

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:10:25

Lab File ID: BM046032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020122 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.571	0.431	0.010	-24.5744	40.0
Benzaldehyde	0.799	0.808	0.010	1.0664	40.0
Pyridine	1.364	1.134	0.010	-16.8396	40.0
Phenol	1.762	1.544	0.080	-12.3891	20.0
Bis(2-Chloroethyl) ether	1.471	1.194	0.100	-18.8301	20.0
2-Chlorophenol	1.337	1.172	0.200	-12.3703	20.0
2-Methylphenol	1.290	1.124	0.010	-12.8583	20.0
2,2-oxybis(1-Chloropropane)	2.897	2.747	0.010	-5.1887	40.0
Acetophenone	2.139	1.853	0.060	-13.374	20.0
4-Methylphenol	1.335	1.211	0.010	-9.2837	20.0
N-Nitroso-di-n-propylamine	1.182	1.063	0.050	-10.0611	30.0
Hexachloroethane	0.642	0.538	0.100	-16.1627	20.0
Nitrobenzene	0.438	0.401	0.050	-8.4485	25.0
Isophorone	0.773	0.710	0.050	-8.1647	25.0
2-Nitrophenol	0.173	0.161	0.050	-6.9794	25.0
2,4-Dimethylphenol	0.351	0.313	0.050	-10.7941	25.0
Bis(2-Chloroethoxy) methane	0.469	0.390	0.050	-17.0204	20.0
2,4-Dichlorophenol	0.296	0.269	0.060	-8.9336	20.0
Naphthalene	1.066	0.928	0.200	-13.0322	20.0
4-Chloroaniline	0.401	0.351	0.010	-12.6849	40.0
Hexachlorobutadiene	0.203	0.179	0.040	-11.6037	30.0
Caprolactam	0.083	0.082	0.010	-1.949	40.0
4-Chloro-3-methylphenol	0.321	0.294	0.040	-8.2078	25.0
1-Methylnaphthalene	0.706	0.604	0.100	-14.5377	20.0
2-Methylnaphthalene	0.706	0.609	0.100	-13.7486	20.0
Hexachlorocyclopentadiene	0.364	0.263	0.010	-27.5393	40.0
2,4,6-Trichlorophenol	0.348	0.337	0.090	-3.2389	25.0
2,4,5-Trichlorophenol	0.378	0.362	0.100	-4.3213	25.0
1,1-Biphenyl	1.484	1.263	0.200	-14.885	20.0
2-Chloronaphthalene	1.163	1.020	0.300	-12.2696	20.0
2-Nitroaniline	0.397	0.412	0.050	3.7534	40.0
Dimethylphthalate	1.406	1.246	0.300	-11.3749	20.0
2,6-Dinitrotoluene	0.270	0.256	0.080	-5.3205	30.0
Acenaphthylene	1.861	1.686	0.400	-9.3967	20.0
3-Nitroaniline	0.248	0.251	0.010	1.1571	40.0
Acenaphthene	1.242	1.117	0.200	-10.0225	20.0
2,4-Dinitrophenol	0.123	0.139	0.010	12.7498	40.0
4-Nitrophenol	0.247	0.260	0.010	5.4371	40.0
Dibenzofuran	1.675	1.504	0.300	-10.1624	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:10:25

Lab File ID: BM046032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020122 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.374	0.377	0.070	0.7997	30.0
Diethylphthalate	1.408	1.305	0.300	-7.3176	20.0
Fluorene	1.349	1.248	0.200	-7.5171	20.0
4-Chlorophenyl-phenylether	0.670	0.606	0.100	-9.5288	20.0
4-Nitroaniline	0.206	0.236	0.010	14.326	40.0
4,6-Dinitro-2-methylphenol	0.112	0.098	0.010	-12.2852	40.0
N-Nitrosodiphenylamine	0.567	0.498	0.050	-12.1824	20.0
1,2,4,5-Tetrachlorobenzene	0.599	0.529	0.100	-11.7181	20.0
4-Bromophenyl-phenylether	0.209	0.180	0.070	-13.6417	20.0
Hexachlorobenzene	0.231	0.203	0.050	-11.7676	25.0
Atrazine	0.172	0.145	0.010	-15.4622	25.0
Pentachlorophenol	0.117	0.150	0.010	28.3193	40.0
Phenanthrene	1.054	0.931	0.200	-11.655	20.0
Pentachlorobenzene	0.290	0.251	0.050	-13.5696	20.0
Anthracene	1.053	0.952	0.200	-9.5599	20.0
1,2,3,4-Tetrachlorobenzene	0.310	0.263	0.050	-15.3102	20.0
Carbazole	0.898	0.857	0.050	-4.5505	40.0
Di-n-butylphthalate	1.181	1.096	0.500	-7.2252	25.0
Fluoranthene	1.508	1.157	0.400	-23.238	25.0
Pyrene	1.549	1.205	0.400	-22.228	25.0
Butylbenzylphthalate	0.631	0.542	0.100	-14.2318	40.0
3,3-Dichlorobenzidine	0.395	0.347	0.010	-12.0781	40.0
Benzo(a)anthracene	1.381	1.192	0.300	-13.7	30.0
Chrysene	1.278	1.089	0.200	-14.7797	30.0
Bis(2-ethylhexyl)phthalate	0.938	0.793	0.200	-15.4321	40.0
Di-n-octyl phthalate	1.530	1.181	0.010	-22.8027	40.0
Benzo(b)fluoranthene	1.229	1.037	0.200	-15.6247	25.0
Benzo(k)fluoranthene	1.201	1.048	0.200	-12.6706	25.0
Benzo(a)pyrene	1.080	0.988	0.200	-8.5073	20.0
Indeno(1,2,3-cd)pyrene	1.179	1.214	0.200	2.9543	25.0
Dibenzo(a,h)anthracene	0.933	0.998	0.200	6.9696	30.0
Benzo(g,h,i)perylene	1.039	0.983	0.200	-5.3513	30.0
2,3,4,6-Tetrachlorophenol	0.286	0.311	0.040	8.8751	20.0
1,4-Dioxane-d8	0.516	0.364	0.010	-29.5008	25.0
Pyridine-d5	1.328	1.075	0.010	-19.0927	40.0
Phenol-d5	1.699	1.468	0.010	-13.6075	25.0
Bis-(2-Chloroethyl)ether-d8	1.220	1.019	0.050	-16.4682	25.0
2-Chlorophenol-d4	1.269	1.118	0.200	-11.9293	20.0
4-Methylphenol-d8	1.284	1.125	0.010	-12.3669	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:10:25

Lab File ID: BM046032.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020122 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.156	0.140	0.050	-10.7144	20.0
2-Nitrophenol-d4	0.158	0.152	0.050	-4.1858	30.0
2,4-Dichlorophenol-d3	0.297	0.274	0.060	-7.574	20.0
4-Chloroaniline-d4	0.411	0.357	0.010	-13.0729	40.0
Dimethylphthalate-d6	1.385	1.236	0.300	-10.7425	20.0
Acenaphthylene-d8	1.608	1.458	0.400	-9.313	20.0
4-Nitrophenol-d4	0.299	0.290	0.010	-2.7986	40.0
Fluorene-d10	1.181	1.058	0.100	-10.4043	20.0
4,6-Dinitro-2-methylphenol-d2	0.102	0.088	0.010	-13.4787	40.0
Anthracene-d10	0.869	0.780	0.300	-10.246	20.0
Pyrene-d10	1.244	0.952	0.300	-23.4522	25.0
Benzo(a)pyrene-d12	0.935	0.852	0.010	-8.9035	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.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:16:21

Lab File ID: BM046041.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020123 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.571	0.421	0.010	-26.217	50.0
Benzaldehyde	0.799	0.815	0.010	2.0365	50.0
Pyridine	1.364	1.161	0.010	-14.8621	50.0
Phenol	1.762	1.524	0.080	-13.5347	50.0
Bis(2-Chloroethyl)ether	1.471	1.225	0.100	-16.7422	50.0
2-Chlorophenol	1.337	1.189	0.200	-11.0832	50.0
2-Methylphenol	1.290	1.117	0.010	-13.427	50.0
2,2-oxybis(1-Chloropropane)	2.897	2.783	0.010	-3.9254	50.0
Acetophenone	2.139	1.873	0.060	-12.4332	50.0
4-Methylphenol	1.335	1.190	0.010	-10.8553	50.0
N-Nitroso-di-n-propylamine	1.182	1.080	0.050	-8.6706	50.0
Hexachloroethane	0.642	0.533	0.100	-16.9614	50.0
Nitrobenzene	0.438	0.403	0.050	-7.9043	50.0
Isophorone	0.773	0.718	0.050	-7.1315	50.0
2-Nitrophenol	0.173	0.159	0.050	-8.0591	50.0
2,4-Dimethylphenol	0.351	0.311	0.050	-11.2485	50.0
Bis(2-Chloroethoxy)methane	0.469	0.391	0.050	-16.6486	50.0
2,4-Dichlorophenol	0.296	0.273	0.060	-7.7447	50.0
Naphthalene	1.066	0.937	0.200	-12.1797	50.0
4-Chloroaniline	0.401	0.349	0.010	-13.0556	50.0
Hexachlorobutadiene	0.203	0.184	0.040	-9.0675	50.0
Caprolactam	0.083	0.081	0.010	-2.655	50.0
4-Chloro-3-methylphenol	0.321	0.294	0.040	-8.4948	50.0
1-Methylnaphthalene	0.706	0.619	0.100	-12.3421	50.0
2-Methylnaphthalene	0.706	0.610	0.100	-13.6425	50.0
Hexachlorocyclopentadiene	0.364	0.239	0.010	-34.3929	50.0
2,4,6-Trichlorophenol	0.348	0.334	0.090	-4.1585	50.0
2,4,5-Trichlorophenol	0.378	0.363	0.100	-3.8818	50.0
1,1-Biphenyl	1.484	1.267	0.200	-14.6373	50.0
2-Chloronaphthalene	1.163	1.004	0.300	-13.6263	50.0
2-Nitroaniline	0.397	0.407	0.050	2.4121	50.0
Dimethylphthalate	1.406	1.236	0.300	-12.0873	50.0
2,6-Dinitrotoluene	0.270	0.251	0.080	-7.0227	50.0
Acenaphthylene	1.861	1.663	0.400	-10.6499	50.0
3-Nitroaniline	0.248	0.252	0.010	1.4315	50.0
Acenaphthene	1.242	1.103	0.200	-11.1644	50.0
2,4-Dinitrophenol	0.123	0.131	0.010	6.6727	50.0
4-Nitrophenol	0.247	0.260	0.010	5.5894	50.0
Dibenzofuran	1.675	1.484	0.300	-11.3554	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:16:21

Lab File ID: BM046041.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020123 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.374	0.374	0.070	0.0625	50.0
Diethylphthalate	1.408	1.282	0.300	-8.9214	50.0
Fluorene	1.349	1.237	0.200	-8.3106	50.0
4-Chlorophenyl-phenylether	0.670	0.593	0.100	-11.4523	50.0
4-Nitroaniline	0.206	0.240	0.010	16.4651	50.0
4,6-Dinitro-2-methylphenol	0.112	0.096	0.010	-14.2264	50.0
N-Nitrosodiphenylamine	0.567	0.503	0.050	-11.2636	50.0
1,2,4,5-Tetrachlorobenzene	0.599	0.525	0.100	-12.3246	50.0
4-Bromophenyl-phenylether	0.209	0.182	0.070	-12.8487	50.0
Hexachlorobenzene	0.231	0.206	0.050	-10.8435	50.0
Atrazine	0.172	0.145	0.010	-15.4172	50.0
Pentachlorophenol	0.117	0.153	0.010	30.507	50.0
Phenanthrene	1.054	0.948	0.200	-10.0612	50.0
Pentachlorobenzene	0.290	0.250	0.050	-13.7007	50.0
Anthracene	1.053	0.965	0.200	-8.3702	50.0
1,2,3,4-Tetrachlorobenzene	0.310	0.265	0.050	-14.6818	50.0
Carbazole	0.898	0.865	0.050	-3.7197	50.0
Di-n-butylphthalate	1.181	1.104	0.500	-6.5201	50.0
Fluoranthene	1.508	1.163	0.400	-22.8614	50.0
Pyrene	1.549	1.218	0.400	-21.3519	50.0
Butylbenzylphthalate	0.631	0.538	0.100	-14.7715	50.0
3,3-Dichlorobenzidine	0.395	0.334	0.010	-15.4689	50.0
Benzo (a) anthracene	1.381	1.203	0.300	-12.911	50.0
Chrysene	1.278	1.114	0.200	-12.813	50.0
Bis(2-ethylhexyl)phthalate	0.938	0.804	0.200	-14.3191	50.0
Di-n-octyl phthalate	1.530	1.163	0.010	-23.9666	50.0
Benzo (b) fluoranthene	1.229	1.031	0.200	-16.149	50.0
Benzo (k) fluoranthene	1.201	1.018	0.200	-15.1796	50.0
Benzo (a) pyrene	1.080	0.984	0.200	-8.9296	50.0
Indeno (1,2,3-cd) pyrene	1.179	1.215	0.200	3.0544	50.0
Dibenzo (a,h) anthracene	0.933	1.001	0.200	7.3129	50.0
Benzo (g,h,i) perylene	1.039	0.984	0.200	-5.3076	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.310	0.040	8.3195	50.0
1,4-Dioxane-d8	0.516	0.392	0.010	-23.9768	50.0
Pyridine-d5	1.328	1.068	0.010	-19.5915	50.0
Phenol-d5	1.699	1.488	0.010	-12.4148	50.0
Bis- (2-Chloroethyl) ether-d8	1.220	1.027	0.050	-15.8392	50.0
2-Chlorophenol-d4	1.269	1.128	0.200	-11.1515	50.0
4-Methylphenol-d8	1.284	1.142	0.010	-11.072	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG No.: BM061424

Instrument ID: BNA_M Calibration Date/Time: 6/14/2024 1:16:21

Lab File ID: BM046041.D Init. Calib. Date(s): _____

EPA Sample No.: SSTD020123 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.156	0.136	0.050	-13.0542	50.0
2-Nitrophenol-d4	0.158	0.148	0.050	-6.2173	50.0
2,4-Dichlorophenol-d3	0.297	0.280	0.060	-5.804	50.0
4-Chloroaniline-d4	0.411	0.363	0.010	-11.6104	50.0
Dimethylphthalate-d6	1.385	1.225	0.300	-11.5431	50.0
Acenaphthylene-d8	1.608	1.443	0.400	-10.2257	50.0
4-Nitrophenol-d4	0.299	0.285	0.010	-4.4931	50.0
Fluorene-d10	1.181	1.048	0.100	-11.2732	50.0
4,6-Dinitro-2-methylphenol-d2	0.102	0.088	0.010	-13.8985	50.0
Anthracene-d10	0.869	0.789	0.300	-9.2674	50.0
Pyrene-d10	1.244	0.953	0.300	-23.3688	50.0
Benzo(a)pyrene-d12	0.935	0.831	0.010	-11.0841	50.0

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SBLK357	SDG No.:	BM061424
Lab Sample ID:	PB161357BL	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
BM046033.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

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

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SBLK357	SDG No.:	BM061424
Lab Sample ID:	PB161357BL	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
BM046033.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

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

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SBLK357	SDG No.:	BM061424
Lab Sample ID:	PB161357BL	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
BM046033.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	44	U	44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	32	U	32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	23	U	23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	39	U	39	42.5	170	ug/Kg
218-01-9	Chrysene	45	U	45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	44	U	44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	34	U	34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	42	U	42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	45	U	45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	42	U	42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37	U	37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	37	U	37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	35	U	35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	37	U	37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.283		15-120		66	SPK: -8
7291-22-7	Pyridine-d5	28.089		20-120		70	SPK: -40
4165-62-2	Phenol-d5	31.385		10-130		78	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	31.28		10-150		78	SPK: -40
93951-73-6	2-Chlorophenol-d4	33.354		15-120		83	SPK: -40
190780-66-6	4-Methylphenol-d8	32.25		10-140		81	SPK: -40
4165-60-0	Nitrobenzene-d5	31.339		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.468		10-120		84	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	30.655		10-140		77	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.086		1-145		78	SPK: -40
85448-30-2	Dimethylphthalate-d6	33.605		10-145		84	SPK: -40
93951-97-4	Acenaphthylene-d8	33.038		15-120		83	SPK: -40
93951-79-2	4-Nitrophenol-d4	22.826		10-150		57	SPK: -40
81103-79-9	Fluorene-d10	32.06		20-140		80	SPK: -40

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SBLK357	SDG No.:	BM061424
Lab Sample ID:	PB161357BL	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
BM046033.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	24.734		10-130		62	SPK: -40
1719-06-8	Anthracene-d10	33.16		10-150		83	SPK: -40
1718-52-1	Pyrene-d10	29.044		10-130		73	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.36		10-140		83	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	106322	7.434				
1146-65-2	Naphthalene-d8	445501	10.198				
15067-26-2	Acenaphthene-d10	264498	14.08				
1517-22-2	Phenanthrene-d10	539071	16.827				
1719-03-5	Chrysene-d12	484443	21.045				
1520-96-3	Perylene-d12	585666	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ5	SDG No.:	BM061424
Lab Sample ID:	P2695-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046034.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	15	U	15	7.7	78	ug/Kg
100-52-7	Benzaldehyde	88	U	88	96.3	390	ug/Kg
110-86-1	Pyridine	50	U	50	190	390	ug/Kg
108-95-2	Phenol	41	U	41	96.3	390	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	96.3	390	ug/Kg
95-57-8	2-Chlorophenol	33	U	33	49.6	200	ug/Kg
95-48-7	2-Methylphenol	35	U	35	96.3	390	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	32	U	32	96.3	390	ug/Kg
98-86-2	Acetophenone	44	U	44	96.3	390	ug/Kg
106-44-5	4-Methylphenol	37	U	37	96.3	390	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	34	U	34	49.6	200	ug/Kg
67-72-1	Hexachloroethane	27	U	27	49.6	200	ug/Kg
98-95-3	Nitrobenzene	42	U	42	49.6	200	ug/Kg
78-59-1	Isophorone	40	U	40	49.6	200	ug/Kg
88-75-5	2-Nitrophenol	37	U	37	49.6	200	ug/Kg
105-67-9	2,4-Dimethylphenol	33	U	33	49.6	200	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	44	U	44	49.6	200	ug/Kg
120-83-2	2,4-Dichlorophenol	46	U	46	49.6	200	ug/Kg
91-20-3	Naphthalene	40	U	40	49.6	200	ug/Kg
106-47-8	4-Chloroaniline	50	U	50	49.6	390	ug/Kg
87-68-3	Hexachlorobutadiene	40	U	40	49.6	200	ug/Kg
105-60-2	Caprolactam	140	U	140	96.3	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	33	U	33	49.6	200	ug/Kg
90-12-0	1-Methylnaphthalene	48	U	48	49.6	200	ug/Kg
91-57-6	2-Methylnaphthalene	43	U	43	49.6	200	ug/Kg
77-47-4	Hexachlorocyclopentadiene	92	U	92	96.3	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50	U	50	49.6	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	49	U	49	49.6	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ5	SDG No.:	BM061424
Lab Sample ID:	P2695-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046034.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	56	U	56	49.6	200	ug/Kg
91-58-7	2-Chloronaphthalene	53	U	53	49.6	200	ug/Kg
88-74-4	2-Nitroaniline	26	U	26	49.6	200	ug/Kg
131-11-3	Dimethylphthalate	49	U	49	49.6	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	25	U	25	49.6	200	ug/Kg
208-96-8	Acenaphthylene	50	U	50	49.6	200	ug/Kg
99-09-2	3-Nitroaniline	23	U	23	96.3	390	ug/Kg
83-32-9	Acenaphthene	48	U	48	49.6	200	ug/Kg
51-28-5	2,4-Dinitrophenol	140	U	140	96.3	390	ug/Kg
100-02-7	4-Nitrophenol	48	U	48	96.3	390	ug/Kg
132-64-9	Dibenzofuran	54	U	54	49.6	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	32	U	32	49.6	200	ug/Kg
84-66-2	Diethylphthalate	70	U	70	49.6	200	ug/Kg
86-73-7	Fluorene	53	U	53	49.6	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55	U	55	49.6	200	ug/Kg
100-01-6	4-Nitroaniline	49	U	49	96.3	390	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	19	U	19	96.3	390	ug/Kg
86-30-6	N-Nitrosodiphenylamine	49	U	49	49.6	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	60	U	60	49.6	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53	U	53	49.6	200	ug/Kg
118-74-1	Hexachlorobenzene	58	U	58	49.6	200	ug/Kg
1912-24-9	Atrazine	46	U	46	96.3	390	ug/Kg
87-86-5	Pentachlorophenol	100	U	100	96.3	390	ug/Kg
85-01-8	Phenanthrene	51	U	51	49.6	200	ug/Kg
608-93-5	Pentachlorobenzene	60	U	60	49.6	200	ug/Kg
120-12-7	Anthracene	50	U	50	49.6	200	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39	U	39	49.6	200	ug/Kg
86-74-8	Carbazole	53	U	53	96.3	390	ug/Kg
84-74-2	Di-n-butylphthalate	49	U	49	49.6	200	ug/Kg
206-44-0	Fluoranthene	51	U	51	96.3	200	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ5	SDG No.:	BM061424
Lab Sample ID:	P2695-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046034.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	51	U	51	49.6	200	ug/Kg
85-68-7	Butylbenzylphthalate	37	U	37	49.6	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	27	U	27	96.3	390	ug/Kg
56-55-3	Benzo(a)anthracene	46	U	46	49.6	200	ug/Kg
218-01-9	Chrysene	53	U	53	49.6	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	51	U	51	49.6	200	ug/Kg
117-84-0	Di-n-octyl phthalate	40	U	40	96.3	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	49	U	49	49.6	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	53	U	53	49.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	49	U	49	49.6	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	43	U	43	49.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	43	U	43	49.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	41	U	41	49.6	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	43	U	43	49.6	200	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.921		15-120		87	SPK: -8
7291-22-7	Pyridine-d5	35.247		20-120		88	SPK: -40
4165-62-2	Phenol-d5	42.669		10-130		107	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	43.218		10-150		108	SPK: -40
93951-73-6	2-Chlorophenol-d4	45.142		15-120		113	SPK: -40
190780-66-6	4-Methylphenol-d8	44.053		10-140		110	SPK: -40
4165-60-0	Nitrobenzene-d5	44.494		10-135		111	SPK: -40
93951-78-1	2-Nitrophenol-d4	47.469		10-120		119	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	44.304		10-140		111	SPK: -40
191656-33-4	4-Chloroaniline-d4	44.281		1-145		111	SPK: -40
85448-30-2	Dimethylphthalate-d6	47.004		10-145		118	SPK: -40
93951-97-4	Acenaphthylene-d8	46.411		15-120		116	SPK: -40
93951-79-2	4-Nitrophenol-d4	34.283		10-150		86	SPK: -40
81103-79-9	Fluorene-d10	46.676		20-140		117	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ5	SDG No.:	BM061424
Lab Sample ID:	P2695-04	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	14.6
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046034.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	37.554		10-130		94	SPK: -40
1719-06-8	Anthracene-d10	47.754		10-150		119	SPK: -40
1718-52-1	Pyrene-d10	41.906		10-130		105	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	47.976		10-140		120	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	104417	7.434				
1146-65-2	Naphthalene-d8	431085	10.199				
15067-26-2	Acenaphthene-d10	264882	14.081				
1517-22-2	Phenanthrene-d10	528070	16.828				
1719-03-5	Chrysene-d12	490234	21.039				
1520-96-3	Perylene-d12	584898	23.745				
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	360	J			17.757	
000057-11-4	Octadecanoic acid	80	J			19.045	
1000130-97-9	E-15-Heptadecenal	160	J			20.757	
1000356-66-3	Phthalic acid, 2,5-dichlorophenyl	96	J			22.704	
1000308-92-6	Phthalic acid, dodecyl nonyl ester	150	J			23.274	
E966796	Total Alkanes	56	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ7	SDG No.:	BM061424
Lab Sample ID:	P2695-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046035.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	20	U	20	10	100	ug/Kg
100-52-7	Benzaldehyde	110	U	110	130	500	ug/Kg
110-86-1	Pyridine	65	U	65	250	500	ug/Kg
108-95-2	Phenol	53	U	53	130	500	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	52	U	52	130	500	ug/Kg
95-57-8	2-Chlorophenol	42	U	42	64.5	260	ug/Kg
95-48-7	2-Methylphenol	46	U	46	130	500	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	41	U	41	130	500	ug/Kg
98-86-2	Acetophenone	58	U	58	130	500	ug/Kg
106-44-5	4-Methylphenol	49	U	49	130	500	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	44	U	44	64.5	260	ug/Kg
67-72-1	Hexachloroethane	35	U	35	64.5	260	ug/Kg
98-95-3	Nitrobenzene	55	U	55	64.5	260	ug/Kg
78-59-1	Isophorone	52	U	52	64.5	260	ug/Kg
88-75-5	2-Nitrophenol	49	U	49	64.5	260	ug/Kg
105-67-9	2,4-Dimethylphenol	42	U	42	64.5	260	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	58	U	58	64.5	260	ug/Kg
120-83-2	2,4-Dichlorophenol	59	U	59	64.5	260	ug/Kg
91-20-3	Naphthalene	52	U	52	64.5	260	ug/Kg
106-47-8	4-Chloroaniline	65	U	65	64.5	500	ug/Kg
87-68-3	Hexachlorobutadiene	52	U	52	64.5	260	ug/Kg
105-60-2	Caprolactam	180	U	180	130	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	42	U	42	64.5	260	ug/Kg
90-12-0	1-Methylnaphthalene	62	U	62	64.5	260	ug/Kg
91-57-6	2-Methylnaphthalene	56	U	56	64.5	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	130	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	65	U	65	64.5	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64	U	64	64.5	260	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ7	SDG No.:	BM061424
Lab Sample ID:	P2695-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046035.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	73	U	73	64.5	260	ug/Kg
91-58-7	2-Chloronaphthalene	68	U	68	64.5	260	ug/Kg
88-74-4	2-Nitroaniline	33	U	33	64.5	260	ug/Kg
131-11-3	Dimethylphthalate	64	U	64	64.5	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	32	U	32	64.5	260	ug/Kg
208-96-8	Acenaphthylene	65	U	65	64.5	260	ug/Kg
99-09-2	3-Nitroaniline	30	U	30	130	500	ug/Kg
83-32-9	Acenaphthene	62	U	62	64.5	260	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	130	500	ug/Kg
100-02-7	4-Nitrophenol	62	U	62	130	500	ug/Kg
132-64-9	Dibenzofuran	70	U	70	64.5	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	41	U	41	64.5	260	ug/Kg
84-66-2	Diethylphthalate	91	U	91	64.5	260	ug/Kg
86-73-7	Fluorene	68	U	68	64.5	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	71	U	71	64.5	260	ug/Kg
100-01-6	4-Nitroaniline	64	U	64	130	500	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	24	U	24	130	500	ug/Kg
86-30-6	N-Nitrosodiphenylamine	64	U	64	64.5	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	77	U	77	64.5	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68	U	68	64.5	260	ug/Kg
118-74-1	Hexachlorobenzene	76	U	76	64.5	260	ug/Kg
1912-24-9	Atrazine	59	U	59	130	500	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	130	500	ug/Kg
85-01-8	Phenanthrene	160	J	67	64.5	260	ug/Kg
608-93-5	Pentachlorobenzene	77	U	77	64.5	260	ug/Kg
120-12-7	Anthracene	65	U	65	64.5	260	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	50	U	50	64.5	260	ug/Kg
86-74-8	Carbazole	68	U	68	130	500	ug/Kg
84-74-2	Di-n-butylphthalate	64	U	64	64.5	260	ug/Kg
206-44-0	Fluoranthene	320		67	130	260	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ7	SDG No.:	BM061424
Lab Sample ID:	P2695-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046035.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	230	J	67	64.5	260	ug/Kg
85-68-7	Butylbenzylphthalate	49	U	49	64.5	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	35	U	35	130	500	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	59	64.5	260	ug/Kg
218-01-9	Chrysene	200	J	68	64.5	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	J	67	64.5	260	ug/Kg
117-84-0	Di-n-octyl phthalate	52	U	52	130	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	230	J	64	64.5	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	96	J	68	64.5	260	ug/Kg
50-32-8	Benzo(a)pyrene	98	J	64	64.5	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	90	J	56	64.5	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56	U	56	64.5	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	53	U	53	64.5	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56	U	56	64.5	260	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	3.522		15-120		44	SPK: -8
7291-22-7	Pyridine-d5	2.577	*	20-120		6	SPK: -40
4165-62-2	Phenol-d5	22.881		10-130		57	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	23.095		10-150		58	SPK: -40
93951-73-6	2-Chlorophenol-d4	24.65		15-120		62	SPK: -40
190780-66-6	4-Methylphenol-d8	21.509		10-140		54	SPK: -40
4165-60-0	Nitrobenzene-d5	24.143		10-135		60	SPK: -40
93951-78-1	2-Nitrophenol-d4	24.433		10-120		61	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	23.602		10-140		59	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.936		1-145		45	SPK: -40
85448-30-2	Dimethylphthalate-d6	25.674		10-145		64	SPK: -40
93951-97-4	Acenaphthylene-d8	24.866		15-120		62	SPK: -40
93951-79-2	4-Nitrophenol-d4	17.172		10-150		43	SPK: -40
81103-79-9	Fluorene-d10	25.13		20-140		63	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ7	SDG No.:	BM061424
Lab Sample ID:	P2695-05	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	34.1
Sample Wt/Vol:	30 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046035.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.148		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	25.468		10-150		64	SPK: -40
1718-52-1	Pyrene-d10	20.084		10-130		50	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	18.125		10-140		45	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	111269	7.434				
1146-65-2	Naphthalene-d8	452036	10.198				
15067-26-2	Acenaphthene-d10	271370	14.08				
1517-22-2	Phenanthrene-d10	546032	16.827				
1719-03-5	Chrysene-d12	520776	21.039				
1520-96-3	Perylene-d12	643818	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000075-76-3	Silane, tetramethyl-	130	J			4.622	
000057-10-3	n-Hexadecanoic acid	320	J			17.756	
002136-70-1	Ethanol, 2-(tetradecyloxy)-	170	J			20.75	
E966796	Total Alkanes	73	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ8	SDG No.:	BM061424
Lab Sample ID:	P2695-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046036.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	19	U	19	9.7	98	ug/Kg
100-52-7	Benzaldehyde	110	U	110	120	480	ug/Kg
110-86-1	Pyridine	63	U	63	240	480	ug/Kg
108-95-2	Phenol	51	U	51	120	480	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	50	U	50	120	480	ug/Kg
95-57-8	2-Chlorophenol	41	U	41	62.4	250	ug/Kg
95-48-7	2-Methylphenol	44	U	44	120	480	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40	U	40	120	480	ug/Kg
98-86-2	Acetophenone	56	U	56	120	480	ug/Kg
106-44-5	4-Methylphenol	47	U	47	120	480	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	43	U	43	62.4	250	ug/Kg
67-72-1	Hexachloroethane	34	U	34	62.4	250	ug/Kg
98-95-3	Nitrobenzene	53	U	53	62.4	250	ug/Kg
78-59-1	Isophorone	50	U	50	62.4	250	ug/Kg
88-75-5	2-Nitrophenol	47	U	47	62.4	250	ug/Kg
105-67-9	2,4-Dimethylphenol	41	U	41	62.4	250	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	56	U	56	62.4	250	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	62.4	250	ug/Kg
91-20-3	Naphthalene	50	U	50	62.4	250	ug/Kg
106-47-8	4-Chloroaniline	63	U	63	62.4	480	ug/Kg
87-68-3	Hexachlorobutadiene	50	U	50	62.4	250	ug/Kg
105-60-2	Caprolactam	180	U	180	120	480	ug/Kg
59-50-7	4-Chloro-3-methylphenol	41	U	41	62.4	250	ug/Kg
90-12-0	1-Methylnaphthalene	60	U	60	62.4	250	ug/Kg
91-57-6	2-Methylnaphthalene	54	U	54	62.4	250	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	120	480	ug/Kg
88-06-2	2,4,6-Trichlorophenol	63	U	63	62.4	250	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62	U	62	62.4	250	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ8	SDG No.:	BM061424
Lab Sample ID:	P2695-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046036.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	70	U	70	62.4	250	ug/Kg
91-58-7	2-Chloronaphthalene	66	U	66	62.4	250	ug/Kg
88-74-4	2-Nitroaniline	32	U	32	62.4	250	ug/Kg
131-11-3	Dimethylphthalate	62	U	62	62.4	250	ug/Kg
606-20-2	2,6-Dinitrotoluene	31	U	31	62.4	250	ug/Kg
208-96-8	Acenaphthylene	63	U	63	62.4	250	ug/Kg
99-09-2	3-Nitroaniline	29	U	29	120	480	ug/Kg
83-32-9	Acenaphthene	60	U	60	62.4	250	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	120	480	ug/Kg
100-02-7	4-Nitrophenol	60	U	60	120	480	ug/Kg
132-64-9	Dibenzofuran	68	U	68	62.4	250	ug/Kg
121-14-2	2,4-Dinitrotoluene	40	U	40	62.4	250	ug/Kg
84-66-2	Diethylphthalate	88	U	88	62.4	250	ug/Kg
86-73-7	Fluorene	66	U	66	62.4	250	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	69	U	69	62.4	250	ug/Kg
100-01-6	4-Nitroaniline	62	U	62	120	480	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	23	U	23	120	480	ug/Kg
86-30-6	N-Nitrosodiphenylamine	62	U	62	62.4	250	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	75	U	75	62.4	250	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66	U	66	62.4	250	ug/Kg
118-74-1	Hexachlorobenzene	73	U	73	62.4	250	ug/Kg
1912-24-9	Atrazine	57	U	57	120	480	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	120	480	ug/Kg
85-01-8	Phenanthrene	97	J	65	62.4	250	ug/Kg
608-93-5	Pentachlorobenzene	75	U	75	62.4	250	ug/Kg
120-12-7	Anthracene	63	U	63	62.4	250	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	48	U	48	62.4	250	ug/Kg
86-74-8	Carbazole	66	U	66	120	480	ug/Kg
84-74-2	Di-n-butylphthalate	62	U	62	62.4	250	ug/Kg
206-44-0	Fluoranthene	180	J	65	120	250	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ8	SDG No.:	BM061424
Lab Sample ID:	P2695-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046036.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	130	J	65	62.4	250	ug/Kg
85-68-7	Butylbenzylphthalate	47	U	47	62.4	250	ug/Kg
91-94-1	3,3-Dichlorobenzidine	34	U	34	120	480	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	57	62.4	250	ug/Kg
218-01-9	Chrysene	110	J	66	62.4	250	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65	U	65	62.4	250	ug/Kg
117-84-0	Di-n-octyl phthalate	50	U	50	120	480	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	62	62.4	250	ug/Kg
207-08-9	Benzo(k)fluoranthene	66	U	66	62.4	250	ug/Kg
50-32-8	Benzo(a)pyrene	62	U	62	62.4	250	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	54	U	54	62.4	250	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54	U	54	62.4	250	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51	U	51	62.4	250	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54	U	54	62.4	250	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.291		15-120		54	SPK: -8
7291-22-7	Pyridine-d5	2.922	*	20-120		7	SPK: -40
4165-62-2	Phenol-d5	25.743		10-130		64	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.084		10-150		65	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.787		15-120		69	SPK: -40
190780-66-6	4-Methylphenol-d8	23.863		10-140		60	SPK: -40
4165-60-0	Nitrobenzene-d5	26.723		10-135		67	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.008		10-120		70	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.884		10-140		67	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.615		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.912		10-145		72	SPK: -40
93951-97-4	Acenaphthylene-d8	28.298		15-120		71	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.388		10-150		48	SPK: -40
81103-79-9	Fluorene-d10	28.459		20-140		71	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ8	SDG No.:	BM061424
Lab Sample ID:	P2695-06	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	32.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046036.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	20.642		10-130		52	SPK: -40
1719-06-8	Anthracene-d10	28.11		10-150		70	SPK: -40
1718-52-1	Pyrene-d10	22.824		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	19.903		10-140		50	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129772	7.434				
1146-65-2	Naphthalene-d8	535928	10.198				
15067-26-2	Acenaphthene-d10	330092	14.08				
1517-22-2	Phenanthrene-d10	664310	16.827				
1719-03-5	Chrysene-d12	606939	21.039				
1520-96-3	Perylene-d12	737647	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	140	J			4.622	
000057-10-3	n-Hexadecanoic acid	390	J			17.756	
000057-11-4	Octadecanoic acid	110	J			19.039	
1000406-04-8	Pentadecafluorooctanoic acid, octa	150	J			20.75	
E966796	Total Alkanes	70	U			99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ9	SDG No.:	BM061424
Lab Sample ID:	P2695-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046037.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	25	U	25	12.9	130	ug/Kg
100-52-7	Benzaldehyde	150	U	150	160	650	ug/Kg
110-86-1	Pyridine	84	U	84	320	650	ug/Kg
108-95-2	Phenol	69	U	69	160	650	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	67	U	67	160	650	ug/Kg
95-57-8	2-Chlorophenol	55	U	55	83.2	330	ug/Kg
95-48-7	2-Methylphenol	59	U	59	160	650	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	53	U	53	160	650	ug/Kg
98-86-2	Acetophenone	80	J	74	160	650	ug/Kg
106-44-5	4-Methylphenol	63	U	63	160	650	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	57	U	57	83.2	330	ug/Kg
67-72-1	Hexachloroethane	45	U	45	83.2	330	ug/Kg
98-95-3	Nitrobenzene	70	U	70	83.2	330	ug/Kg
78-59-1	Isophorone	67	U	67	83.2	330	ug/Kg
88-75-5	2-Nitrophenol	63	U	63	83.2	330	ug/Kg
105-67-9	2,4-Dimethylphenol	55	U	55	83.2	330	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	74	U	74	83.2	330	ug/Kg
120-83-2	2,4-Dichlorophenol	76	U	76	83.2	330	ug/Kg
91-20-3	Naphthalene	67	U	67	83.2	330	ug/Kg
106-47-8	4-Chloroaniline	84	U	84	83.2	650	ug/Kg
87-68-3	Hexachlorobutadiene	67	U	67	83.2	330	ug/Kg
105-60-2	Caprolactam	230	U	230	160	650	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55	U	55	83.2	330	ug/Kg
90-12-0	1-Methylnaphthalene	80	U	80	83.2	330	ug/Kg
91-57-6	2-Methylnaphthalene	72	U	72	83.2	330	ug/Kg
77-47-4	Hexachlorocyclopentadiene	150	U	150	160	650	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84	U	84	83.2	330	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82	U	82	83.2	330	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ9	SDG No.:	BM061424
Lab Sample ID:	P2695-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046037.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	94	U	94	83.2	330	ug/Kg
91-58-7	2-Chloronaphthalene	88	U	88	83.2	330	ug/Kg
88-74-4	2-Nitroaniline	43	U	43	83.2	330	ug/Kg
131-11-3	Dimethylphthalate	82	U	82	83.2	330	ug/Kg
606-20-2	2,6-Dinitrotoluene	41	U	41	83.2	330	ug/Kg
208-96-8	Acenaphthylene	84	U	84	83.2	330	ug/Kg
99-09-2	3-Nitroaniline	39	U	39	160	650	ug/Kg
83-32-9	Acenaphthene	80	U	80	83.2	330	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	160	650	ug/Kg
100-02-7	4-Nitrophenol	80	U	80	160	650	ug/Kg
132-64-9	Dibenzofuran	90	U	90	83.2	330	ug/Kg
121-14-2	2,4-Dinitrotoluene	53	U	53	83.2	330	ug/Kg
84-66-2	Diethylphthalate	120	U	120	83.2	330	ug/Kg
86-73-7	Fluorene	88	U	88	83.2	330	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	92	U	92	83.2	330	ug/Kg
100-01-6	4-Nitroaniline	82	U	82	160	650	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	31	U	31	160	650	ug/Kg
86-30-6	N-Nitrosodiphenylamine	82	U	82	83.2	330	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	83.2	330	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88	U	88	83.2	330	ug/Kg
118-74-1	Hexachlorobenzene	98	U	98	83.2	330	ug/Kg
1912-24-9	Atrazine	76	U	76	160	650	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	160	650	ug/Kg
85-01-8	Phenanthrene	110	J	86	83.2	330	ug/Kg
608-93-5	Pentachlorobenzene	100	U	100	83.2	330	ug/Kg
120-12-7	Anthracene	84	U	84	83.2	330	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	65	U	65	83.2	330	ug/Kg
86-74-8	Carbazole	88	U	88	160	650	ug/Kg
84-74-2	Di-n-butylphthalate	82	U	82	83.2	330	ug/Kg
206-44-0	Fluoranthene	170	J	86	160	330	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ9	SDG No.:	BM061424
Lab Sample ID:	P2695-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046037.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	120	J	86	83.2	330	ug/Kg
85-68-7	Butylbenzylphthalate	63	U	63	83.2	330	ug/Kg
91-94-1	3,3-Dichlorobenzidine	45	U	45	160	650	ug/Kg
56-55-3	Benzo(a)anthracene	83	J	76	83.2	330	ug/Kg
218-01-9	Chrysene	100	J	88	83.2	330	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	86	U	86	83.2	330	ug/Kg
117-84-0	Di-n-octyl phthalate	67	U	67	160	650	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	82	83.2	330	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	83.2	330	ug/Kg
50-32-8	Benzo(a)pyrene	82	U	82	83.2	330	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	72	U	72	83.2	330	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	72	U	72	83.2	330	ug/Kg
191-24-2	Benzo(g,h,i)perylene	69	U	69	83.2	330	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	72	U	72	83.2	330	ug/Kg
SURROGATES							
7291-22-7	Pyridine-d5	2.658	*	20-120		7	SPK: -40
17647-74-4	1,4-Dioxane-d8	4.348		15-120		54	SPK: -8
4165-62-2	Phenol-d5	26.522		10-130		66	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	26.701		10-150		67	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.472		15-120		71	SPK: -40
190780-66-6	4-Methylphenol-d8	25.353		10-140		63	SPK: -40
4165-60-0	Nitrobenzene-d5	27.509		10-135		69	SPK: -40
93951-78-1	2-Nitrophenol-d4	28.484		10-120		71	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	27.096		10-140		68	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.505		1-145		54	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.02		10-145		73	SPK: -40
93951-97-4	Acenaphthylene-d8	28.351		15-120		71	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.996		10-150		50	SPK: -40
81103-79-9	Fluorene-d10	28.678		20-140		72	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BJ9	SDG No.:	BM061424
Lab Sample ID:	P2695-07	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	49.1
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046037.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	22.239		10-130		56	SPK: -40
1719-06-8	Anthracene-d10	29.564		10-150		74	SPK: -40
1718-52-1	Pyrene-d10	23.675		10-130		59	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	21.006		10-140		53	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	117935	7.434				
1146-65-2	Naphthalene-d8	487318	10.198				
15067-26-2	Acenaphthene-d10	299537	14.08				
1517-22-2	Phenanthrene-d10	597500	16.827				
1719-03-5	Chrysene-d12	561857	21.039				
1520-96-3	Perylene-d12	672987	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown-01	210	J			4.622	
000057-10-3	n-Hexadecanoic acid	350	J			17.756	
000057-11-4	Octadecanoic acid	140	J			19.045	
002425-54-9	Tetradecane, 1-chloro-	170	J			20.75	
	(DEL) Alkane: Straight-Chain	200	J			22.956	
E966796	Total Alkanes	200				99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK1	SDG No.:	BM061424
Lab Sample ID:	P2695-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.8
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
BM046038.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	15.2	150	ug/Kg
100-52-7	Benzaldehyde	170	U	170	190	760	ug/Kg
110-86-1	Pyridine	99	U	99	380	760	ug/Kg
108-95-2	Phenol	81	U	81	190	760	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	78	U	78	190	760	ug/Kg
95-57-8	2-Chlorophenol	65	U	65	98.1	390	ug/Kg
95-48-7	2-Methylphenol	69	U	69	190	760	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62	U	62	190	760	ug/Kg
98-86-2	Acetophenone	93	J	88	190	760	ug/Kg
106-44-5	4-Methylphenol	74	U	74	190	760	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	67	U	67	98.1	390	ug/Kg
67-72-1	Hexachloroethane	53	U	53	98.1	390	ug/Kg
98-95-3	Nitrobenzene	83	U	83	98.1	390	ug/Kg
78-59-1	Isophorone	78	U	78	98.1	390	ug/Kg
88-75-5	2-Nitrophenol	74	U	74	98.1	390	ug/Kg
105-67-9	2,4-Dimethylphenol	65	U	65	98.1	390	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	88	U	88	98.1	390	ug/Kg
120-83-2	2,4-Dichlorophenol	90	U	90	98.1	390	ug/Kg
91-20-3	Naphthalene	78	U	78	98.1	390	ug/Kg
106-47-8	4-Chloroaniline	99	U	99	98.1	760	ug/Kg
87-68-3	Hexachlorobutadiene	78	U	78	98.1	390	ug/Kg
105-60-2	Caprolactam	280	U	280	190	760	ug/Kg
59-50-7	4-Chloro-3-methylphenol	65	U	65	98.1	390	ug/Kg
90-12-0	1-Methylnaphthalene	95	U	95	98.1	390	ug/Kg
91-57-6	2-Methylnaphthalene	85	U	85	98.1	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	190	760	ug/Kg
88-06-2	2,4,6-Trichlorophenol	99	U	99	98.1	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97	U	97	98.1	390	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK1	SDG No.:	BM061424
Lab Sample ID:	P2695-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.8
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
BM046038.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	110	U	110	98.1	390	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	98.1	390	ug/Kg
88-74-4	2-Nitroaniline	51	U	51	98.1	390	ug/Kg
131-11-3	Dimethylphthalate	97	U	97	98.1	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	48	U	48	98.1	390	ug/Kg
208-96-8	Acenaphthylene	99	U	99	98.1	390	ug/Kg
99-09-2	3-Nitroaniline	46	U	46	190	760	ug/Kg
83-32-9	Acenaphthene	95	U	95	98.1	390	ug/Kg
51-28-5	2,4-Dinitrophenol	280	U	280	190	760	ug/Kg
100-02-7	4-Nitrophenol	95	U	95	190	760	ug/Kg
132-64-9	Dibenzofuran	110	U	110	98.1	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	62	U	62	98.1	390	ug/Kg
84-66-2	Diethylphthalate	140	U	140	98.1	390	ug/Kg
86-73-7	Fluorene	100	U	100	98.1	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	98.1	390	ug/Kg
100-01-6	4-Nitroaniline	97	U	97	190	760	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	37	U	37	190	760	ug/Kg
86-30-6	N-Nitrosodiphenylamine	97	U	97	98.1	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	98.1	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	98.1	390	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	98.1	390	ug/Kg
1912-24-9	Atrazine	90	U	90	190	760	ug/Kg
87-86-5	Pentachlorophenol	200	U	200	190	760	ug/Kg
85-01-8	Phenanthrene	170	J	100	98.1	390	ug/Kg
608-93-5	Pentachlorobenzene	120	U	120	98.1	390	ug/Kg
120-12-7	Anthracene	99	U	99	98.1	390	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	76	U	76	98.1	390	ug/Kg
86-74-8	Carbazole	100	U	100	190	760	ug/Kg
84-74-2	Di-n-butylphthalate	97	U	97	98.1	390	ug/Kg
206-44-0	Fluoranthene	320	J	100	190	390	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK1	SDG No.:	BM061424
Lab Sample ID:	P2695-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.8
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
BM046038.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	220	J	100	98.1	390	ug/Kg
85-68-7	Butylbenzylphthalate	74	U	74	98.1	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	53	U	53	190	760	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	90	98.1	390	ug/Kg
218-01-9	Chrysene	200	J	100	98.1	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	J	100	98.1	390	ug/Kg
117-84-0	Di-n-octyl phthalate	78	U	78	190	760	ug/Kg
205-99-2	Benzo(b)fluoranthene	240	J	97	98.1	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	98.1	390	ug/Kg
50-32-8	Benzo(a)pyrene	97	U	97	98.1	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	88	J	85	98.1	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85	U	85	98.1	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	81	U	81	98.1	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85	U	85	98.1	390	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.114		15-120		51	SPK: -8
7291-22-7	Pyridine-d5	1.988	*	20-120		5	SPK: -40
4165-62-2	Phenol-d5	24.569		10-130		61	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.501		10-150		64	SPK: -40
93951-73-6	2-Chlorophenol-d4	26.367		15-120		66	SPK: -40
190780-66-6	4-Methylphenol-d8	22.913		10-140		57	SPK: -40
4165-60-0	Nitrobenzene-d5	25.357		10-135		63	SPK: -40
93951-78-1	2-Nitrophenol-d4	26.35		10-120		66	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	26.339		10-140		66	SPK: -40
191656-33-4	4-Chloroaniline-d4	17.628		1-145		44	SPK: -40
85448-30-2	Dimethylphthalate-d6	29.234		10-145		73	SPK: -40
93951-97-4	Acenaphthylene-d8	28.069		15-120		70	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.325		10-150		46	SPK: -40
81103-79-9	Fluorene-d10	29.024		20-140		73	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK1	SDG No.:	BM061424
Lab Sample ID:	P2695-08	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.8
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
BM046038.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.715		10-130		49	SPK: -40
1719-06-8	Anthracene-d10	29.187		10-150		73	SPK: -40
1718-52-1	Pyrene-d10	22.886		10-130		57	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.445		10-140		51	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115596	7.434				
1146-65-2	Naphthalene-d8	477283	10.198				
15067-26-2	Acenaphthene-d10	287958	14.08				
1517-22-2	Phenanthrene-d10	579394	16.827				
1719-03-5	Chrysene-d12	550599	21.039				
1520-96-3	Perylene-d12	673288	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
1000186-02-3	Acetic acid, 3-[1,3]dioxolan-2-ylp	240	J			4.622	
003779-61-1	trans-.beta.-Ocimene	240	J			6.134	
000057-10-3	n-Hexadecanoic acid	420	J			17.756	
	(DEL) Alkane: Straight-Chain20.750	220	J			20.75	
	(DEL) Alkane: Straight-Chain24.609	580	J			24.609	
E966796	Total Alkanes	800				99	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK2	SDG No.:	BM061424
Lab Sample ID:	P2695-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046039.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	30	U	30	15.1	150	ug/Kg
100-52-7	Benzaldehyde	170	U	170	190	750	ug/Kg
110-86-1	Pyridine	98	U	98	380	750	ug/Kg
108-95-2	Phenol	80	U	80	190	750	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	78	U	78	190	750	ug/Kg
95-57-8	2-Chlorophenol	64	U	64	97.2	390	ug/Kg
95-48-7	2-Methylphenol	69	U	69	190	750	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62	U	62	190	750	ug/Kg
98-86-2	Acetophenone	96	J	87	190	750	ug/Kg
106-44-5	4-Methylphenol	73	U	73	190	750	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	66	U	66	97.2	390	ug/Kg
67-72-1	Hexachloroethane	53	U	53	97.2	390	ug/Kg
98-95-3	Nitrobenzene	82	U	82	97.2	390	ug/Kg
78-59-1	Isophorone	78	U	78	97.2	390	ug/Kg
88-75-5	2-Nitrophenol	73	U	73	97.2	390	ug/Kg
105-67-9	2,4-Dimethylphenol	64	U	64	97.2	390	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	87	U	87	97.2	390	ug/Kg
120-83-2	2,4-Dichlorophenol	89	U	89	97.2	390	ug/Kg
91-20-3	Naphthalene	78	U	78	97.2	390	ug/Kg
106-47-8	4-Chloroaniline	98	U	98	97.2	750	ug/Kg
87-68-3	Hexachlorobutadiene	78	U	78	97.2	390	ug/Kg
105-60-2	Caprolactam	270	U	270	190	750	ug/Kg
59-50-7	4-Chloro-3-methylphenol	64	U	64	97.2	390	ug/Kg
90-12-0	1-Methylnaphthalene	94	U	94	97.2	390	ug/Kg
91-57-6	2-Methylnaphthalene	85	U	85	97.2	390	ug/Kg
77-47-4	Hexachlorocyclopentadiene	180	U	180	190	750	ug/Kg
88-06-2	2,4,6-Trichlorophenol	98	U	98	97.2	390	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96	U	96	97.2	390	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK2	SDG No.:	BM061424
Lab Sample ID:	P2695-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046039.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	110	U	110	97.2	390	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	97.2	390	ug/Kg
88-74-4	2-Nitroaniline	50	U	50	97.2	390	ug/Kg
131-11-3	Dimethylphthalate	96	U	96	97.2	390	ug/Kg
606-20-2	2,6-Dinitrotoluene	48	U	48	97.2	390	ug/Kg
208-96-8	Acenaphthylene	98	U	98	97.2	390	ug/Kg
99-09-2	3-Nitroaniline	46	U	46	190	750	ug/Kg
83-32-9	Acenaphthene	94	U	94	97.2	390	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	190	750	ug/Kg
100-02-7	4-Nitrophenol	94	U	94	190	750	ug/Kg
132-64-9	Dibenzofuran	110	U	110	97.2	390	ug/Kg
121-14-2	2,4-Dinitrotoluene	62	U	62	97.2	390	ug/Kg
84-66-2	Diethylphthalate	140	U	140	97.2	390	ug/Kg
86-73-7	Fluorene	100	U	100	97.2	390	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	97.2	390	ug/Kg
100-01-6	4-Nitroaniline	96	U	96	190	750	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	37	U	37	190	750	ug/Kg
86-30-6	N-Nitrosodiphenylamine	96	U	96	97.2	390	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	97.2	390	ug/Kg
101-55-3	4-Bromophenyl-phenylether	100	U	100	97.2	390	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	97.2	390	ug/Kg
1912-24-9	Atrazine	89	U	89	190	750	ug/Kg
87-86-5	Pentachlorophenol	200	U	200	190	750	ug/Kg
85-01-8	Phenanthrene	250	J	100	97.2	390	ug/Kg
608-93-5	Pentachlorobenzene	120	U	120	97.2	390	ug/Kg
120-12-7	Anthracene	98	U	98	97.2	390	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	75	U	75	97.2	390	ug/Kg
86-74-8	Carbazole	100	U	100	190	750	ug/Kg
84-74-2	Di-n-butylphthalate	96	U	96	97.2	390	ug/Kg
206-44-0	Fluoranthene	410		100	190	390	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK2	SDG No.:	BM061424
Lab Sample ID:	P2695-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046039.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	280	J	100	97.2	390	ug/Kg
85-68-7	Butylbenzylphthalate	73	U	73	97.2	390	ug/Kg
91-94-1	3,3-Dichlorobenzidine	53	U	53	190	750	ug/Kg
56-55-3	Benzo(a)anthracene	160	J	89	97.2	390	ug/Kg
218-01-9	Chrysene	200	J	100	97.2	390	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	97.2	390	ug/Kg
117-84-0	Di-n-octyl phthalate	78	U	78	190	750	ug/Kg
205-99-2	Benzo(b)fluoranthene	220	J	96	97.2	390	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	97.2	390	ug/Kg
50-32-8	Benzo(a)pyrene	96	U	96	97.2	390	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85	U	85	97.2	390	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	85	U	85	97.2	390	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	97.2	390	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	85	U	85	97.2	390	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.013		15-120		50	SPK: -8
7291-22-7	Pyridine-d5	1.708	*	20-120		4	SPK: -40
4165-62-2	Phenol-d5	25.476		10-130		64	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	25.246		10-150		63	SPK: -40
93951-73-6	2-Chlorophenol-d4	27.229		15-120		68	SPK: -40
190780-66-6	4-Methylphenol-d8	25.488		10-140		64	SPK: -40
4165-60-0	Nitrobenzene-d5	26.244		10-135		66	SPK: -40
93951-78-1	2-Nitrophenol-d4	27.197		10-120		68	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	25.999		10-140		65	SPK: -40
191656-33-4	4-Chloroaniline-d4	20.967		1-145		52	SPK: -40
85448-30-2	Dimethylphthalate-d6	28.591		10-145		71	SPK: -40
93951-97-4	Acenaphthylene-d8	27.358		15-120		68	SPK: -40
93951-79-2	4-Nitrophenol-d4	18.353		10-150		46	SPK: -40
81103-79-9	Fluorene-d10	28.421		20-140		71	SPK: -40

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	A4BK2	SDG No.:	BM061424
Lab Sample ID:	P2695-09	Matrix:	Solid
Analytical Method:	SFAM_SVOC	% Moisture:	56.4
Sample Wt/Vol:	30.1 Units: g	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM046039.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.737		10-130		49	SPK: -40
1719-06-8	Anthracene-d10	29.404		10-150		74	SPK: -40
1718-52-1	Pyrene-d10	23.307		10-130		58	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	20.953		10-140		52	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127458	7.434				
1146-65-2	Naphthalene-d8	526984	10.198				
15067-26-2	Acenaphthene-d10	321345	14.08				
1517-22-2	Phenanthrene-d10	639558	16.827				
1719-03-5	Chrysene-d12	600157	21.039				
1520-96-3	Perylene-d12	718451	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
000925-89-3	1-Propene-1-thiol	220	J			4.622	
000057-10-3	n-Hexadecanoic acid	420	J			17.756	
	(DEL) Alkane: Cyclic	180	J			20.756	
E966796	Total Alkanes	180				99	ug/Kg

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SLCS357	SDG No.:	BM061424
Lab Sample ID:	PB161357BS	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
BM046040.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	370		13	6.6	67	ug/Kg
100-52-7	Benzaldehyde	1400		75	82.5	330	ug/Kg
110-86-1	Pyridine	1000		43	170	330	ug/Kg
108-95-2	Phenol	1100		35	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	950		34	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	1100		28	42.5	170	ug/Kg
95-48-7	2-Methylphenol	1000		30	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		27	82.5	330	ug/Kg
98-86-2	Acetophenone	1100		38	82.5	330	ug/Kg
106-44-5	4-Methylphenol	1100		32	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	1100		29	42.5	170	ug/Kg
67-72-1	Hexachloroethane	990		23	42.5	170	ug/Kg
98-95-3	Nitrobenzene	1100		36	42.5	170	ug/Kg
78-59-1	Isophorone	1100		34	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	1100		32	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	930		28	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	950		38	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		39	42.5	170	ug/Kg
91-20-3	Naphthalene	1000		34	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	940		43	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	1000		34	42.5	170	ug/Kg
105-60-2	Caprolactam	1300		120	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		28	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	1000		41	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1000		37	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	570		79	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		43	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1200		42	42.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SLCS357	SDG No.:	BM061424
Lab Sample ID:	PB161357BS	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
BM046040.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	1000		48	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	1000		45	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	1300		22	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	1000		42	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		21	42.5	170	ug/Kg
208-96-8	Acenaphthylene	1000		43	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	1300		20	82.5	330	ug/Kg
83-32-9	Acenaphthene	1000		41	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	1200		120	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	1400		41	82.5	330	ug/Kg
132-64-9	Dibenzofuran	1100		46	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200		27	42.5	170	ug/Kg
84-66-2	Diethylphthalate	1100		60	42.5	170	ug/Kg
86-73-7	Fluorene	1100		45	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		47	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	1600		42	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		16	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	1100		42	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		51	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		45	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	1000		50	42.5	170	ug/Kg
1912-24-9	Atrazine	970		39	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	1200		87	82.5	330	ug/Kg
85-01-8	Phenanthrene	1100		44	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	1000		51	42.5	170	ug/Kg
120-12-7	Anthracene	1100		43	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	970		33	42.5	170	ug/Kg
86-74-8	Carbazole	1100		45	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	1100		42	42.5	170	ug/Kg
206-44-0	Fluoranthene	930		44	82.5	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SLCS357	SDG No.:	BM061424
Lab Sample ID:	PB161357BS	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
BM046040.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	960		44	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	1000		32	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		23	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	1000		39	42.5	170	ug/Kg
218-01-9	Chrysene	1100		45	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		44	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	940		34	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		42	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		45	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	990		42	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		37	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1300		37	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1100		35	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300		37	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.15		15-120		64	SPK: -8
7291-22-7	Pyridine-d5	29.007		20-120		73	SPK: -40
4165-62-2	Phenol-d5	30.952		10-130		77	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	29.683		10-150		74	SPK: -40
93951-73-6	2-Chlorophenol-d4	32.241		15-120		81	SPK: -40
190780-66-6	4-Methylphenol-d8	31.412		10-140		79	SPK: -40
4165-60-0	Nitrobenzene-d5	31.183		10-135		78	SPK: -40
93951-78-1	2-Nitrophenol-d4	33.12		10-120		83	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	33.057		10-140		83	SPK: -40
191656-33-4	4-Chloroaniline-d4	31.593		1-145		79	SPK: -40
85448-30-2	Dimethylphthalate-d6	31.841		10-145		80	SPK: -40
93951-97-4	Acenaphthylene-d8	31.832		15-120		80	SPK: -40
93951-79-2	4-Nitrophenol-d4	35.423		10-150		89	SPK: -40
81103-79-9	Fluorene-d10	31.517		20-140		79	SPK: -40

Report of Analysis

Client:		Date Collected:	6/6/2024 12:00:00 AM
Project:		Date Received:	6/6/2024 12:00:00 AM
Client Sample ID:	SLCS357	SDG No.:	BM061424
Lab Sample ID:	PB161357BS	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
BM046040.D	1	6/6/2024 12:00:00 AM	6/14/2024 12:00:00 AM	PB161357

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	31.72		10-130		79	SPK: -40
1719-06-8	Anthracene-d10	32.363		10-150		81	SPK: -40
1718-52-1	Pyrene-d10	28.131		10-130		70	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	32.836		10-140		82	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	121180	7.428				
1146-65-2	Naphthalene-d8	507767	10.192				
15067-26-2	Acenaphthene-d10	317505	14.074				
1517-22-2	Phenanthrene-d10	640302	16.827				
1719-03-5	Chrysene-d12	586719	21.039				
1520-96-3	Perylene-d12	687304	23.744				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	48	U			99	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM061424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : A4BJ5								
P2695-04	A4BJ5	Solid	E-15-Heptadecenal	*	160.000	J		
P2695-04	A4BJ5	Solid	n-Hexadecanoic acid	*	360.000	J		
P2695-04	A4BJ5	Solid	Octadecanoic acid	*	80.000	J		
P2695-04	A4BJ5	Solid	Phthalic acid, 2,5-dichlorophenyl	*	96.000	J		
P2695-04	A4BJ5	Solid	Phthalic acid, dodecyl nonyl ester	*	150.000	J		
P2695-04	A4BJ5	Solid	Total Alkanes	*	0.000	56	200	ug/Kg
Total Tics :					846.00			
Total Concentration:					846.00			
Client ID : A4BJ7								
P2695-05	A4BJ7	Solid	Ethanol, 2-(tetradecyloxy)-	*	170.000	J		
P2695-05	A4BJ7	Solid	n-Hexadecanoic acid	*	320.000	J		
P2695-05	A4BJ7	Solid	Silane, tetramethyl-	*	130.000	J		
P2695-05	A4BJ7	Solid	Total Alkanes	*	0.000	73	260	ug/Kg
Total Tics :					620.00			
P2695-05	A4BJ7	Solid	Benzo(a)anthracene		160.000	J 59	260	ug/Kg
P2695-05	A4BJ7	Solid	Benzo(a)pyrene		98.000	J 64	260	ug/Kg
P2695-05	A4BJ7	Solid	Benzo(b)fluoranthene		230.000	J 64	260	ug/Kg
P2695-05	A4BJ7	Solid	Benzo(k)fluoranthene		96.000	J 68	260	ug/Kg
P2695-05	A4BJ7	Solid	Bis(2-ethylhexyl)phthalate		110.000	J 67	260	ug/Kg
P2695-05	A4BJ7	Solid	Chrysene		200.000	J 68	260	ug/Kg
P2695-05	A4BJ7	Solid	Fluoranthene		320.000	J 67	260	ug/Kg
P2695-05	A4BJ7	Solid	Indeno(1,2,3-cd)pyrene		90.000	J 56	260	ug/Kg
P2695-05	A4BJ7	Solid	Phenanthrene		160.000	J 67	260	ug/Kg
P2695-05	A4BJ7	Solid	Pyrene		230.000	J 67	260	ug/Kg
Total Svoc :					1,694.00			
Total Concentration:					2,314.00			
Client ID : A4BJ8								
P2695-06	A4BJ8	Solid	n-Hexadecanoic acid	*	390.000	J		
P2695-06	A4BJ8	Solid	Octadecanoic acid	*	110.000	J		
P2695-06	A4BJ8	Solid	Pentadecafluorooctanoic acid, oct:	*	150.000	J		
P2695-06	A4BJ8	Solid	unknown-01	*	140.000	J		
P2695-06	A4BJ8	Solid	Total Alkanes	*	0.000	70	250	ug/Kg
Total Tics :					790.00			
P2695-06	A4BJ8	Solid	Benzo(a)anthracene		100.000	J 57	250	ug/Kg
P2695-06	A4BJ8	Solid	Benzo(b)fluoranthene		120.000	J 62	250	ug/Kg
P2695-06	A4BJ8	Solid	Chrysene		110.000	J 66	250	ug/Kg
P2695-06	A4BJ8	Solid	Fluoranthene		180.000	J 65	250	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM061424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2695-06	A4BJ8	Solid	Phenanthrene	97.000	J	65	250	ug/Kg
P2695-06	A4BJ8	Solid	Pyrene	130.000	J	65	250	ug/Kg
Total Svoc :				737.00				
Total Concentration:				1,527.00				
Client ID : A4BJ9								
P2695-07	A4BJ9	Solid	(DEL) Alkane: Straight-Chain22.9 *	200.000	J			
P2695-07	A4BJ9	Solid	n-Hexadecanoic acid *	350.000	J			
P2695-07	A4BJ9	Solid	Octadecanoic acid *	140.000	J			
P2695-07	A4BJ9	Solid	Tetradecane, 1-chloro- *	170.000	J			
P2695-07	A4BJ9	Solid	unknown-01 *	210.000	J			
P2695-07	A4BJ9	Solid	Total Alkanes *	200.000		94	330	ug/Kg
Total Tics :				1,270.00				
P2695-07	A4BJ9	Solid	Acetophenone	80.000	J	74	650	ug/Kg
P2695-07	A4BJ9	Solid	Benzo(a)anthracene	83.000	J	76	330	ug/Kg
P2695-07	A4BJ9	Solid	Benzo(b)fluoranthene	120.000	J	82	330	ug/Kg
P2695-07	A4BJ9	Solid	Chrysene	100.000	J	88	330	ug/Kg
P2695-07	A4BJ9	Solid	Fluoranthene	170.000	J	86	330	ug/Kg
P2695-07	A4BJ9	Solid	Phenanthrene	110.000	J	86	330	ug/Kg
P2695-07	A4BJ9	Solid	Pyrene	120.000	J	86	330	ug/Kg
Total Svoc :				783.00				
Total Concentration:				2,053.00				
Client ID : A4BK1								
P2695-08	A4BK1	Solid	(DEL) Alkane: Straight-Chain20.7 *	220.000	J			
P2695-08	A4BK1	Solid	(DEL) Alkane: Straight-Chain24.6 *	580.000	J			
P2695-08	A4BK1	Solid	Acetic acid, 3-[1,3]dioxolan-2-ylp *	240.000	J			
P2695-08	A4BK1	Solid	n-Hexadecanoic acid *	420.000	J			
P2695-08	A4BK1	Solid	trans-.beta.-Ocimene *	240.000	J			
P2695-08	A4BK1	Solid	Total Alkanes *	800.000		110	390	ug/Kg
Total Tics :				2,500.00				
P2695-08	A4BK1	Solid	Acetophenone	93.000	J	88	760	ug/Kg
P2695-08	A4BK1	Solid	Benzo(a)anthracene	150.000	J	90	390	ug/Kg
P2695-08	A4BK1	Solid	Benzo(b)fluoranthene	240.000	J	97	390	ug/Kg
P2695-08	A4BK1	Solid	Bis(2-ethylhexyl)phthalate	150.000	J	100	390	ug/Kg
P2695-08	A4BK1	Solid	Chrysene	200.000	J	100	390	ug/Kg
P2695-08	A4BK1	Solid	Fluoranthene	320.000	J	100	390	ug/Kg
P2695-08	A4BK1	Solid	Indeno(1,2,3-cd)pyrene	88.000	J	85	390	ug/Kg
P2695-08	A4BK1	Solid	Phenanthrene	170.000	J	100	390	ug/Kg
P2695-08	A4BK1	Solid	Pyrene	220.000	J	100	390	ug/Kg
Total Svoc :				1,631.00				

Hit Summary Sheet SW-846

SDG No.: BM061424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				4,131.00				
Client ID :	A4BK2							
P2695-09	A4BK2	Solid	(DEL) Alkane: Cyclic20.756	*	180.000	J		
P2695-09	A4BK2	Solid	1-Propene-1-thiol	*	220.000	J		
P2695-09	A4BK2	Solid	n-Hexadecanoic acid	*	420.000	J		
P2695-09	A4BK2	Solid	Total Alkanes	*	180.000		110	390 ug/Kg
Total Tics :				1,000.00				
P2695-09	A4BK2	Solid	Acetophenone		96.000	J	87	750 ug/Kg
P2695-09	A4BK2	Solid	Benzo(a)anthracene		160.000	J	89	390 ug/Kg
P2695-09	A4BK2	Solid	Benzo(b)fluoranthene		220.000	J	96	390 ug/Kg
P2695-09	A4BK2	Solid	Chrysene		200.000	J	100	390 ug/Kg
P2695-09	A4BK2	Solid	Fluoranthene		410.000		100	390 ug/Kg
P2695-09	A4BK2	Solid	Phenanthrene		250.000	J	100	390 ug/Kg
P2695-09	A4BK2	Solid	Pyrene		280.000	J	100	390 ug/Kg
Total Svoc :				1,616.00				
Total Concentration:				2,616.00				

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM053124 SAS No.: BM053124 SDG No.: BM053124

Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____

Calibration Time(s): 09:07 : _____

LAB FILE ID:		RRFAL1 = BM045789.D		RRFAL2 = BM045790.D		RRFAL3 = BM045791.D		
		RRFAL4 = BM045792.D		RRFAL5 = BM045793.D		RRFAL6 = BM045794.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.574	0.543	0.639	0.554	0.545		0.571	7.0
Benzaldehyde		0.996	0.567	1.012	0.819	0.602	0.799	26.3
Pyridine		1.104	1.449	1.434	1.431	1.403	1.364	10.7
Hexachloroethane	0.597	0.610	0.728	0.644	0.631		0.642	8.0
Nitrobenzene	0.398	0.427	0.500	0.435	0.428		0.438	8.6
Isophorone	0.685	0.732	0.878	0.793	0.779		0.773	9.4
2-Nitrophenol	0.146	0.160	0.195	0.179	0.184		0.173	11.4
2,4-Dimethylphenol	0.327	0.320	0.404	0.354	0.350		0.351	9.4
Bis(2-Chloroethoxy)methane	0.429	0.449	0.530	0.468	0.471		0.469	8.1
2,4-Dichlorophenol	0.264	0.275	0.339	0.302	0.298		0.296	9.9
Naphthalene	1.023	1.032	1.200	1.047	1.030		1.066	7.0
4-Chloroaniline		0.389	0.445	0.414	0.391	0.368	0.401	7.3
Hexachlorobutadiene	0.195	0.192	0.226	0.199	0.201		0.203	6.7
Phenol		1.653	2.020	1.721	1.731	1.686	1.762	8.4
Caprolactam		0.066	0.085	0.092	0.086	0.087	0.083	12.1
4-Chloro-3-methylphenol	0.276	0.302	0.362	0.338	0.326		0.321	10.3
1-Methylnaphthalene	0.670	0.688	0.794	0.701	0.677		0.706	7.2
2-Methylnaphthalene	0.673	0.686	0.789	0.700	0.684		0.706	6.7
Hexachlorocyclopentadiene		0.307	0.380	0.355	0.390	0.386	0.364	9.4
2,4,6-Trichlorophenol	0.277	0.309	0.390	0.372	0.394		0.348	15.1
2,4,5-Trichlorophenol	0.312	0.346	0.419	0.400	0.415		0.378	12.5
1,1-Biphenyl	1.400	1.428	1.663	1.455	1.474		1.484	7.0
2-Chloronaphthalene	1.102	1.123	1.295	1.137	1.157		1.163	6.6
2-Nitroaniline	0.319	0.358	0.443	0.434	0.431		0.397	14.0
Bis(2-Chloroethyl)ether		1.385	1.699	1.440	1.457	1.374	1.471	9.0
Dimethylphthalate	1.301	1.334	1.547	1.457	1.390		1.406	7.0
2,6-Dinitrotoluene	0.223	0.240	0.298	0.295	0.297		0.270	13.3
Acenaphthylene	1.733	1.811	2.080	1.859	1.822		1.861	7.0
3-Nitroaniline		0.217	0.221	0.285	0.262	0.255	0.248	11.6
Acenaphthene	1.166	1.208	1.385	1.237	1.213		1.242	6.8
2,4-Dinitrophenol		0.098	0.090	0.119	0.139	0.171	0.123	26.5
4-Nitrophenol		0.205	0.263	0.271	0.248	0.246	0.247	10.4
Dibenzofuran	1.611	1.652	1.865	1.663	1.582		1.675	6.6
2,4-Dinitrotoluene	0.296	0.339	0.418	0.424	0.395		0.374	14.7
Diethylphthalate	1.250	1.318	1.566	1.500	1.406		1.408	9.2
2-Chlorophenol	1.219	1.284	1.534	1.331	1.318		1.337	8.8

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.: BM053124 SAS No.: BM053124 SDG No.: BM053124

Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____

Calibration Time(s): 09:07 _____

LAB FILE ID:		RRFAL1 = BM045789.D		RRFAL2 = BM045790.D		RRFAL3 = BM045791.D		
		RRFAL4 = BM045792.D		RRFAL5 = BM045793.D		RRFAL6 = BM045794.D		
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.288	1.312	1.512	1.371	1.264		1.349	7.4
4-Chlorophenyl-phenylether	0.644	0.651	0.748	0.673	0.632		0.670	6.9
4-Nitroaniline		0.194	0.168	0.253	0.212	0.205	0.206	15.0
4,6-Dinitro-2-methylphenol		0.086	0.117	0.116	0.119	0.122	0.112	13.0
N-Nitrosodiphenylamine	0.534	0.554	0.643	0.551	0.551		0.567	7.6
1,2,4,5-Tetrachlorobenzene	0.559	0.575	0.672	0.585	0.605		0.599	7.4
4-Bromophenyl-phenylether	0.195	0.203	0.234	0.203	0.207		0.209	7.2
Hexachlorobenzene	0.216	0.224	0.261	0.225	0.228		0.231	7.5
Atrazine		0.173	0.178	0.186	0.167	0.155	0.172	6.9
Pentachlorophenol		0.081	0.111	0.123	0.131	0.139	0.117	19.5
2-Methylphenol		1.160	1.446	1.281	1.305	1.259	1.290	8.0
Phenanthrene	0.996	1.024	1.177	1.051	1.021		1.054	6.8
Pentachlorobenzene	0.282	0.286	0.328	0.272	0.282		0.290	7.6
Anthracene	1.000	1.023	1.194	1.040	1.006		1.053	7.6
1,2,3,4-Tetrachlorobenzene	0.292	0.302	0.346	0.288	0.322		0.310	7.7
Carbazole		0.848	1.013	0.929	0.868	0.831	0.898	8.3
Di-n-butylphthalate	0.980	1.062	1.337	1.285	1.243		1.181	12.9
Fluoranthene	1.412	1.472	1.666	1.455	1.535		1.508	6.5
Pyrene	1.477	1.547	1.727	1.479	1.516		1.549	6.7
Butylbenzylphthalate	0.490	0.547	0.696	0.692	0.731		0.631	16.8
3,3-Dichlorobenzidine		0.343	0.407	0.439	0.412	0.375	0.395	9.4
2,2-oxybis (1-Chloropropane)		2.861	3.369	2.871	2.782	2.602	2.897	9.8
Benzo (a) anthracene	1.284	1.312	1.523	1.393	1.393		1.381	6.8
Chrysene	1.204	1.234	1.411	1.270	1.269		1.278	6.2
Bis (2-ethylhexyl) phthalate	0.718	0.815	1.050	1.050	1.057		0.938	17.1
Di-n-octyl phthalate		1.251	1.620	1.587	1.666	1.525	1.530	10.7
Benzo (b) fluoranthene	1.121	1.175	1.363	1.227	1.259		1.229	7.4
Benzo (k) fluoranthene	1.119	1.142	1.319	1.208	1.214		1.201	6.5
Benzo (a) pyrene	0.970	0.995	1.201	1.110	1.123		1.080	8.9
Indeno (1,2,3-cd) pyrene	1.063	1.075	1.291	1.216	1.252		1.179	8.8
Dibenzo (a,h) anthracene	0.832	0.856	1.027	0.961	0.989		0.933	9.1
Benzo (g,h,i) perylene	0.940	0.974	1.141	1.064	1.076		1.039	7.8
Acetophenone		2.121	2.530	2.143	2.055	1.847	2.139	11.6
2,3,4,6-Tetrachlorophenol	0.214	0.254	0.323	0.321	0.316		0.286	17.3
1,4-Dioxane-d8	0.527	0.471	0.574	0.511	0.496		0.516	7.4
Pyridine-d5		1.045	1.440	1.344	1.381	1.431	1.328	12.3

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.: BM053124 SAS No.: BM053124 SDG No.: BM053124
Instrument ID: _____ Calibration Date(s): 5/31/2024 : _____
Calibration Time(s): 09:07 : _____

LAB FILE ID:		RRFAL1 = BM045789.D			RRFAL2 = BM045790.D		RRFAL3 = BM045791.D	
		RRFAL4 = BM045792.D			RRFAL5 = BM045793.D		RRFAL6 = BM045794.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.567	1.907	1.667	1.688	1.666	1.699	7.4
Bis-(2-Chloroethyl)ether-d8		1.174	1.415	1.200	1.191	1.120	1.220	9.3
2-Chlorophenol-d4	1.088	1.179	1.476	1.291	1.313		1.269	11.6
4-Methylphenol-d8		1.164	1.450	1.275	1.291	1.239	1.284	8.2
Nitrobenzene-d5	0.142	0.147	0.172	0.159	0.162		0.156	7.7
2-Nitrophenol-d4	0.127	0.139	0.182	0.166	0.177		0.158	15.3
2,4-Dichlorophenol-d3	0.254	0.276	0.336	0.307	0.311		0.297	10.7
4-Chloroaniline-d4		0.393	0.449	0.423	0.403	0.386	0.411	6.2
4-Methylphenol		1.271	1.572	1.344	1.313	1.176	1.335	11.0
Dimethylphthalate-d6	1.269	1.304	1.531	1.427	1.391		1.385	7.5
Acenaphthylene-d8	1.443	1.520	1.797	1.642	1.637		1.608	8.4
4-Nitrophenol-d4		0.244	0.315	0.324	0.307	0.304	0.299	10.5
Fluorene-d10	1.097	1.150	1.306	1.203	1.150		1.181	6.7
4,6-Dinitro-2-methylphenol-		0.073	0.101	0.107	0.113	0.117	0.102	17.2
Anthracene-d10	0.798	0.832	0.978	0.880	0.859		0.869	7.8
Pyrene-d10	1.158	1.201	1.375	1.219	1.266		1.244	6.6
Benzo(a)pyrene-d12	0.797	0.866	1.049	0.975	0.988		0.935	10.9
N-Nitroso-di-n-propylamine	1.078	1.152	1.369	1.183	1.129		1.182	9.4

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.: BM061424 SAS No.: BM061424 SDG NO.: BM061424

EPA Sample No.: SSTD020036 Date Analyzed: Jun 14 2024 12:00AM

Lab File ID: BM045791.D Time Analyzed: 11:04

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	224754	7.469	951354	10.23	577583	14.11
UPPER LIMIT	449508	7.969	1902708	10.734	1155166	14.61
LOWER LIMIT	112377	6.969	475677	9.734	288791.5	13.61
EPA SAMPLE NO.						
01 SBLK357	106322 *	7.43	445501 *	10.20	264498 *	14.08
02 A4BJ5	104417 *	7.43	431085 *	10.20	264882 *	14.08
03 A4BJ7	111269 *	7.43	452036 *	10.20	271370 *	14.08
04 A4BJ8	129772	7.43	535928	10.20	330092	14.08
05 A4BJ9	117935	7.43	487318	10.20	299537	14.08
06 A4BK1	115596	7.43	477283	10.20	287958 *	14.08
07 A4BK2	127458	7.43	526984	10.20	321345	14.08
08 SLCS357	121180	7.43	507767	10.19	317505	14.07

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.



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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM061424 SAS No.: BM061424 SDG NO.: BM061424

EPA Sample No.: SSTD020122 Date Analyzed: Jun 14 2024 12:00AM

Lab File ID: BM046032.D Time Analyzed: 11:04

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	140360	7.434	574601	10.19	347504	14.07
UPPER LIMIT	280720	7.934	1149202	10.692	695008	14.574
LOWER LIMIT	70180	6.934	287300.5	9.692	173752	13.574
EPA SAMPLE NO.						
01 SBLK357	106322	7.43	445501	10.20	264498	14.08
02 A4BJ5	104417	7.43	431085	10.20	264882	14.08
03 A4BJ7	111269	7.43	452036	10.20	271370	14.08
04 A4BJ8	129772	7.43	535928	10.20	330092	14.08
05 A4BJ9	117935	7.43	487318	10.20	299537	14.08
06 A4BK1	115596	7.43	477283	10.20	287958	14.08
07 A4BK2	127458	7.43	526984	10.20	321345	14.08
08 SLCS357	121180	7.43	507767	10.19	317505	14.07

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.: BM061424 SAS No.: BM061424 SDG NO.: BM061424

EPA Sample No.: SSTD020036 Date Analyzed: Jun 14 2024 12:00AM

Lab File ID: BM045791.D Time Analyzed: 11:04

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.08015e+04	16.857	828447	21.068	872879	23.791
UPPER LIMIT	2160300	17.357	1656894	21.568	1745758	24.291
LOWER LIMIT	540075	16.357	414223.5	20.568	436439.5	23.291
EPA SAMPLE NO.						
01 SBLK357	539071 *	16.83	484443	21.05	585666	23.74
02 A4BJ5	528070 *	16.83	490234	21.04	584898	23.75
03 A4BJ7	546032	16.83	520776	21.04	643818	23.74
04 A4BJ8	664310	16.83	606939	21.04	737647	23.74
05 A4BJ9	597500	16.83	561857	21.04	672987	23.74
06 A4BK1	579394	16.83	550599	21.04	673288	23.74
07 A4BK2	639558	16.83	600157	21.04	718451	23.74
08 SLCS357	640302	16.83	586719	21.04	687304	23.74

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.: BM061424 SAS No.: BM061424 SDG NO.: BM061424

EPA Sample No.: SSTD020122 Date Analyzed: Jun 14 2024 12:00AM

Lab File ID: BM046032.D Time Analyzed: 11:04

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	703984	16.827	660848	21.039	769790	23.744
UPPER LIMIT	1407968	17.327	1321696	21.539	1539580	24.244
LOWER LIMIT	351992	16.327	330424	20.539	384895	23.244
EPA SAMPLE NO.						
01 SBLK357	539071	16.83	484443	21.05	585666	23.74
02 A4BJ5	528070	16.83	490234	21.04	584898	23.75
03 A4BJ7	546032	16.83	520776	21.04	643818	23.74
04 A4BJ8	664310	16.83	606939	21.04	737647	23.74
05 A4BJ9	597500	16.83	561857	21.04	672987	23.74
06 A4BK1	579394	16.83	550599	21.04	673288	23.74
07 A4BK2	639558	16.83	600157	21.04	718451	23.74
08 SLCS357	640302	16.83	586719	21.04	687304	23.74

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.: BM061424

Client: _____

Analytical Method: SFAM_SVOC

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161357BS	1,4-Dioxane	530	370	ug/Kg	70				0	0		
	Benzaldehyde	1300	1400	ug/Kg	108				0	0		
	Pyridine	1300	1000	ug/Kg	77				0	0		
	Phenol	1300	1100	ug/Kg	85				0	0		
	Bis(2-chloroethyl)ether	1300	950	ug/Kg	73				0	0		
	2-Chlorophenol	1300	1100	ug/Kg	85				0	0		
	2-Methylphenol	1300	1000	ug/Kg	77				0	0		
	2,2-oxybis(1-Chloropropane)	1300	1100	ug/Kg	85				0	0		
	Acetophenone	1300	1100	ug/Kg	85				0	0		
	4-Methylphenol	1300	1100	ug/Kg	85				0	0		
	N-Nitroso-di-n-propylamine	1300	1100	ug/Kg	85				0	0		
	Hexachloroethane	1300	990	ug/Kg	76				0	0		
	Nitrobenzene	1300	1100	ug/Kg	85				0	0		
	Isophorone	1300	1100	ug/Kg	85				0	0		
	2-Nitrophenol	1300	1100	ug/Kg	85				0	0		
	2,4-Dimethylphenol	1300	930	ug/Kg	72				0	0		
	Bis(2-chloroethoxy)methane	1300	950	ug/Kg	73				0	0		
	2,4-Dichlorophenol	1300	1100	ug/Kg	85				0	0		
	Naphthalene	1300	1000	ug/Kg	77				0	0		
	4-Chloroaniline	1300	940	ug/Kg	72				0	0		
	Hexachlorobutadiene	1300	1000	ug/Kg	77				0	0		
	Caprolactam	1300	1300	ug/Kg	100				0	0		
	4-Chloro-3-methylphenol	1300	1100	ug/Kg	85				0	0		
	1-Methylnaphthalene	1300	1000	ug/Kg	77				0	0		
	2-Methylnaphthalene	1300	1000	ug/Kg	77				0	0		
	Hexachlorocyclopentadiene	1300	570	ug/Kg	44				0	0		
	2,4,6-Trichlorophenol	1300	1100	ug/Kg	85				0	0		
	2,4,5-Trichlorophenol	1300	1200	ug/Kg	92				0	0		
	1,1'-Biphenyl	1300	1000	ug/Kg	77				0	0		
	2-Chloronaphthalene	1300	1000	ug/Kg	77				0	0		
	2-Nitroaniline	1300	1300	ug/Kg	100				0	0		
	Dimethylphthalate	1300	1000	ug/Kg	77				0	0		
	2,6-Dinitrotoluene	1300	1100	ug/Kg	85				0	0		
	Acenaphthylene	1300	1000	ug/Kg	77				0	0		
	3-Nitroaniline	1300	1300	ug/Kg	100				0	0		
	Acenaphthene	1300	1000	ug/Kg	77				0	0		
	2,4-Dinitrophenol	1300	1200	ug/Kg	92				0	0		
	4-Nitrophenol	1300	1400	ug/Kg	108				0	0		
	Dibenzofuran	1300	1100	ug/Kg	85				0	0		
	2,4-Dinitrotoluene	1300	1200	ug/Kg	92				0	0		
	Diethylphthalate	1300	1100	ug/Kg	85				0	0		
	Fluorene	1300	1100	ug/Kg	85				0	0		
	4-Chlorophenyl-phenylether	1300	1000	ug/Kg	77				0	0		
	4-Nitroaniline	1300	1600	ug/Kg	123				0	0		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BM061424**

Client:

Analytical Method: **SFAM_SVOC**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB161357BS	4,6-Dinitro-2-methylphenol	1300	1100	ug/Kg	85				0	0		
	N-Nitrosodiphenylamine	1300	1100	ug/Kg	85				0	0		
	1,2,4,5-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0		
	4-Bromophenyl-phenylether	1300	1000	ug/Kg	77				0	0		
	Hexachlorobenzene	1300	1000	ug/Kg	77				0	0		
	Atrazine	1300	970	ug/Kg	75				0	0		
	Pentachlorophenol	1300	1200	ug/Kg	92				0	0		
	Phenanthrene	1300	1100	ug/Kg	85				0	0		
	Pentachlorobenzene	1300	1000	ug/Kg	77				0	0		
	Anthracene	1300	1100	ug/Kg	85				0	0		
	1,2,3,4-Tetrachlorobenzene	1300	970	ug/Kg	75				0	0		
	Carbazole	1300	1100	ug/Kg	85				0	0		
	Di-n-butylphthalate	1300	1100	ug/Kg	85				0	0		
	Fluoranthene	1300	930	ug/Kg	72				0	0		
	Pyrene	1300	960	ug/Kg	74				0	0		
	Butylbenzylphthalate	1300	1000	ug/Kg	77				0	0		
	3,3'-Dichlorobenzidine	1300	1200	ug/Kg	92				0	0		
	Benzo(a)anthracene	1300	1000	ug/Kg	77				0	0		
	Chrysene	1300	1100	ug/Kg	85				0	0		
	Bis(2-ethylhexyl)phthalate	1300	1000	ug/Kg	77				0	0		
	Di-n-octylphthalate	1300	940	ug/Kg	72				0	0		
	Benzo(b)fluoranthene	1300	1000	ug/Kg	77				0	0		
	Benzo(k)fluoranthene	1300	1000	ug/Kg	77				0	0		
	Benzo(a)pyrene	1300	990	ug/Kg	76				0	0		
	Indeno(1,2,3-cd)pyrene	1300	1300	ug/Kg	100				0	0		
	Dibenzo(a,h)anthracene	1300	1300	ug/Kg	100				0	0		
	Benzo(g,h,i)perylene	1300	1100	ug/Kg	85				0	0		
	2,3,4,6-Tetrachlorophenol	1300	1300	ug/Kg	100				0	0		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK357

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM061424

SAS No.: BM061424 SDG NO.: BM061424

Lab File ID: BM046033.D

Lab Sample ID: PB161357BL

Instrument ID: BNA_M

Date Extracted: 06/06/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/14/2024

Level: (low/med) LOW

Time Analyzed: 11:04

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A4BJ5	P2695-04	BM046034.D	06/14/2024
A4BJ7	P2695-05	BM046035.D	06/14/2024
A4BJ8	P2695-06	BM046036.D	06/14/2024
A4BJ9	P2695-07	BM046037.D	06/14/2024
A4BK1	P2695-08	BM046038.D	06/14/2024
A4BK2	P2695-09	BM046039.D	06/14/2024
PB161357BS	PB161357BS	BM046040.D	06/14/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BM061424**

Client: _____

Analytical Method: **SFAM_SVOC**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2695-04	A4BJ5	BM046034.D	1,4-Dioxane-d8	8	6.92	87		15	120
			Pyridine-d5	40	35.25	88		20	120
			Phenol-d5	40	42.67	107		10	130
			Bis(2-Chloroethyl)ether-d8	40	43.22	108		10	150
			2-Chlorophenol-d4	40	45.14	113		15	120
			4-Methylphenol-d8	40	44.05	110		10	140
			Nitrobenzene-d5	40	44.49	111		10	135
			2-Nitrophenol-d4	40	47.47	119		10	120
			2,4-Dichlorophenol-d3	40	44.30	111		10	140
			4-Chloroaniline-d4	40	44.28	111		1	145
			Dimethylphthalate-d6	40	47.00	118		10	145
			Acenaphthylene-d8	40	46.41	116		15	120
			4-Nitrophenol-d4	40	34.28	86		10	150
			Fluorene-d10	40	46.68	117		20	140
			4,6-Dinitro-2-methylphenol-d2	40	37.55	94		10	130
			Anthracene-d10	40	47.75	119		10	150
			Pyrene-d10	40	41.91	105		10	130
			Benzo(a)pyrene-d12	40	47.98	120		10	140
P2695-05	A4BJ7	BM046035.D	1,4-Dioxane-d8	8	3.52	44		15	120
			Pyridine-d5	40	2.58	6	*	20	120
			Phenol-d5	40	22.88	57		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.10	58		10	150
			2-Chlorophenol-d4	40	24.65	62		15	120
			4-Methylphenol-d8	40	21.51	54		10	140
			Nitrobenzene-d5	40	24.14	60		10	135
			2-Nitrophenol-d4	40	24.43	61		10	120
			2,4-Dichlorophenol-d3	40	23.60	59		10	140
			4-Chloroaniline-d4	40	17.94	45		1	145
			Dimethylphthalate-d6	40	25.67	64		10	145
			Acenaphthylene-d8	40	24.87	62		15	120
			4-Nitrophenol-d4	40	17.17	43		10	150
			Fluorene-d10	40	25.13	63		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.15	43		10	130
			Anthracene-d10	40	25.47	64		10	150
			Pyrene-d10	40	20.08	50		10	130
			Benzo(a)pyrene-d12	40	18.13	45		10	140
P2695-06	A4BJ8	BM046036.D	1,4-Dioxane-d8	8	4.29	54		15	120
			Pyridine-d5	40	2.92	7	*	20	120
			Phenol-d5	40	25.74	64		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.08	65		10	150
			2-Chlorophenol-d4	40	27.79	69		15	120
			4-Methylphenol-d8	40	23.86	60		10	140
			Nitrobenzene-d5	40	26.72	67		10	135
			2-Nitrophenol-d4	40	28.01	70		10	120
			2,4-Dichlorophenol-d3	40	26.88	67		10	140
			4-Chloroaniline-d4	40	21.62	54		1	145
			Dimethylphthalate-d6	40	28.91	72		10	145
			Acenaphthylene-d8	40	28.30	71		15	120
			4-Nitrophenol-d4	40	19.39	48		10	150

Surrogate Summary

SW-846

SDG No.: BM061424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2695-06	A4BJ8	BM046036.D	Fluorene-d10	40	28.46	71		20	140
			4,6-Dinitro-2-methylphenol-d2	40	20.64	52		10	130
			Anthracene-d10	40	28.11	70		10	150
			Pyrene-d10	40	22.82	57		10	130
			Benzo(a)pyrene-d12	40	19.90	50		10	140
P2695-07	A4BJ9	BM046037.D	1,4-Dioxane-d8	8	4.35	54		15	120
			Pyridine-d5	40	2.66	7	*	20	120
			Phenol-d5	40	26.52	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.70	67		10	150
			2-Chlorophenol-d4	40	28.47	71		15	120
			4-Methylphenol-d8	40	25.35	63		10	140
			Nitrobenzene-d5	40	27.51	69		10	135
			2-Nitrophenol-d4	40	28.48	71		10	120
			2,4-Dichlorophenol-d3	40	27.10	68		10	140
			4-Chloroaniline-d4	40	21.51	54		1	145
			Dimethylphthalate-d6	40	29.02	73		10	145
			Acenaphthylene-d8	40	28.35	71		15	120
			4-Nitrophenol-d4	40	20.00	50		10	150
			Fluorene-d10	40	28.68	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	22.24	56		10	130
			Anthracene-d10	40	29.56	74		10	150
			Pyrene-d10	40	23.68	59		10	130
			Benzo(a)pyrene-d12	40	21.01	53		10	140
P2695-08	A4BK1	BM046038.D	1,4-Dioxane-d8	8	4.11	51		15	120
			Pyridine-d5	40	1.99	5	*	20	120
			Phenol-d5	40	24.57	61		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.50	64		10	150
			2-Chlorophenol-d4	40	26.37	66		15	120
			4-Methylphenol-d8	40	22.91	57		10	140
			Nitrobenzene-d5	40	25.36	63		10	135
			2-Nitrophenol-d4	40	26.35	66		10	120
			2,4-Dichlorophenol-d3	40	26.34	66		10	140
			4-Chloroaniline-d4	40	17.63	44		1	145
			Dimethylphthalate-d6	40	29.23	73		10	145
			Acenaphthylene-d8	40	28.07	70		15	120
			4-Nitrophenol-d4	40	18.33	46		10	150
			Fluorene-d10	40	29.02	73		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.72	49		10	130
			Anthracene-d10	40	29.19	73		10	150
			Pyrene-d10	40	22.89	57		10	130
			Benzo(a)pyrene-d12	40	20.45	51		10	140
P2695-09	A4BK2	BM046039.D	1,4-Dioxane-d8	8	4.01	50		15	120
			Pyridine-d5	40	1.71	4	*	20	120
			Phenol-d5	40	25.48	64		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.25	63		10	150
			2-Chlorophenol-d4	40	27.23	68		15	120
			4-Methylphenol-d8	40	25.49	64		10	140
			Nitrobenzene-d5	40	26.24	66		10	135
			2-Nitrophenol-d4	40	27.20	68		10	120

Surrogate Summary

SW-846

SDG No.: BM061424

Client: _____

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2695-09	A4BK2	BM046039.D	2,4-Dichlorophenol-d3	40	26.00	65		10	140
			4-Chloroaniline-d4	40	20.97	52		1	145
			Dimethylphthalate-d6	40	28.59	71		10	145
			Acenaphthylene-d8	40	27.36	68		15	120
			4-Nitrophenol-d4	40	18.35	46		10	150
			Fluorene-d10	40	28.42	71		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.74	49		10	130
			Anthracene-d10	40	29.40	74		10	150
			Pyrene-d10	40	23.31	58		10	130
			Benzo(a)pyrene-d12	40	20.95	52		10	140
PB161357BL	PB161357BL	BM046033.D	Pyridine-d5	40	28.09	70		20	120
			1,4-Dioxane-d8	8	5.28	66		15	120
			Phenol-d5	40	31.39	78		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.28	78		10	150
			2-Chlorophenol-d4	40	33.35	83		15	120
			4-Methylphenol-d8	40	32.25	81		10	140
			Nitrobenzene-d5	40	31.34	78		10	135
			2-Nitrophenol-d4	40	33.47	84		10	120
			2,4-Dichlorophenol-d3	40	30.66	77		10	140
			4-Chloroaniline-d4	40	31.09	78		1	145
			Dimethylphthalate-d6	40	33.61	84		10	145
			Acenaphthylene-d8	40	33.04	83		15	120
			4-Nitrophenol-d4	40	22.83	57		10	150
			Fluorene-d10	40	32.06	80		20	140
			4,6-Dinitro-2-methylphenol-d2	40	24.73	62		10	130
			Anthracene-d10	40	33.16	83		10	150
			Pyrene-d10	40	29.04	73		10	130
			Benzo(a)pyrene-d12	40	33.36	83		10	140
PB161357BS	PB161357BS	BM046040.D	1,4-Dioxane-d8	8	5.15	64		15	120
			Pyridine-d5	40	29.01	73		20	120
			Phenol-d5	40	30.95	77		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.68	74		10	150
			2-Chlorophenol-d4	40	32.24	81		15	120
			4-Methylphenol-d8	40	31.41	79		10	140
			Nitrobenzene-d5	40	31.18	78		10	135
			2-Nitrophenol-d4	40	33.12	83		10	120
			2,4-Dichlorophenol-d3	40	33.06	83		10	140
			4-Chloroaniline-d4	40	31.59	79		1	145
			Dimethylphthalate-d6	40	31.84	80		10	145
			Acenaphthylene-d8	40	31.83	80		15	120
			4-Nitrophenol-d4	40	35.42	89		10	150
			Fluorene-d10	40	31.52	79		20	140
			4,6-Dinitro-2-methylphenol-d2	40	31.72	79		10	130
			Anthracene-d10	40	32.36	81		10	150
			Pyrene-d10	40	28.13	70		10	130
			Benzo(a)pyrene-d12	40	32.84	82		10	140

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BM061424

Lab Code: CHEM

SAS No.: BM061424

SDG NO.: BM061424

Lab File ID: BM046031.D

DFTPP Injection Date: 06/14/2024

Instrument ID: BNA_M

DFTPP Injection Time: 09:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	69.6
68	Less than 2.0% of mass 69	0.9 (1.5) 1
69	Mass 69 relative abundance	56.4
70	Less than 2.0% of mass 69	0.4 (0.6) 1
127	10.0 - 80.0% of mass 198	53.7
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	9.4
442	Greater than 50% of mass 198	56.3
443	15.0 - 24.0% of mass 442	10.6 (18.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020122	SSTDCCC020	BM046032.D	06/14/2024	10:25
SBLK357	PB161357BL	BM046033.D	06/14/2024	11:04
A4BJ5	P2695-04	BM046034.D	06/14/2024	11:44
A4BJ7	P2695-05	BM046035.D	06/14/2024	12:23
A4BJ8	P2695-06	BM046036.D	06/14/2024	13:03
A4BJ9	P2695-07	BM046037.D	06/14/2024	13:43
A4BK1	P2695-08	BM046038.D	06/14/2024	14:22
A4BK2	P2695-09	BM046039.D	06/14/2024	15:02
SLCS357	PB161357BS	BM046040.D	06/14/2024	15:41
SSTD020123	SSTDCCC020EC	BM046041.D	06/14/2024	16:21