1.284		1.209	7.0
2-Nitroaniline	0.279	0.354	0.334	0.391	0.401		0.352	13.9
Bis(2-Chloroethyl)ether		1.611	1.418	1.524	1.550	1.528	1.526	4.6
Dimethylphthalate	1.391	1.593	1.383	1.527	1.573		1.493	6.7
2,6-Dinitrotoluene	0.216	0.270	0.256	0.301	0.319		0.272	14.8
Acenaphthylene	1.742	2.030	1.768	2.001	2.046		1.918	7.8
3-Nitroaniline		0.301	0.298	0.338	0.319	0.335	0.318	5.8
Acenaphthene	1.239	1.448	1.256	1.409	1.459		1.362	7.8
2,4-Dinitrophenol		0.102	0.110	0.151	0.178	0.208	0.150	29.9
4-Nitrophenol		0.240	0.221	0.258	0.259	0.249	0.245	6.3
Dibenzofuran	1.665	1.886	1.630	1.807	1.864		1.771	6.6
2,4-Dinitrotoluene	0.297	0.396	0.373	0.438	0.458		0.392	16.0
Diethylphthalate	1.463	1.698	1.457	1.624	1.657		1.580	7.1
2-Chlorophenol	1.305	1.572	1.392	1.534	1.592		1.479	8.4

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.: BM091024

SAS No.: BM091024

SDG No.: BM091024

Instrument ID: _____

Calibration Date(s): 9/10/2024 : _____

Calibration Time(s): 17:23 _____

LAB FILE ID:		RRFAL1 = BM047465.D		RRFAL2 = BM047466.D		RRFAL3 = BM047467.D		
		RRFAL4 = BM047468.D		RRFAL5 = BM047469.D		RRFAL6 = BM047470.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.398	1.619	1.438	1.644	1.627		1.545	7.6
4-Chlorophenyl-phenylether	0.644	0.743	0.663	0.759	0.770		0.716	8.1
4-Nitroaniline		0.314	0.322	0.356	0.303	0.279	0.315	8.9
4,6-Dinitro-2-methylphenol		0.096	0.097	0.120	0.136	0.148	0.120	19.6
N-Nitrosodiphenylamine	0.565	0.660	0.577	0.641	0.666		0.622	7.6
1,2,4,5-Tetrachlorobenzene	0.525	0.606	0.541	0.621	0.675		0.594	10.3
4-Bromophenyl-phenylether	0.187	0.217	0.189	0.212	0.230		0.207	8.9
Hexachlorobenzene	0.219	0.250	0.215	0.241	0.257		0.236	7.9
Atrazine		0.222	0.197	0.220	0.238	0.215	0.218	6.8
Pentachlorophenol		0.130	0.123	0.149	0.166	0.177	0.149	15.3
2-Methylphenol		1.445	1.298	1.454	1.516	1.551	1.453	6.7
Phenanthrene	1.036	1.208	1.055	1.181	1.225		1.141	7.8
Pentachlorobenzene	0.270	0.304	0.260	0.291	0.312		0.287	7.8
Anthracene	1.046	1.229	1.072	1.205	1.224		1.155	7.7
1,2,3,4-Tetrachlorobenzene	0.261	0.303	0.268	0.301	0.322		0.291	8.9
Carbazole		1.152	1.002	1.115	1.136	0.876	1.056	11.1
Di-n-butylphthalate	1.222	1.463	1.309	1.466	1.349		1.362	7.7
Fluoranthene	1.253	1.459	1.274	1.448	1.435		1.374	7.4
Pyrene	1.357	1.587	1.377	1.548	1.453		1.464	6.9
Butylbenzylphthalate	0.564	0.684	0.620	0.710	0.764		0.668	11.7
3,3-Dichlorobenzidine		0.487	0.441	0.497	0.489	0.450	0.473	5.4
2,2-oxybis (1-Chloropropane)		2.439	2.104	2.269	2.259	2.111	2.237	6.2
Benzo (a) anthracene	1.304	1.532	1.341	1.493	1.473		1.429	7.0
Chrysene	1.223	1.404	1.239	1.370	1.354		1.318	6.2
Bis (2-ethylhexyl) phthalate	0.875	1.048	0.937	1.080	1.128		1.014	10.3
Di-n-octyl phthalate		1.561	1.417	1.686	1.852	1.472	1.598	10.9
Benzo (b) fluoranthene	1.123	1.332	1.170	1.347	1.447		1.284	10.4
Benzo (k) fluoranthene	1.109	1.306	1.163	1.320	1.407		1.261	9.7
Benzo (a) pyrene	1.040	1.224	1.089	1.251	1.293		1.179	9.2
Indeno (1,2,3-cd) pyrene	1.337	1.561	1.391	1.531	1.411		1.446	6.6
Dibenzo (a,h) anthracene	1.076	1.272	1.134	1.250	1.157		1.178	6.9
Benzo (g,h,i) perylene	1.035	1.209	1.071	1.170	1.040		1.105	7.2
Acetophenone		2.474	2.194	2.404	2.423	2.362	2.371	4.5
2,3,4,6-Tetrachlorophenol	0.247	0.305	0.283	0.329	0.360		0.305	14.2
1,4-Dioxane-d8	0.472	0.560	0.466	0.492	0.490		0.496	7.6
Pyridine-d5		1.624	1.436	1.589	1.634	1.639	1.584	5.4

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.: BM091024 SAS No.: BM091024 SDG No.: BM091024
Instrument ID: _____ Calibration Date(s): 9/10/2024 : _____
Calibration Time(s): 17:23 _____

LAB FILE ID:		RRFAL1 = BM047465.D			RRFAL2 = BM047466.D		RRFAL3 = BM047467.D	
		RRFAL4 = BM047468.D			RRFAL5 = BM047469.D		RRFAL6 = BM047470.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.870	1.663	1.855	1.955	2.031	1.875	7.3
Bis-(2-Chloroethyl)ether-d8		1.224	1.093	1.166	1.187	1.165	1.167	4.1
2-Chlorophenol-d4	1.254	1.509	1.336	1.484	1.556		1.428	8.9
4-Methylphenol-d8		1.462	1.332	1.489	1.539	1.546	1.474	5.9
Nitrobenzene-d5	0.133	0.160	0.144	0.165	0.171		0.154	10.0
2-Nitrophenol-d4	0.112	0.140	0.136	0.162	0.179		0.146	17.8
2,4-Dichlorophenol-d3	0.252	0.302	0.276	0.315	0.339		0.297	11.4
4-Chloroaniline-d4		0.501	0.437	0.487	0.508	0.494	0.486	5.8
4-Methylphenol		1.607	1.435	1.605	1.648	1.635	1.586	5.4
Dimethylphthalate-d6	1.368	1.554	1.352	1.510	1.567		1.470	7.0
Acenaphthylene-d8	1.613	1.857	1.625	1.859	1.915		1.774	8.1
4-Nitrophenol-d4		0.269	0.256	0.299	0.313	0.319	0.291	9.4
Fluorene-d10	1.173	1.343	1.155	1.314	1.367		1.270	7.8
4,6-Dinitro-2-methylphenol		0.080	0.083	0.107	0.122	0.137	0.106	23.1
Anthracene-d10	0.874	1.018	0.895	0.994	1.035		0.963	7.6
Pyrene-d10	1.044	1.225	1.067	1.217	1.275		1.166	8.8
Benzo(a)pyrene-d12	0.919	1.099	0.982	1.126	1.189		1.063	10.4
N-Nitroso-di-n-propylamine	1.128	1.350	1.202	1.313	1.299		1.259	7.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG NO.: BM091324

EPA Sample No.: SSTD020015 Date Analyzed: Sep 13 2024 12:00AM

Lab File ID: BM047467.D Time Analyzed: 09:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	398319	7.875	1.77192e+01	10.67	1.08484e+00	14.50
UPPER LIMIT	796638	8.375	3543840	11.169	2169680	15.004
LOWER LIMIT	199159.5	7.375	885960	10.169	542420	14.004
EPA SAMPLE NO.						
01 SBLK349	403239	7.86	1.80178e	10.66	1.12822e	14.49
02 SLCS349	419838	7.86	1.93668e	10.66	1.20182e	14.49
03 C0B25	394511	7.86	1.78383e	10.66	1.12342e	14.49
04 C0B26	319391	7.86	1.4456e+	10.66	894073	14.49
05 C0B35	327590	7.86	1.47299e	10.66	903499	14.49
06 C0B48	337136	7.86	1.48417e	10.66	889790	14.49
07 C0B52	257891	7.86	1.15083e	10.66	707483	14.49

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG NO.: BM091324

EPA Sample No.: SSTD020145 Date Analyzed: Sep 13 2024 12:00AM

Lab File ID: BM047510.D Time Analyzed: 09:29

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	424131	7.863	1.93029e+01	10.66	1.17947e+00	14.49
UPPER LIMIT	848262	8.363	3860580	11.163	2358940	14.992
LOWER LIMIT	212065.5	7.363	965145	10.163	589735	13.992
EPA SAMPLE NO.						
01 SBLK349	403239	7.86	1.80178e	10.66	1.12822e	14.49
02 SLCS349	419838	7.86	1.93668e	10.66	1.20182e	14.49
03 C0B25	394511	7.86	1.78383e	10.66	1.12342e	14.49
04 C0B26	319391	7.86	1.4456e+	10.66	894073	14.49
05 C0B35	327590	7.86	1.47299e	10.66	903499	14.49
06 C0B48	337136	7.86	1.48417e	10.66	889790	14.49
07 C0B52	257891	7.86	1.15083e	10.66	707483	14.49

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

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG NO.: BM091324

EPA Sample No.: SSTD020015 Date Analyzed: Sep 13 2024 12:00AM

Lab File ID: BM047467.D Time Analyzed: 09:29

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	2.16417e+01	17.239	2.00873e+	21.468	2.27666e+01	24.521
UPPER LIMIT	4328340	17.739	4017460	21.968	4553320	25.021
LOWER LIMIT	1082085	16.739	1004365	20.968	1138330	24.021
EPA SAMPLE NO.						
01 SBLK349	2.18841	17.23	1.49589e+	21.45	1.40409e+	24.49
02 SLCS349	2.33119	17.23	1.97608e+	21.46	1.7138e+0	24.50
03 C0B25	2.17467	17.23	1.55832e+	21.45	1.44135e+	24.49
04 C0B26	1.70532	17.23	1.23149e+	21.45	1.17845e+	24.49
05 C0B35	1.72362	17.23	1.25034e+	21.45	1.2013e+0	24.49
06 C0B48	1.74011	17.23	1.35755e+	21.45	1.33483e+	24.49
07 C0B52	1.37065	17.23	1.03028e+	21.45	994743 *	24.49

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM091324 SAS No.: BM091324 SDG NO.: BM091324

EPA Sample No.: SSTD020145 Date Analyzed: Sep 13 2024 12:00AM

Lab File ID: BM047510.D Time Analyzed: 09:29

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	2.28152e+01	17.227	1.77439e+	21.451	1.56839e+01	24.491
UPPER LIMIT	4563040	17.727	3548780	21.951	3136780	24.991
LOWER LIMIT	1140760	16.727	887195	20.951	784195	23.991
EPA SAMPLE NO.						
01 SBLK349	2.18841	17.23	1.49589e+	21.45	1.40409e+	24.49
02 SLCS349	2.33119	17.23	1.97608e+	21.46	1.7138e+0	24.50
03 C0B25	2.17467	17.23	1.55832e+	21.45	1.44135e+	24.49
04 C0B26	1.70532	17.23	1.23149e+	21.45	1.17845e+	24.49
05 C0B35	1.72362	17.23	1.25034e+	21.45	1.2013e+0	24.49
06 C0B48	1.74011	17.23	1.35755e+	21.45	1.33483e+	24.49
07 C0B52	1.37065	17.23	1.03028e+	21.45	994743	24.49

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM091324

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB163349BS	1,4-Dioxane	16	9.7	ug/L	61				0	0	
	Benzaldehyde	40	24	ug/L	60				0	0	
	Pyridine	40	25	ug/L	63				0	0	
	Phenol	40	27	ug/L	68				0	0	
	Bis(2-chloroethyl)ether	40	27	ug/L	68				0	0	
	2-Chlorophenol	40	28	ug/L	70				0	0	
	2-Methylphenol	40	26	ug/L	65				0	0	
	2,2-oxybis(1-Chloropropane)	40	26	ug/L	65				0	0	
	Acetophenone	40	28	ug/L	70				0	0	
	4-Methylphenol	40	27	ug/L	68				0	0	
	N-Nitroso-di-n-propylamine	40	27	ug/L	68				0	0	
	Hexachloroethane	40	28	ug/L	70				0	0	
	Nitrobenzene	40	28	ug/L	70				0	0	
	Isophorone	40	27	ug/L	68				0	0	
	2-Nitrophenol	40	28	ug/L	70				0	0	
	2,4-Dimethylphenol	40	22	ug/L	55				0	0	
	Bis(2-chloroethoxy)methane	40	27	ug/L	68				0	0	
	2,4-Dichlorophenol	40	27	ug/L	68				0	0	
	Naphthalene	40	27	ug/L	68				0	0	
	4-Chloroaniline	40	22	ug/L	55				0	0	
	Hexachlorobutadiene	40	26	ug/L	65				0	0	
	Caprolactam	40	24	ug/L	60				0	0	
	4-Chloro-3-methylphenol	40	27	ug/L	68				0	0	
	1-Methylnaphthalene	40	27	ug/L	68				0	0	
	2-Methylnaphthalene	40	27	ug/L	68				0	0	
	Hexachlorocyclopentadiene	40	20	ug/L	50				0	0	
	2,4,6-Trichlorophenol	40	24	ug/L	60				0	0	
	2,4,5-Trichlorophenol	40	25	ug/L	63				0	0	
	1,1'-Biphenyl	40	27	ug/L	68				0	0	
	2-Chloronaphthalene	40	27	ug/L	68				0	0	
	2-Nitroaniline	40	28	ug/L	70				0	0	
	Dimethylphthalate	40	27	ug/L	68				0	0	
	2,6-Dinitrotoluene	40	29	ug/L	73				0	0	
	Acenaphthylene	40	29	ug/L	73				0	0	
	3-Nitroaniline	40	28	ug/L	70				0	0	
	Acenaphthene	40	27	ug/L	68				0	0	
	2,4-Dinitrophenol	40	21	ug/L	52				0	0	
	4-Nitrophenol	40	25	ug/L	63				0	0	
	Dibenzofuran	40	27	ug/L	68				0	0	
	2,4-Dinitrotoluene	40	29	ug/L	73				0	0	
	Diethylphthalate	40	27	ug/L	68				0	0	
	Fluorene	40	28	ug/L	70				0	0	
	4-Chlorophenyl-phenylether	40	28	ug/L	70				0	0	
	4-Nitroaniline	40	31	ug/L	78				0	0	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BM091324

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB163349BS	4,6-Dinitro-2-methylphenol	40	25	ug/L	63					0	0	
	N-Nitrosodiphenylamine	40	28	ug/L	70					0	0	
	1,2,4,5-Tetrachlorobenzene	40	27	ug/L	68					0	0	
	4-Bromophenyl-phenylether	40	28	ug/L	70					0	0	
	Hexachlorobenzene	40	28	ug/L	70					0	0	
	Atrazine	40		ug/L	0					0	0	
	Pentachlorophenol	40	17	ug/L	43					0	0	
	Phenanthrene	40	28	ug/L	70					0	0	
	Pentachlorobenzene	40	26	ug/L	65					0	0	
	Anthracene	40	28	ug/L	70					0	0	
	1,2,3,4-Tetrachlorobenzene	40	27	ug/L	68					0	0	
	Carbazole	40	27	ug/L	68					0	0	
	Di-n-butylphthalate	40	29	ug/L	73					0	0	
	Fluoranthene	40	31	ug/L	78					0	0	
	Pyrene	40	31	ug/L	78					0	0	
	Butylbenzylphthalate	40	29	ug/L	73					0	0	
	3,3'-Dichlorobenzidine	40	21	ug/L	52					0	0	
	Benzo(a)anthracene	40	28	ug/L	70					0	0	
	Chrysene	40	28	ug/L	70					0	0	
	Bis(2-ethylhexyl)phthalate	40	30	ug/L	75					0	0	
	Di-n-octylphthalate	40	35	ug/L	88					0	0	
	Benzo(b)fluoranthene	40	30	ug/L	75					0	0	
	Benzo(k)fluoranthene	40	30	ug/L	75					0	0	
	Benzo(a)pyrene	40	28	ug/L	70					0	0	
	Indeno(1,2,3-cd)pyrene	40	24	ug/L	60					0	0	
	Dibenzo(a,h)anthracene	40	24	ug/L	60					0	0	
	Benzo(g,h,i)perylene	40	24	ug/L	60					0	0	
	2,3,4,6-Tetrachlorophenol	40	22	ug/L	55					0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK349

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM091324

SAS No.: BM091324 SDG NO.: BM091324

Lab File ID: BM047511.D

Lab Sample ID: PB163349BL

Instrument ID: BNA_M

Date Extracted: 09/11/2024

Matrix: (soil/water) Water

Date Analyzed: 09/13/2024

Level: (low/med) LOW

Time Analyzed: 09:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB163349BS	PB163349BS	BM047512.D	09/13/2024
C0B25	P3952-01	BM047513.D	09/13/2024
C0B26	P3952-02	BM047514.D	09/13/2024
C0B35	P3952-03	BM047515.D	09/13/2024
C0B48	P3952-04	BM047516.D	09/13/2024
C0B52	P3952-05	BM047517.D	09/13/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM091324**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3952-01	C0B25	BM047513.D	1,4-Dioxane-d8	8	5.25	66		15	120
			Pyridine-d5	40	5.03	13	*	20	120
			Phenol-d5	40	8.20	20		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.72	77		25	120
			2-Chlorophenol-d4	40	27.92	70		20	130
			4-Methylphenol-d8	40	19.77	49		25	125
			Nitrobenzene-d5	40	32.61	82		20	125
			2-Nitrophenol-d4	40	32.37	81		20	130
			2,4-Dichlorophenol-d3	40	31.22	78		20	120
			4-Chloroaniline-d4	40	18.20	45		1	146
			Dimethylphthalate-d6	40	33.55	84		25	130
			Acenaphthylene-d8	40	32.08	80		10	130
			4-Nitrophenol-d4	40	6.19	15		10	150
			Fluorene-d10	40	34.28	86		25	125
			4,6-Dinitro-2-methylphenol-d2	40	24.86	62		10	130
			Anthracene-d10	40	37.67	94		25	130
			Pyrene-d10	40	47.75	119		15	130
			Benzo(a)pyrene-d12	40	37.96	95		20	130
P3952-02	C0B26	BM047514.D	1,4-Dioxane-d8	8	6.14	77		15	120
			Pyridine-d5	40	9.06	23		20	120
			Phenol-d5	40	7.67	19		10	130
			Bis(2-Chloroethyl)ether-d8	40	34.77	87		25	120
			2-Chlorophenol-d4	40	30.38	76		20	130
			4-Methylphenol-d8	40	19.18	48		25	125
			Nitrobenzene-d5	40	35.82	90		20	125
			2-Nitrophenol-d4	40	35.64	89		20	130
			2,4-Dichlorophenol-d3	40	33.43	84		20	120
			4-Chloroaniline-d4	40	28.29	71		1	146
			Dimethylphthalate-d6	40	36.30	91		25	130
			Acenaphthylene-d8	40	35.34	88		10	130
			4-Nitrophenol-d4	40	5.28	13		10	150
			Fluorene-d10	40	37.40	93		25	125
			4,6-Dinitro-2-methylphenol-d2	40	26.21	66		10	130
			Anthracene-d10	40	41.04	103		25	130
			Pyrene-d10	40	52.15	130		15	130
			Benzo(a)pyrene-d12	40	40.87	102		20	130
P3952-03	C0B35	BM047515.D	1,4-Dioxane-d8	8	5.19	65		15	120
			Pyridine-d5	40	6.13	15	*	20	120
			Phenol-d5	40	7.06	18		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.28	76		25	120
			2-Chlorophenol-d4	40	27.00	68		20	130
			4-Methylphenol-d8	40	17.07	43		25	125
			Nitrobenzene-d5	40	31.42	79		20	125
			2-Nitrophenol-d4	40	30.17	75		20	130
			2,4-Dichlorophenol-d3	40	28.95	72		20	120
			4-Chloroaniline-d4	40	22.57	56		1	146
			Dimethylphthalate-d6	40	32.23	81		25	130
			Acenaphthylene-d8	40	30.61	77		10	130
			4-Nitrophenol-d4	40	5.10	13		10	150

Surrogate Summary

SW-846

SDG No.: **BM091324**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3952-03	C0B35	BM047515.D	Fluorene-d10	40	32.83	82		25	125
			4,6-Dinitro-2-methylphenol-d2	40	23.73	59		10	130
			Anthracene-d10	40	37.75	94		25	130
			Pyrene-d10	40	47.70	119		15	130
			Benzo(a)pyrene-d12	40	37.71	94		20	130
P3952-04	C0B48	BM047516.D	1,4-Dioxane-d8	8	4.65	58		15	120
			Pyridine-d5	40	10.00	25		20	120
			Phenol-d5	40	6.75	17		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.64	67		25	120
			2-Chlorophenol-d4	40	24.18	60		20	130
			4-Methylphenol-d8	40	15.73	39		25	125
			Nitrobenzene-d5	40	27.31	68		20	125
			2-Nitrophenol-d4	40	26.44	66		20	130
			2,4-Dichlorophenol-d3	40	27.25	68		20	120
			4-Chloroaniline-d4	40	23.30	58		1	146
			Dimethylphthalate-d6	40	27.90	70		25	130
			Acenaphthylene-d8	40	27.48	69		10	130
			4-Nitrophenol-d4	40	4.87	12		10	150
			Fluorene-d10	40	29.61	74		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.62	54		10	130
			Anthracene-d10	40	33.04	83		25	130
			Pyrene-d10	40	39.18	98		15	130
			Benzo(a)pyrene-d12	40	33.60	84		20	130
			1,4-Dioxane-d8	8	7.11	89		15	120
			Pyridine-d5	40	12.95	32		20	120
			Phenol-d5	40	9.45	24		10	130
P3952-05	C0B52	BM047517.D	Bis(2-Chloroethyl)ether-d8	40	39.09	98		25	120
			2-Chlorophenol-d4	40	33.67	84		20	130
			4-Methylphenol-d8	40	22.47	56		25	125
			Nitrobenzene-d5	40	39.64	99		20	125
			2-Nitrophenol-d4	40	38.39	96		20	130
			2,4-Dichlorophenol-d3	40	35.70	89		20	120
			4-Chloroaniline-d4	40	31.76	79		1	146
			Dimethylphthalate-d6	40	38.95	97		25	130
			Acenaphthylene-d8	40	39.06	98		10	130
			4-Nitrophenol-d4	40	6.53	16		10	150
			Fluorene-d10	40	41.13	103		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.45	69		10	130
			Anthracene-d10	40	46.94	117		25	130
			Pyrene-d10	40	57.26	143	*	15	130
			Benzo(a)pyrene-d12	40	46.94	117		20	130
			1,4-Dioxane-d8	8	5.56	70		15	120
			Pyridine-d5	40	25.21	63		20	120
			Phenol-d5	40	23.90	60		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.74	64		25	120
			2-Chlorophenol-d4	40	25.39	63		20	130
PB163349BL	PB163349BL	BM047511.D	4-Methylphenol-d8	40	24.53	61		25	125
			Nitrobenzene-d5	40	27.12	68		20	125
			2-Nitrophenol-d4	40	26.49	66		20	130

Surrogate Summary

SW-846

SDG No.: **BM091324**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB163349BL	PB163349BL	BM047511.D	2,4-Dichlorophenol-d3	40	25.46	64		20	120
			4-Chloroaniline-d4	40	23.76	59		1	146
			Dimethylphthalate-d6	40	26.35	66		25	130
			Acenaphthylene-d8	40	26.21	66		10	130
			4-Nitrophenol-d4	40	19.83	50		10	150
			Fluorene-d10	40	26.47	66		25	125
			4,6-Dinitro-2-methylphenol-d2	40	15.99	40		10	130
			Anthracene-d10	40	27.60	69		25	130
			Pyrene-d10	40	35.28	88		15	130
			Benzo(a)pyrene-d12	40	26.67	67		20	130
			1,4-Dioxane-d8	8	5.90	74		15	120
			Pyridine-d5	40	25.45	64		20	120
			Phenol-d5	40	26.75	67		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.09	68		25	120
PB163349BS	PB163349BS	BM047512.D	2-Chlorophenol-d4	40	27.26	68		20	130
			4-Methylphenol-d8	40	27.02	68		25	125
			Nitrobenzene-d5	40	28.38	71		20	125
			2-Nitrophenol-d4	40	28.48	71		20	130
			2,4-Dichlorophenol-d3	40	28.35	71		20	120
			4-Chloroaniline-d4	40	23.36	58		1	146
			Dimethylphthalate-d6	40	27.19	68		25	130
			Acenaphthylene-d8	40	27.63	69		10	130
			4-Nitrophenol-d4	40	25.23	63		10	150
			Fluorene-d10	40	27.59	69		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.10	63		10	130
			Anthracene-d10	40	27.70	69		25	130
			Pyrene-d10	40	30.25	76		15	130
			Benzo(a)pyrene-d12	40	27.68	69		20	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM091324

Lab Code: CHEM

SAS No.: BM091324 SDG NO.: BM091324

Lab File ID: BM047509.D

DFTPP Injection Date: 09/13/2024

Instrument ID: BNA_M

DFTPP Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34
68	Less than 2.0% of mass 69	0.6 (1.5) 1
69	Mass 69 relative abundance	39.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	50.6
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	23.5
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	9.5
442	Greater than 50% of mass 198	60.1
443	15.0 - 24.0% of mass 442	11.6 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020145	SSTDCCC020	BM047510.D	09/13/2024	08:49
SBLK349	PB163349BL	BM047511.D	09/13/2024	09:29
SLCS349	PB163349BS	BM047512.D	09/13/2024	10:14
C0B25	P3952-01	BM047513.D	09/13/2024	10:53
C0B26	P3952-02	BM047514.D	09/13/2024	11:33
C0B35	P3952-03	BM047515.D	09/13/2024	12:12
C0B48	P3952-04	BM047516.D	09/13/2024	12:52
C0B52	P3952-05	BM047517.D	09/13/2024	13:31
SSTD020146	SSTDCCC020EC	BM047518.D	09/13/2024	14:11