

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG112524 SAS No.: BG112524 SDG No.: BG112524

Instrument ID: BNA_G Calibration Date/Time: 11/25/2024 : 09:10

Lab File ID: BG063545.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020551 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.598	0.552	0.010	-7.7166	40.0
Benzaldehyde	0.941	1.161	0.010	23.2946	40.0
Pyridine	1.616	1.511	0.010	-6.5245	40.0
Phenol	1.794	1.803	0.080	0.4956	20.0
Bis(2-Chloroethyl)ether	1.295	1.376	0.100	6.2542	20.0
2-Chlorophenol	1.244	1.296	0.200	4.1474	20.0
2-Methylphenol	1.335	1.348	0.010	1.0051	20.0
2,2-oxybis(1-Chloropropane)	1.897	2.023	0.010	6.6871	40.0
Acetophenone	2.171	2.185	0.060	0.6164	20.0
4-Methylphenol	1.464	1.477	0.010	0.9106	20.0
N-Nitroso-di-n-propylamine	1.213	1.273	0.050	4.895	30.0
Hexachloroethane	0.537	0.556	0.100	3.4439	20.0
Nitrobenzene	0.441	0.449	0.050	1.927	25.0
Isophorone	0.805	0.834	0.050	3.6422	25.0
2-Nitrophenol	0.176	0.191	0.050	8.3593	25.0
2,4-Dimethylphenol	0.379	0.391	0.050	3.134	25.0
Bis(2-Chloroethoxy)methane	0.445	0.458	0.050	2.8858	20.0
2,4-Dichlorophenol	0.331	0.331	0.060	0.148	20.0
Naphthalene	1.022	1.084	0.200	6.0155	20.0
4-Chloroaniline	0.409	0.445	0.010	8.7572	40.0
Hexachlorobutadiene	0.295	0.286	0.040	-3.0563	30.0
Caprolactam	0.112	0.123	0.010	9.9873	40.0
4-Chloro-3-methylphenol	0.337	0.365	0.040	8.4119	25.0
1-Methylnaphthalene	0.762	0.810	0.100	6.3205	20.0
2-Methylnaphthalene	0.726	0.793	0.100	9.3367	20.0
Hexachlorocyclopentadiene	0.300	0.243	0.010	-19.0889	40.0
2,4,6-Trichlorophenol	0.386	0.384	0.090	-0.5482	25.0
2,4,5-Trichlorophenol	0.398	0.409	0.100	2.6902	25.0
1,1-Biphenyl	1.327	1.423	0.200	7.214	20.0
2-Chloronaphthalene	1.043	1.099	0.300	5.3352	20.0
2-Nitroaniline	0.329	0.355	0.050	8.1257	40.0
Dimethylphthalate	1.323	1.396	0.300	5.5521	20.0
2,6-Dinitrotoluene	0.268	0.286	0.080	6.6268	30.0
Acenaphthylene	1.556	1.679	0.400	7.8982	20.0
3-Nitroaniline	0.246	0.281	0.010	14.218	40.0
Acenaphthene	1.124	1.192	0.200	6.0265	20.0
2,4-Dinitrophenol	0.138	0.098	0.010	-28.8946	40.0
4-Nitrophenol	0.234	0.234	0.010	-0.0261	40.0
Dibenzofuran	1.613	1.736	0.300	7.6575	20.0

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EPA Sample No.: SSTD020551 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.411	0.447	0.070	8.9223	30.0
Diethylphthalate	1.336	1.463	0.300	9.4642	20.0
Fluorene	1.373	1.508	0.200	9.8608	20.0
4-Chlorophenyl-phenylether	0.819	0.863	0.100	5.3571	20.0
4-Nitroaniline	0.252	0.314	0.010	24.9473	40.0
4,6-Dinitro-2-methylphenol	0.120	0.115	0.010	-4.0316	40.0
N-Nitrosodiphenylamine	0.475	0.498	0.050	4.8394	20.0
1,2,4,5-Tetrachlorobenzene	0.703	0.718	0.100	2.1592	20.0
4-Bromophenyl-phenylether	0.224	0.227	0.070	1.3827	20.0
Hexachlorobenzene	0.235	0.234	0.050	-0.3302	25.0
Atrazine	0.229	0.243	0.010	5.7334	25.0
Pentachlorophenol	0.110	0.083	0.010	-24.1918	40.0
Phenanthrene	0.953	1.012	0.200	6.1623	20.0
Pentachlorobenzene	0.287	0.292	0.050	1.7308	20.0
Anthracene	0.974	1.035	0.200	6.3449	20.0
1,2,3,4-Tetrachlorobenzene	0.291	0.286	0.050	-1.5746	20.0
Carbazole	0.808	0.913	0.050	13.0818	40.0
Di-n-butylphthalate	0.926	1.017	0.500	9.7907	25.0
Fluoranthene	1.109	1.217	0.400	9.7528	25.0
Pyrene	1.188	1.291	0.400	8.6603	25.0
Butylbenzylphthalate	0.385	0.424	0.100	9.898	40.0
3,3-Dichlorobenzidine	0.430	0.474	0.010	10.2526	40.0
Benzo (a) anthracene	1.293	1.379	0.300	6.6556	30.0
Chrysene	1.209	1.309	0.200	8.2103	30.0
Bis(2-ethylhexyl)phthalate	0.560	0.630	0.200	12.4035	40.0
Di-n-octyl phthalate	0.887	1.017	0.010	14.6042	40.0
Benzo (b) fluoranthene	1.201	1.309	0.200	8.999	25.0
Benzo (k) fluoranthene	1.205	1.282	0.200	6.3781	25.0
Benzo (a) pyrene	1.124	1.181	0.200	5.0969	20.0
Indeno (1,2,3-cd) pyrene	1.394	1.437	0.200	3.0934	25.0
Dibenzo (a,h) anthracene	1.140	1.177	0.200	3.3004	30.0
Benzo (g,h,i) perylene	1.057	1.108	0.200	4.8648	30.0
2,3,4,6-Tetrachlorophenol	0.378	0.360	0.040	-4.8618	20.0
1,4-Dioxane-d8	0.507	0.508	0.010	0.3116	25.0
Pyridine-d5	1.588	1.422	0.010	-10.4463	40.0
Phenol-d5	1.645	1.629	0.010	-0.9551	25.0
Bis- (2-Chloroethyl) ether-d8	1.055	1.098	0.050	4.0598	25.0
2-Chlorophenol-d4	1.166	1.242	0.200	6.5452	20.0
4-Methylphenol-d8	1.375	1.397	0.010	1.5993	20.0

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Instrument ID: BNA_G Calibration Date/Time: 11/25/2024 : 09:10

Lab File ID: BG063545.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020551 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.154	0.050	7.103	20.0
2-Nitrophenol-d4	0.177	0.186	0.050	5.085	30.0
2,4-Dichlorophenol-d3	0.339	0.347	0.060	2.5151	20.0
4-Chloroaniline-d4	0.428	0.439	0.010	2.5358	40.0
Dimethylphthalate-d6	1.358	1.456	0.300	7.245	20.0
Acenaphthylene-d8	1.548	1.622	0.400	4.7339	20.0
4-Nitrophenol-d4	0.202	0.201	0.010	-0.1229	40.0
Fluorene-d10	1.234	1.317	0.100	6.728	20.0
4,6-Dinitro-2-methylphenol-d2	0.112	0.112	0.010	-0.8196	40.0
Anthracene-d10	0.869	0.921	0.300	5.9754	20.0
Pyrene-d10	1.003	1.089	0.300	8.5878	25.0
Benzo(a)pyrene-d12	0.970	1.026	0.010	5.7487	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.: BG112524 SAS No.: BG112524 SDG No.: BG112524

Instrument ID: BNA_G Calibration Date/Time: 11/25/2024 : 18:27

Lab File ID: BG063555.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020552 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.598	0.577	0.010	-3.5637	50.0
Benzaldehyde	0.941	1.279	0.010	35.841	50.0
Pyridine	1.616	1.575	0.010	-2.5529	50.0
Phenol	1.794	1.956	0.080	9.0445	50.0
Bis(2-Chloroethyl)ether	1.295	1.407	0.100	8.6572	50.0
2-Chlorophenol	1.244	1.383	0.200	11.1323	50.0
2-Methylphenol	1.335	1.470	0.010	10.1178	50.0
2,2-oxybis(1-Chloropropane)	1.897	2.138	0.010	12.7508	50.0
Acetophenone	2.171	2.357	0.060	8.5439	50.0
4-Methylphenol	1.464	1.605	0.010	9.6509	50.0
N-Nitroso-di-n-propylamine	1.213	1.351	0.050	11.3101	50.0
Hexachloroethane	0.537	0.582	0.100	8.3216	50.0
Nitrobenzene	0.441	0.467	0.050	6.0883	50.0
Isophorone	0.805	0.841	0.050	4.4946	50.0
2-Nitrophenol	0.176	0.185	0.050	5.1623	50.0
2,4-Dimethylphenol	0.379	0.408	0.050	7.6013	50.0
Bis(2-Chloroethoxy)methane	0.445	0.457	0.050	2.6923	50.0
2,4-Dichlorophenol	0.331	0.349	0.060	5.6221	50.0
Naphthalene	1.022	1.090	0.200	6.625	50.0
4-Chloroaniline	0.409	0.424	0.010	3.5339	50.0
Hexachlorobutadiene	0.295	0.316	0.040	6.9732	50.0
Caprolactam	0.112	0.117	0.010	5.1368	50.0
4-Chloro-3-methylphenol	0.337	0.381	0.040	13.1298	50.0
1-Methylnaphthalene	0.762	0.824	0.100	8.1654	50.0
2-Methylnaphthalene	0.726	0.795	0.100	9.5713	50.0
Hexachlorocyclopentadiene	0.300	0.262	0.010	-12.5512	50.0
2,4,6-Trichlorophenol	0.386	0.393	0.090	1.9789	50.0
2,4,5-Trichlorophenol	0.398	0.431	0.100	8.2841	50.0
1,1-Biphenyl	1.327	1.427	0.200	7.5041	50.0
2-Chloronaphthalene	1.043	1.111	0.300	6.5109	50.0
2-Nitroaniline	0.329	0.383	0.050	16.4868	50.0
Dimethylphthalate	1.323	1.429	0.300	8.0463	50.0
2,6-Dinitrotoluene	0.268	0.302	0.080	12.4357	50.0
Acenaphthylene	1.556	1.654	0.400	6.2775	50.0
3-Nitroaniline	0.246	0.280	0.010	13.8166	50.0
Acenaphthene	1.124	1.182	0.200	5.1415	50.0
2,4-Dinitrophenol	0.138	0.113	0.010	-18.246	50.0
4-Nitrophenol	0.234	0.228	0.010	-2.8408	50.0
Dibenzofuran	1.613	1.790	0.300	10.9728	50.0

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EPA Sample No.: SSTD020552 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.411	0.459	0.070	11.7237	50.0
Diethylphthalate	1.336	1.450	0.300	8.4819	50.0
Fluorene	1.373	1.510	0.200	9.9726	50.0
4-Chlorophenyl-phenylether	0.819	0.897	0.100	9.5318	50.0
4-Nitroaniline	0.252	0.294	0.010	16.6838	50.0
4,6-Dinitro-2-methylphenol	0.120	0.125	0.010	4.1753	50.0
N-Nitrosodiphenylamine	0.475	0.502	0.050	5.6314	50.0
1,2,4,5-Tetrachlorobenzene	0.703	0.738	0.100	4.974	50.0
4-Bromophenyl-phenylether	0.224	0.243	0.070	8.6595	50.0
Hexachlorobenzene	0.235	0.240	0.050	2.3329	50.0
Atrazine	0.229	0.247	0.010	7.6904	50.0
Pentachlorophenol	0.110	0.087	0.010	-21.269	50.0
Phenanthrene	0.953	1.024	0.200	7.4129	50.0
Pentachlorobenzene	0.287	0.295	0.050	2.6532	50.0
Anthracene	0.974	1.032	0.200	5.967	50.0
1,2,3,4-Tetrachlorobenzene	0.291	0.294	0.050	0.8661	50.0
Carbazole	0.808	0.901	0.050	11.4957	50.0
Di-n-butylphthalate	0.926	1.025	0.500	10.6526	50.0
Fluoranthene	1.109	1.209	0.400	9.0479	50.0
Pyrene	1.188	1.285	0.400	8.1582	50.0
Butylbenzylphthalate	0.385	0.413	0.100	7.0758	50.0
3,3-Dichlorobenzidine	0.430	0.487	0.010	13.3671	50.0
Benzo (a) anthracene	1.293	1.378	0.300	6.557	50.0
Chrysene	1.209	1.283	0.200	6.1018	50.0
Bis(2-ethylhexyl)phthalate	0.560	0.600	0.200	7.0395	50.0
Di-n-octyl phthalate	0.887	0.989	0.010	11.4813	50.0
Benzo (b) fluoranthene	1.201	1.292	0.200	7.6216	50.0
Benzo (k) fluoranthene	1.205	1.265	0.200	4.9497	50.0
Benzo (a) pyrene	1.124	1.178	0.200	4.8462	50.0
Indeno (1,2,3-cd) pyrene	1.394	1.446	0.200	3.7364	50.0
Dibenzo (a,h) anthracene	1.140	1.183	0.200	3.8506	50.0
Benzo (g,h,i) perylene	1.057	1.109	0.200	4.8854	50.0
2,3,4,6-Tetrachlorophenol	0.378	0.393	0.040	3.8168	50.0
1,4-Dioxane-d8	0.507	0.562	0.010	10.9006	50.0
Pyridine-d5	1.588	1.545	0.010	-2.7187	50.0
Phenol-d5	1.645	1.811	0.010	10.1183	50.0
Bis- (2-Chloroethyl) ether-d8	1.055	1.122	0.050	6.3424	50.0
2-Chlorophenol-d4	1.166	1.270	0.200	8.9445	50.0
4-Methylphenol-d8	1.375	1.556	0.010	13.2154	50.0

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Lab File ID: BG063555.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020552 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.159	0.050	11.0521	50.0
2-Nitrophenol-d4	0.177	0.193	0.050	8.902	50.0
2,4-Dichlorophenol-d3	0.339	0.373	0.060	9.9943	50.0
4-Chloroaniline-d4	0.428	0.448	0.010	4.5636	50.0
Dimethylphthalate-d6	1.358	1.457	0.300	7.3074	50.0
Acenaphthylene-d8	1.548	1.647	0.400	6.3472	50.0
4-Nitrophenol-d4	0.202	0.206	0.010	2.207	50.0
Fluorene-d10	1.234	1.353	0.100	9.6475	50.0
4,6-Dinitro-2-methylphenol-d2	0.112	0.112	0.010	-0.293	50.0
Anthracene-d10	0.869	0.930	0.300	7.0417	50.0
Pyrene-d10	1.003	1.077	0.300	7.3986	50.0
Benzo(a)pyrene-d12	0.970	1.019	0.010	5.0921	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK212	SDG No.:	BG112524
Lab Sample ID:	PB165212BL	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
BG063546.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	27	U	27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	58	U	58	82.5	330	ug/Kg
110-86-1	Pyridine	77	U	77	170	330	ug/Kg
108-95-2	Phenol	30	U	30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	29	U	29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	28	U	28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	31	U	31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	82.5	330	ug/Kg
98-86-2	Acetophenone	66	U	66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	53	U	53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	79	U	79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	61	U	61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	64	U	64	42.5	170	ug/Kg
78-59-1	Isophorone	66	U	66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	60	U	60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	32	U	32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	45	U	45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	38	U	38	42.5	170	ug/Kg
91-20-3	Naphthalene	24	U	24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	36	U	36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	35	U	35	42.5	170	ug/Kg
105-60-2	Caprolactam	64	U	64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	24	U	24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	32	U	32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	24	U	24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	33	U	33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK212	SDG No.:	BG112524
Lab Sample ID:	PB165212BL	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
BG063546.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	26	U	26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	33	U	33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	45	U	45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	30	U	30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	20	U	20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	29	U	29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	66	U	66	82.5	330	ug/Kg
83-32-9	Acenaphthene	26	U	26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	27	U	27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	35	U	35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	33	U	33	42.5	170	ug/Kg
86-73-7	Fluorene	27	U	27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	24	U	24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	38	U	38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	24	U	24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	34	U	34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	26	U	26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	28	U	28	42.5	170	ug/Kg
1912-24-9	Atrazine	28	U	28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	88	U	88	82.5	330	ug/Kg
85-01-8	Phenanthrene	27	U	27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	37	U	37	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	17	U	17	42.5	170	ug/Kg
86-74-8	Carbazole	34	U	34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	27	U	27	42.5	170	ug/Kg
206-44-0	Fluoranthene	19	U	19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK212	SDG No.:	BG112524
Lab Sample ID:	PB165212BL	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
BG063546.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.946		15-120		74	SPK: -8
7291-22-7	Pyridine-d5	28.663		20-120		72	SPK: -40
4165-62-2	Phenol-d5	34.257		10-130		86	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	34.388		10-150		86	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.994		15-120		85	SPK: -40
190780-66-6	4-Methylphenol-d8	33.339		10-140		83	SPK: -40
4165-60-0	Nitrobenzene-d5	34.286		10-135		86	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.164		10-120		83	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.298		10-140		81	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.333		1-145		78	SPK: -40
85448-30-2	Dimethylphthalate-d6	35.413		10-145		89	SPK: -40
93951-97-4	Acenaphthylene-d8	33.809		15-120		85	SPK: -40
93951-79-2	4-Nitrophenol-d4	29.116		10-150		73	SPK: -40
81103-79-9	Fluorene-d10	35.257		20-140		88	SPK: -40

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SBLK212	SDG No.:	BG112524
Lab Sample ID:	PB165212BL	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
BG063546.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	27.873		10-130		70	SPK: -40
1719-06-8	Anthracene-d10	35.839		10-150		90	SPK: -40
1718-52-1	Pyrene-d10	35.883		10-130		90	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	36.072		10-140		90	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	86735	7.824				
1146-65-2	Naphthalene-d8	365560	10.615				
15067-26-2	Acenaphthene-d10	286690	14.469				
1517-22-2	Phenanthrene-d10	730054	17.224				
1719-03-5	Chrysene-d12	852580	21.478				
1520-96-3	Perylene-d12	898823	24.528				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A11	SDG No.:	BG112524
Lab Sample ID:	P4895-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.7
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
BG063547.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	34	U	34	8.3	84	ug/Kg
100-52-7	Benzaldehyde	73	U	73	100	410	ug/Kg
110-86-1	Pyridine	97	U	97	210	410	ug/Kg
108-95-2	Phenol	38	U	38	100	410	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	36	U	36	100	410	ug/Kg
95-57-8	2-Chlorophenol	35	U	35	53.4	210	ug/Kg
95-48-7	2-Methylphenol	39	U	39	100	410	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	50	U	50	100	410	ug/Kg
98-86-2	Acetophenone	83	U	83	100	410	ug/Kg
106-44-5	4-Methylphenol	67	U	67	100	410	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	99	U	99	53.4	210	ug/Kg
67-72-1	Hexachloroethane	77	U	77	53.4	210	ug/Kg
98-95-3	Nitrobenzene	80	U	80	53.4	210	ug/Kg
78-59-1	Isophorone	83	U	83	53.4	210	ug/Kg
88-75-5	2-Nitrophenol	75	U	75	53.4	210	ug/Kg
105-67-9	2,4-Dimethylphenol	40	U	40	53.4	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	57	U	57	53.4	210	ug/Kg
120-83-2	2,4-Dichlorophenol	48	U	48	53.4	210	ug/Kg
91-20-3	Naphthalene	30	U	30	53.4	210	ug/Kg
106-47-8	4-Chloroaniline	45	U	45	53.4	410	ug/Kg
87-68-3	Hexachlorobutadiene	44	U	44	53.4	210	ug/Kg
105-60-2	Caprolactam	80	U	80	100	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52	U	52	53.4	210	ug/Kg
90-12-0	1-Methylnaphthalene	30	U	30	53.4	210	ug/Kg
91-57-6	2-Methylnaphthalene	40	U	40	53.4	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	100	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	30	U	30	53.4	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	41	U	41	53.4	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A11	SDG No.:	BG112524
Lab Sample ID:	P4895-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.7
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
BG063547.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	33	U	33	53.4	210	ug/Kg
91-58-7	2-Chloronaphthalene	41	U	41	53.4	210	ug/Kg
88-74-4	2-Nitroaniline	57	U	57	53.4	210	ug/Kg
131-11-3	Dimethylphthalate	38	U	38	53.4	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	53.4	210	ug/Kg
208-96-8	Acenaphthylene	36	U	36	53.4	210	ug/Kg
99-09-2	3-Nitroaniline	83	U	83	100	410	ug/Kg
83-32-9	Acenaphthene	33	U	33	53.4	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	100	410	ug/Kg
100-02-7	4-Nitrophenol	55	U	55	100	410	ug/Kg
132-64-9	Dibenzofuran	34	U	34	53.4	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	44	U	44	53.4	210	ug/Kg
84-66-2	Diethylphthalate	41	U	41	53.4	210	ug/Kg
86-73-7	Fluorene	34	U	34	53.4	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	25	U	25	53.4	210	ug/Kg
100-01-6	4-Nitroaniline	30	U	30	100	410	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	48	U	48	100	410	ug/Kg
86-30-6	N-Nitrosodiphenylamine	30	U	30	53.4	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	43	U	43	53.4	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	33	U	33	53.4	210	ug/Kg
118-74-1	Hexachlorobenzene	35	U	35	53.4	210	ug/Kg
1912-24-9	Atrazine	35	U	35	100	410	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	100	410	ug/Kg
85-01-8	Phenanthrene	34	U	34	53.4	210	ug/Kg
608-93-5	Pentachlorobenzene	47	U	47	53.4	210	ug/Kg
120-12-7	Anthracene	31	U	31	53.4	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	53.4	210	ug/Kg
86-74-8	Carbazole	43	U	43	100	410	ug/Kg
84-74-2	Di-n-butylphthalate	34	U	34	53.4	210	ug/Kg
206-44-0	Fluoranthene	74	J	24	100	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A11	SDG No.:	BG112524
Lab Sample ID:	P4895-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.7
Sample Wt/Vol:	30.1	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Decanted :	Level :
Injection Volume :		GPC Factor :	LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063547.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	62	J	23	53.4	210	ug/Kg
85-68-7	Butylbenzylphthalate	28	U	28	53.4	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	65	U	65	100	410	ug/Kg
56-55-3	Benzo(a)anthracene	29	U	29	53.4	210	ug/Kg
218-01-9	Chrysene	30	U	30	53.4	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	31	U	31	53.4	210	ug/Kg
117-84-0	Di-n-octyl phthalate	60	U	60	100	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	47	U	47	53.4	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	48	U	48	53.4	210	ug/Kg
50-32-8	Benzo(a)pyrene	39	U	39	53.4	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	35	U	35	53.4	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	33	U	33	53.4	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	40	U	40	53.4	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	45	U	45	53.4	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	1.599		15-120		20	SPK: -8
7291-22-7	Pyridine-d5	8.761		20-120		22	SPK: -40
4165-62-2	Phenol-d5	12.55		10-130		31	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	12.153		10-150		30	SPK: -40
93951-73-6	2-Chlorophenol-d4	12.444		15-120		31	SPK: -40
190780-66-6	4-Methylphenol-d8	13.269		10-140		33	SPK: -40
4165-60-0	Nitrobenzene-d5	11.452		10-135		29	SPK: -40
93951-78-1	2-Nitrophenol-d4	12.234		10-120		31	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	13.386		10-140		33	SPK: -40
191656-33-4	4-Chloroaniline-d4	12.423		1-145		31	SPK: -40
85448-30-2	Dimethylphthalate-d6	17.641		10-145		44	SPK: -40
93951-97-4	Acenaphthylene-d8	15.34		15-120		38	SPK: -40
93951-79-2	4-Nitrophenol-d4	12.113		10-150		30	SPK: -40
81103-79-9	Fluorene-d10	17.212		20-140		43	SPK: -40

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A11	SDG No.:	BG112524
Lab Sample ID:	P4895-01	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	20.7
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
BG063547.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	10.913		10-130		27	SPK: -40
1719-06-8	Anthracene-d10	18.86		10-150		47	SPK: -40
1718-52-1	Pyrene-d10	19.409		10-130		49	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	19.21		10-140		48	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	97332	7.823				
1146-65-2	Naphthalene-d8	422401	10.613				
15067-26-2	Acenaphthene-d10	321501	14.468				
1517-22-2	Phenanthrene-d10	776871	17.223				
1719-03-5	Chrysene-d12	845960	21.483				
1520-96-3	Perylene-d12	902252	24.521				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	180	J			15.831	
	(DEL) Alkane: Straight-Chain	21.148	J			21.148	
	(DEL) Alkane: Straight-Chain	22.247	J			22.247	
	(DEL) Alkane: Straight-Chain	23.645	J			23.645	
	(DEL) Alkane: Straight-Chain	23.704	J			23.704	
	(DEL) Alkane: Straight-Chain	25.572	J			25.572	
E966796	Total Alkanes	1100				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12	SDG No.:	BG112524
Lab Sample ID:	P4895-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063548.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	33	U	33	8	81	ug/Kg
100-52-7	Benzaldehyde	70	U	70	99.9	400	ug/Kg
110-86-1	Pyridine	93	U	93	200	400	ug/Kg
108-95-2	Phenol	36	U	36	99.9	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	35	U	35	99.9	400	ug/Kg
95-57-8	2-Chlorophenol	34	U	34	51.5	210	ug/Kg
95-48-7	2-Methylphenol	38	U	38	99.9	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	48	U	48	99.9	400	ug/Kg
98-86-2	Acetophenone	80	U	80	99.9	400	ug/Kg
106-44-5	4-Methylphenol	64	U	64	99.9	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	96	U	96	51.5	210	ug/Kg
67-72-1	Hexachloroethane	74	U	74	51.5	210	ug/Kg
98-95-3	Nitrobenzene	77	U	77	51.5	210	ug/Kg
78-59-1	Isophorone	80	U	80	51.5	210	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	51.5	210	ug/Kg
105-67-9	2,4-Dimethylphenol	39	U	39	51.5	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	54	U	54	51.5	210	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	51.5	210	ug/Kg
91-20-3	Naphthalene	29	U	29	51.5	210	ug/Kg
106-47-8	4-Chloroaniline	44	U	44	51.5	400	ug/Kg
87-68-3	Hexachlorobutadiene	42	U	42	51.5	210	ug/Kg
105-60-2	Caprolactam	77	U	77	99.9	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50	U	50	51.5	210	ug/Kg
90-12-0	1-Methylnaphthalene	29	U	29	51.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	39	U	39	51.5	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	99.9	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	29	U	29	51.5	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	40	U	40	51.5	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12	SDG No.:	BG112524
Lab Sample ID:	P4895-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
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
BG063548.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	31	U	31	51.5	210	ug/Kg
91-58-7	2-Chloronaphthalene	40	U	40	51.5	210	ug/Kg
88-74-4	2-Nitroaniline	54	U	54	51.5	210	ug/Kg
131-11-3	Dimethylphthalate	36	U	36	51.5	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	24	U	24	51.5	210	ug/Kg
208-96-8	Acenaphthylene	35	U	35	51.5	210	ug/Kg
99-09-2	3-Nitroaniline	80	U	80	99.9	400	ug/Kg
83-32-9	Acenaphthene	31	U	31	51.5	210	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	99.9	400	ug/Kg
100-02-7	4-Nitrophenol	53	U	53	99.9	400	ug/Kg
132-64-9	Dibenzofuran	33	U	33	51.5	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	42	U	42	51.5	210	ug/Kg
84-66-2	Diethylphthalate	40	U	40	51.5	210	ug/Kg
86-73-7	Fluorene	33	U	33	51.5	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	24	U	24	51.5	210	ug/Kg
100-01-6	4-Nitroaniline	29	U	29	99.9	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	46	U	46	99.9	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	29	U	29	51.5	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	41	U	41	51.5	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	31	U	31	51.5	210	ug/Kg
118-74-1	Hexachlorobenzene	34	U	34	51.5	210	ug/Kg
1912-24-9	Atrazine	34	U	34	99.9	400	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	99.9	400	ug/Kg
85-01-8	Phenanthrene	160	J	33	51.5	210	ug/Kg
608-93-5	Pentachlorobenzene	45	U	45	51.5	210	ug/Kg
120-12-7	Anthracene	30	U	30	51.5	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	21	U	21	51.5	210	ug/Kg
86-74-8	Carbazole	41	U	41	99.9	400	ug/Kg
84-74-2	Di-n-butylphthalate	33	U	33	51.5	210	ug/Kg
206-44-0	Fluoranthene	270		23	99.9	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12	SDG No.:	BG112524
Lab Sample ID:	P4895-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
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
BG063548.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	200	J	22	51.5	210	ug/Kg
85-68-7	Butylbenzylphthalate	27	U	27	51.5	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63	U	63	99.9	400	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	28	51.5	210	ug/Kg
218-01-9	Chrysene	100	J	29	51.5	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	30	U	30	51.5	210	ug/Kg
117-84-0	Di-n-octyl phthalate	58	U	58	99.9	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	45	51.5	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	50	J	46	51.5	210	ug/Kg
50-32-8	Benzo(a)pyrene	93	J	38	51.5	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50	J	34	51.5	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	31	U	31	51.5	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	60	J	39	51.5	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	44	U	44	51.5	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.564		15-120		32	SPK: -8
7291-22-7	Pyridine-d5	10.37		20-120		26	SPK: -40
4165-62-2	Phenol-d5	17.416		10-130		44	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	17.402		10-150		44	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.644		15-120		44	SPK: -40
190780-66-6	4-Methylphenol-d8	19.476		10-140		49	SPK: -40
4165-60-0	Nitrobenzene-d5	18.096		10-135		45	SPK: -40
93951-78-1	2-Nitrophenol-d4	17.366		10-120		43	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	17.967		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	18.817		1-145		47	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.299		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	22.566		15-120		56	SPK: -40
93951-79-2	4-Nitrophenol-d4	15.635		10-150		39	SPK: -40
81103-79-9	Fluorene-d10	24.897		20-140		62	SPK: -40

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12	SDG No.:	BG112524
Lab Sample ID:	P4895-02	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
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
BG063548.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	13.851		10-130		35	SPK: -40
1719-06-8	Anthracene-d10	26.632		10-150		67	SPK: -40
1718-52-1	Pyrene-d10	27.91		10-130		70	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	27.358		10-140		68	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94743	7.825				
1146-65-2	Naphthalene-d8	391681	10.616				
15067-26-2	Acenaphthene-d10	308440	14.47				
1517-22-2	Phenanthrene-d10	746404	17.22				
1719-03-5	Chrysene-d12	808682	21.474				
1520-96-3	Perylene-d12	896336	24.517				
TENTATIVE IDENTIFIED COMPOUNDS							
000119-61-9	Benzophenone	230	J			15.828	
	(DEL) Alkane: Straight-Chain	21.139	J			21.139	
E966796	Total Alkanes	130				99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MS	SDG No.:	BG112524
Lab Sample ID:	P4895-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063549.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	400		33	8	81	ug/Kg
100-52-7	Benzaldehyde	620		70	99.6	400	ug/Kg
110-86-1	Pyridine	970		93	200	400	ug/Kg
108-95-2	Phenol	1300		36	99.6	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1300		35	99.6	400	ug/Kg
95-57-8	2-Chlorophenol	1300		34	51.3	210	ug/Kg
95-48-7	2-Methylphenol	1300		37	99.6	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		48	99.6	400	ug/Kg
98-86-2	Acetophenone	1300		80	99.6	400	ug/Kg
106-44-5	4-Methylphenol	1400		64	99.6	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1400		95	51.3	210	ug/Kg
67-72-1	Hexachloroethane	1300		74	51.3	210	ug/Kg
98-95-3	Nitrobenzene	1300		77	51.3	210	ug/Kg
78-59-1	Isophorone	1300		80	51.3	210	ug/Kg
88-75-5	2-Nitrophenol	1300		72	51.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		39	51.3	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1300		54	51.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1300		46	51.3	210	ug/Kg
91-20-3	Naphthalene	1300		29	51.3	210	ug/Kg
106-47-8	4-Chloroaniline	540		43	51.3	400	ug/Kg
87-68-3	Hexachlorobutadiene	1300		42	51.3	210	ug/Kg
105-60-2	Caprolactam	1300		77	99.6	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		50	51.3	210	ug/Kg
90-12-0	1-Methylnaphthalene	1300		29	51.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	1400		39	51.3	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1100		120	99.6	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1300		29	51.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		40	51.3	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MS	SDG No.:	BG112524
Lab Sample ID:	P4895-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.07 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
BG063549.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1400		31	51.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1300		40	51.3	210	ug/Kg
88-74-4	2-Nitroaniline	1500		54	51.3	210	ug/Kg
131-11-3	Dimethylphthalate	1400		36	51.3	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		24	51.3	210	ug/Kg
208-96-8	Acenaphthylene	1400		35	51.3	210	ug/Kg
99-09-2	3-Nitroaniline	1400		80	99.6	400	ug/Kg
83-32-9	Acenaphthene	1400		31	51.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	99.6	400	ug/Kg
100-02-7	4-Nitrophenol	1400		53	99.6	400	ug/Kg
132-64-9	Dibenzofuran	1400		33	51.3	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		42	51.3	210	ug/Kg
84-66-2	Diethylphthalate	1400		40	51.3	210	ug/Kg
86-73-7	Fluorene	1400		33	51.3	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		24	51.3	210	ug/Kg
100-01-6	4-Nitroaniline	1600		29	99.6	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		46	99.6	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1400		29	51.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		41	51.3	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		31	51.3	210	ug/Kg
118-74-1	Hexachlorobenzene	1300		34	51.3	210	ug/Kg
1912-24-9	Atrazine	34	U	34	99.6	400	ug/Kg
87-86-5	Pentachlorophenol	1100		110	99.6	400	ug/Kg
85-01-8	Phenanthrene	1500		33	51.3	210	ug/Kg
608-93-5	Pentachlorobenzene	1300		45	51.3	210	ug/Kg
120-12-7	Anthracene	1400		30	51.3	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1300		21	51.3	210	ug/Kg
86-74-8	Carbazole	1400		41	99.6	400	ug/Kg
84-74-2	Di-n-butylphthalate	1400		33	51.3	210	ug/Kg
206-44-0	Fluoranthene	1600		23	99.6	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MS	SDG No.:	BG112524
Lab Sample ID:	P4895-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	uL
Extraction Type :		Decanted :	Level :
			LOW
Injection Volume :		GPC Factor :	GPC Cleanup :
			PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063549.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1500		22	51.3	210	ug/Kg
85-68-7	Butylbenzylphthalate	1400		27	51.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		63	99.6	400	ug/Kg
56-55-3	Benzo(a)anthracene	1500		28	51.3	210	ug/Kg
218-01-9	Chrysene	1500		29	51.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		30	51.3	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		58	99.6	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		45	51.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		46	51.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	1400		37	51.3	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		34	51.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		31	51.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		39	51.3	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		43	51.3	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.137		15-120		27	SPK: -8
7291-22-7	Pyridine-d5	9.987		20-120		25	SPK: -40
4165-62-2	Phenol-d5	16.396		10-130		41	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	16.968		10-150		42	SPK: -40
93951-73-6	2-Chlorophenol-d4	17.733		15-120		44	SPK: -40
190780-66-6	4-Methylphenol-d8	18.247		10-140		46	SPK: -40
4165-60-0	Nitrobenzene-d5	16.451		10-135		41	SPK: -40
93951-78-1	2-Nitrophenol-d4	15.598		10-120		39	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.52		10-140		46	SPK: -40
191656-33-4	4-Chloroaniline-d4	14.27		1-145		36	SPK: -40
85448-30-2	Dimethylphthalate-d6	20.464		10-145		51	SPK: -40
93951-97-4	Acenaphthylene-d8	19.809		15-120		50	SPK: -40
93951-79-2	4-Nitrophenol-d4	16.045		10-150		40	SPK: -40
81103-79-9	Fluorene-d10	20.858		20-140		52	SPK: -40

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MS	SDG No.:	BG112524
Lab Sample ID:	P4895-04MS	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.07 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
BG063549.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.276		10-130		36	SPK: -40
1719-06-8	Anthracene-d10	20.704		10-150		52	SPK: -40
1718-52-1	Pyrene-d10	22.141		10-130		55	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.729		10-140		54	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93858	7.83				
1146-65-2	Naphthalene-d8	401213	10.615				
15067-26-2	Acenaphthene-d10	310053	14.469				
1517-22-2	Phenanthrene-d10	790530	17.219				
1719-03-5	Chrysene-d12	837643	21.479				
1520-96-3	Perylene-d12	904854	24.516				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MSD	SDG No.:	BG112524
Lab Sample ID:	P4895-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.09 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
BG063550.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	360		33	8	80	ug/Kg
100-52-7	Benzaldehyde	590		70	99.6	400	ug/Kg
110-86-1	Pyridine	900		93	200	400	ug/Kg
108-95-2	Phenol	1200		36	99.6	400	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1200		35	99.6	400	ug/Kg
95-57-8	2-Chlorophenol	1200		34	51.3	210	ug/Kg
95-48-7	2-Methylphenol	1200		37	99.6	400	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		48	99.6	400	ug/Kg
98-86-2	Acetophenone	1200		80	99.6	400	ug/Kg
106-44-5	4-Methylphenol	1200		64	99.6	400	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1200		95	51.3	210	ug/Kg
67-72-1	Hexachloroethane	1200		74	51.3	210	ug/Kg
98-95-3	Nitrobenzene	1200		77	51.3	210	ug/Kg
78-59-1	Isophorone	1200		80	51.3	210	ug/Kg
88-75-5	2-Nitrophenol	1300		72	51.3	210	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		39	51.3	210	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1200		54	51.3	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		46	51.3	210	ug/Kg
91-20-3	Naphthalene	1200		29	51.3	210	ug/Kg
106-47-8	4-Chloroaniline	500		43	51.3	400	ug/Kg
87-68-3	Hexachlorobutadiene	1200		42	51.3	210	ug/Kg
105-60-2	Caprolactam	1200		77	99.6	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		49	51.3	210	ug/Kg
90-12-0	1-Methylnaphthalene	1200		29	51.3	210	ug/Kg
91-57-6	2-Methylnaphthalene	1300		39	51.3	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1000		120	99.6	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		29	51.3	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1300		40	51.3	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MSD	SDG No.:	BG112524
Lab Sample ID:	P4895-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.09 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
BG063550.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1300		31	51.3	210	ug/Kg
91-58-7	2-Chloronaphthalene	1300		40	51.3	210	ug/Kg
88-74-4	2-Nitroaniline	1400		54	51.3	210	ug/Kg
131-11-3	Dimethylphthalate	1300		36	51.3	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		24	51.3	210	ug/Kg
208-96-8	Acenaphthylene	1300		35	51.3	210	ug/Kg
99-09-2	3-Nitroaniline	1300		80	99.6	400	ug/Kg
83-32-9	Acenaphthene	1300		31	51.3	210	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		160	99.6	400	ug/Kg
100-02-7	4-Nitrophenol	1300		53	99.6	400	ug/Kg
132-64-9	Dibenzofuran	1300		33	51.3	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		42	51.3	210	ug/Kg
84-66-2	Diethylphthalate	1300		40	51.3	210	ug/Kg
86-73-7	Fluorene	1300		33	51.3	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		24	51.3	210	ug/Kg
100-01-6	4-Nitroaniline	1600		29	99.6	400	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		46	99.6	400	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1300		29	51.3	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1300		41	51.3	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		31	51.3	210	ug/Kg
118-74-1	Hexachlorobenzene	1300		34	51.3	210	ug/Kg
1912-24-9	Atrazine	36	J	34	99.6	400	ug/Kg
87-86-5	Pentachlorophenol	1100		110	99.6	400	ug/Kg
85-01-8	Phenanthrene	1400		33	51.3	210	ug/Kg
608-93-5	Pentachlorobenzene	1200		45	51.3	210	ug/Kg
120-12-7	Anthracene	1300		30	51.3	210	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1200		21	51.3	210	ug/Kg
86-74-8	Carbazole	1400		41	99.6	400	ug/Kg
84-74-2	Di-n-butylphthalate	1400		33	51.3	210	ug/Kg
206-44-0	Fluoranthene	1500		23	99.6	210	ug/Kg

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MSD	SDG No.:	BG112524
Lab Sample ID:	P4895-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	500
		Test:	
Extraction Type :		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063550.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1400		22	51.3	210	ug/Kg
85-68-7	Butylbenzylphthalate	1400		27	51.3	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		63	99.6	400	ug/Kg
56-55-3	Benzo(a)anthracene	1400		28	51.3	210	ug/Kg
218-01-9	Chrysene	1400		29	51.3	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		30	51.3	210	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		58	99.6	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		45	51.3	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1400		46	51.3	210	ug/Kg
50-32-8	Benzo(a)pyrene	1400		37	51.3	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		34	51.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		31	51.3	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		39	51.3	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1200		43	51.3	210	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	2.257		15-120		28	SPK: -8
7291-22-7	Pyridine-d5	9.077		20-120		23	SPK: -40
4165-62-2	Phenol-d5	16.113		10-130		40	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	15.558		10-150		39	SPK: -40
93951-73-6	2-Chlorophenol-d4	15.652		15-120		39	SPK: -40
190780-66-6	4-Methylphenol-d8	16.434		10-140		41	SPK: -40
4165-60-0	Nitrobenzene-d5	16.638		10-135		42	SPK: -40
93951-78-1	2-Nitrophenol-d4	14.884		10-120		37	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	18.164		10-140		45	SPK: -40
191656-33-4	4-Chloroaniline-d4	13.154		1-145		33	SPK: -40
85448-30-2	Dimethylphthalate-d6	19.411		10-145		49	SPK: -40
93951-97-4	Acenaphthylene-d8	18.211		15-120		46	SPK: -40
93951-79-2	4-Nitrophenol-d4	14.879		10-150		37	SPK: -40
81103-79-9	Fluorene-d10	19.718		20-140		49	SPK: -40

Report of Analysis

Client:		Date Collected:	11/15/2024 12:00:00 AM
Project:		Date Received:	11/15/2024 12:00:00 AM
Client Sample ID:	E2A12MSD	SDG No.:	BG112524
Lab Sample ID:	P4895-05MSD	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	17.4
Sample Wt/Vol:	30.09 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
BG063550.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	14.075		10-130		35	SPK: -40
1719-06-8	Anthracene-d10	20.156		10-150		50	SPK: -40
1718-52-1	Pyrene-d10	20.848		10-130		52	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.653		10-140		52	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	96986	7.829				
1146-65-2	Naphthalene-d8	398433	10.613				
15067-26-2	Acenaphthene-d10	310170	14.468				
1517-22-2	Phenanthrene-d10	788224	17.223				
1719-03-5	Chrysene-d12	859278	21.477				
1520-96-3	Perylene-d12	920461	24.515				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	31	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BG112524
Lab Sample ID:	P4965-03	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
BG063551.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	2.3	U	2.3	5	10	ug/L
110-86-1	Pyridine	2.2	U	2.2	10	10	ug/L
108-95-2	Phenol	1.5	U	1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.3	U	1.3	5	10	ug/L
95-57-8	2-Chlorophenol	1.2	U	1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	0.82	U	0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.2	U	1.2	5	10	ug/L
98-86-2	Acetophenone	0.89	U	0.89	5	10	ug/L
106-44-5	4-Methylphenol	1.2	U	1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	1.5	U	1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	0.99	U	0.99	2.5	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.2	U	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.1	U	1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.2	U	1.2	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.93	U	0.93	2.5	5	ug/L
91-20-3	Naphthalene	0.7	U	0.7	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.8	U	1.8	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.9	U	2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2	U	2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1	U	1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.6	U	1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.1	U	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.81	U	0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.8	U	0.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BG112524
Lab Sample ID:	P4965-03	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
BG063551.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	0.99	U	0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.1	U	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.7	U	1.7	2.5	5	ug/L
131-11-3	Dimethylphthalate	1.3	U	1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	1.5	U	1.5	5	10	ug/L
83-32-9	Acenaphthene	1.1	U	1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2.8	U	2.8	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.87	U	0.87	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	0.87	U	0.87	2.5	5	ug/L
86-73-7	Fluorene	0.87	U	0.87	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.96	U	0.96	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.2	U	1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.71	U	0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.9	U	0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.4	U	1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.56	U	0.56	2.5	5	ug/L
1912-24-9	Atrazine	0.96	U	0.96	5	10	ug/L
87-86-5	Pentachlorophenol	2.5	U	2.5	5	10	ug/L
85-01-8	Phenanthrene	0.97	U	0.97	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.2	U	1.2	2.5	5	ug/L
120-12-7	Anthracene	0.72	U	0.72	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	0.92	U	0.92	2.5	5	ug/L
86-74-8	Carbazole	1	U	1	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.81	U	0.81	2.5	5	ug/L
206-44-0	Fluoranthene	0.65	U	0.65	5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BG112524
Lab Sample ID:	P4965-03	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
BG063551.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	0.53	U	0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.97	U	0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.7	U	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.56	U	0.56	2.5	5	ug/L
218-01-9	Chrysene	0.75	U	0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.87	U	0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	1.5	U	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.1	U	1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.1	U	1.1	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	1.2	U	1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.05		15-120		63	SPK: -8
7291-22-7	Pyridine-d5	8.565		20-120		21	SPK: -40
4165-62-2	Phenol-d5	9.346		10-130		23	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	35.721		25-120		89	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.684		20-130		79	SPK: -40
190780-66-6	4-Methylphenol-d8	21.05		25-125		53	SPK: -40
4165-60-0	Nitrobenzene-d5	35.34		20-125		88	SPK: -40
93951-78-1	2-Nitrophenol-d4	34.704		20-130		87	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.223		20-120		83	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.142		1-146		70	SPK: -40
85448-30-2	Dimethylphthalate-d6	39.479		25-130		99	SPK: -40
93951-97-4	Acenaphthylene-d8	38.558		10-130		96	SPK: -40
93951-79-2	4-Nitrophenol-d4	9.309		10-150		23	SPK: -40
81103-79-9	Fluorene-d10	40.91		25-125		102	SPK: -40

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	E1PJ0	SDG No.:	BG112524
Lab Sample ID:	P4965-03	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
BG063551.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	36.861		10-130		92	SPK: -40
1719-06-8	Anthracene-d10	43.013		25-130		108	SPK: -40
1718-52-1	Pyrene-d10	43.811		15-130		110	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	42.895		20-130		107	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87097	7.823				
1146-65-2	Naphthalene-d8	365720	10.614				
15067-26-2	Acenaphthene-d10	287631	14.469				
1517-22-2	Phenanthrene-d10	732798	17.224				
1719-03-5	Chrysene-d12	821746	21.478				
1520-96-3	Perylene-d12	879944	24.516				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK231	SDG No.:	BG112524
Lab Sample ID:	PB165231BL	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
BG063552.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	1.2	U	1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	2.3	U	2.3	5	10	ug/L
110-86-1	Pyridine	2.2	U	2.2	10	10	ug/L
108-95-2	Phenol	1.5	U	1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	1.3	U	1.3	5	10	ug/L
95-57-8	2-Chlorophenol	1.2	U	1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	0.82	U	0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.2	U	1.2	5	10	ug/L
98-86-2	Acetophenone	0.89	U	0.89	5	10	ug/L
106-44-5	4-Methylphenol	1.2	U	1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	1.5	U	1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	0.99	U	0.99	2.5	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	1.2	U	1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	1.1	U	1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	1.2	U	1.2	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	0.93	U	0.93	2.5	5	ug/L
91-20-3	Naphthalene	0.7	U	0.7	2.5	5	ug/L
106-47-8	4-Chloroaniline	1.8	U	1.8	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	0.98	U	0.98	2.5	5	ug/L
105-60-2	Caprolactam	2.9	U	2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	2	U	2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	1	U	1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	1.6	U	1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	3.1	U	3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.81	U	0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	0.8	U	0.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK231	SDG No.:	BG112524
Lab Sample ID:	PB165231BL	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
BG063552.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	0.99	U	0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	1.1	U	1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	1.7	U	1.7	2.5	5	ug/L
131-11-3	Dimethylphthalate	1.3	U	1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	1.5	U	1.5	5	10	ug/L
83-32-9	Acenaphthene	1.1	U	1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	2.8	U	2.8	5	10	ug/L
100-02-7	4-Nitrophenol	1.4	U	1.4	5	10	ug/L
132-64-9	Dibenzofuran	0.87	U	0.87	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	0.87	U	0.87	2.5	5	ug/L
86-73-7	Fluorene	0.87	U	0.87	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.96	U	0.96	2.5	5	ug/L
100-01-6	4-Nitroaniline	1.2	U	1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	0.71	U	0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.9	U	0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	1.4	U	1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	0.56	U	0.56	2.5	5	ug/L
1912-24-9	Atrazine	0.96	U	0.96	5	10	ug/L
87-86-5	Pentachlorophenol	2.5	U	2.5	5	10	ug/L
85-01-8	Phenanthrene	0.97	U	0.97	2.5	5	ug/L
608-93-5	Pentachlorobenzene	1.2	U	1.2	2.5	5	ug/L
120-12-7	Anthracene	0.72	U	0.72	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	0.92	U	0.92	2.5	5	ug/L
86-74-8	Carbazole	1	U	1	5	10	ug/L
84-74-2	Di-n-butylphthalate	0.81	U	0.81	2.5	5	ug/L
206-44-0	Fluoranthene	0.65	U	0.65	5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK231	SDG No.:	BG112524
Lab Sample ID:	PB165231BL	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
BG063552.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	0.53	U	0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	0.97	U	0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.7	U	1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	0.56	U	0.56	2.5	5	ug/L
218-01-9	Chrysene	0.75	U	0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	0.87	U	0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	1.5	U	1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.1	U	1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	1.1	U	1.1	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	1.2	U	1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.1	U	1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1	U	1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.249		15-120		78	SPK: -8
7291-22-7	Pyridine-d5	26.118		20-120		65	SPK: -40
4165-62-2	Phenol-d5	31.35		10-130		78	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.505		25-120		79	SPK: -40
93951-73-6	2-Chlorophenol-d4	31.081		20-130		78	SPK: -40
190780-66-6	4-Methylphenol-d8	30.949		25-125		77	SPK: -40
4165-60-0	Nitrobenzene-d5	32.563		20-125		81	SPK: -40
93951-78-1	2-Nitrophenol-d4	30.657		20-130		77	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.608		20-120		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	30.438		1-146		76	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.402		25-130		84	SPK: -40
93951-97-4	Acenaphthylene-d8	32.178		10-130		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	28.401		10-150		71	SPK: -40
81103-79-9	Fluorene-d10	33.916		25-125		85	SPK: -40

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SBLK231	SDG No.:	BG112524
Lab Sample ID:	PB165231BL	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
BG063552.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	28.251		10-130		71	SPK: -40
1719-06-8	Anthracene-d10	33.754		25-130		84	SPK: -40
1718-52-1	Pyrene-d10	34.883		15-130		87	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	34.155		20-130		85	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	92541	7.829				
1146-65-2	Naphthalene-d8	386668	10.614				
15067-26-2	Acenaphthene-d10	308767	14.468				
1517-22-2	Phenanthrene-d10	780337	17.224				
1719-03-5	Chrysene-d12	850638	21.478				
1520-96-3	Perylene-d12	897028	24.515				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS231	SDG No.:	BG112524
Lab Sample ID:	PB165231BS	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
BG063553.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	10		1.2	0.5	2	ug/L
100-52-7	Benzaldehyde	24		2.3	5	10	ug/L
110-86-1	Pyridine	27		2.2	10	10	ug/L
108-95-2	Phenol	33		1.5	5	10	ug/L
111-44-4	Bis(2-Chloroethyl)ether	32		1.3	5	10	ug/L
95-57-8	2-Chlorophenol	33		1.2	2.5	5	ug/L
95-48-7	2-Methylphenol	32		0.82	5	10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	34		1.2	5	10	ug/L
98-86-2	Acetophenone	31		0.89	5	10	ug/L
106-44-5	4-Methylphenol	32		1.2	5	10	ug/L
621-64-7	N-Nitroso-di-n-propylamine	33		1.5	2.5	5	ug/L
67-72-1	Hexachloroethane	33		1.5	2.5	5	ug/L
98-95-3	Nitrobenzene	31		0.99	2.5	5	ug/L
78-59-1	Isophorone	31		1.1	2.5	5	ug/L
88-75-5	2-Nitrophenol	33		1.2	2.5	5	ug/L
105-67-9	2,4-Dimethylphenol	26		1.1	2.5	5	ug/L
111-91-1	Bis(2-Chloroethoxy)methane	31		1.2	2.5	5	ug/L
120-83-2	2,4-Dichlorophenol	31		0.93	2.5	5	ug/L
91-20-3	Naphthalene	31		0.7	2.5	5	ug/L
106-47-8	4-Chloroaniline	23		1.8	2.5	10	ug/L
87-68-3	Hexachlorobutadiene	30		0.98	2.5	5	ug/L
105-60-2	Caprolactam	31		2.9	5	10	ug/L
59-50-7	4-Chloro-3-methylphenol	33		2	2.5	5	ug/L
90-12-0	1-Methylnaphthalene	30		1	2.5	5	ug/L
91-57-6	2-Methylnaphthalene	32		1.6	2.5	5	ug/L
77-47-4	Hexachlorocyclopentadiene	24		3.1	5	10	ug/L
88-06-2	2,4,6-Trichlorophenol	28		0.81	2.5	5	ug/L
95-95-4	2,4,5-Trichlorophenol	30		0.8	2.5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS231	SDG No.:	BG112524
Lab Sample ID:	PB165231BS	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
BG063553.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	32		0.99	2.5	5	ug/L
91-58-7	2-Chloronaphthalene	32		1.1	2.5	5	ug/L
88-74-4	2-Nitroaniline	34		1.7	2.5	5	ug/L
131-11-3	Dimethylphthalate	32		1.3	2.5	5	ug/L
606-20-2	2,6-Dinitrotoluene	33		1.3	2.5	5	ug/L
208-96-8	Acenaphthylene	34		1.1	2.5	5	ug/L
99-09-2	3-Nitroaniline	36		1.5	5	10	ug/L
83-32-9	Acenaphthene	32		1.1	2.5	5	ug/L
51-28-5	2,4-Dinitrophenol	32		2.8	5	10	ug/L
100-02-7	4-Nitrophenol	32		1.4	5	10	ug/L
132-64-9	Dibenzofuran	32		0.87	2.5	5	ug/L
121-14-2	2,4-Dinitrotoluene	33		1.1	2.5	5	ug/L
84-66-2	Diethylphthalate	33		0.87	2.5	5	ug/L
86-73-7	Fluorene	33		0.87	2.5	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	32		0.96	2.5	5	ug/L
100-01-6	4-Nitroaniline	39		1.2	5	10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	33		1.2	5	10	ug/L
86-30-6	N-Nitrosodiphenylamine	32		0.71	2.5	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	31		0.9	2.5	5	ug/L
101-55-3	4-Bromophenyl-phenylether	31		1.4	2.5	5	ug/L
118-74-1	Hexachlorobenzene	31		0.56	2.5	5	ug/L
1912-24-9	Atrazine	12		0.96	5	10	ug/L
87-86-5	Pentachlorophenol	25		2.5	5	10	ug/L
85-01-8	Phenanthrene	32		0.97	2.5	5	ug/L
608-93-5	Pentachlorobenzene	30		1.2	2.5	5	ug/L
120-12-7	Anthracene	32		0.72	2.5	5	ug/L
634-66-2	1,2,3,4-Tetrachlorobenzene	30		0.92	2.5	5	ug/L
86-74-8	Carbazole	34		1	5	10	ug/L
84-74-2	Di-n-butylphthalate	34		0.81	2.5	5	ug/L
206-44-0	Fluoranthene	33		0.65	5	5	ug/L

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS231	SDG No.:	BG112524
Lab Sample ID:	PB165231BS	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
BG063553.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	33		0.53	2.5	5	ug/L
85-68-7	Butylbenzylphthalate	34		0.97	2.5	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33		1.7	5	10	ug/L
56-55-3	Benzo(a)anthracene	33		0.56	2.5	5	ug/L
218-01-9	Chrysene	33		0.75	2.5	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	34		0.87	2.5	5	ug/L
117-84-0	Di-n-octyl phthalate	36		1.5	5	10	ug/L
205-99-2	Benzo(b)fluoranthene	33		1.1	2.5	5	ug/L
207-08-9	Benzo(k)fluoranthene	33		1.1	2.5	5	ug/L
50-32-8	Benzo(a)pyrene	32		1.1	2.5	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	33		1.4	2.5	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	33		1.2	2.5	5	ug/L
191-24-2	Benzo(g,h,i)perylene	33		1.1	2.5	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	27		1	2.5	5	ug/L
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.381		15-120		80	SPK: -8
7291-22-7	Pyridine-d5	27.038		20-120		68	SPK: -40
4165-62-2	Phenol-d5	34.464		10-130		86	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	32.833		25-120		82	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.382		20-130		83	SPK: -40
190780-66-6	4-Methylphenol-d8	31.972		25-125		80	SPK: -40
4165-60-0	Nitrobenzene-d5	33.081		20-125		83	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.695		20-130		82	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	32.653		20-120		82	SPK: -40
191656-33-4	4-Chloroaniline-d4	29.006		1-146		73	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.706		25-130		84	SPK: -40
93951-97-4	Acenaphthylene-d8	33.294		10-130		83	SPK: -40
93951-79-2	4-Nitrophenol-d4	34.332		10-150		86	SPK: -40
81103-79-9	Fluorene-d10	33.889		25-125		85	SPK: -40

Report of Analysis

Client:		Date Collected:	11/25/2024 12:00:00 AM
Project:		Date Received:	11/25/2024 12:00:00 AM
Client Sample ID:	SLCS231	SDG No.:	BG112524
Lab Sample ID:	PB165231BS	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
BG063553.D	1	11/25/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165231

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	33.841		10-130		85	SPK: -40
1719-06-8	Anthracene-d10	33.042		25-130		83	SPK: -40
1718-52-1	Pyrene-d10	34.156		15-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.667		20-130		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	93249	7.823				
1146-65-2	Naphthalene-d8	402531	10.62				
15067-26-2	Acenaphthene-d10	311928	14.468				
1517-22-2	Phenanthrene-d10	789786	17.224				
1719-03-5	Chrysene-d12	892484	21.478				
1520-96-3	Perylene-d12	939739	24.515				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	0.99	U			99	ug/L

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SLCS212	SDG No.:	BG112524
Lab Sample ID:	PB165212BS	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
BG063554.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	370		27	6.6	67	ug/Kg
100-52-7	Benzaldehyde	880		58	82.5	330	ug/Kg
110-86-1	Pyridine	850		77	170	330	ug/Kg
108-95-2	Phenol	1100		30	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	1000		29	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1100		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1100		31	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		40	82.5	330	ug/Kg
98-86-2	Acetophenone	1000		66	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1000		53	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1100		79	42.5	170	ug/Kg
67-72-1	Hexachloroethane	1100		61	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1000		64	42.5	170	ug/Kg
78-59-1	Isophorone	1100		66	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1100		60	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	820		32	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	1000		45	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		38	42.5	170	ug/Kg
91-20-3	Naphthalene	1000		24	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	800		36	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1000		35	42.5	170	ug/Kg
105-60-2	Caprolactam	1000		64	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		41	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	990		24	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1100		32	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	800		97	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	960		24	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		33	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SLCS212	SDG No.:	BG112524
Lab Sample ID:	PB165212BS	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
BG063554.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1100		26	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1000		33	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1200		45	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	1100		30	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		20	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1100		29	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	1100		66	82.5	330	ug/Kg
83-32-9	Acenaphthene	1000		26	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1000		130	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1000		44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1100		27	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		35	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1100		33	42.5	170	ug/Kg
86-73-7	Fluorene	1100		27	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1200		24	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		38	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1000		24	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		34	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		26	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1100		28	42.5	170	ug/Kg
1912-24-9	Atrazine	400		28	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	780		88	82.5	330	ug/Kg
85-01-8	Phenanthrene	1000		27	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1000		37	42.5	170	ug/Kg
120-12-7	Anthracene	1000		25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	1000		17	42.5	170	ug/Kg
86-74-8	Carbazole	1100		34	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1100		27	42.5	170	ug/Kg
206-44-0	Fluoranthene	1100		19	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SLCS212	SDG No.:	BG112524
Lab Sample ID:	PB165212BS	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
BG063554.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	1100		18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1100		22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1100		23	42.5	170	ug/Kg
218-01-9	Chrysene	1100		24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	1100		31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	900		36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.427		15-120		80	SPK: -8
7291-22-7	Pyridine-d5	25.555		20-120		64	SPK: -40
4165-62-2	Phenol-d5	32.423		10-130		81	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	32.882		10-150		82	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.9		15-120		85	SPK: -40
190780-66-6	4-Methylphenol-d8	32.216		10-140		81	SPK: -40
4165-60-0	Nitrobenzene-d5	32.47		10-135		81	SPK: -40
93951-78-1	2-Nitrophenol-d4	32.58		10-120		81	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.471		10-140		84	SPK: -40
191656-33-4	4-Chloroaniline-d4	28.343		1-145		71	SPK: -40
85448-30-2	Dimethylphthalate-d6	32.972		10-145		82	SPK: -40
93951-97-4	Acenaphthylene-d8	32.639		15-120		82	SPK: -40
93951-79-2	4-Nitrophenol-d4	30.952		10-150		77	SPK: -40
81103-79-9	Fluorene-d10	32.958		20-140		82	SPK: -40

Report of Analysis

Client:		Date Collected:	11/22/2024 12:00:00 AM
Project:		Date Received:	11/22/2024 12:00:00 AM
Client Sample ID:	SLCS212	SDG No.:	BG112524
Lab Sample ID:	PB165212BS	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
BG063554.D	1	11/22/2024 12:00:00 AM	11/25/2024 12:00:00 AM	PB165212

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	33.472		10-130		84	SPK: -40
1719-06-8	Anthracene-d10	31.928		10-150		80	SPK: -40
1718-52-1	Pyrene-d10	33.843		10-130		85	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.977		10-140		82	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102089	7.826				
1146-65-2	Naphthalene-d8	432053	10.616				
15067-26-2	Acenaphthene-d10	331792	14.471				
1517-22-2	Phenanthrene-d10	830769	17.22				
1719-03-5	Chrysene-d12	895437	21.48				
1520-96-3	Perylene-d12	961661	24.518				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BG112524

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : E2A11								
P4895-01	E2A11	Solid	(DEL) Alkane: Straight-Chain21.1 *	320.000	J			
P4895-01	E2A11	Solid	(DEL) Alkane: Straight-Chain22.2 *	250.000	J			
P4895-01	E2A11	Solid	(DEL) Alkane: Straight-Chain23.6 *	150.000	J			
P4895-01	E2A11	Solid	(DEL) Alkane: Straight-Chain23.7 *	170.000	J			
P4895-01	E2A11	Solid	(DEL) Alkane: Straight-Chain25.4 *	180.000	J			
P4895-01	E2A11	Solid	Benzophenone *	180.000	J			
P4895-01	E2A11	Solid	Total Alkanes *	1,100.000		33	210	ug/Kg
			Total Tics :			2,350.00		
P4895-01	E2A11	Solid	Fluoranthene	74.000	J	24	210	ug/Kg
P4895-01	E2A11	Solid	Pyrene	62.000	J	23	210	ug/Kg
			Total Svoc :			136.00		
			Total Concentration:			2,486.00		
Client ID : E2A12								
P4895-02	E2A12	Solid	(DEL) Alkane: Straight-Chain21.1 *	130.000	J			
P4895-02	E2A12	Solid	Benzophenone *	230.000	J			
P4895-02	E2A12	Solid	Total Alkanes *	130.000		31	210	ug/Kg
			Total Tics :			490.00		
P4895-02	E2A12	Solid	Benzo(a)anthracene	100.000	J	28	210	ug/Kg
P4895-02	E2A12	Solid	Benzo(a)pyrene	93.000	J	38	210	ug/Kg
P4895-02	E2A12	Solid	Benzo(b)fluoranthene	120.000	J	45	210	ug/Kg
P4895-02	E2A12	Solid	Benzo(g,h,i)perylene	60.000	J	39	210	ug/Kg
P4895-02	E2A12	Solid	Benzo(k)fluoranthene	50.000	J	46	210	ug/Kg
P4895-02	E2A12	Solid	Chrysene	100.000	J	29	210	ug/Kg
P4895-02	E2A12	Solid	Fluoranthene	270.000		23	210	ug/Kg
P4895-02	E2A12	Solid	Indeno(1,2,3-cd)pyrene	50.000	J	34	210	ug/Kg
P4895-02	E2A12	Solid	Phenanthrene	160.000	J	33	210	ug/Kg
P4895-02	E2A12	Solid	Pyrene	200.000	J	22	210	ug/Kg
			Total Svoc :			1,203.00		
			Total Concentration:			1,693.00		
Client ID : E1PJ0								
P4965-03	E1PJ0	Water	Total Alkanes *	0.000		0.99	5	ug/L
			Total Tics :			0.00		
			Total Concentration:			0.00		

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG112024 SAS No.: BG112024 SDG No.: BG112024

Instrument ID: _____ Calibration Date(s): 11/20/2024

Calibration Time(s): 10:20

LAB FILE ID:		RRF _{FAL1} = BG063479.D		RRF _{FAL2} = BG063480.D		RRF _{FAL3} = BG063481.D		
		RRF _{FAL4} = BG063482.D		RRF _{FAL5} = BG063483.D		RRF _{FAL6} = BG063484.D		
COMPOUND	RRF _{FAL1}	RRF _{FAL2}	RRF _{FAL3}	RRF _{FAL4}	RRF _{FAL5}	RRF _{FAL6}	RRF	% RSD
1,4-Dioxane	0.553	0.693	0.641	0.574	0.531		0.598	11.2
Benzaldehyde		1.157	1.188	1.056	0.726	0.580	0.941	29.0
Pyridine		1.562	1.718	1.639	1.583	1.578	1.616	4.0
Hexachloroethane	0.513	0.512	0.580	0.562	0.521		0.537	5.8
Nitrobenzene	0.386	0.430	0.480	0.455	0.452		0.441	8.0
Isophorone	0.738	0.791	0.867	0.816	0.810		0.805	5.8
2-Nitrophenol	0.158	0.164	0.191	0.183	0.184		0.176	7.8
2,4-Dimethylphenol	0.356	0.370	0.415	0.378	0.378		0.379	5.8
Bis(2-Chloroethoxy)methane	0.418	0.446	0.484	0.439	0.440		0.445	5.4
2,4-Dichlorophenol	0.303	0.316	0.363	0.339	0.334		0.331	7.0
Naphthalene	0.952	1.009	1.119	1.031	1.000		1.022	6.0
4-Chloroaniline		0.396	0.441	0.407	0.404	0.398	0.409	4.5
Hexachlorobutadiene	0.284	0.292	0.303	0.298	0.298		0.295	2.4
Phenol		1.744	1.898	1.800	1.771	1.755	1.794	3.5
Caprolactam		0.111	0.118	0.113	0.106	0.110	0.112	3.8
4-Chloro-3-methylphenol	0.301	0.316	0.367	0.346	0.354		0.337	8.1
1-Methylnaphthalene	0.746	0.758	0.818	0.754	0.734		0.762	4.3
2-Methylnaphthalene	0.671	0.709	0.789	0.738	0.722		0.726	6.0
Hexachlorocyclopentadiene		0.184	0.285	0.298	0.349	0.382	0.300	25.2
2,4,6-Trichlorophenol	0.366	0.369	0.408	0.389	0.397		0.386	4.6
2,4,5-Trichlorophenol	0.347	0.385	0.442	0.403	0.413		0.398	8.9
1,1-Biphenyl	1.243	1.297	1.464	1.331	1.301		1.327	6.2
2-Chloronaphthalene	0.998	1.028	1.145	1.025	1.018		1.043	5.6
2-Nitroaniline	0.262	0.294	0.376	0.356	0.356		0.329	14.7
Bis(2-Chloroethyl)ether		1.273	1.408	1.294	1.266	1.232	1.295	5.2
Dimethylphthalate	1.267	1.326	1.440	1.315	1.267		1.323	5.4
2,6-Dinitrotoluene	0.228	0.262	0.299	0.277	0.275		0.268	9.7
Acenaphthylene	1.460	1.514	1.735	1.563	1.510		1.556	6.8
3-Nitroaniline		0.260	0.274	0.244	0.229	0.223	0.246	8.7
Acenaphthene	1.089	1.106	1.235	1.103	1.088		1.124	5.6
2,4-Dinitrophenol		0.082	0.114	0.134	0.168	0.191	0.138	31.3
4-Nitrophenol		0.182	0.263	0.229	0.237	0.261	0.234	13.9
Dibenzofuran	1.512	1.598	1.770	1.621	1.563		1.613	6.0
2,4-Dinitrotoluene	0.354	0.403	0.460	0.423	0.412		0.411	9.3
Diethylphthalate	1.272	1.322	1.477	1.322	1.288		1.336	6.1
2-Chlorophenol	1.237	1.193	1.316	1.252	1.223		1.244	3.7

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.: BG112024 SAS No.: BG112024 SDG No.: BG112024

Instrument ID: _____ Calibration Date(s): 11/20/2024

Calibration Time(s): 10:20

LAB FILE ID:		RRFAL1 = BG063479.D			RRFAL2 = BG063480.D		RRFAL3 = BG063481.D	
		RRFAL4 = BG063482.D			RRFAL5 = BG063483.D		RRFAL6 = BG063484.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.346	1.372	1.487	1.359	1.301		1.373	5.0
4-Chlorophenyl-phenylether	0.796	0.792	0.884	0.825	0.800		0.819	4.6
4-Nitroaniline		0.259	0.308	0.255	0.223	0.214	0.252	14.8
4,6-Dinitro-2-methylphenol		0.100	0.124	0.123	0.124	0.130	0.120	9.8
N-Nitrosodiphenylamine	0.442	0.463	0.534	0.477	0.458		0.475	7.4
1,2,4,5-Tetrachlorobenzene	0.665	0.683	0.750	0.713	0.704		0.703	4.6
4-Bromophenyl-phenylether	0.202	0.210	0.249	0.232	0.226		0.224	8.2
Hexachlorobenzene	0.222	0.224	0.257	0.237	0.234		0.235	5.9
Atrazine		0.215	0.253	0.233	0.224	0.221	0.229	6.5
Pentachlorophenol		0.075	0.114	0.109	0.119	0.132	0.110	19.2
2-Methylphenol		1.255	1.388	1.380	1.332	1.317	1.335	4.0
Phenanthrene	0.920	0.942	1.058	0.960	0.887		0.953	6.8
Pentachlorobenzene	0.259	0.275	0.321	0.298	0.285		0.287	8.2
Anthracene	0.951	0.959	1.081	0.979	0.898		0.974	6.9
1,2,3,4-Tetrachlorobenzene	0.267	0.275	0.317	0.302	0.294		0.291	7.0
Carbazole		0.810	0.936	0.824	0.772	0.698	0.808	10.7
Di-n-butylphthalate	0.867	0.902	1.068	0.935	0.858		0.926	9.2
Fluoranthene	1.045	1.101	1.262	1.122	1.013		1.109	8.7
Pyrene	1.146	1.161	1.392	1.197	1.042		1.188	10.8
Butylbenzylphthalate	0.355	0.367	0.432	0.399	0.375		0.385	7.9
3,3-Dichlorobenzidine		0.453	0.497	0.441	0.400	0.358	0.430	12.3
2,2-oxybis (1-Chloropropane)		1.885	2.057	1.939	1.824	1.779	1.897	5.7
Benzo (a) anthracene	1.261	1.293	1.449	1.294	1.170		1.293	7.8
Chrysene	1.179	1.212	1.361	1.206	1.087		1.209	8.2
Bis (2-ethylhexyl) phthalate	0.524	0.544	0.628	0.570	0.536		0.560	7.4
Di-n-octyl phthalate		0.873	1.015	0.924	0.883	0.742	0.887	11.2
Benzo (b) fluoranthene	1.091	1.175	1.309	1.239	1.189		1.201	6.7
Benzo (k) fluoranthene	1.134	1.144	1.397	1.199	1.151		1.205	9.2
Benzo (a) pyrene	1.063	1.090	1.244	1.130	1.092		1.124	6.4
Indeno (1,2,3-cd) pyrene	1.267	1.358	1.547	1.418	1.380		1.394	7.3
Dibenzo (a,h) anthracene	1.044	1.111	1.273	1.152	1.118		1.140	7.4
Benzo (g,h,i) perylene	0.965	1.038	1.173	1.067	1.042		1.057	7.1
Acetophenone		2.115	2.324	2.265	2.111	2.041	2.171	5.5
2,3,4,6-Tetrachlorophenol	0.331	0.347	0.420	0.393	0.400		0.378	9.9
1,4-Dioxane-d8	0.451	0.550	0.516	0.523	0.494		0.507	7.3
Pyridine-d5		1.554	1.671	1.618	1.557	1.541	1.588	3.5

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.: BG112024 SAS No.: BG112024 SDG No.: BG112024
Instrument ID: _____ Calibration Date(s): 11/20/2024 _____
Calibration Time(s): 10:20 _____

LAB FILE ID:		RRFAL1 = BG063479.D			RRFAL2 = BG063480.D		RRFAL3 = BG063481.D	
		RRFAL4 = BG063482.D			RRFAL5 = BG063483.D		RRFAL6 = BG063484.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.493	1.779	1.705	1.621	1.627	1.645	6.5
Bis-(2-Chloroethyl)ether-d8		0.998	1.129	1.081	1.043	1.025	1.055	4.8
2-Chlorophenol-d4	1.047	1.183	1.241	1.192	1.166		1.166	6.2
4-Methylphenol-d8		1.278	1.453	1.437	1.360	1.346	1.375	5.2
Nitrobenzene-d5	0.121	0.140	0.160	0.146	0.152		0.144	10.3
2-Nitrophenol-d4	0.162	0.169	0.191	0.182	0.184		0.177	6.7
2,4-Dichlorophenol-d3	0.293	0.329	0.374	0.348	0.350		0.339	9.0
4-Chloroaniline-d4		0.394	0.470	0.426	0.430	0.422	0.428	6.3
4-Methylphenol		1.397	1.607	1.480	1.428	1.406	1.464	5.9
Dimethylphthalate-d6	1.250	1.330	1.502	1.365	1.341		1.358	6.7
Acenaphthylene-d8	1.475	1.520	1.687	1.558	1.501		1.548	5.4
4-Nitrophenol-d4		0.171	0.212	0.198	0.210	0.218	0.202	9.3
Fluorene-d10	1.202	1.192	1.330	1.234	1.211		1.234	4.5
4,6-Dinitro-2-methylphenol		0.088	0.116	0.115	0.120	0.124	0.112	12.8
Anthracene-d10	0.831	0.842	0.969	0.879	0.824		0.869	6.9
Pyrene-d10	0.940	0.988	1.135	1.015	0.935		1.003	8.1
Benzo(a)pyrene-d12	0.899	0.920	1.069	0.998	0.965		0.970	7.0
N-Nitroso-di-n-propylamine	1.067	1.218	1.313	1.263	1.206		1.213	7.6

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.: BG112524 SAS No.: BG112524 SDG NO.: BG112524

EPA Sample No.: SSTD020419 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BG063481.D Time Analyzed: 10:28

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	102084	7.833	423472	10.62	332670	14.47
UPPER LIMIT	204168	8.333	846944	11.118	665340	14.972
LOWER LIMIT	51042	7.333	211736	10.118	166335	13.972
EPA SAMPLE NO.						
01 SBLK212	86735	7.82	365560	10.62	286690	14.47
02 E2A11	97332	7.82	422401	10.61	321501	14.47
03 E2A12	94743	7.83	391681	10.62	308440	14.47
04 E2A12MS	93858	7.83	401213	10.62	310053	14.47
05 E2A12MSD	96986	7.83	398433	10.61	310170	14.47
06 E1PJ0	87097	7.82	365720	10.61	287631	14.47
07 SBLK231	92541	7.83	386668	10.61	308767	14.47
08 SLCS231	93249	7.82	402531	10.62	311928	14.47
09 SLCS212	102089	7.83	432053	10.62	331792	14.47

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.: BG112524 SAS No.: BG112524 SDG NO.: BG112524

EPA Sample No.: SSTD020551 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BG063545.D Time Analyzed: 10:28

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	92282	7.825	371665	10.62	288305	14.46
UPPER LIMIT	184564	8.325	743330	11.115	576610	14.964
LOWER LIMIT	46141	7.325	185832.5	10.115	144152.5	13.964
EPA SAMPLE NO.						
01 SBLK212	86735	7.82	365560	10.62	286690	14.47
02 E2A11	97332	7.82	422401	10.61	321501	14.47
03 E2A12	94743	7.83	391681	10.62	308440	14.47
04 E2A12MS	93858	7.83	401213	10.62	310053	14.47
05 E2A12MSD	96986	7.83	398433	10.61	310170	14.47
06 E1PJ0	87097	7.82	365720	10.61	287631	14.47
07 SBLK231	92541	7.83	386668	10.61	308767	14.47
08 SLCS231	93249	7.82	402531	10.62	311928	14.47
09 SLCS212	102089	7.83	432053	10.62	331792	14.47

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.: BG112524 SAS No.: BG112524 SDG NO.: BG112524

EPA Sample No.: SSTD020419 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BG063481.D Time Analyzed: 10:28

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	798503	17.228	871478	21.482	939052	24.525
UPPER LIMIT	1597006	17.728	1742956	21.982	1878104	25.025
LOWER LIMIT	399251.5	16.728	435739	20.982	469526	24.025
EPA SAMPLE NO.						
01 SBLK212	730054	17.22	852580	21.48	898823	24.53
02 E2A11	776871	17.22	845960	21.48	902252	24.52
03 E2A12	746404	17.22	808682	21.47	896336	24.52
04 E2A12MS	790530	17.22	837643	21.48	904854	24.52
05 E2A12MSD	788224	17.22	859278	21.48	920461	24.52
06 E1PJ0	732798	17.22	821746	21.48	879944	24.52
07 SBLK231	780337	17.22	850638	21.48	897028	24.52
08 SLCS231	789786	17.22	892484	21.48	939739	24.52
09 SLCS212	830769	17.22	895437	21.48	961661	24.52

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.: BG112524 SAS No.: BG112524 SDG NO.: BG112524

EPA Sample No.: SSTD020551 Date Analyzed: Nov 25 2024 12:00AM

Lab File ID: BG063545.D Time Analyzed: 10:28

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	731648	17.219	805681	21.479	868488	24.517
UPPER LIMIT	1463296	17.719	1611362	21.979	1736976	25.017
LOWER LIMIT	365824	16.719	402840.5	20.979	434244	24.017
EPA SAMPLE NO.						
01 SBLK212	730054	17.22	852580	21.48	898823	24.53
02 E2A11	776871	17.22	845960	21.48	902252	24.52
03 E2A12	746404	17.22	808682	21.47	896336	24.52
04 E2A12MS	790530	17.22	837643	21.48	904854	24.52
05 E2A12MSD	788224	17.22	859278	21.48	920461	24.52
06 E1PJ0	732798	17.22	821746	21.48	879944	24.52
07 SBLK231	780337	17.22	850638	21.48	897028	24.52
08 SLCS231	789786	17.22	892484	21.48	939739	24.52
09 SLCS212	830769	17.22	895437	21.48	961661	24.52

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.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB165212BS	1,4-Dioxane	530	370	ug/Kg	70				0	0		
	Benzaldehyde	1300	880	ug/Kg	68				0	0		
	Pyridine	1300	850	ug/Kg	65				0	0		
	Phenol	1300	1100	ug/Kg	85				0	0		
	Bis(2-chloroethyl)ether	1300	1000	ug/Kg	77				0	0		
	2-Chlorophenol	1300	1100	ug/Kg	85				0	0		
	2-Methylphenol	1300	1100	ug/Kg	85				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1000	ug/Kg	77				0	0		
	Acetophenone	1300	1000	ug/Kg	77				0	0		
	4-Methylphenol	1300	1000	ug/Kg	77				0	0		
	N-Nitroso-di-n-propylamine	1300	1100	ug/Kg	85				0	0		
	Hexachloroethane	1300	1100	ug/Kg	85				0	0		
	Nitrobenzene	1300	1000	ug/Kg	77				0	0		
	Isophorone	1300	1100	ug/Kg	85				0	0		
	2-Nitrophenol	1300	1100	ug/Kg	85				0	0		
	2,4-Dimethylphenol	1300	820	ug/Kg	63				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	800	ug/Kg	62				0	0		
	Hexachlorobutadiene	1300	1000	ug/Kg	77				0	0		
	Caprolactam	1300	1000	ug/Kg	77				0	0		
	4-Chloro-3-methylphenol	1300	1100	ug/Kg	85				0	0		
	1-Methylnaphthalene	1300	990	ug/Kg	76				0	0		
	2-Methylnaphthalene	1300	1100	ug/Kg	85				0	0		
	Hexachlorocyclopentadiene	1300	800	ug/Kg	62				0	0		
	2,4,6-Trichlorophenol	1300	960	ug/Kg	74				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	1000	ug/Kg	77				0	0		
	2-Nitroaniline	1300	1200	ug/Kg	92				0	0		
	Dimethylphthalate	1300	1100	ug/Kg	85				0	0		
	2,6-Dinitrotoluene	1300	1100	ug/Kg	85				0	0		
	Acenaphthylene	1300	1100	ug/Kg	85				0	0		
	3-Nitroaniline	1300	1100	ug/Kg	85				0	0		
	Acenaphthene	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrophenol	1300	1000	ug/Kg	77				0	0		
	4-Nitrophenol	1300	1000	ug/Kg	77				0	0		
	Dibenzofuran	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrotoluene	1300	1100	ug/Kg	85				0	0		
	Diethylphthalate	1300	1100	ug/Kg	85				0	0		
	Fluorene	1300	1100	ug/Kg	85				0	0		
	4-Chlorophenyl-phenylether	1300	1100	ug/Kg	85				0	0		
	4-Nitroaniline	1300	1200	ug/Kg	92				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB165212BS	4,6-Dinitro-2-methylphenol	1300	1100	ug/Kg	85				0	0	
	N-Nitrosodiphenylamine	1300	1000	ug/Kg	77				0	0	
	1,2,4,5-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0	
	4-Bromophenyl-phenylether	1300	1100	ug/Kg	85				0	0	
	Hexachlorobenzene	1300	1100	ug/Kg	85				0	0	
	Atrazine	1300	400	ug/Kg	31				0	0	
	Pentachlorophenol	1300	780	ug/Kg	60				0	0	
	Phenanthrene	1300	1000	ug/Kg	77				0	0	
	Pentachlorobenzene	1300	1000	ug/Kg	77				0	0	
	Anthracene	1300	1000	ug/Kg	77				0	0	
	1,2,3,4-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0	
	Carbazole	1300	1100	ug/Kg	85				0	0	
	Di-n-butylphthalate	1300	1100	ug/Kg	85				0	0	
	Fluoranthene	1300	1100	ug/Kg	85				0	0	
	Pyrene	1300	1100	ug/Kg	85				0	0	
	Butylbenzylphthalate	1300	1100	ug/Kg	85				0	0	
	3,3'-Dichlorobenzidine	1300	1100	ug/Kg	85				0	0	
	Benzo(a)anthracene	1300	1100	ug/Kg	85				0	0	
	Chrysene	1300	1100	ug/Kg	85				0	0	
	Bis(2-ethylhexyl)phthalate	1300	1100	ug/Kg	85				0	0	
	Di-n-octylphthalate	1300	1200	ug/Kg	92				0	0	
	Benzo(b)fluoranthene	1300	1100	ug/Kg	85				0	0	
	Benzo(k)fluoranthene	1300	1100	ug/Kg	85				0	0	
	Benzo(a)pyrene	1300	1100	ug/Kg	85				0	0	
	Indeno(1,2,3-cd)pyrene	1300	1100	ug/Kg	85				0	0	
	Dibenzo(a,h)anthracene	1300	1100	ug/Kg	85				0	0	
	Benzo(g,h,i)perylene	1300	1100	ug/Kg	85				0	0	
	2,3,4,6-Tetrachlorophenol	1300	900	ug/Kg	69				0	0	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD			Limits		
						RPD	Qual	Qual	Low	High	RPD
PB165231BS	1,4-Dioxane	16	10	ug/L	63				0	0	
	Benzaldehyde	40	24	ug/L	60				0	0	
	Pyridine	40	27	ug/L	68				0	0	
	Phenol	40	33	ug/L	83				0	0	
	Bis(2-chloroethyl)ether	40	32	ug/L	80				0	0	
	2-Chlorophenol	40	33	ug/L	83				0	0	
	2-Methylphenol	40	32	ug/L	80				0	0	
	2,2-oxybis(1-Chloropropane)	40	34	ug/L	85				0	0	
	Acetophenone	40	31	ug/L	78				0	0	
	4-Methylphenol	40	32	ug/L	80				0	0	
	N-Nitroso-di-n-propylamine	40	33	ug/L	83				0	0	
	Hexachloroethane	40	33	ug/L	83				0	0	
	Nitrobenzene	40	31	ug/L	78				0	0	
	Isophorone	40	31	ug/L	78				0	0	
	2-Nitrophenol	40	33	ug/L	83				0	0	
	2,4-Dimethylphenol	40	26	ug/L	65				0	0	
	Bis(2-chloroethoxy)methane	40	31	ug/L	78				0	0	
	2,4-Dichlorophenol	40	31	ug/L	78				0	0	
	Naphthalene	40	31	ug/L	78				0	0	
	4-Chloroaniline	40	23	ug/L	58				0	0	
	Hexachlorobutadiene	40	30	ug/L	75				0	0	
	Caprolactam	40	31	ug/L	78				0	0	
	4-Chloro-3-methylphenol	40	33	ug/L	83				0	0	
	1-Methylnaphthalene	40	30	ug/L	75				0	0	
	2-Methylnaphthalene	40	32	ug/L	80				0	0	
	Hexachlorocyclopentadiene	40	24	ug/L	60				0	0	
	2,4,6-Trichlorophenol	40	28	ug/L	70				0	0	
	2,4,5-Trichlorophenol	40	30	ug/L	75				0	0	
	1,1'-Biphenyl	40	32	ug/L	80				0	0	
	2-Chloronaphthalene	40	32	ug/L	80				0	0	
	2-Nitroaniline	40	34	ug/L	85				0	0	
	Dimethylphthalate	40	32	ug/L	80				0	0	
	2,6-Dinitrotoluene	40	33	ug/L	83				0	0	
	Acenaphthylene	40	34	ug/L	85				0	0	
	3-Nitroaniline	40	36	ug/L	90				0	0	
	Acenaphthene	40	32	ug/L	80				0	0	
	2,4-Dinitrophenol	40	32	ug/L	80				0	0	
	4-Nitrophenol	40	32	ug/L	80				0	0	
	Dibenzofuran	40	32	ug/L	80				0	0	
	2,4-Dinitrotoluene	40	33	ug/L	83				0	0	
	Diethylphthalate	40	33	ug/L	83				0	0	
	Fluorene	40	33	ug/L	83				0	0	
	4-Chlorophenyl-phenylether	40	32	ug/L	80				0	0	
	4-Nitroaniline	40	39	ug/L	98				0	0	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB165231BS	4,6-Dinitro-2-methylphenol	40	33	ug/L	83				0	0	
	N-Nitrosodiphenylamine	40	32	ug/L	80				0	0	
	1,2,4,5-Tetrachlorobenzene	40	31	ug/L	78				0	0	
	4-Bromophenyl-phenylether	40	31	ug/L	78				0	0	
	Hexachlorobenzene	40	31	ug/L	78				0	0	
	Atrazine	40	12	ug/L	30				0	0	
	Pentachlorophenol	40	25	ug/L	63				0	0	
	Phenanthrene	40	32	ug/L	80				0	0	
	Pentachlorobenzene	40	30	ug/L	75				0	0	
	Anthracene	40	32	ug/L	80				0	0	
	1,2,3,4-Tetrachlorobenzene	40	30	ug/L	75				0	0	
	Carbazole	40	34	ug/L	85				0	0	
	Di-n-butylphthalate	40	34	ug/L	85				0	0	
	Fluoranthene	40	33	ug/L	83				0	0	
	Pyrene	40	33	ug/L	83				0	0	
	Butylbenzylphthalate	40	34	ug/L	85				0	0	
	3,3'-Dichlorobenzidine	40	33	ug/L	83				0	0	
	Benzo(a)anthracene	40	33	ug/L	83				0	0	
	Chrysene	40	33	ug/L	83				0	0	
	Bis(2-ethylhexyl)phthalate	40	34	ug/L	85				0	0	
	Di-n-octylphthalate	40	36	ug/L	90				0	0	
	Benzo(b)fluoranthene	40	33	ug/L	83				0	0	
	Benzo(k)fluoranthene	40	33	ug/L	83				0	0	
	Benzo(a)pyrene	40	32	ug/L	80				0	0	
	Indeno(1,2,3-cd)pyrene	40	33	ug/L	83				0	0	
	Dibenzo(a,h)anthracene	40	33	ug/L	83				0	0	
	Benzo(g,h,i)perylene	40	33	ug/L	83				0	0	
	2,3,4,6-Tetrachlorophenol	40	27	ug/L	68				0	0	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK212

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG112524

SAS No.: BG112524 SDG NO.: BG112524

Lab File ID: BG063546.D

Lab Sample ID: PB165212BL

Instrument ID: BNA_G

Date Extracted: 11/22/2024

Matrix: (soil/water) Solid

Date Analyzed: 11/25/2024

Level: (low/med) LOW

Time Analyzed: 10:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
E2A11	P4895-01	BG063547.D	11/25/2024
E2A12	P4895-02	BG063548.D	11/25/2024
E2A12MS	P4895-04MS	BG063549.D	11/25/2024
E2A12MSD	P4895-05MSD	BG063550.D	11/25/2024
PB165212BS	PB165212BS	BG063554.D	11/25/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK231

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG112524

SAS No.: BG112524 SDG NO.: BG112524

Lab File ID: BG063552.D

Lab Sample ID: PB165231BL

Instrument ID: BNA_G

Date Extracted: 11/25/2024

Matrix: (soil/water) Water

Date Analyzed: 11/25/2024

Level: (low/med) LOW

Time Analyzed: 16:33

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165231BS	PB165231BS	BG063553.D	11/25/2024
E1PJ0	P4965-03	BG063551.D	11/25/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4895-04MS	Client Sample ID:	E2A12MS				DataFile:	BG063549.D			
1,4-Dioxane	640		400	ug/Kg	63				15	120	
Benzaldehyde	1600		620	ug/Kg	39				0	0	
Pyridine	1600		970	ug/Kg	61				0	0	
Phenol	1600		1300	ug/Kg	81				26	90	
Bis(2-chloroethyl)ether	1600		1300	ug/Kg	81				0	0	
2-Chlorophenol	1600		1300	ug/Kg	81				25	102	
2-Methylphenol	1600		1300	ug/Kg	81				0	0	
2,2-oxybis(1-Chloropropane)	1600		1300	ug/Kg	81				0	0	
Acetophenone	1600		1300	ug/Kg	81				0	0	
4-Methylphenol	1600		1400	ug/Kg	88				0	0	
N-Nitroso-di-n-propylamine	1600		1400	ug/Kg	88				41	126	
Hexachloroethane	1600		1300	ug/Kg	81				0	0	
Nitrobenzene	1600		1300	ug/Kg	81				0	0	
Isophorone	1600		1300	ug/Kg	81				0	0	
2-Nitrophenol	1600		1300	ug/Kg	81				0	0	
2,4-Dimethylphenol	1600		1300	ug/Kg	81				0	0	
Bis(2-chloroethoxy)methane	1600		1300	ug/Kg	81				0	0	
2,4-Dichlorophenol	1600		1300	ug/Kg	81				0	0	
Naphthalene	1600		1300	ug/Kg	81				0	0	
4-Chloroaniline	1600		540	ug/Kg	34				0	0	
Hexachlorobutadiene	1600		1300	ug/Kg	81				0	0	
Caprolactam	1600		1300	ug/Kg	81				0	0	
4-Chloro-3-methylphenol	1600		1400	ug/Kg	88				26	103	
1-Methylnaphthalene	1600		1300	ug/Kg	81				0	0	
2-Methylnaphthalene	1600		1400	ug/Kg	88				0	0	
Hexachlorocyclopentadiene	1600		1100	ug/Kg	69				0	0	
2,4,6-Trichlorophenol	1600		1300	ug/Kg	81				0	0	
2,4,5-Trichlorophenol	1600		1400	ug/Kg	88				0	0	
1,1'-Biphenyl	1600		1400	ug/Kg	88				0	0	
2-Chloronaphthalene	1600		1300	ug/Kg	81				0	0	
2-Nitroaniline	1600		1500	ug/Kg	94				0	0	
Dimethylphthalate	1600		1400	ug/Kg	88				0	0	
2,6-Dinitrotoluene	1600		1500	ug/Kg	94				0	0	
Acenaphthylene	1600		1400	ug/Kg	88				0	0	
3-Nitroaniline	1600		1400	ug/Kg	88				0	0	
Acenaphthene	1600		1400	ug/Kg	88				31	137	
2,4-Dinitrophenol	1600		1500	ug/Kg	94				0	0	
4-Nitrophenol	1600		1400	ug/Kg	88				11	114	
Dibenzofuran	1600		1400	ug/Kg	88				0	0	
2,4-Dinitrotoluene	1600		1500	ug/Kg	94	*			28	89	
Diethylphthalate	1600		1400	ug/Kg	88				0	0	
Fluorene	1600		1400	ug/Kg	88				0	0	
4-Chlorophenyl-phenylether	1600		1400	ug/Kg	88				0	0	
4-Nitroaniline	1600		1600	ug/Kg	100				0	0	
4,6-Dinitro-2-methylphenol	1600		1400	ug/Kg	88				0	0	
N-Nitrosodiphenylamine	1600		1400	ug/Kg	88				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1600		1400	ug/Kg	88				0	0	
4-Bromophenyl-phenylether	1600		1400	ug/Kg	88				0	0	
Hexachlorobenzene	1600		1300	ug/Kg	81				0	0	
Atrazine	1600			ug/Kg	0				0	0	
Pentachlorophenol	1600		1100	ug/Kg	69				17	109	
Phenanthrene	1600	160	1500	ug/Kg	84				0	0	
Pentachlorobenzene	1600		1300	ug/Kg	81				0	0	
Anthracene	1600		1400	ug/Kg	88				0	0	
1,2,3,4-Tetrachlorobenzene	1600		1300	ug/Kg	81				0	0	
Carbazole	1600		1400	ug/Kg	88				0	0	
Di-n-butylphthalate	1600		1400	ug/Kg	88				0	0	
Fluoranthene	1600	270	1600	ug/Kg	83				0	0	
Pyrene	1600	200	1500	ug/Kg	81				35	142	
Butylbenzylphthalate	1600		1400	ug/Kg	88				0	0	
3,3'-Dichlorobenzidine	1600		1200	ug/Kg	75				0	0	
Benzo(a)anthracene	1600	100	1500	ug/Kg	88				0	0	
Chrysene	1600	100	1500	ug/Kg	88				0	0	
Bis(2-ethylhexyl)phthalate	1600		1500	ug/Kg	94				0	0	
Di-n-octylphthalate	1600		1500	ug/Kg	94				0	0	
Benzo(b)fluoranthene	1600	120	1500	ug/Kg	86				0	0	
Benzo(k)fluoranthene	1600	50	1400	ug/Kg	84				0	0	
Benzo(a)pyrene	1600	93	1400	ug/Kg	82				0	0	
Indeno(1,2,3-cd)pyrene	1600	50	1400	ug/Kg	84				0	0	
Dibenzo(a,h)anthracene	1600		1400	ug/Kg	88				0	0	
Benzo(g,h,i)perylene	1600	60	1400	ug/Kg	84				0	0	
2,3,4,6-Tetrachlorophenol	1600		1300	ug/Kg	81				0	0	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P4895-05MSD	Client Sample ID:	E2A12MSD					DataFile:	BG063550.D		
1,4-Dioxane	640		360	ug/Kg	56		12		15	120	50
Benzaldehyde	1600		590	ug/Kg	37		5	*	0	0	0
Pyridine	1600		900	ug/Kg	56		9	*	0	0	0
Phenol	1600		1200	ug/Kg	75		8		26	90	35
Bis(2-chloroethyl)ether	1600		1200	ug/Kg	75		8	*	0	0	0
2-Chlorophenol	1600		1200	ug/Kg	75		8		25	102	50
2-Methylphenol	1600		1200	ug/Kg	75		8	*	0	0	0
2,2-oxybis(1-Chloropropane)	1600		1200	ug/Kg	75		8	*	0	0	0
Acetophenone	1600		1200	ug/Kg	75		8	*	0	0	0
4-Methylphenol	1600		1200	ug/Kg	75		16	*	0	0	0
N-Nitroso-di-n-propylamine	1600		1200	ug/Kg	75		16		41	126	38
Hexachloroethane	1600		1200	ug/Kg	75		8	*	0	0	0
Nitrobenzene	1600		1200	ug/Kg	75		8	*	0	0	0
Isophorone	1600		1200	ug/Kg	75		8	*	0	0	0
2-Nitrophenol	1600		1300	ug/Kg	81		0		0	0	0
2,4-Dimethylphenol	1600		1200	ug/Kg	75		8	*	0	0	0
Bis(2-chloroethoxy)methane	1600		1200	ug/Kg	75		8	*	0	0	0
2,4-Dichlorophenol	1600		1200	ug/Kg	75		8	*	0	0	0
Naphthalene	1600		1200	ug/Kg	75		8	*	0	0	0
4-Chloroaniline	1600		500	ug/Kg	31		9	*	0	0	0
Hexachlorobutadiene	1600		1200	ug/Kg	75		8	*	0	0	0
Caprolactam	1600		1200	ug/Kg	75		8	*	0	0	0
4-Chloro-3-methylphenol	1600		1400	ug/Kg	88		0		26	103	33
1-Methylnaphthalene	1600		1200	ug/Kg	75		8	*	0	0	0
2-Methylnaphthalene	1600		1300	ug/Kg	81		8	*	0	0	0
Hexachlorocyclopentadiene	1600		1000	ug/Kg	63		9	*	0	0	0
2,4,6-Trichlorophenol	1600		1200	ug/Kg	75		8	*	0	0	0
2,4,5-Trichlorophenol	1600		1300	ug/Kg	81		8	*	0	0	0
1,1'-Biphenyl	1600		1300	ug/Kg	81		8	*	0	0	0
2-Chloronaphthalene	1600		1300	ug/Kg	81		0		0	0	0
2-Nitroaniline	1600		1400	ug/Kg	88		7	*	0	0	0
Dimethylphthalate	1600		1300	ug/Kg	81		8	*	0	0	0
2,6-Dinitrotoluene	1600		1400	ug/Kg	88		7	*	0	0	0
Acenaphthylene	1600		1300	ug/Kg	81		8	*	0	0	0
3-Nitroaniline	1600		1300	ug/Kg	81		8	*	0	0	0
Acenaphthene	1600		1300	ug/Kg	81		8		31	137	19
2,4-Dinitrophenol	1600		1400	ug/Kg	88		7	*	0	0	0
4-Nitrophenol	1600		1300	ug/Kg	81		8		11	114	50
Dibenzofuran	1600		1300	ug/Kg	81		8	*	0	0	0
2,4-Dinitrotoluene	1600		1400	ug/Kg	88		7		28	89	47
Diethylphthalate	1600		1300	ug/Kg	81		8	*	0	0	0
Fluorene	1600		1300	ug/Kg	81		8	*	0	0	0
4-Chlorophenyl-phenylether	1600		1300	ug/Kg	81		8	*	0	0	0
4-Nitroaniline	1600		1600	ug/Kg	100		0		0	0	0
4,6-Dinitro-2-methylphenol	1600		1300	ug/Kg	81		8	*	0	0	0
N-Nitrosodiphenylamine	1600		1300	ug/Kg	81		8	*	0	0	0

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
1,2,4,5-Tetrachlorobenzene	1600		1300	ug/Kg	81	8	*		0	0	0
4-Bromophenyl-phenylether	1600		1300	ug/Kg	81	8	*		0	0	0
Hexachlorobenzene	1600		1300	ug/Kg	81	0			0	0	0
Atrazine	1600		36	ug/Kg	2	200	*		0	0	0
Pentachlorophenol	1600		1100	ug/Kg	69	0			17	109	47
Phenanthrene	1600	160	1400	ug/Kg	78	7	*		0	0	0
Pentachlorobenzene	1600		1200	ug/Kg	75	8	*		0	0	0
Anthracene	1600		1300	ug/Kg	81	8	*		0	0	0
1,2,3,4-Tetrachlorobenzene	1600		1200	ug/Kg	75	8	*		0	0	0
Carbazole	1600		1400	ug/Kg	88	0			0	0	0
Di-n-butylphthalate	1600		1400	ug/Kg	88	0			0	0	0
Fluoranthene	1600	270	1500	ug/Kg	77	8	*		0	0	0
Pyrene	1600	200	1400	ug/Kg	75	8			35	142	36
Butylbenzylphthalate	1600		1400	ug/Kg	88	0			0	0	0
3,3'-Dichlorobenzidine	1600		1100	ug/Kg	69	8	*		0	0	0
Benzo(a)anthracene	1600	100	1400	ug/Kg	81	8	*		0	0	0
Chrysene	1600	100	1400	ug/Kg	81	8	*		0	0	0
Bis(2-ethylhexyl)phthalate	1600		1400	ug/Kg	88	7	*		0	0	0
Di-n-octylphthalate	1600		1400	ug/Kg	88	7	*		0	0	0
Benzo(b)fluoranthene	1600	120	1400	ug/Kg	80	7	*		0	0	0
Benzo(k)fluoranthene	1600	50	1400	ug/Kg	84	0			0	0	0
Benzo(a)pyrene	1600	93	1400	ug/Kg	82	0			0	0	0
Indeno(1,2,3-cd)pyrene	1600	50	1300	ug/Kg	78	7	*		0	0	0
Dibenzo(a,h)anthracene	1600		1300	ug/Kg	81	8	*		0	0	0
Benzo(g,h,i)perylene	1600	60	1300	ug/Kg	78	7	*		0	0	0
2,3,4,6-Tetrachlorophenol	1600		1200	ug/Kg	75	8	*		0	0	0

Surrogate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4895-01	E2A11	BG063547.D	1,4-Dioxane-d8	8	1.60	20		15	120
			Pyridine-d5	40	8.76	22		20	120
			Phenol-d5	40	12.55	31		10	130
			Bis(2-Chloroethyl)ether-d8	40	12.15	30		10	150
			2-Chlorophenol-d4	40	12.44	31		15	120
			4-Methylphenol-d8	40	13.27	33		10	140
			Nitrobenzene-d5	40	11.45	29		10	135
			2-Nitrophenol-d4	40	12.23	31		10	120
			2,4-Dichlorophenol-d3	40	13.39	33		10	140
			4-Chloroaniline-d4	40	12.42	31		1	145
			Dimethylphthalate-d6	40	17.64	44		10	145
			Acenaphthylene-d8	40	15.34	38		15	120
			4-Nitrophenol-d4	40	12.11	30		10	150
			Fluorene-d10	40	17.21	43		20	140
			4,6-Dinitro-2-methylphenol-d2	40	10.91	27		10	130
			Anthracene-d10	40	18.86	47		10	150
			Pyrene-d10	40	19.41	49		10	130
			Benzo(a)pyrene-d12	40	19.21	48		10	140
P4895-02	E2A12	BG063548.D	1,4-Dioxane-d8	8	2.56	32		15	120
			Pyridine-d5	40	10.37	26		20	120
			Phenol-d5	40	17.42	44		10	130
			Bis(2-Chloroethyl)ether-d8	40	17.40	44		10	150
			2-Chlorophenol-d4	40	17.64	44		15	120
			4-Methylphenol-d8	40	19.48	49		10	140
			Nitrobenzene-d5	40	18.10	45		10	135
			2-Nitrophenol-d4	40	17.37	43		10	120
			2,4-Dichlorophenol-d3	40	17.97	45		10	140
			4-Chloroaniline-d4	40	18.82	47		1	145
			Dimethylphthalate-d6	40	24.30	61		10	145
			Acenaphthylene-d8	40	22.57	56		15	120
			4-Nitrophenol-d4	40	15.64	39		10	150
			Fluorene-d10	40	24.90	62		20	140
			4,6-Dinitro-2-methylphenol-d2	40	13.85	35		10	130
			Anthracene-d10	40	26.63	67		10	150
			Pyrene-d10	40	27.91	70		10	130
			Benzo(a)pyrene-d12	40	27.36	68		10	140
P4895-04MS	E2A12MS	BG063549.D	1,4-Dioxane-d8	8	2.14	27		15	120
			Pyridine-d5	40	9.99	25		20	120
			Phenol-d5	40	16.40	41		10	130
			Bis(2-Chloroethyl)ether-d8	40	16.97	42		10	150
			2-Chlorophenol-d4	40	17.73	44		15	120
			4-Methylphenol-d8	40	18.25	46		10	140
			Nitrobenzene-d5	40	16.45	41		10	135
			2-Nitrophenol-d4	40	15.60	39		10	120
			2,4-Dichlorophenol-d3	40	18.52	46		10	140
			4-Chloroaniline-d4	40	14.27	36		1	145
			Dimethylphthalate-d6	40	20.46	51		10	145
			Acenaphthylene-d8	40	19.81	50		15	120
			4-Nitrophenol-d4	40	16.05	40		10	150

Surrogate Summary

SW-846

SDG No.: **BG112524**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4895-04MS	E2A12MS	BG063549.D	Fluorene-d10	40	20.86	52		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.28	36		10	130
			Anthracene-d10	40	20.70	52		10	150
			Pyrene-d10	40	22.14	55		10	130
			Benzo(a)pyrene-d12	40	21.73	54		10	140
P4895-05MSD	E2A12MSD	BG063550.D	1,4-Dioxane-d8	8	2.26	28		15	120
			Pyridine-d5	40	9.08	23		20	120
			Phenol-d5	40	16.11	40		10	130
			Bis(2-Chloroethyl)ether-d8	40	15.56	39		10	150
			2-Chlorophenol-d4	40	15.65	39		15	120
			4-Methylphenol-d8	40	16.43	41		10	140
			Nitrobenzene-d5	40	16.64	42		10	135
			2-Nitrophenol-d4	40	14.88	37		10	120
			2,4-Dichlorophenol-d3	40	18.16	45		10	140
			4-Chloroaniline-d4	40	13.15	33		1	145
			Dimethylphthalate-d6	40	19.41	49		10	145
			Acenaphthylene-d8	40	18.21	46		15	120
			4-Nitrophenol-d4	40	14.88	37		10	150
			Fluorene-d10	40	19.72	49		20	140
			4,6-Dinitro-2-methylphenol-d2	40	14.08	35		10	130
			Anthracene-d10	40	20.16	50		10	150
			Pyrene-d10	40	20.85	52		10	130
			Benzo(a)pyrene-d12	40	20.65	52		10	140
			Pyridine-d5	40	28.66	72		20	120
			1,4-Dioxane-d8	8	5.95	74		15	120
PB165212BL	PB165212BL	BG063546.D	Phenol-d5	40	34.26	86		10	130
			Bis(2-Chloroethyl)ether-d8	40	34.39	86		10	150
			2-Chlorophenol-d4	40	33.99	85		15	120
			4-Methylphenol-d8	40	33.34	83		10	140
			Nitrobenzene-d5	40	34.29	86		10	135
			2-Nitrophenol-d4	40	33.16	83		10	120
			2,4-Dichlorophenol-d3	40	32.30	81		10	140
			4-Chloroaniline-d4	40	31.33	78		1	145
			Dimethylphthalate-d6	40	35.41	89		10	145
			Acenaphthylene-d8	40	33.81	85		15	120
			4-Nitrophenol-d4	40	29.12	73		10	150
			Fluorene-d10	40	35.26	88		20	140
			4,6-Dinitro-2-methylphenol-d2	40	27.87	70		10	130
			Anthracene-d10	40	35.84	90		10	150
			Pyrene-d10	40	35.88	90		10	130
			Benzo(a)pyrene-d12	40	36.07	90		10	140
PB165212BS	PB165212BS	BG063554.D	1,4-Dioxane-d8	8	6.43	80		15	120
			Pyridine-d5	40	25.56	64		20	120
			Phenol-d5	40	32.42	81		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.88	82		10	150
			2-Chlorophenol-d4	40	33.90	85		15	120
			4-Methylphenol-d8	40	32.22	81		10	140
			Nitrobenzene-d5	40	32.47	81		10	135
			2-Nitrophenol-d4	40	32.58	81		10	120

Surrogate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165212BS	PB165212BS	BG063554.D	2,4-Dichlorophenol-d3	40	33.47	84		10	140
			4-Chloroaniline-d4	40	28.34	71		1	145
			Dimethylphthalate-d6	40	32.97	82		10	145
			Acenaphthylene-d8	40	32.64	82		15	120
			4-Nitrophenol-d4	40	30.95	77		10	150
			Fluorene-d10	40	32.96	82		20	140
			4,6-Dinitro-2-methylphenol-d2	40	33.47	84		10	130
			Anthracene-d10	40	31.93	80		10	150
			Pyrene-d10	40	33.84	85		10	130
			Benzo(a)pyrene-d12	40	32.98	82		10	140

Surrogate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P4965-03	E1PJ0	BG063551.D	1,4-Dioxane-d8	8	5.05	63		15	120
			Pyridine-d5	40	8.57	21		20	120
			Phenol-d5	40	9.35	23		10	130
			Bis(2-Chloroethyl)ether-d8	40	35.72	89		25	120
			2-Chlorophenol-d4	40	31.68	79		20	130
			4-Methylphenol-d8	40	21.05	53		25	125
			Nitrobenzene-d5	40	35.34	88		20	125
			2-Nitrophenol-d4	40	34.70	87		20	130
			2,4-Dichlorophenol-d3	40	33.22	83		20	120
			4-Chloroaniline-d4	40	28.14	70		1	146
			Dimethylphthalate-d6	40	39.48	99		25	130
			Acenaphthylene-d8	40	38.56	96		10	130
			4-Nitrophenol-d4	40	9.31	23		10	150
			Fluorene-d10	40	40.91	102		25	125
			4,6-Dinitro-2-methylphenol-d2	40	36.86	92		10	130
			Anthracene-d10	40	43.01	108		25	130
			Pyrene-d10	40	43.81	110		15	130
			Benzo(a)pyrene-d12	40	42.90	107		20	130
PB165231BL	PB165231BL	BG063552.D	1,4-Dioxane-d8	8	6.25	78		15	120
			Pyridine-d5	40	26.12	65		20	120
			Phenol-d5	40	31.35	78		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.51	79		25	120
			2-Chlorophenol-d4	40	31.08	78		20	130
			4-Methylphenol-d8	40	30.95	77		25	125
			Nitrobenzene-d5	40	32.56	81		20	125
			2-Nitrophenol-d4	40	30.66	77		20	130
			2,4-Dichlorophenol-d3	40	29.61	74		20	120
			4-Chloroaniline-d4	40	30.44	76		1	146
			Dimethylphthalate-d6	40	33.40	84		25	130
			Acenaphthylene-d8	40	32.18	80		10	130
			4-Nitrophenol-d4	40	28.40	71		10	150
			Fluorene-d10	40	33.92	85		25	125
			4,6-Dinitro-2-methylphenol-d2	40	28.25	71		10	130
			Anthracene-d10	40	33.75	84		25	130
			Pyrene-d10	40	34.88	87		15	130
			Benzo(a)pyrene-d12	40	34.16	85		20	130
PB165231BS	PB165231BS	BG063553.D	1,4-Dioxane-d8	8	6.38	80		15	120
			Pyridine-d5	40	27.04	68		20	120
			Phenol-d5	40	34.46	86		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.83	82		25	120
			2-Chlorophenol-d4	40	33.38	83		20	130
			4-Methylphenol-d8	40	31.97	80		25	125
			Nitrobenzene-d5	40	33.08	83		20	125
			2-Nitrophenol-d4	40	32.70	82		20	130
			2,4-Dichlorophenol-d3	40	32.65	82		20	120
			4-Chloroaniline-d4	40	29.01	73		1	146
			Dimethylphthalate-d6	40	33.71	84		25	130
			Acenaphthylene-d8	40	33.29	83		10	130
			4-Nitrophenol-d4	40	34.33	86		10	150

Surrogate Summary

SW-846

SDG No.: BG112524

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB165231BS	PB165231BS	BG063553.D	Fluorene-d10	40	33.89	85		25	125
			4,6-Dinitro-2-methylphenol-d2	40	33.84	85		10	130
			Anthracene-d10	40	33.04	83		25	130
			Pyrene-d10	40	34.16	85		15	130
			Benzo(a)pyrene-d12	40	33.67	84		20	130

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG112524

Lab Code: CHEM

SAS No.: BG112524 SDG NO.: BG112524

Lab File ID: BG063544.D

DFTPP Injection Date: 11/25/2024

Instrument ID: BNA_G

DFTPP Injection Time: 08:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.6
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	38.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	69.6
443	15.0 - 24.0% of mass 442	13.9 (20) 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
SSTD020551	SSTDCCC020	BG063545.D	11/25/2024	09:10
SBLK212	PB165212BL	BG063546.D	11/25/2024	10:28
E2A11	P4895-01	BG063547.D	11/25/2024	12:30
E2A12	P4895-02	BG063548.D	11/25/2024	13:46
E2A12MS	P4895-04MS	BG063549.D	11/25/2024	14:24
E2A12MSD	P4895-05MSD	BG063550.D	11/25/2024	15:02
E1PJ0	P4965-03	BG063551.D	11/25/2024	15:52
SBLK231	PB165231BL	BG063552.D	11/25/2024	16:33
SLCS231	PB165231BS	BG063553.D	11/25/2024	17:11
SLCS212	PB165212BS	BG063554.D	11/25/2024	17:49
SSTD020552	SSTDCCC020EC	BG063555.D	11/25/2024	18:27