CHEMTECH

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG No.: BG030824

Instrument ID: BNA_G Calibration Date/Time: 3/8/2024 12: 15:16

Lab File ID: BG060601.D Init. Calib. Date(s):

EPA Sample No.: SICV412 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.562	0.531	0.010	-5.52	40.0
Benzaldehyde	0.977	1.332	0.010	36.341	40.0
Pyridine	1.681	1.432	0.010	-14.8311	40.0
Phenol	2.085	2.045	0.080	-1.9567	20.0
Bis(2-Chloroethyl)ether	1.656	1.579	0.100	-4.6506	20.0
2-Chlorophenol	1.509	1.495	0.200	-0.9206	20.0
2-Methylphenol	1.625	1.606	0.010	-1.1294	20.0
2,2-oxybis(1-Chloropropane)	3.349	3.094	0.010	-7.6339	40.0
Acetophenone	2.731	2.810	0.060	2.8949	20.0
4-Methylphenol	1.769	1.793	0.010	1.3205	20.0
N-Nitroso-di-n-propylamine	1.339	1.424	0.050	6.3425	30.0
Hexachloroethane	0.591	0.594	0.100	0.4842	20.0
Nitrobenzene	0.356	0.388	0.050	8.8806	25.0
Isophorone	0.846	0.860	0.050	1.5795	25.0
2-Nitrophenol	0.145	0.162	0.050	11.8567	25.0
2,4-Dimethylphenol	0.393	0.330	0.050	-16.0262	25.0
Bis(2-Chloroethoxy)methane	0.492	0.490	0.050	-0.4199	20.0
2,4-Dichlorophenol	0.323	0.340	0.060	5.1888	20.0
Naphthalene	1.182	1.168	0.200	-1.2165	20.0
4-Chloroaniline	0.491	0.504	0.010	2.6645	40.0
Hexachlorobutadiene	0.239	0.233	0.040	-2.7527	30.0
Caprolactam	0.111	0.116	0.010	4.6652	40.0
4-Chloro-3-methylphenol	0.388	0.415	0.040	7.0409	25.0
1-Methylnaphthalene	0.778	0.767	0.100	-1.3978	20.0
2-Methylnaphthalene	0.777	0.771	0.100	-0.7496	20.0
Hexachlorocyclopentadiene	0.401	0.302	0.010	-24.785	40.0
2,4,6-Trichlorophenol	0.410	0.410	0.090	0.0477	25.0
2,4,5-Trichlorophenol	0.437	0.440	0.100	0.6422	25.0
1,1-Biphenyl	1.606	1.618	0.200	0.7481	20.0
2-Chloronaphthalene	1.274	1.216	0.300	-4.5681	20.0
2-Nitroaniline	0.348	0.378	0.050	8.6018	40.0
Dimethylphthalate	1.614	1.563	0.300	-3.1783	20.0
2,6-Dinitrotoluene	0.232	0.288	0.080	24.2527	30.0
Acenaphthylene	2.122	2.070	0.400	-2.474	20.0
3-Nitroaniline	0.273	0.319	0.010	16.8646	40.0
Acenaphthene	1.409	1.331	0.200	-5.515	20.0
2,4-Dinitrophenol	0.118	0.103	0.010	-12.5301	40.0
4-Nitrophenol	0.231	0.223	0.010	-3.3116	40.0
Dibenzofuran	1.891	1.871	0.300	-1.0512	20.0
2,4-Dinitrotoluene	0.315	0.367	0.070	16.4093	30.0
Diethylphthalate	1.646	1.578	0.300	-4.1552	20.0

CHEMTECH

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG No.: BG030824

Instrument ID: BNA_G Calibration Date/Time: 3/8/2024 12: 15:16

Lab File ID: BG060601.D Init. Calib. Date(s):

EPA Sample No.: SICV412 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Fluorene	1.566	1.534	0.200	-2.0707	20.0
4-Chlorophenyl-phenylether	0.784	0.758	0.100	-3.4296	20.0
4-Nitroaniline	0.272	0.322	0.010	18.3894	40.0
4,6-Dinitro-2-methylphenol	0.090	0.083	0.010	-7.4246	40.0
N-Nitrosodiphenylamine	0.639	0.646	0.050	1.0923	20.0
1,2,4,5-Tetrachlorobenzene	0.658	0.660	0.100	0.2975	20.0
4-Bromophenyl-phenylether	0.230	0.230	0.070	0.169	20.0
Hexachlorobenzene	0.275	0.271	0.050	-1.5802	25.0
Atrazine	0.217	0.218	0.010	0.9135	25.0
Pentachlorophenol	0.151	0.127	0.010	-16.0989	40.0
Phenanthrene	1.148	1.140	0.200	-0.6631	20.0
Pentachlorobenzene	0.308	0.308	0.050	0.1697	20.0
Anthracene	1.169	1.149	0.200	-1.7244	20.0
1,2,3,4-Tetrachlorobenzene	0.299	0.305	0.050	2.1935	20.0
Carbazole	1.002	1.000	0.050	-0.249	40.0
Di-n-butylphthalate	1.224	1.240	0.500	1.2799	25.0
Fluoranthene	1.430	1.435	0.400	0.3869	25.0
Pyrene	1.498	1.525	0.400	1.8565	25.0
Butylbenzylphthalate	0.551	0.557	0.100	1.049	40.0
3,3-Dichlorobenzidine	0.457	0.518	0.010	13.3404	40.0
Benzo(a)anthracene	1.485	1.434	0.300	-3.4499	30.0
Chrysene	1.414	1.367	0.200	-3.3607	30.0
Bis(2-ethylhexyl)phthalate	0.818	0.829	0.200	1.2615	40.0
Di-n-octyl phthalate	1.244	1.250	0.010	0.5355	40.0
Benzo(b)fluoranthene	1.216	1.199	0.200	-1.3776	25.0
Benzo(k)fluoranthene	1.269	1.218	0.200	-4.0336	25.0
Benzo(a)pyrene	1.179	1.074	0.200	-8.9262	20.0
Indeno(1,2,3-cd)pyrene	1.456	1.430	0.200	-1.827	25.0
Dibenzo(a,h)anthracene	1.190	1.193	0.200	0.2614	30.0
Benzo(g,h,i)perylene	1.169	1.114	0.200	-4.7625	30.0
2,3,4,6-Tetrachlorophenol	0.372	0.415	0.040	11.3162	20.0
1,4-Dioxane-d8	0.530	0.479	0.010	-9.6112	25.0
Pyridine-d5	1.658	1.710	0.010	3.1762	40.0
Phenol-d5	2.061	2.190	0.010	6.2555	25.0
Bis-(2-Chloroethyl)ether-d8	1.336	1.541	0.050	15.3355	25.0
2-Chlorophenol-d4	1.441	1.593	0.200	10.5461	20.0
4-Methylphenol-d8	1.600	1.769	0.010	10.515	20.0
Nitrobenzene-d5	0.128	0.155	0.050	21.2723	20.0
2-Nitrophenol-d4	0.126	0.158	0.050	25.5717	30.0
2,4-Dichlorophenol-d3	0.324	0.368	0.060	13.8503	20.0
4-Chloroaniline-d4	0.503	0.562	0.010	11.673	40.0

CHEMTECH

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

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Instrument ID: BNA_G Calibration Date/Time: 3/8/2024 12: 15:16

Lab File ID: BG060601.D Init. Calib. Date(s):

EPA Sample No.: SICV412 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.586	1.720	0.300	8.4615	20.0
Acenaphthylene-d8	1.857	1.989	0.400	7.15	20.0
4-Nitrophenol-d4	0.239	0.254	0.010	6.469	40.0
Fluorene-d10	1.393	1.486	0.100	6.678	20.0
4,6-Dinitro-2-methylphenol-d2	0.081	0.080	0.010	-1.077	40.0
Anthracene-d10	0.983	1.088	0.300	10.6708	20.0
Pyrene-d10	1.205	1.353	0.300	12.2912	25.0
Benzo(a)pyrene-d12	1.035	1.162	0.010	12.3124	20.0

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

Report of Analysis

Client:		Date Collected:	
Project:		Date Received:	
Client Sample ID:		SDG No.:	
Lab Sample ID:		Matrix:	
Analytical Method:			
Sample Wt/Vol:	Units:	Final Vol:	
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID

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

CHEMTECH

Hit Summary Sheet
SW-846

SDG No.: BG030824

Client:

Sample ID	Client ID	Parameter	Concentration	C	MDL	RDL	Units
Client ID :							

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG No.: BG030824

Instrument ID: Calibration Date(s): 3/8/2024 1:

Calibration Time(s): 11:14

LAB FILE ID: RRFAL1 = BG060595.D RRFAL2 = BG060596.D RRFAL3 = BG060597.D
RRFAL4 = BG060598.D RRFAL5 = BG060599.D RRFAL6 = BG060600.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.437	0.599	0.585	0.613	0.575		0.562	12.7
Benzaldehyde		1.017	1.191	1.096	0.860	0.719	0.977	19.3
Pyridine		1.445	1.691	1.766	1.752	1.753	1.681	8.0
Hexachloroethane	0.532	0.539	0.583	0.650	0.651		0.591	9.8
Nitrobenzene	0.275	0.304	0.360	0.411	0.431		0.356	18.8
Isophorone	0.753	0.817	0.862	0.910	0.890		0.846	7.4
2-Nitrophenol	0.101	0.125	0.144	0.176	0.179		0.145	23.0
2,4-Dimethylphenol	0.350	0.370	0.390	0.434	0.421		0.393	8.9
Bis(2-Chloroethoxy)methane	0.460	0.481	0.492	0.513	0.516		0.492	4.7
2,4-Dichlorophenol	0.284	0.306	0.329	0.349	0.348		0.323	8.7
Naphthalene	1.133	1.143	1.174	1.242	1.221		1.182	4.0
4-Chloroaniline		0.480	0.491	0.516	0.486	0.483	0.491	3.0
Hexachlorobutadiene	0.224	0.230	0.239	0.250	0.253		0.239	5.3
Phenol		1.858	1.987	2.214	2.194	2.173	2.085	7.5
Caprolactam		0.105	0.107	0.117	0.112	0.113	0.111	4.2
4-Chloro-3-methylphenol	0.354	0.364	0.393	0.416	0.413		0.388	7.2
1-Methylnaphthalene	0.747	0.777	0.778	0.813	0.776		0.778	3.0
2-Methylnaphthalene	0.732	0.768	0.783	0.812	0.789		0.777	3.8
Hexachlorocyclopentadiene		0.326	0.356	0.422	0.454	0.445	0.401	14.1
2,4,6-Trichlorophenol	0.352	0.378	0.400	0.455	0.465		0.410	11.9
2,4,5-Trichlorophenol	0.384	0.385	0.434	0.492	0.491		0.437	12.3
1,1-Biphenyl	1.544	1.556	1.558	1.698	1.672		1.606	4.6
2-Chloronaphthalene	1.205	1.227	1.254	1.340	1.347		1.274	5.1
2-Nitroaniline	0.251	0.287	0.337	0.422	0.443		0.348	23.9
Bis(2-Chloroethyl)ether		1.502	1.640	1.737	1.731	1.671	1.656	5.8
Dimethylphthalate	1.553	1.576	1.588	1.710	1.641		1.614	3.9
2,6-Dinitrotoluene	0.161	0.187	0.229	0.279	0.304		0.232	25.9
Acenaphthylene	2.020	2.101	2.086	2.258	2.146		2.122	4.2
3-Nitroaniline		0.230	0.255	0.293	0.286	0.302	0.273	10.9
Acenaphthene	1.380	1.388	1.380	1.464	1.432		1.409	2.7
2,4-Dinitrophenol		0.066	0.085	0.122	0.144	0.172	0.118	36.6
4-Nitrophenol		0.185	0.210	0.254	0.246	0.260	0.231	14.0
Dibenzofuran	1.865	1.860	1.857	1.965	1.906		1.891	2.4
2,4-Dinitrotoluene	0.222	0.246	0.316	0.388	0.403		0.315	25.8
Diethylphthalate	1.601	1.617	1.607	1.737	1.668		1.646	3.5
2-Chlorophenol	1.325	1.380	1.519	1.657	1.662		1.509	10.3

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.: BG030824 SAS No.: BG030824 SDG No.: BG030824

Instrument ID: Calibration Date(s): 3/8/2024 1:

Calibration Time(s): 11:14

LAB FILE ID: RRFAL1 = BG060595.D RRFAL2 = BG060596.D RRFAL3 = BG060597.D
RRFAL4 = BG060598.D RRFAL5 = BG060599.D RRFAL6 = BG060600.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.543	1.575	1.539	1.619	1.556		1.566	2.1
4-Chlorophenyl-phenylether	0.764	0.776	0.767	0.826	0.790		0.784	3.2
4-Nitroaniline		0.224	0.262	0.294	0.281	0.299	0.272	11.2
4,6-Dinitro-2-methylphenol		0.057	0.076	0.098	0.105	0.112	0.090	25.3
N-Nitrosodiphenylamine	0.590	0.623	0.653	0.681	0.649		0.639	5.4
1,2,4,5-Tetrachlorobenzene	0.617	0.627	0.639	0.701	0.707		0.658	6.5
4-Bromophenyl-phenylether	0.202	0.221	0.234	0.250	0.243		0.230	8.2
Hexachlorobenzene	0.252	0.266	0.281	0.294	0.281		0.275	5.8
Atrazine		0.211	0.229	0.234	0.211	0.197	0.217	7.1
Pentachlorophenol		0.105	0.133	0.165	0.174	0.180	0.151	20.9
2-Methylphenol		1.441	1.561	1.711	1.711	1.700	1.625	7.4
Phenanthrene	1.099	1.147	1.166	1.206	1.122		1.148	3.6
Pentachlorobenzene	0.290	0.295	0.305	0.323	0.325		0.308	5.2
Anthracene	1.086	1.158	1.192	1.251	1.158		1.169	5.1
1,2,3,4-Tetrachlorobenzene	0.263	0.284	0.299	0.319	0.329		0.299	8.9
Carbazole		1.004	1.026	1.075	0.997	0.911	1.002	6.0
Di-n-butylphthalate	1.042	1.210	1.281	1.355	1.233		1.224	9.5
Fluoranthene	1.340	1.397	1.482	1.525	1.405		1.430	5.1
Pyrene	1.418	1.488	1.545	1.574	1.462		1.498	4.2
Butylbenzylphthalate	0.441	0.518	0.562	0.619	0.614		0.551	13.4
3,3-Dichlorobenzidine		0.435	0.477	0.506	0.455	0.414	0.457	7.9
2,2-oxybis(1-Chloropropane)		3.061	3.273	3.525	3.517	3.371	3.349	5.8
Benzo(a)anthracene	1.387	1.440	1.509	1.587	1.503		1.485	5.1
Chrysene	1.337	1.395	1.419	1.497	1.422		1.414	4.1
Bis(2-ethylhexyl)phthalate	0.692	0.748	0.847	0.912	0.893		0.818	11.6
Di-n-octyl phthalate		1.096	1.210	1.369	1.359	1.184	1.244	9.5
Benzo(b)fluoranthene	1.083	1.141	1.203	1.340	1.311		1.216	9.0
Benzo(k)fluoranthene	1.159	1.233	1.268	1.360	1.326		1.269	6.2
Benzo(a)pyrene	1.068	1.117	1.175	1.273	1.264		1.179	7.6
Indeno(1,2,3-cd)pyrene	1.267	1.344	1.450	1.607	1.614		1.456	10.6
Dibenzo(a,h)anthracene	1.040	1.081	1.187	1.299	1.345		1.190	11.1
Benzo(g,h,i)perylene	1.038	1.098	1.142	1.280	1.288		1.169	9.5
Acetophenone		2.496	2.710	2.893	2.837	2.716	2.731	5.6
2,3,4,6-Tetrachlorophenol	0.312	0.347	0.372	0.418	0.413		0.372	12.1
1,4-Dioxane-d8	0.488	0.541	0.510	0.579	0.531		0.530	6.5
Pyridine-d5		1.446	1.641	1.780	1.708	1.714	1.658	7.7

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.: BG030824 SAS No.: BG030824 SDG No.: BG030824

Instrument ID: Calibration Date(s): 3/8/2024 1:

Calibration Time(s): 11:14

LAB FILE ID: RRFAL1 = BG060595.D RRFAL2 = BG060596.D RRFAL3 = BG060597.D
RRFAL4 = BG060598.D RRFAL5 = BG060599.D RRFAL6 = BG060600.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.803	1.962	2.157	2.188	2.195	2.061	8.4
Bis-(2-Chloroethyl)ether-d8		1.236	1.344	1.391	1.366	1.344	1.336	4.4
2-Chlorophenol-d4	1.273	1.295	1.457	1.571	1.609		1.441	10.7
4-Methylphenol-d8		1.382	1.532	1.695	1.705	1.688	1.600	8.8
Nitrobenzene-d5	0.092	0.107	0.129	0.150	0.160		0.128	22.3
2-Nitrophenol-d4	0.088	0.104	0.123	0.154	0.159		0.126	24.5
2,4-Dichlorophenol-d3	0.283	0.307	0.322	0.354	0.352		0.324	9.3
4-Chloroaniline-d4		0.489	0.492	0.529	0.506	0.500	0.503	3.2
4-Methylphenol		1.560	1.690	1.857	1.866	1.874	1.769	7.9
Dimethylphthalate-d6	1.478	1.558	1.575	1.686	1.631		1.586	5.0
Acenaphthylene-d8	1.733	1.832	1.833	1.967	1.918		1.857	4.9
4-Nitrophenol-d4		0.189	0.219	0.260	0.255	0.271	0.239	14.2
Fluorene-d10	1.381	1.361	1.354	1.461	1.410		1.393	3.1
4,6-Dinitro-2-methylphenol-		0.054	0.068	0.087	0.095	0.102	0.081	24.7
Anthracene-d10	0.904	0.961	0.994	1.058	0.998		0.983	5.7
Pyrene-d10	1.095	1.198	1.234	1.283	1.215		1.205	5.8
Benzo(a)pyrene-d12	0.912	0.964	1.027	1.132	1.138		1.035	9.7
N-Nitroso-di-n-propylamine	1.162	1.242	1.376	1.460	1.454		1.339	9.9

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG NO.: BG030824

EPA Sample No.: SSTD020408 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BG060597.D Time Analyzed: 15:16

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	81414	8.326	388502	11.17	265929	14.95
	UPPER LIMIT	162828	8.826	777004	11.67	531858	15.448
	LOWER LIMIT	40707	7.826	194251	10.67	132964.5	14.448
	EPA SAMPLE NO.						
01	SICV412	75166	8.32	363830	11.17	253879	14.95

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.

CHEMTECH

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG NO.: BG030824

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG NO.: BG030824

EPA Sample No.: SSTD020408 Date Analyzed: Mar 8 2024 12:00AM

Lab File ID: BG060597.D Time Analyzed: 15:16

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	553862	17.697	491668	22.022	558295	25.576
	UPPER LIMIT	1107724	18.197	983336	22.522	1116590	26.076
	LOWER LIMIT	276931	17.197	245834	21.522	279147.5	25.076
	EPA SAMPLE NO.						
01	SICV412	533136	17.69	465881	22.02	516284	25.57

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.

CHEMTECH

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG NO.: BG030824

EPA Sample No.: _____ Date Analyzed: _____

Lab File ID: _____ Time Analyzed: _____

Instrument ID: _____ GC Column: _____ ID: _____ (mm)

	IS4 AREA #	RT #	IS5 AREA #	RT #	IS6 AREA #	RT #
12 HOUR STD						
UPPER LIMIT						
LOWER LIMIT						
EPA SAMPLE NO.						

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.

CHEMTECH

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

SDG No.: BG030824

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
SSTDICV020	1,4-Dioxane	8	0	ug/L	0				0	0	
	Benzaldehyde	20	0	ug/L	0				0	0	
	Pyridine	20	0	ug/L	0				0	0	
	Phenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethyl)ether	20	0	ug/L	0				0	0	
	2-Chlorophenol	20	0	ug/L	0				0	0	
	2-Methylphenol	20	0	ug/L	0				0	0	
	2,2-oxybis(1-Chloropropane)	20	0	ug/L	0				0	0	
	Acetophenone	20	0	ug/L	0				0	0	
	4-Methylphenol	20	0	ug/L	0				0	0	
	N-Nitroso-di-n-propylamine	20	0	ug/L	0				0	0	
	Hexachloroethane	20	0	ug/L	0				0	0	
	Nitrobenzene	20	0	ug/L	0				0	0	
	Isophorone	20	0	ug/L	0				0	0	
	2-Nitrophenol	20	0	ug/L	0				0	0	
	2,4-Dimethylphenol	20	0	ug/L	0				0	0	
	Bis(2-chloroethoxy)methane	20	0	ug/L	0				0	0	
	2,4-Dichlorophenol	20	0	ug/L	0				0	0	
	Naphthalene	20	0	ug/L	0				0	0	
	4-Chloroaniline	20	0	ug/L	0				0	0	
	Hexachlorobutadiene	20	0	ug/L	0				0	0	
	Caprolactam	20	0	ug/L	0				0	0	
	4-Chloro-3-methylphenol	20	0	ug/L	0				0	0	
	1-Methylnaphthalene	20	0	ug/L	0				0	0	
	2-Methylnaphthalene	20	0	ug/L	0				0	0	
	Hexachlorocyclopentadiene	20	0	ug/L	0				0	0	
	2,4,6-Trichlorophenol	20	0	ug/L	0				0	0	
	2,4,5-Trichlorophenol	20	0	ug/L	0				0	0	
	1,1'-Biphenyl	20	0	ug/L	0				0	0	
	2-Chloronaphthalene	20	0	ug/L	0				0	0	
	2-Nitroaniline	20	0	ug/L	0				0	0	
	Dimethylphthalate	20	0	ug/L	0				0	0	
	2,6-Dinitrotoluene	20	0	ug/L	0				0	0	
	Acenaphthylene	20	0	ug/L	0				0	0	
	3-Nitroaniline	20	0	ug/L	0				0	0	
	Acenaphthene	20	0	ug/L	0				0	0	
	2,4-Dinitrophenol	20	0	ug/L	0				0	0	
	4-Nitrophenol	20	0	ug/L	0				0	0	
	Dibenzofuran	20	0	ug/L	0				0	0	
	2,4-Dinitrotoluene	20	0	ug/L	0				0	0	
	Diethylphthalate	20	0	ug/L	0				0	0	
	Fluorene	20	0	ug/L	0				0	0	
	4-Chlorophenyl-phenylether	20	0	ug/L	0				0	0	
	4-Nitroaniline	20	0	ug/L	0				0	0	
	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	

CHEMTECH

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

SDG No.: BG030824

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
SSTDICV020	1,2,4,5-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	4-Bromophenyl-phenylether	20	0	ug/L	0				0	0	
	Hexachlorobenzene	20	0	ug/L	0				0	0	
	Atrazine	20	0	ug/L	0				0	0	
	Pentachlorophenol	20	0	ug/L	0				0	0	
	Phenanthrene	20	0	ug/L	0				0	0	
	Pentachlorobenzene	20	0	ug/L	0				0	0	
	Anthracene	20	0	ug/L	0				0	0	
	1,2,3,4-Tetrachlorobenzene	20	0	ug/L	0				0	0	
	Carbazole	20	0	ug/L	0				0	0	
	Di-n-butylphthalate	20	0	ug/L	0				0	0	
	Fluoranthene	20	0	ug/L	0				0	0	
	Pyrene	20	0	ug/L	0				0	0	
	Butylbenzylphthalate	20	0	ug/L	0				0	0	
	3,3'-Dichlorobenzidine	20	0	ug/L	0				0	0	
	Benzo(a)anthracene	20	0	ug/L	0				0	0	
	Chrysene	20	0	ug/L	0				0	0	
	Bis(2-ethylhexyl)phthalate	20	0	ug/L	0				0	0	
	Di-n-octylphthalate	20	0	ug/L	0				0	0	
	Benzo(b)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(k)fluoranthene	20	0	ug/L	0				0	0	
	Benzo(a)pyrene	20	0	ug/L	0				0	0	
	Indeno(1,2,3-cd)pyrene	20	0	ug/L	0				0	0	
	Dibenzo(a,h)anthracene	20	0	ug/L	0				0	0	
	Benzo(g,h,i)perylene	20	0	ug/L	0				0	0	
	2,3,4,6-Tetrachlorophenol	20	0	ug/L	0				0	0	

CHEMTECH

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG030824 SAS No.: BG030824 SDG NO.: BG030824

Lab File ID: Lab Sample ID:

Instrument ID: Date Extracted:

Matrix: (soil/water) Date Analyzed:

Level: (low/med) Time Analyzed:

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

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

COMMENTS:

CHEMTECH

Surrogate Summary

SW-846

SDG No.: _____

Client: _____

Analytical Method:

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High

CHEMTECH

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG030824

Lab Code: CHEM SAS No.: BG030824 SDG NO.: BG030824

Lab File ID: BG060594.D DFTPP Injection Date: 03/08/2024

Instrument ID: BNA_G DFTPP Injection Time: 10:34

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.7
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	37.4
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	43.9
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	28.5
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	92.8
443	15.0 - 24.0% of mass 442	18.1 (19.5) 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
SSTD005406	SSTD00579	BG060595.D	03/08/2024	11:14
SSTD010407	SSTD01080	BG060596.D	03/08/2024	11:54
SSTD020408	SSTD02081	BG060597.D	03/08/2024	12:35
SSTD040409	SSTD04082	BG060598.D	03/08/2024	13:15
SSTD080410	SSTD08083	BG060599.D	03/08/2024	13:55
SSTD160411	SSTD16084	BG060600.D	03/08/2024	14:36
SICV412	SSTDICV020	BG060601.D	03/08/2024	15:16