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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 10:06

Lab File ID: BG063915.D Init. Calib. Date(s):

EPA Sample No.: SSTD020590 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.604	0.748	0.010	23.8881	40.0
Benzaldehyde	1.130	1.255	0.010	11.093	40.0
Pyridine	1.724	1.842	0.010	6.8011	40.0
Phenol	1.963	1.945	0.080	-0.9436	20.0
Bis(2-Chloroethyl)ether	1.502	1.525	0.100	1.5644	20.0
2-Chlorophenol	1.207	1.314	0.200	8.8647	20.0
2-Methylphenol	1.419	1.351	0.010	-4.754	20.0
2,2-oxybis(1-Chloropropane)	2.230	2.254	0.010	1.0674	40.0
Acetophenone	2.426	2.399	0.060	-1.113	20.0
4-Methylphenol	1.553	1.526	0.010	-1.7396	20.0
N-Nitroso-di-n-propylamine	1.447	1.342	0.050	-7.2951	30.0
Hexachloroethane	0.593	0.571	0.100	-3.6668	20.0
Nitrobenzene	0.477	0.524	0.050	9.9767	25.0
Isophorone	0.901	0.909	0.050	0.8383	25.0
2-Nitrophenol	0.165	0.182	0.050	10.7878	25.0
2,4-Dimethylphenol	0.373	0.386	0.050	3.3914	25.0
Bis(2-Chloroethoxy)methane	0.487	0.529	0.050	8.4737	20.0
2,4-Dichlorophenol	0.308	0.342	0.060	10.9291	20.0
Naphthalene	1.000	1.091	0.200	9.1003	20.0
4-Chloroaniline	0.374	0.397	0.010	6.0664	40.0
Hexachlorobutadiene	0.250	0.259	0.040	3.4325	30.0
Caprolactam	0.106	0.119	0.010	11.672	40.0
4-Chloro-3-methylphenol	0.362	0.343	0.040	-5.1785	25.0
1-Methylnaphthalene	0.732	0.793	0.100	8.3586	20.0
2-Methylnaphthalene	0.719	0.756	0.100	5.1358	20.0
Hexachlorocyclopentadiene	0.253	0.247	0.010	-2.5882	40.0
2,4,6-Trichlorophenol	0.362	0.396	0.090	9.5664	25.0
2,4,5-Trichlorophenol	0.378	0.406	0.100	7.4009	25.0
1,1-Biphenyl	1.319	1.524	0.200	15.5745	20.0
2-Chloronaphthalene	1.059	1.227	0.300	15.8207	20.0
2-Nitroaniline	0.355	0.386	0.050	8.8217	40.0
Dimethylphthalate	1.364	1.533	0.300	12.3609	20.0
2,6-Dinitrotoluene	0.253	0.294	0.080	16.2463	30.0
Acenaphthylene	1.663	1.916	0.400	15.1745	20.0
3-Nitroaniline	0.234	0.248	0.010	5.7383	40.0
Acenaphthene	1.179	1.367	0.200	15.921	20.0
2,4-Dinitrophenol	0.129	0.124	0.010	-4.5585	40.0
4-Nitrophenol	0.200	0.178	0.010	-11.2634	40.0
Dibenzofuran	1.662	1.938	0.300	16.6136	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 10:06

Lab File ID: BG063915.D Init. Calib. Date(s):

EPA Sample No.: SSTD020590 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.376	0.457	0.070	21.3205	30.0
Diethylphthalate	1.319	1.462	0.300	10.8782	20.0
Fluorene	1.327	1.515	0.200	14.1721	20.0
4-Chlorophenyl-phenylether	0.739	0.797	0.100	7.7614	20.0
4-Nitroaniline	0.234	0.222	0.010	-5.2355	40.0
4,6-Dinitro-2-methylphenol	0.107	0.101	0.010	-5.9376	40.0
N-Nitrosodiphenylamine	0.484	0.540	0.050	11.5128	20.0
1,2,4,5-Tetrachlorobenzene	0.640	0.715	0.100	11.6531	20.0
4-Bromophenyl-phenylether	0.204	0.222	0.070	9.1525	20.0
Hexachlorobenzene	0.228	0.251	0.050	9.7379	25.0
Atrazine	0.205	0.227	0.010	10.8921	25.0
Pentachlorophenol	0.096	0.073	0.010	-24.6925	40.0
Phenanthrene	0.964	1.126	0.200	16.789	20.0
Pentachlorobenzene	0.264	0.296	0.050	11.8284	20.0
Anthracene	0.975	1.167	0.200	19.6801	20.0
1,2,3,4-Tetrachlorobenzene	0.267	0.299	0.050	11.871	20.0
Carbazole	0.790	1.003	0.050	27.0232	40.0
Di-n-butylphthalate	0.954	1.156	0.500	21.2582	25.0
Fluoranthene	1.183	1.224	0.400	3.4712	25.0
Pyrene	1.259	1.330	0.400	5.7056	25.0
Butylbenzylphthalate	0.386	0.431	0.100	11.6205	40.0
3,3-Dichlorobenzidine	0.361	0.379	0.010	4.9562	40.0
Benzo(a)anthracene	1.253	1.393	0.300	11.1657	30.0
Chrysene	1.195	1.339	0.200	12.0736	30.0
Bis(2-ethylhexyl)phthalate	0.562	0.661	0.200	17.6441	40.0
Di-n-octyl phthalate	0.863	1.081	0.010	25.2563	40.0
Benzo(b)fluoranthene	1.137	1.294	0.200	13.87	25.0
Benzo(k)fluoranthene	1.134	1.369	0.200	20.6994	25.0
Benzo(a)pyrene	1.067	1.245	0.200	16.6475	20.0
Indeno(1,2,3-cd)pyrene	1.303	1.489	0.200	14.2915	25.0
Dibenzo(a,h)anthracene	1.043	1.186	0.200	13.7961	30.0
Benzo(g,h,i)perylene	1.034	1.147	0.200	10.9029	30.0
2,3,4,6-Tetrachlorophenol	0.326	0.367	0.040	12.7448	20.0
1,4-Dioxane-d8	0.510	0.638	0.010	24.9169	25.0
Pyridine-d5	1.610	1.811	0.010	12.5101	40.0
Phenol-d5	1.842	1.850	0.010	0.4337	25.0
Bis-(2-Chloroethyl)ether-d8	1.272	1.261	0.050	-0.8599	25.0
2-Chlorophenol-d4	1.193	1.250	0.200	4.7933	20.0
4-Methylphenol-d8	1.430	1.352	0.010	-5.4439	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 10:06

Lab File ID: BG063915.D Init. Calib. Date(s):

EPA Sample No.: SSTD020590 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.162	0.050	13.7033	20.0
2-Nitrophenol-d4	0.160	0.171	0.050	6.9781	30.0
2,4-Dichlorophenol-d3	0.310	0.336	0.060	8.274	20.0
4-Chloroaniline-d4	0.394	0.426	0.010	8.2087	40.0
Dimethylphthalate-d6	1.361	1.513	0.300	11.1511	20.0
Acenaphthylene-d8	1.551	1.795	0.400	15.7103	20.0
4-Nitrophenol-d4	0.193	0.205	0.010	6.1301	40.0
Fluorene-d10	1.203	1.349	0.100	12.1522	20.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.092	0.010	-11.854	40.0
Anthracene-d10	0.860	1.001	0.300	16.356	20.0
Pyrene-d10	1.041	1.073	0.300	3.1385	25.0
Benzo(a)pyrene-d12	0.939	1.085	0.010	15.5405	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.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 12:33

Lab File ID: BG063918.D Init. Calib. Date(s):

EPA Sample No.: SSTD020591 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.604	0.668	0.010	10.6225	50.0
Benzaldehyde	1.130	1.341	0.010	18.6894	50.0
Pyridine	1.724	1.880	0.010	9.0409	50.0
Phenol	1.963	1.995	0.080	1.611	50.0
Bis(2-Chloroethyl)ether	1.502	1.603	0.100	6.709	50.0
2-Chlorophenol	1.207	1.310	0.200	8.5385	50.0
2-Methylphenol	1.419	1.417	0.010	-0.0982	50.0
2,2-oxybis(1-Chloropropane)	2.230	2.273	0.010	1.9412	50.0
Acetophenone	2.426	3.368	0.060	38.8574	50.0
4-Methylphenol	1.553	2.075	0.010	33.5929	50.0
N-Nitroso-di-n-propylamine	1.447	1.845	0.050	27.4615	50.0
Hexachloroethane	0.593	0.775	0.100	30.617	50.0
Nitrobenzene	0.477	0.686	0.050	43.7716	50.0
Isophorone	0.901	0.957	0.050	6.1937	50.0
2-Nitrophenol	0.165	0.190	0.050	15.4557	50.0
2,4-Dimethylphenol	0.373	0.398	0.050	6.5992	50.0
Bis(2-Chloroethoxy)methane	0.487	0.550	0.050	12.8058	50.0
2,4-Dichlorophenol	0.308	0.356	0.060	15.5307	50.0
Naphthalene	1.000	1.104	0.200	10.3957	50.0
4-Chloroaniline	0.374	0.430	0.010	14.8382	50.0
Hexachlorobutadiene	0.250	0.265	0.040	5.7647	50.0
Caprolactam	0.106	0.130	0.010	21.9987	50.0
4-Chloro-3-methylphenol	0.362	0.370	0.040	2.2641	50.0
1-Methylnaphthalene	0.732	0.819	0.100	11.8184	50.0
2-Methylnaphthalene	0.719	0.791	0.100	10.0232	50.0
Hexachlorocyclopentadiene	0.253	0.238	0.010	-6.1199	50.0
2,4,6-Trichlorophenol	0.362	0.399	0.090	10.1695	50.0
2,4,5-Trichlorophenol	0.378	0.411	0.100	8.7332	50.0
1,1-Biphenyl	1.319	1.494	0.200	13.3073	50.0
2-Chloronaphthalene	1.059	1.179	0.300	11.2872	50.0
2-Nitroaniline	0.355	0.397	0.050	11.8006	50.0
Dimethylphthalate	1.364	1.521	0.300	11.5483	50.0
2,6-Dinitrotoluene	0.253	0.297	0.080	17.2061	50.0
Acenaphthylene	1.663	1.894	0.400	13.881	50.0
3-Nitroaniline	0.234	0.242	0.010	3.245	50.0
Acenaphthene	1.179	1.312	0.200	11.2416	50.0
2,4-Dinitrophenol	0.129	0.137	0.010	6.0885	50.0
4-Nitrophenol	0.200	0.179	0.010	-10.3582	50.0
Dibenzofuran	1.662	1.925	0.300	15.8306	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 12:33

Lab File ID: BG063918.D Init. Calib. Date(s):

EPA Sample No.: SSTD020591 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.376	0.461	0.070	22.4052	50.0
Diethylphthalate	1.319	1.487	0.300	12.7609	50.0
Fluorene	1.327	1.553	0.200	16.9997	50.0
4-Chlorophenyl-phenylether	0.739	0.809	0.100	9.3469	50.0
4-Nitroaniline	0.234	0.237	0.010	1.0033	50.0
4,6-Dinitro-2-methylphenol	0.107	0.097	0.010	-9.5976	50.0
N-Nitrosodiphenylamine	0.484	0.561	0.050	15.8637	50.0
1,2,4,5-Tetrachlorobenzene	0.640	0.682	0.100	6.4768	50.0
4-Bromophenyl-phenylether	0.204	0.227	0.070	11.3479	50.0
Hexachlorobenzene	0.228	0.253	0.050	10.8362	50.0
Atrazine	0.205	0.228	0.010	11.4235	50.0
Pentachlorophenol	0.096	0.065	0.010	-32.967	50.0
Phenanthrene	0.964	1.153	0.200	19.6237	50.0
Pentachlorobenzene	0.264	0.305	0.050	15.4513	50.0
Anthracene	0.975	1.171	0.200	20.0482	50.0
1,2,3,4-Tetrachlorobenzene	0.267	0.286	0.050	7.2867	50.0
Carbazole	0.790	1.009	0.050	27.8023	50.0
Di-n-butylphthalate	0.954	1.184	0.500	24.1189	50.0
Fluoranthene	1.183	1.260	0.400	6.5449	50.0
Pyrene	1.259	1.345	0.400	6.8999	50.0
Butylbenzylphthalate	0.386	0.435	0.100	12.5234	50.0
3,3-Dichlorobenzidine	0.361	0.360	0.010	-0.3905	50.0
Benzo(a)anthracene	1.253	1.370	0.300	9.2962	50.0
Chrysene	1.195	1.263	0.200	5.738	50.0
Bis(2-ethylhexyl)phthalate	0.562	0.641	0.200	14.0011	50.0
Di-n-octyl phthalate	0.863	1.062	0.010	22.9839	50.0
Benzo(b)fluoranthene	1.137	1.310	0.200	15.2617	50.0
Benzo(k)fluoranthene	1.134	1.280	0.200	12.8585	50.0
Benzo(a)pyrene	1.067	1.208	0.200	13.1853	50.0
Indeno(1,2,3-cd)pyrene	1.303	1.492	0.200	14.4799	50.0
Dibenzo(a,h)anthracene	1.043	1.198	0.200	14.8709	50.0
Benzo(g,h,i)perylene	1.034	1.149	0.200	11.1423	50.0
2,3,4,6-Tetrachlorophenol	0.326	0.349	0.040	7.2781	50.0
1,4-Dioxane-d8	0.510	0.620	0.010	21.4351	50.0
Pyridine-d5	1.610	1.803	0.010	11.973	50.0
Phenol-d5	1.842	1.882	0.010	2.1971	50.0
Bis-(2-Chloroethyl)ether-d8	1.272	1.324	0.050	4.0542	50.0
2-Chlorophenol-d4	1.193	1.225	0.200	2.7362	50.0
4-Methylphenol-d8	1.430	1.408	0.010	-1.5144	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG No.: BG123124

Instrument ID: BNA_G Calibration Date/Time: 12/31/2024 1 12:33

Lab File ID: BG063918.D Init. Calib. Date(s):

EPA Sample No.: SSTD020591 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.212	0.050	48.2914	50.0
2-Nitrophenol-d4	0.160	0.179	0.050	11.9231	50.0
2,4-Dichlorophenol-d3	0.310	0.348	0.060	12.3833	50.0
4-Chloroaniline-d4	0.394	0.446	0.010	13.273	50.0
Dimethylphthalate-d6	1.361	1.503	0.300	10.4483	50.0
Acenaphthylene-d8	1.551	1.776	0.400	14.4959	50.0
4-Nitrophenol-d4	0.193	0.200	0.010	3.9103	50.0
Fluorene-d10	1.203	1.365	0.100	13.4501	50.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.094	0.010	-9.6365	50.0
Anthracene-d10	0.860	1.005	0.300	16.8726	50.0
Pyrene-d10	1.041	1.090	0.300	4.7428	50.0
Benzo(a)pyrene-d12	0.939	1.062	0.010	13.1011	50.0

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:				Date Collected:	12/26/2024 12:00:00 AM
Project:				Date Received:	12/26/2024 12:00:00 AM
Client Sample ID:	SBLK853			SDG No.:	BG123124
Lab Sample ID:	PB165853BL			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
BG063916.D	1	12/26/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165853

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

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Report of Analysis

Client:				Date Collected:	12/26/2024 12:00:00 AM
Project:				Date Received:	12/26/2024 12:00:00 AM
Client Sample ID:	SBLK853			SDG No.:	BG123124
Lab Sample ID:	PB165853BL			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
BG063916.D	1	12/26/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165853

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

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Report of Analysis

Client:				Date Collected:	12/26/2024 12:00:00 AM
Project:				Date Received:	12/26/2024 12:00:00 AM
Client Sample ID:	SBLK853			SDG No.:	BG123124
Lab Sample ID:	PB165853BL			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
BG063916.D	1	12/26/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	18	U	18	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	22	U	22	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	52	U	52	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	23	U	23	42.5	170	ug/Kg
218-01-9	Chrysene	24	U	24	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	25	U	25	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	48	U	48	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	37	U	37	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	31	U	31	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	28	U	28	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	26	U	26	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32	U	32	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	36	U	36	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	5.495		15-120		69	SPK: -8
7291-22-7	Pyridine-d5	25.436		20-120		64	SPK: -40
4165-62-2	Phenol-d5	22.536		10-130		56	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	22.796		10-150		57	SPK: -40
93951-73-6	2-Chlorophenol-d4	22.926		15-120		57	SPK: -40
190780-66-6	4-Methylphenol-d8	21.336		10-140		53	SPK: -40
4165-60-0	Nitrobenzene-d5	24.118		10-135		60	SPK: -40
93951-78-1	2-Nitrophenol-d4	23.739		10-120		59	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	22.819		10-140		57	SPK: -40
191656-33-4	4-Chloroaniline-d4	21.807		1-145		55	SPK: -40
85448-30-2	Dimethylphthalate-d6	24.413		10-145		61	SPK: -40
93951-97-4	Acenaphthylene-d8	25.582		15-120		64	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.034		10-150		48	SPK: -40
81103-79-9	Fluorene-d10	23.944		20-140		60	SPK: -40

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Report of Analysis

Client:				Date Collected:	12/26/2024 12:00:00 AM
Project:				Date Received:	12/26/2024 12:00:00 AM
Client Sample ID:	SBLK853			SDG No.:	BG123124
Lab Sample ID:	PB165853BL			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
BG063916.D	1	12/26/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165853

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	8.375		10-130		21	SPK: -40
1719-06-8	Anthracene-d10	24.455		10-150		61	SPK: -40
1718-52-1	Pyrene-d10	22.57		10-130		56	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	24.361		10-140		61	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	62997	7.793				
1146-65-2	Naphthalene-d8	246053	10.584				
15067-26-2	Acenaphthene-d10	164441	14.439				
1517-22-2	Phenanthrene-d10	395984	17.194				
1719-03-5	Chrysene-d12	463273	21.454				
1520-96-3	Perylene-d12	486569	24.474				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	26	U			99	ug/Kg

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Report of Analysis

Client:				Date Collected:	12/20/2024 12:00:00 AM
Project:				Date Received:	12/20/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK			SDG No.:	BG123124
Lab Sample ID:	P5394-10			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	10	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063917.D	1	12/30/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	81	U	81	19.8	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	250	990	ug/Kg
110-86-1	Pyridine	230	U	230	500	990	ug/Kg
108-95-2	Phenol	90	U	90	250	990	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	87	U	87	250	990	ug/Kg
95-57-8	2-Chlorophenol	84	U	84	130	510	ug/Kg
95-48-7	2-Methylphenol	93	U	93	250	990	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	250	990	ug/Kg
98-86-2	Acetophenone	200	U	200	250	990	ug/Kg
106-44-5	4-Methylphenol	160	U	160	250	990	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	240	U	240	130	510	ug/Kg
67-72-1	Hexachloroethane	180	U	180	130	510	ug/Kg
98-95-3	Nitrobenzene	190	U	190	130	510	ug/Kg
78-59-1	Isophorone	200	U	200	130	510	ug/Kg
88-75-5	2-Nitrophenol	180	U	180	130	510	ug/Kg
105-67-9	2,4-Dimethylphenol	96	U	96	130	510	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	140	U	140	130	510	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	130	510	ug/Kg
91-20-3	Naphthalene	72	U	72	130	510	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	130	990	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	130	510	ug/Kg
105-60-2	Caprolactam	190	U	190	250	990	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	130	510	ug/Kg
90-12-0	1-Methylnaphthalene	72	U	72	130	510	ug/Kg
91-57-6	2-Methylnaphthalene	96	U	96	130	510	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	250	990	ug/Kg
88-06-2	2,4,6-Trichlorophenol	72	U	72	130	510	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99	U	99	130	510	ug/Kg

Alliance TECHNICAL GROUP
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Report of Analysis

Client:				Date Collected:	12/20/2024 12:00:00 AM
Project:				Date Received:	12/20/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK			SDG No.:	BG123124
Lab Sample ID:	P5394-10			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	10	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063917.D	1	12/30/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	78	U	78	130	510	ug/Kg
91-58-7	2-Chloronaphthalene	99	U	99	130	510	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	130	510	ug/Kg
131-11-3	Dimethylphthalate	90	U	90	130	510	ug/Kg
606-20-2	2,6-Dinitrotoluene	60	U	60	130	510	ug/Kg
208-96-8	Acenaphthylene	87	U	87	130	510	ug/Kg
99-09-2	3-Nitroaniline	200	U	200	250	990	ug/Kg
83-32-9	Acenaphthene	78	U	78	130	510	ug/Kg
51-28-5	2,4-Dinitrophenol	390	U	390	250	990	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	250	990	ug/Kg
132-64-9	Dibenzofuran	81	U	81	130	510	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	130	510	ug/Kg
84-66-2	Diethylphthalate	99	U	99	130	510	ug/Kg
86-73-7	Fluorene	81	U	81	130	510	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60	U	60	130	510	ug/Kg
100-01-6	4-Nitroaniline	72	U	72	250	990	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	250	990	ug/Kg
86-30-6	N-Nitrosodiphenylamine	72	U	72	130	510	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	130	510	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78	U	78	130	510	ug/Kg
118-74-1	Hexachlorobenzene	84	U	84	130	510	ug/Kg
1912-24-9	Atrazine	84	U	84	250	990	ug/Kg
87-86-5	Pentachlorophenol	260	U	260	250	990	ug/Kg
85-01-8	Phenanthrene	81	U	81	130	510	ug/Kg
608-93-5	Pentachlorobenzene	110	U	110	130	510	ug/Kg
120-12-7	Anthracene	75	U	75	130	510	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	51	U	51	130	510	ug/Kg
86-74-8	Carbazole	100	U	100	250	990	ug/Kg
84-74-2	Di-n-butylphthalate	81	U	81	130	510	ug/Kg
206-44-0	Fluoranthene	57	U	57	250	510	ug/Kg

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Report of Analysis

Client:				Date Collected:	12/20/2024 12:00:00 AM
Project:				Date Received:	12/20/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK			SDG No.:	BG123124
Lab Sample ID:	P5394-10			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	10	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063917.D	1	12/30/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	54	U	54	130	510	ug/Kg
85-68-7	Butylbenzylphthalate	66	U	66	130	510	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	250	990	ug/Kg
56-55-3	Benzo(a)anthracene	69	U	69	130	510	ug/Kg
218-01-9	Chrysene	72	U	72	130	510	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	75	U	75	130	510	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	250	990	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	130	510	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	130	510	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	510	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84	U	84	130	510	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	78	U	78	130	510	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96	U	96	130	510	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	130	510	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	0	U	15-120		0	SPK: -8
7291-22-7	Pyridine-d5	0.34	U	20-120		0	SPK: -40
4165-62-2	Phenol-d5	0	U	10-130		0	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	0	U	10-150		0	SPK: -40
93951-73-6	2-Chlorophenol-d4	0	U	15-120		0	SPK: -40
190780-66-6	4-Methylphenol-d8	0	U	10-140		0	SPK: -40
4165-60-0	Nitrobenzene-d5	0	U	10-135		0	SPK: -40
93951-78-1	2-Nitrophenol-d4	0	U	10-120		0	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	0	U	10-140		0	SPK: -40
191656-33-4	4-Chloroaniline-d4	0	U	1-145		0	SPK: -40
85448-30-2	Dimethylphthalate-d6	0	U	10-145		0	SPK: -40
93951-97-4	Acenaphthylene-d8	0	U	15-120		0	SPK: -40
93951-79-2	4-Nitrophenol-d4	0	U	10-150		0	SPK: -40
81103-79-9	Fluorene-d10	0	U	20-140		0	SPK: -40

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Report of Analysis

Client:				Date Collected:	12/20/2024 12:00:00 AM
Project:				Date Received:	12/20/2024 12:00:00 AM
Client Sample ID:	SVOC-GPC2-BLANK			SDG No.:	BG123124
Lab Sample ID:	P5394-10			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	10	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG063917.D	1	12/30/2024 12:00:00 AM	12/31/2024 12:00:00 AM	PB165913

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	0	U	10-130		0	SPK: -40
1719-06-8	Anthracene-d10	0	U	10-150		0	SPK: -40
1718-52-1	Pyrene-d10	0	U	10-130		0	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	0	U	10-140		0	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	57403	7.797				
1146-65-2	Naphthalene-d8	215925	10.582				
15067-26-2	Acenaphthene-d10	149238	14.436				
1517-22-2	Phenanthrene-d10	358336	17.197				
1719-03-5	Chrysene-d12	450983	21.451				
1520-96-3	Perylene-d12	469321	24.471				
TENTATIVE IDENTIFIED COMPOUNDS							
E966796	Total Alkanes	78	U			99	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: BG123124

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**SVOC-GPC2-BLANK**							
P5394-10	SVOC-GPC2-BLANK	Solid	Total Alkanes	*	0.000	78	510	ug/Kg
			Total Tics :			**0.00**		
			Total Concentration:			**0.00**		

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 13:23

LAB FILE ID: RRFAL1 = BG063651.D RRFAL2 = BG063652.D RRFAL3 = BG063653.D
RRFAL4 = BG063654.D RRFAL5 = BG063655.D RRFAL6 = BG063656.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.567	0.593	0.689	0.576	0.596		0.604	8.1
Benzaldehyde		1.337	1.446	1.195	0.907	0.764	1.130	25.4
Pyridine		1.604	1.815	1.707	1.876	1.620	1.724	6.9
Hexachloroethane	0.587	0.609	0.627	0.590	0.553		0.593	4.7
Nitrobenzene	0.424	0.448	0.521	0.504	0.488		0.477	8.4
Isophorone	0.875	0.868	0.989	0.918	0.853		0.901	6.1
2-Nitrophenol	0.139	0.151	0.183	0.180	0.170		0.165	11.6
2,4-Dimethylphenol	0.352	0.361	0.404	0.384	0.365		0.373	5.5
Bis(2-Chloroethoxy)methane	0.467	0.476	0.531	0.494	0.469		0.487	5.5
2,4-Dichlorophenol	0.269	0.299	0.342	0.319	0.311		0.308	8.7
Naphthalene	0.957	1.007	1.105	1.008	0.923		1.000	6.9
4-Chloroaniline		0.347	0.423	0.390	0.372	0.341	0.374	9.0
Hexachlorobutadiene	0.234	0.242	0.271	0.253	0.250		0.250	5.5
Phenol		1.813	2.129	2.027	1.934	1.913	1.963	6.1
Caprolactam		0.099	0.119	0.110	0.101	0.104	0.106	7.7
4-Chloro-3-methylphenol	0.342	0.349	0.383	0.376	0.358		0.362	4.8
1-Methylnaphthalene	0.708	0.740	0.797	0.745	0.671		0.732	6.4
2-Methylnaphthalene	0.729	0.703	0.783	0.716	0.662		0.719	6.1
Hexachlorocyclopentadiene		0.151	0.230	0.265	0.297	0.322	0.253	26.4
2,4,6-Trichlorophenol	0.328	0.348	0.392	0.373	0.368		0.362	6.8
2,4,5-Trichlorophenol	0.345	0.352	0.398	0.410	0.384		0.378	7.5
1,1-Biphenyl	1.269	1.316	1.449	1.343	1.217		1.319	6.6
2-Chloronaphthalene	1.014	1.040	1.167	1.084	0.992		1.059	6.5
2-Nitroaniline	0.306	0.319	0.371	0.391	0.387		0.355	11.1
Bis(2-Chloroethyl)ether		1.454	1.662	1.509	1.473	1.413	1.502	6.4
Dimethylphthalate	1.341	1.334	1.504	1.396	1.245		1.364	7.0
2,6-Dinitrotoluene	0.217	0.238	0.277	0.269	0.265		0.253	9.9
Acenaphthylene	1.652	1.643	1.868	1.677	1.477		1.663	8.3
3-Nitroaniline		0.221	0.250	0.240	0.228	0.232	0.234	4.7
Acenaphthene	1.155	1.191	1.295	1.175	1.079		1.179	6.6
2,4-Dinitrophenol		0.074	0.104	0.128	0.162	0.179	0.129	32.8
4-Nitrophenol		0.151	0.194	0.213	0.216	0.228	0.200	15.0
Dibenzofuran	1.605	1.682	1.847	1.695	1.482		1.662	8.0
2,4-Dinitrotoluene	0.334	0.346	0.411	0.406	0.384		0.376	9.3
Diethylphthalate	1.290	1.289	1.462	1.338	1.214		1.319	7.0
2-Chlorophenol	0.995	1.193	1.372	1.249	1.227		1.207	11.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 13:23

LAB FILE ID: RRFAL1 = BG063651.D RRFAL2 = BG063652.D RRFAL3 = BG063653.D
RRFAL4 = BG063654.D RRFAL5 = BG063655.D RRFAL6 = BG063656.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.338	1.354	1.472	1.310	1.163		1.327	8.3
4-Chlorophenyl-phenylether	0.737	0.741	0.814	0.743	0.663		0.739	7.2
4-Nitroaniline		0.208	0.267	0.248	0.224	0.226	0.234	9.8
4,6-Dinitro-2-methylphenol		0.087	0.106	0.112	0.115	0.115	0.107	11.1
N-Nitrosodiphenylamine	0.451	0.488	0.533	0.486	0.463		0.484	6.5
1,2,4,5-Tetrachlorobenzene	0.604	0.627	0.694	0.654	0.623		0.640	5.4
4-Bromophenyl-phenylether	0.187	0.198	0.227	0.207	0.200		0.204	7.4
Hexachlorobenzene	0.223	0.230	0.249	0.221	0.219		0.228	5.4
Atrazine		0.201	0.225	0.213	0.199	0.186	0.205	7.2
Pentachlorophenol		0.071	0.090	0.097	0.108	0.115	0.096	17.8
2-Methylphenol		1.316	1.568	1.465	1.384	1.361	1.419	7.0
Phenanthrene	0.964	0.985	1.066	0.970	0.834		0.964	8.6
Pentachlorobenzene	0.247	0.261	0.288	0.266	0.260		0.264	5.7
Anthracene	0.958	0.994	1.104	0.987	0.835		0.975	9.9
1,2,3,4-Tetrachlorobenzene	0.235	0.264	0.293	0.271	0.271		0.267	7.8
Carbazole		0.822	0.925	0.848	0.754	0.599	0.790	15.6
Di-n-butylphthalate	0.957	0.964	1.072	0.956	0.820		0.954	9.4
Fluoranthene	1.179	1.254	1.324	1.190	0.967		1.183	11.3
Pyrene	1.265	1.339	1.449	1.252	0.987		1.259	13.6
Butylbenzylphthalate	0.382	0.370	0.415	0.390	0.375		0.386	4.5
3,3-Dichlorobenzidine		0.365	0.405	0.371	0.355	0.309	0.361	9.6
2,2-oxybis(1-Chloropropane)		2.203	2.500	2.268	2.137	2.040	2.230	7.8
Benzo(a)anthracene	1.254	1.274	1.415	1.251	1.073		1.253	9.7
Chrysene	1.228	1.201	1.351	1.189	1.004		1.195	10.4
Bis(2-ethylhexyl)phthalate	0.563	0.550	0.617	0.559	0.521		0.562	6.3
Di-n-octyl phthalate		0.914	0.987	0.912	0.826	0.677	0.863	13.8
Benzo(b)fluoranthene	1.064	1.121	1.270	1.150	1.079		1.137	7.2
Benzo(k)fluoranthene	1.090	1.149	1.279	1.148	1.003		1.134	8.9
Benzo(a)pyrene	0.989	1.046	1.199	1.094	1.007		1.067	7.9
Indeno(1,2,3-cd)pyrene	1.193	1.272	1.436	1.325	1.290		1.303	6.8
Dibenzo(a,h)anthracene	0.930	1.020	1.169	1.066	1.028		1.043	8.3
Benzo(g,h,i)perylene	0.977	1.012	1.133	1.041	1.007		1.034	5.8
Acetophenone		2.390	2.742	2.504	2.332	2.160	2.426	8.9
2,3,4,6-Tetrachlorophenol	0.275	0.320	0.346	0.348	0.339		0.326	9.2
1,4-Dioxane-d8	0.446	0.484	0.598	0.481	0.543		0.510	11.8
Pyridine-d5		1.381	1.735	1.588	1.794	1.553	1.610	10.1

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG121124 SAS No.: BG121124 SDG No.: BG121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 13:23

LAB FILE ID: RRFAL1 = BG063651.D RRFAL2 = BG063652.D RRFAL3 = BG063653.D
RRFAL4 = BG063654.D RRFAL5 = BG063655.D RRFAL6 = BG063656.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.679	2.009	1.888	1.812	1.823	1.842	6.5
Bis-(2-Chloroethyl)ether-d8		1.201	1.404	1.260	1.261	1.236	1.272	6.1
2-Chlorophenol-d4	1.063	1.162	1.331	1.232	1.175		1.193	8.2
4-Methylphenol-d8		1.365	1.553	1.475	1.372	1.386	1.430	5.7
Nitrobenzene-d5	0.125	0.139	0.153	0.149	0.148		0.143	7.7
2-Nitrophenol-d4	0.149	0.145	0.169	0.171	0.168		0.160	7.6
2,4-Dichlorophenol-d3	0.275	0.296	0.343	0.324	0.312		0.310	8.4
4-Chloroaniline-d4		0.377	0.422	0.414	0.391	0.364	0.394	6.2
4-Methylphenol		1.415	1.728	1.625	1.514	1.482	1.553	8.0
Dimethylphthalate-d6	1.331	1.366	1.489	1.367	1.251		1.361	6.3
Acenaphthylene-d8	1.521	1.520	1.726	1.572	1.418		1.551	7.2
4-Nitrophenol-d4		0.145	0.195	0.204	0.207	0.213	0.193	14.4
Fluorene-d10	1.172	1.190	1.335	1.215	1.104		1.203	7.0
4,6-Dinitro-2-methylphenol-		0.088	0.099	0.107	0.111	0.113	0.104	9.9
Anthracene-d10	0.869	0.871	0.938	0.848	0.773		0.860	6.9
Pyrene-d10	1.011	1.102	1.159	1.044	0.887		1.041	9.9
Benzo(a)pyrene-d12	0.866	0.913	1.046	0.956	0.916		0.939	7.2
N-Nitroso-di-n-propylamine	1.342	1.371	1.614	1.522	1.388		1.447	8.0

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

EPA Sample No.: SSTD020433 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 10:50

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	134078	7.812	591107	10.60	436199	14.45
	UPPER LIMIT	268156	8.312	1182214	11.103	872398	14.951
	LOWER LIMIT	67039	7.312	295553.5	10.103	218099.5	13.951
	EPA SAMPLE NO.						
01	SBLK853	62997 *	7.79	246053 *	10.58	164441 *	14.44
02	SVOC-GPC2-BLANK	57403 *	7.80	215925 *	10.58	149238 *	14.44

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.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

EPA Sample No.: SSTD020590 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BG063915.D Time Analyzed: 10:50

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	71358	7.793	283124	10.58	189907	14.44
	UPPER LIMIT	142716	8.293	566248	11.084	379814	14.938
	LOWER LIMIT	35679	7.293	141562	10.084	94953.5	13.938
	EPA SAMPLE NO.						
01	SBLK853	62997	7.79	246053	10.58	164441	14.44
02	SVOC-GPC2-BLANK	57403	7.80	215925	10.58	149238	14.44

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

EPA Sample No.: SSTD020433 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BG063653.D Time Analyzed: 10:50

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

		IS4 (PHN) AREA #		RT #	IS5 (CRY) AREA #		RT #	IS6 (PRY) AREA #		RT #
	12 HOUR STD	1.04718e+0(		17.207	1.05243e+		21.461	1.14487e+0(		24.481
	UPPER LIMIT	2094360		17.707	2104860		21.961	2289740		24.981
	LOWER LIMIT	523590		16.707	526215		20.961	572435		23.981
	EPA SAMPLE NO.									
01	SBLK853	395984	*	17.19	463273	*	21.45	486569	*	24.47
02	SVOC-GPC2-BLANK	358336	*	17.20	450983	*	21.45	469321	*	24.47

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

EPA Sample No.: SSTD020590 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BG063915.D Time Analyzed: 10:50

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	447856	17.194	527679	21.448	548626	24.468
	UPPER LIMIT	895712	17.694	1055358	21.948	1097252	24.968
	LOWER LIMIT	223928	16.694	263839.5	20.948	274313	23.968
	EPA SAMPLE NO.						
01	SBLK853	395984	17.19	463273	21.45	486569	24.47
02	SVOC-GPC2-BLANK	358336	17.20	450983	21.45	469321	24.47

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.

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK853

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

Lab File ID: BG063916.D Lab Sample ID: PB165853BL

Instrument ID: BNA_G Date Extracted: 12/26/2024

Matrix: (soil/water) Solid Date Analyzed: 12/31/2024

Level: (low/med) LOW Time Analyzed: 10:50

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SVOC-GPC2-BLANK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG123124 SAS No.: BG123124 SDG NO.: BG123124

Lab File ID: BG063917.D Lab Sample ID: P5394-10

Instrument ID: BNA_G Date Extracted: 12/30/2024

Matrix: (soil/water) Solid Date Analyzed: 12/31/2024

Level: (low/med) LOW Time Analyzed: 11:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SVOC-GPC2-BLANK	P5394-10	BG063917.D	12/31/2024

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BG123124

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB165853BL	PB165853BL	BG063916.D	1,4-Dioxane-d8	8	5.50	69		15	120
			Pyridine-d5	40	25.44	64		20	120
			Phenol-d5	40	22.54	56		10	130
			Bis(2-Chloroethyl)ether-d8	40	22.80	57		10	150
			2-Chlorophenol-d4	40	22.93	57		15	120
			4-Methylphenol-d8	40	21.34	53		10	140
			Nitrobenzene-d5	40	24.12	60		10	135
			2-Nitrophenol-d4	40	23.74	59		10	120
			2,4-Dichlorophenol-d3	40	22.82	57		10	140
			4-Chloroaniline-d4	40	21.81	55		1	145
			Dimethylphthalate-d6	40	24.41	61		10	145
			Acenaphthylene-d8	40	25.58	64		15	120
			4-Nitrophenol-d4	40	19.03	48		10	150
			Fluorene-d10	40	23.94	60		20	140
			4,6-Dinitro-2-methylphenol-d2	40	8.38	21		10	130
			Anthracene-d10	40	24.46	61		10	150
			Pyrene-d10	40	22.57	56		10	130
			Benzo(a)pyrene-d12	40	24.36	61		10	140

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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG123124

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P5394-10	SVOC-GPC2-BLA	BG063917.D	1,4-Dioxane-d8	8	0.00	0	*	15	120
			Pyridine-d5	40	0.00	0	*	20	120
			Phenol-d5	40	0.00	0	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	0.00	0	*	10	150
			2-Chlorophenol-d4	40	0.00	0	*	15	120
			4-Methylphenol-d8	40	0.00	0	*	10	140
			Nitrobenzene-d5	40	0.00	0	*	10	135
			2-Nitrophenol-d4	40	0.00	0	*	10	120
			2,4-Dichlorophenol-d3	40	0.00	0	*	10	140
			4-Chloroaniline-d4	40	0.00	0	*	1	145
			Dimethylphthalate-d6	40	0.00	0	*	10	145
			Acenaphthylene-d8	40	0.00	0	*	15	120
			4-Nitrophenol-d4	40	0.00	0	*	10	150
			Fluorene-d10	40	0.00	0	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	0.00	0	*	10	130
			Anthracene-d10	40	0.00	0	*	10	150
			Pyrene-d10	40	0.00	0	*	10	130
			Benzo(a)pyrene-d12	40	0.00	0	*	10	140

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG123124

Lab Code: CHEM SAS No.: BG123124 SDG NO.: BG123124

Lab File ID: BG063914.D DFTPP Injection Date: 12/31/2024

Instrument ID: BNA_G DFTPP Injection Time: 09:28

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.5
68	Less than 2.0% of mass 69	0.3 (0.7) 1
69	Mass 69 relative abundance	44.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	38.6
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	11.8
442	Greater than 50% of mass 198	73.6
443	15.0 - 24.0% of mass 442	13.4 (18.2) 2

1-Value is % mass 69 2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD020590	SSTDCCC020	BG063915.D	12/31/2024	10:06
SBLK853	PB165853BL	BG063916.D	12/31/2024	10:50
SVOC-GPC2-BLANK	P5394-10	BG063917.D	12/31/2024	11:28
SSTD020591	SSTDCCC020EC	BG063918.D	12/31/2024	12:33