CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: BNA_G Calibration Date/Time: 5/21/2024 12 15:20

Lab File ID: BG061255.D Init. Calib. Date(s):

EPA Sample No.: SICV419 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.382	0.402	0.010	5.0432	40.0
1,4-Dioxane	0.429	0.402	0.010	5.0432	40.0
Benzaldehyde	0.816	1.061	0.010	29.9899	40.0
Benzaldehyde	0.859	1.061	0.010	29.9899	40.0
Pyridine	1.187	1.013	0.010	-14.6594	40.0
Pyridine	1.258	1.013	0.010	-14.6594	40.0
Phenol	1.594	1.765	0.080	10.7683	20.0
Phenol	1.673	1.765	0.080	10.7683	20.0
Bis(2-Chloroethyl)ether	1.197	1.186	0.100	-0.9531	20.0
Bis(2-Chloroethyl)ether	1.224	1.186	0.100	-0.9531	20.0
2-Chlorophenol	1.257	1.236	0.200	-1.6887	20.0
2-Chlorophenol	1.285	1.236	0.200	-1.6887	20.0
2-Methylphenol	1.217	1.230	0.010	1.1239	20.0
2-Methylphenol	1.297	1.230	0.010	1.1239	20.0
2,2-oxybis(1-Chloropropane)	3.094	3.142	0.010	1.5575	40.0
2,2-oxybis(1-Chloropropane)	3.306	3.142	0.010	1.5575	40.0
Acetophenone	2.191	2.343	0.060	6.9354	20.0
Acetophenone	2.390	2.343	0.060	6.9354	20.0
4-Methylphenol	1.367	1.377	0.010	0.733	20.0
4-Methylphenol	1.437	1.377	0.010	0.733	20.0
N-Nitroso-di-n-propylamine	1.185	1.297	0.050	9.4808	30.0
N-Nitroso-di-n-propylamine	1.314	1.297	0.050	9.4808	30.0
Hexachloroethane	0.554	0.491	0.100	-11.3661	20.0
Hexachloroethane	0.572	0.491	0.100	-11.3661	20.0
Nitrobenzene	0.408	0.390	0.050	-4.4797	25.0
Nitrobenzene	0.422	0.390	0.050	-4.4797	25.0
Isophorone	0.809	0.798	0.050	-1.3431	25.0
Isophorone	0.859	0.798	0.050	-1.3431	25.0
2-Nitrophenol	0.190	0.189	0.050	-0.466	25.0
2-Nitrophenol	0.196	0.189	0.050	-0.466	25.0
2,4-Dimethylphenol	0.391	0.276	0.050	-28.8314	25.0
2,4-Dimethylphenol	0.388	0.276	0.050	-28.8314	25.0
Bis(2-Chloroethoxy)methane	0.424	0.401	0.050	-5.3531	20.0
Bis(2-Chloroethoxy)methane	0.431	0.401	0.050	-5.3531	20.0
2,4-Dichlorophenol	0.332	0.311	0.060	-3.9845	20.0
2,4-Dichlorophenol	0.324	0.311	0.060	-3.9845	20.0
Naphthalene	1.056	0.989	0.200	-6.278	20.0
Naphthalene	1.056	0.989	0.200	-6.278	20.0
4-Chloroaniline	0.437	0.448	0.010	2.3067	40.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: BNA_G Calibration Date/Time: 5/21/2024 12 15:20

Lab File ID: BG061255.D Init. Calib. Date(s):

EPA Sample No.: SICV419 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
4-Chloroaniline	0.457	0.448	0.010	2.3067	40.0
Hexachlorobutadiene	0.337	0.288	0.040	-8.9253	30.0
Hexachlorobutadiene	0.316	0.288	0.040	-8.9253	30.0
Caprolactam	0.107	0.123	0.010	15.3548	40.0
Caprolactam	0.124	0.123	0.010	15.3548	40.0
4-Chloro-3-methylphenol	0.393	0.410	0.040	4.3089	25.0
4-Chloro-3-methylphenol	0.418	0.410	0.040	4.3089	25.0
1-Methylnaphthalene	0.755	0.709	0.100	-6.1483	20.0
1-Methylnaphthalene	0.786	0.709	0.100	-6.1483	20.0
2-Methylnaphthalene	0.753	0.760	0.100	0.8708	20.0
2-Methylnaphthalene	0.766	0.760	0.100	0.8708	20.0
Hexachlorocyclopentadiene	0.290	0.334	0.010	15.1621	40.0
Hexachlorocyclopentadiene	0.298	0.334	0.010	15.1621	40.0
2,4,6-Trichlorophenol	0.385	0.358	0.090	-3.6441	25.0
2,4,6-Trichlorophenol	0.372	0.358	0.090	-3.6441	25.0
2,4,5-Trichlorophenol	0.403	0.384	0.100	-1.9191	25.0
2,4,5-Trichlorophenol	0.392	0.384	0.100	-1.9191	25.0
1,1-Biphenyl	1.324	1.224	0.200	-5.3402	20.0
1,1-Biphenyl	1.293	1.224	0.200	-5.3402	20.0
2-Chloronaphthalene	1.054	0.940	0.300	-7.6802	20.0
2-Chloronaphthalene	1.018	0.940	0.300	-7.6802	20.0
2-Nitroaniline	0.409	0.401	0.050	-2.0572	40.0
2-Nitroaniline	0.420	0.401	0.050	-2.0572	40.0
Dimethylphthalate	1.512	1.473	0.300	-2.5282	20.0
Dimethylphthalate	1.617	1.473	0.300	-2.5282	20.0
2,6-Dinitrotoluene	0.300	0.311	0.080	3.8421	30.0
2,6-Dinitrotoluene	0.317	0.311	0.080	3.8421	30.0
Acenaphthylene	1.770	1.632	0.400	-7.8314	20.0
Acenaphthylene	1.788	1.632	0.400	-7.8314	20.0
3-Nitroaniline	0.259	0.293	0.010	13.4234	40.0
3-Nitroaniline	0.275	0.293	0.010	13.4234	40.0
Acenaphthene	1.183	1.070	0.200	-8.8057	20.0
Acenaphthene	1.173	1.070	0.200	-8.8057	20.0
2,4-Dinitrophenol	0.138	0.155	0.010	11.8989	40.0
2,4-Dinitrophenol	0.168	0.155	0.010	11.8989	40.0
4-Nitrophenol	0.199	0.217	0.010	9.122	40.0
4-Nitrophenol	0.225	0.217	0.010	9.122	40.0
Dibenzofuran	1.642	1.605	0.300	-2.3043	20.0
Dibenzofuran	1.677	1.605	0.300	-2.3043	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: BNA_G Calibration Date/Time: 5/21/2024 12 15:20

Lab File ID: BG061255.D Init. Calib. Date(s):

EPA Sample No.: SICV419 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.446	0.460	0.070	3.2314	30.0
2,4-Dinitrotoluene	0.482	0.460	0.070	3.2314	30.0
Diethylphthalate	1.471	1.451	0.300	-1.3611	20.0
Diethylphthalate	1.597	1.451	0.300	-1.3611	20.0
Fluorene	1.400	1.342	0.200	-4.1337	20.0
Fluorene	1.451	1.342	0.200	-4.1337	20.0
4-Chlorophenyl-phenylether	0.839	0.793	0.100	-5.485	20.0
4-Chlorophenyl-phenylether	0.851	0.793	0.100	-5.485	20.0
4-Nitroaniline	0.263	0.315	0.010	19.8093	40.0
4-Nitroaniline	0.287	0.315	0.010	19.8093	40.0
4,6-Dinitro-2-methylphenol	0.121	0.116	0.010	-3.7723	40.0
4,6-Dinitro-2-methylphenol	0.127	0.116	0.010	-3.7723	40.0
N-Nitrosodiphenylamine	0.514	0.495	0.050	-1.5992	20.0
N-Nitrosodiphenylamine	0.503	0.495	0.050	-1.5992	20.0
1,2,4,5-Tetrachlorobenzene	0.709	0.642	0.100	-2.7062	20.0
1,2,4,5-Tetrachlorobenzene	0.660	0.642	0.100	-2.7062	20.0
4-Bromophenyl-phenylether	0.245	0.221	0.070	-6.8152	20.0
4-Bromophenyl-phenylether	0.237	0.221	0.070	-6.8152	20.0
Hexachlorobenzene	0.275	0.247	0.050	-6.243	25.0
Hexachlorobenzene	0.263	0.247	0.050	-6.243	25.0
Atrazine	0.198	0.191	0.010	-3.4882	25.0
Atrazine	0.199	0.191	0.010	-3.4882	25.0
Pentachlorophenol	0.082	0.081	0.010	-1.15	40.0
Pentachlorophenol	0.092	0.081	0.010	-1.15	40.0
Phenanthrene	0.967	0.912	0.200	-5.7687	20.0
Phenanthrene	0.971	0.912	0.200	-5.7687	20.0
Pentachlorobenzene	0.315	0.275	0.050	-6.0222	20.0
Pentachlorobenzene	0.292	0.275	0.050	-6.0222	20.0
Anthracene	0.998	0.927	0.200	-7.1124	20.0
Anthracene	1.004	0.927	0.200	-7.1124	20.0
1,2,3,4-Tetrachlorobenzene	0.299	0.250	0.050	-5.4882	20.0
1,2,3,4-Tetrachlorobenzene	0.264	0.250	0.050	-5.4882	20.0
Carbazole	0.804	0.798	0.050	-0.8121	40.0
Carbazole	0.816	0.798	0.050	-0.8121	40.0
Di-n-butylphthalate	0.996	0.962	0.500	-3.449	25.0
Di-n-butylphthalate	1.023	0.962	0.500	-3.449	25.0
Fluoranthene	1.267	1.181	0.400	-4.0959	25.0
Fluoranthene	1.232	1.181	0.400	-4.0959	25.0
Pyrene	1.293	1.220	0.400	-4.6121	25.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: BNA_G Calibration Date/Time: 5/21/2024 12 15:20

Lab File ID: BG061255.D Init. Calib. Date(s):

EPA Sample No.: SICV419 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Pyrene	1.279	1.220	0.400	-4.6121	25.0
Butylbenzylphthalate	0.448	0.431	0.100	-1.9888	40.0
Butylbenzylphthalate	0.439	0.431	0.100	-1.9888	40.0
3,3-Dichlorobenzidine	0.424	0.463	0.010	9.2402	40.0
3,3-Dichlorobenzidine	0.425	0.463	0.010	9.2402	40.0
Benzo(a)anthracene	1.379	1.299	0.300	-5.7905	30.0
Benzo(a)anthracene	1.380	1.299	0.300	-5.7905	30.0
Chrysene	1.272	1.206	0.200	-5.0562	30.0
Chrysene	1.271	1.206	0.200	-5.0562	30.0
Bis(2-ethylhexyl)phthalate	0.638	0.617	0.200	-3.3814	40.0
Bis(2-ethylhexyl)phthalate	0.650	0.617	0.200	-3.3814	40.0
Di-n-octyl phthalate	0.982	0.920	0.010	-6.2892	40.0
Di-n-octyl phthalate	1.001	0.920	0.010	-6.2892	40.0
Benzo(b)fluoranthene	1.185	1.111	0.200	-6.3218	25.0
Benzo(b)fluoranthene	1.191	1.111	0.200	-6.3218	25.0
Benzo(k)fluoranthene	1.191	1.095	0.200	-8.0914	25.0
Benzo(k)fluoranthene	1.209	1.095	0.200	-8.0914	25.0
Benzo(a)pyrene	1.129	1.030	0.200	-8.7788	20.0
Benzo(a)pyrene	1.131	1.030	0.200	-8.7788	20.0
Indeno(1,2,3-cd)pyrene	1.348	1.288	0.200	-4.4229	25.0
Indeno(1,2,3-cd)pyrene	1.367	1.288	0.200	-4.4229	25.0
Dibenzo(a,h)anthracene	1.120	1.058	0.200	-5.5811	30.0
Dibenzo(a,h)anthracene	1.128	1.058	0.200	-5.5811	30.0
Benzo(g,h,i)perylene	1.075	0.991	0.200	-7.8347	30.0
Benzo(g,h,i)perylene	1.088	0.991	0.200	-7.8347	30.0
2,3,4,6-Tetrachlorophenol	0.340	0.392	0.040	15.37	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.392	0.040	15.37	20.0
1,4-Dioxane-d8	0.341	0.369	0.010	8.2097	25.0
1,4-Dioxane-d8	0.357	0.369	0.010	8.2097	25.0
Pyridine-d5	1.164	1.199	0.010	3.0188	40.0
Pyridine-d5	1.271	1.199	0.010	3.0188	40.0
Phenol-d5	1.547	1.708	0.010	10.3962	25.0
Phenol-d5	1.642	1.708	0.010	10.3962	25.0
Bis-(2-Chloroethyl)ether-d8	0.976	1.192	0.050	22.1847	25.0
Bis-(2-Chloroethyl)ether-d8	1.032	1.192	0.050	22.1847	25.0
2-Chlorophenol-d4	1.149	1.206	0.200	4.9614	20.0
2-Chlorophenol-d4	1.216	1.206	0.200	4.9614	20.0
4-Methylphenol-d8	1.338	1.443	0.010	7.8201	20.0
4-Methylphenol-d8	1.400	1.443	0.010	7.8201	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: BNA_G Calibration Date/Time: 5/21/2024 12 15:20

Lab File ID: BG061255.D Init. Calib. Date(s):

EPA Sample No.: SICV419 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.151	0.154	0.050	1.8441	20.0
Nitrobenzene-d5	0.154	0.154	0.050	1.8441	20.0
2-Nitrophenol-d4	0.181	0.177	0.050	-2.0103	30.0
2-Nitrophenol-d4	0.180	0.177	0.050	-2.0103	30.0
2,4-Dichlorophenol-d3	0.367	0.365	0.060	3.8472	20.0
2,4-Dichlorophenol-d3	0.351	0.365	0.060	3.8472	20.0
4-Chloroaniline-d4	0.451	0.474	0.010	5.0307	40.0
4-Chloroaniline-d4	0.460	0.474	0.010	5.0307	40.0
Dimethylphthalate-d6	1.453	1.499	0.300	3.1702	20.0
Dimethylphthalate-d6	1.551	1.499	0.300	3.1702	20.0
Acenaphthylene-d8	1.608	1.578	0.400	-1.8827	20.0
Acenaphthylene-d8	1.613	1.578	0.400	-1.8827	20.0
4-Nitrophenol-d4	0.166	0.192	0.010	15.2238	40.0
4-Nitrophenol-d4	0.192	0.192	0.010	15.2238	40.0
Fluorene-d10	1.302	1.341	0.100	3.0152	20.0
Fluorene-d10	1.339	1.341	0.100	3.0152	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.120	0.010	2.5617	40.0
4,6-Dinitro-2-methylphenol-d2	0.121	0.120	0.010	2.5617	40.0
Anthracene-d10	0.890	0.882	0.300	0.0008	20.0
Anthracene-d10	0.882	0.882	0.300	0.0008	20.0
Pyrene-d10	1.053	1.051	0.300	2.3108	25.0
Pyrene-d10	1.027	1.051	0.300	2.3108	25.0
Benzo(a)pyrene-d12	0.954	0.943	0.010	-1.1477	20.0
Benzo(a)pyrene-d12	0.962	0.943	0.010	-1.1477	20.0

All other compounds must meet a minimum RRF of 0.010.

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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

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Hit Summary Sheet
SW-846

SDG No.: BG052124

Client:

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

Total Concentration:

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.314	0.413	0.400	0.398	0.386		0.382	10.3
Benzaldehyde		0.914	0.924	0.905	0.762	0.577	0.816	18.3
Pyridine		1.173	1.186	1.193	1.196	1.186	1.187	0.7
Hexachloroethane	0.528	0.560	0.532	0.585	0.565		0.554	4.2
Nitrobenzene	0.388	0.405	0.407	0.415	0.425		0.408	3.4
Isophorone	0.797	0.821	0.815	0.812	0.799		0.809	1.3
2-Nitrophenol	0.177	0.185	0.199	0.195	0.195		0.190	4.7
2,4-Dimethylphenol	0.378	0.386	0.402	0.397	0.394		0.391	2.4
Bis(2-Chloroethoxy)methane	0.423	0.424	0.425	0.427	0.421		0.424	0.5
2,4-Dichlorophenol	0.315	0.331	0.329	0.343	0.344		0.332	3.6
Naphthalene	1.040	1.077	1.045	1.062	1.054		1.056	1.4
4-Chloroaniline		0.463	0.433	0.443	0.436	0.412	0.437	4.2
Hexachlorobutadiene	0.344	0.337	0.329	0.341	0.335		0.337	1.8
Phenol		1.538	1.552	1.610	1.641	1.627	1.594	2.9
Caprolactam		0.112	0.114	0.106	0.103	0.097	0.107	6.3
4-Chloro-3-methylphenol	0.372	0.401	0.403	0.399	0.389		0.393	3.2
1-Methylnaphthalene	0.749	0.779	0.759	0.749	0.739		0.755	2.0
2-Methylnaphthalene	0.747	0.766	0.753	0.750	0.751		0.753	1.0
Hexachlorocyclopentadiene		0.129	0.205	0.304	0.377	0.433	0.290	42.7
2,4,6-Trichlorophenol	0.355	0.363	0.388	0.405	0.414		0.385	6.6
2,4,5-Trichlorophenol	0.366	0.390	0.396	0.427	0.436		0.403	7.1
1,1-Biphenyl	1.279	1.312	1.319	1.375	1.337		1.324	2.7
2-Chloronaphthalene	0.998	1.051	1.057	1.091	1.075		1.054	3.3
2-Nitroaniline	0.388	0.410	0.404	0.418	0.425		0.409	3.6
Bis(2-Chloroethyl)ether		1.184	1.205	1.226	1.205	1.167	1.197	1.9
Dimethylphthalate	1.495	1.547	1.507	1.531	1.478		1.512	1.8
2,6-Dinitrotoluene	0.277	0.299	0.304	0.312	0.307		0.300	4.6
Acenaphthylene	1.716	1.783	1.778	1.814	1.761		1.770	2.0
3-Nitroaniline		0.276	0.262	0.267	0.253	0.236	0.259	5.8
Acenaphthene	1.162	1.191	1.183	1.202	1.179		1.183	1.3
2,4-Dinitrophenol		0.075	0.103	0.144	0.176	0.193	0.138	35.5
4-Nitrophenol		0.158	0.180	0.206	0.225	0.227	0.199	15.0
Dibenzofuran	1.605	1.686	1.639	1.665	1.617		1.642	2.0
2,4-Dinitrotoluene	0.418	0.444	0.459	0.454	0.454		0.446	3.7
Diethylphthalate	1.496	1.498	1.467	1.467	1.427		1.471	2.0
2-Chlorophenol	1.209	1.226	1.254	1.303	1.293		1.257	3.3

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.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.397	1.413	1.407	1.401	1.381		1.400	0.9
4-Chlorophenyl-phenylether	0.849	0.867	0.834	0.827	0.818		0.839	2.3
4-Nitroaniline		0.262	0.284	0.268	0.258	0.241	0.263	5.9
4,6-Dinitro-2-methylphenol		0.100	0.115	0.126	0.132	0.130	0.121	11.0
N-Nitrosodiphenylamine	0.519	0.494	0.508	0.529	0.521		0.514	2.6
1,2,4,5-Tetrachlorobenzene	0.698	0.694	0.696	0.727	0.730		0.709	2.5
4-Bromophenyl-phenylether	0.235	0.244	0.243	0.252	0.251		0.245	2.7
Hexachlorobenzene	0.284	0.272	0.270	0.277	0.272		0.275	2.1
Atrazine		0.219	0.193	0.210	0.193	0.175	0.198	8.6
Pentachlorophenol		0.041	0.065	0.086	0.099	0.116	0.082	36.0
2-Methylphenol		1.153	1.184	1.259	1.255	1.232	1.217	3.8
Phenanthrene	0.936	0.973	0.975	0.978	0.974		0.967	1.8
Pentachlorobenzene	0.309	0.308	0.306	0.324	0.330		0.315	3.4
Anthracene	0.988	0.993	1.003	1.007	1.000		0.998	0.8
1,2,3,4-Tetrachlorobenzene	0.282	0.287	0.290	0.314	0.324		0.299	6.2
Carbazole		0.804	0.813	0.818	0.810	0.776	0.804	2.1
Di-n-butylphthalate	0.998	0.991	0.988	1.018	0.986		0.996	1.3
Fluoranthene	1.237	1.290	1.286	1.272	1.248		1.267	1.8
Pyrene	1.284	1.308	1.302	1.310	1.259		1.293	1.7
Butylbenzylphthalate	0.444	0.440	0.453	0.450	0.450		0.448	1.2
3,3-Dichlorobenzidine		0.457	0.452	0.449	0.411	0.349	0.424	10.8
2,2-oxybis(1-Chloropropane)		3.055	3.068	3.206	3.142	3.000	3.094	2.6
Benzo(a)anthracene	1.366	1.382	1.377	1.394	1.377		1.379	0.7
Chrysene	1.246	1.286	1.268	1.283	1.278		1.272	1.3
Bis(2-ethylhexyl)phthalate	0.645	0.629	0.637	0.642	0.638		0.638	0.9
Di-n-octyl phthalate		0.987	0.964	1.016	0.997	0.945	0.982	2.8
Benzo(b)fluoranthene	1.180	1.164	1.154	1.206	1.223		1.185	2.4
Benzo(k)fluoranthene	1.180	1.224	1.148	1.238	1.168		1.191	3.2
Benzo(a)pyrene	1.137	1.119	1.097	1.151	1.141		1.129	1.9
Indeno(1,2,3-cd)pyrene	1.344	1.312	1.306	1.384	1.393		1.348	3.0
Dibenzo(a,h)anthracene	1.107	1.106	1.071	1.157	1.159		1.120	3.3
Benzo(g,h,i)perylene	1.066	1.067	1.034	1.102	1.106		1.075	2.8
Acetophenone		2.173	2.148	2.272	2.223	2.140	2.191	2.5
2,3,4,6-Tetrachlorophenol	0.273	0.317	0.344	0.373	0.394		0.340	14.0
1,4-Dioxane-d8	0.282	0.340	0.366	0.371	0.345		0.341	10.4
Pyridine-d5		1.139	1.172	1.153	1.184	1.173	1.164	1.6

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.: BG052024 SAS No.: BG052024 SDG No.: BG052024

Instrument ID: Calibration Date(s): 5/20/2024

Calibration Time(s): 11:34

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.486	1.472	1.597	1.583	1.596	1.547	4.0
Bis-(2-Chloroethyl)ether-d8		0.948	0.972	1.000	0.986	0.973	0.976	2.0
2-Chlorophenol-d4	1.034	1.131	1.141	1.218	1.219		1.149	6.6
4-Methylphenol-d8		1.284	1.308	1.394	1.360	1.344	1.338	3.2
Nitrobenzene-d5	0.144	0.149	0.150	0.155	0.158		0.151	3.3
2-Nitrophenol-d4	0.173	0.183	0.181	0.183	0.185		0.181	2.5
2,4-Dichlorophenol-d3	0.367	0.366	0.363	0.373	0.369		0.367	1.0
4-Chloroaniline-d4		0.477	0.457	0.453	0.446	0.424	0.451	4.2
4-Methylphenol		1.362	1.360	1.409	1.365	1.340	1.367	1.8
Dimethylphthalate-d6	1.478	1.471	1.429	1.455	1.433		1.453	1.5
Acenaphthylene-d8	1.577	1.641	1.585	1.636	1.603		1.608	1.8
4-Nitrophenol-d4		0.133	0.157	0.171	0.184	0.187	0.166	13.4
Fluorene-d10	1.295	1.342	1.293	1.307	1.274		1.302	1.9
4,6-Dinitro-2-methylphenol-		0.094	0.113	0.123	0.127	0.126	0.117	11.7
Anthracene-d10	0.886	0.893	0.878	0.900	0.891		0.890	0.9
Pyrene-d10	1.051	1.057	1.072	1.061	1.026		1.053	1.6
Benzo(a)pyrene-d12	0.941	0.946	0.933	0.979	0.971		0.954	2.1
N-Nitroso-di-n-propylamine	1.121	1.216	1.190	1.216	1.180		1.185	3.3

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.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.512	0.417	0.413	0.390	0.413		0.429	11.1
Benzaldehyde		0.937	1.036	0.973	0.795	0.552	0.859	22.5
Pyridine		1.281	1.256	1.293	1.247	1.210	1.258	2.6
Hexachloroethane	0.513	0.597	0.582	0.589	0.576		0.572	5.9
Nitrobenzene	0.428	0.414	0.422	0.427	0.421		0.422	1.3
Isophorone	0.860	0.861	0.881	0.862	0.831		0.859	2.1
2-Nitrophenol	0.191	0.197	0.195	0.198	0.197		0.196	1.4
2,4-Dimethylphenol	0.367	0.377	0.399	0.393	0.401		0.388	3.8
Bis(2-Chloroethoxy)methane	0.411	0.430	0.440	0.441	0.431		0.431	2.8
2,4-Dichlorophenol	0.302	0.317	0.321	0.340	0.337		0.324	4.8
Naphthalene	1.047	1.060	1.047	1.074	1.049		1.056	1.1
4-Chloroaniline		0.476	0.457	0.469	0.455	0.427	0.457	4.1
Hexachlorobutadiene	0.323	0.306	0.320	0.317	0.316		0.316	2.0
Phenol		1.530	1.670	1.712	1.749	1.705	1.673	5.1
Caprolactam		0.133	0.133	0.128	0.118	0.107	0.124	8.9
4-Chloro-3-methylphenol	0.411	0.412	0.426	0.423	0.420		0.418	1.6
1-Methylnaphthalene	0.785	0.792	0.782	0.798	0.770		0.786	1.4
2-Methylnaphthalene	0.760	0.750	0.773	0.778	0.766		0.766	1.4
Hexachlorocyclopentadiene		0.126	0.322	0.291	0.352	0.400	0.298	35.1
2,4,6-Trichlorophenol	0.327	0.353	0.378	0.392	0.410		0.372	8.7
2,4,5-Trichlorophenol	0.338	0.370	0.396	0.411	0.444		0.392	10.3
1,1-Biphenyl	1.293	1.313	1.279	1.295	1.285		1.293	1.0
2-Chloronaphthalene	0.984	1.021	1.005	1.031	1.049		1.018	2.4
2-Nitroaniline	0.407	0.428	0.413	0.421	0.431		0.420	2.4
Bis(2-Chloroethyl)ether		1.197	1.245	1.235	1.259	1.184	1.224	2.6
Dimethylphthalate	1.723	1.666	1.570	1.572	1.552		1.617	4.6
2,6-Dinitrotoluene	0.308	0.316	0.314	0.321	0.326		0.317	2.1
Acenaphthylene	1.804	1.803	1.760	1.777	1.797		1.788	1.1
3-Nitroaniline		0.287	0.282	0.283	0.277	0.246	0.275	6.0
Acenaphthene	1.177	1.171	1.165	1.164	1.189		1.173	0.9
2,4-Dinitrophenol		0.119	0.147	0.175	0.199	0.201	0.168	20.8
4-Nitrophenol		0.188	0.222	0.234	0.250	0.234	0.225	10.3
Dibenzofuran	1.716	1.705	1.637	1.662	1.667		1.677	1.9
2,4-Dinitrotoluene	0.484	0.483	0.487	0.480	0.477		0.482	0.8
Diethylphthalate	1.687	1.661	1.553	1.568	1.513		1.597	4.7
2-Chlorophenol	1.201	1.247	1.328	1.317	1.330		1.285	4.5

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.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.464	1.501	1.438	1.439	1.414		1.451	2.3
4-Chlorophenyl-phenylether	0.870	0.851	0.854	0.844	0.838		0.851	1.4
4-Nitroaniline		0.293	0.300	0.303	0.287	0.250	0.287	7.4
4,6-Dinitro-2-methylphenol		0.114	0.125	0.129	0.133	0.134	0.127	6.2
N-Nitrosodiphenylamine	0.476	0.511	0.508	0.509	0.510		0.503	3.0
1,2,4,5-Tetrachlorobenzene	0.640	0.651	0.633	0.678	0.699		0.660	4.2
4-Bromophenyl-phenylether	0.213	0.243	0.242	0.243	0.245		0.237	5.8
Hexachlorobenzene	0.250	0.260	0.269	0.270	0.268		0.263	3.1
Atrazine		0.224	0.201	0.208	0.188	0.174	0.199	9.5
Pentachlorophenol		0.058	0.078	0.090	0.111	0.122	0.092	27.6
2-Methylphenol		1.228	1.339	1.374	1.345	1.199	1.297	6.0
Phenanthrene	0.966	0.975	0.972	0.983	0.958		0.971	1.0
Pentachlorobenzene	0.277	0.287	0.295	0.297	0.305		0.292	3.6
Anthracene	1.005	1.014	1.003	1.001	0.996		1.004	0.7
1,2,3,4-Tetrachlorobenzene	0.242	0.258	0.268	0.270	0.284		0.264	6.0
Carbazole		0.825	0.840	0.826	0.814	0.778	0.816	2.9
Di-n-butylphthalate	1.012	1.028	1.035	1.029	1.012		1.023	1.0
Fluoranthene	1.198	1.249	1.206	1.297	1.209		1.232	3.4
Pyrene	1.260	1.330	1.246	1.317	1.241		1.279	3.2
Butylbenzylphthalate	0.414	0.429	0.452	0.451	0.451		0.439	3.9
3,3-Dichlorobenzidine		0.454	0.453	0.460	0.416	0.339	0.425	12.0
2,2-oxybis(1-Chloropropane)		3.303	3.459	3.415	3.404	2.947	3.306	6.3
Benzo(a)anthracene	1.334	1.387	1.390	1.413	1.376		1.380	2.1
Chrysene	1.229	1.276	1.275	1.303	1.270		1.271	2.1
Bis(2-ethylhexyl)phthalate	0.634	0.642	0.654	0.663	0.658		0.650	1.8
Di-n-octyl phthalate		1.019	0.995	1.031	1.009	0.949	1.001	3.2
Benzo(b)fluoranthene	1.147	1.221	1.164	1.213	1.209		1.191	2.8
Benzo(k)fluoranthene	1.170	1.191	1.220	1.246	1.219		1.209	2.4
Benzo(a)pyrene	1.069	1.142	1.119	1.161	1.164		1.131	3.5
Indeno(1,2,3-cd)pyrene	1.322	1.376	1.337	1.397	1.405		1.367	2.7
Dibenzo(a,h)anthracene	1.052	1.130	1.116	1.164	1.176		1.128	4.3
Benzo(g,h,i)perylene	1.054	1.085	1.067	1.115	1.116		1.088	2.6
Acetophenone		2.465	2.526	2.464	2.399	2.098	2.390	7.1
2,3,4,6-Tetrachlorophenol	0.287	0.344	0.362	0.385	0.409		0.357	12.9
1,4-Dioxane-d8	0.351	0.330	0.365	0.361	0.380		0.357	5.1
Pyridine-d5		1.354	1.285	1.276	1.236	1.206	1.271	4.4

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.: BG052124 SAS No.: BG052124 SDG No.: BG052124

Instrument ID: Calibration Date(s): 5/21/2024

Calibration Time(s): 10:31

LAB FILE ID: RRFAL1 = BG061249.D RRFAL2 = BG061250.D RRFAL3 = BG061251.D
RRFAL4 = BG061252.D RRFAL5 = BG061253.D RRFAL6 = BG061254.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.505	1.723	1.655	1.677	1.652	1.642	5.0
Bis-(2-Chloroethyl)ether-d8		1.013	1.043	1.063	1.057	0.986	1.032	3.1
2-Chlorophenol-d4	1.140	1.133	1.267	1.259	1.278		1.216	5.9
4-Methylphenol-d8		1.312	1.489	1.452	1.439	1.311	1.400	6.0
Nitrobenzene-d5	0.148	0.153	0.158	0.157	0.155		0.154	2.7
2-Nitrophenol-d4	0.174	0.172	0.181	0.187	0.186		0.180	3.7
2,4-Dichlorophenol-d3	0.315	0.344	0.359	0.369	0.371		0.351	6.5
4-Chloroaniline-d4		0.469	0.463	0.473	0.461	0.433	0.460	3.4
4-Methylphenol		1.351	1.564	1.490	1.465	1.314	1.437	7.1
Dimethylphthalate-d6	1.612	1.613	1.518	1.523	1.491		1.551	3.7
Acenaphthylene-d8	1.608	1.650	1.579	1.594	1.633		1.613	1.8
4-Nitrophenol-d4		0.169	0.187	0.203	0.207	0.194	0.192	7.8
Fluorene-d10	1.347	1.384	1.307	1.320	1.338		1.339	2.2
4,6-Dinitro-2-methylphenol-		0.104	0.121	0.123	0.127	0.129	0.121	8.4
Anthracene-d10	0.890	0.877	0.881	0.885	0.876		0.882	0.7
Pyrene-d10	0.991	1.038	1.018	1.073	1.014		1.027	3.0
Benzo(a)pyrene-d12	0.932	0.956	0.950	0.983	0.988		0.962	2.4
N-Nitroso-di-n-propylamine	1.229	1.368	1.398	1.307	1.269		1.314	5.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
AN ALLIANCE TECHNICAL GROUP COMPANY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG NO.: BG052124

EPA Sample No.: SSTD020415 Date Analyzed: May 21 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 15:20

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	25492	7.922	107957	10.71	92277	14.55
	UPPER LIMIT	50984	8.422	215914	11.213	184554	15.05
	LOWER LIMIT	12746	7.422	53978.5	10.213	46138.5	14.05
	EPA SAMPLE NO.						
01	SICV419	23023	7.89	100372	10.69	91236	14.53
02	SICV419	23023	7.89	100372	10.69	91236	14.53
03	SICV419	23023	7.89	100372	10.69	91236	14.53
04	SICV419	23023	7.89	100372	10.69	91236	14.53
05	SICV419	23023	7.89	100372	10.69	91236	14.53
06	SICV419	23023	7.89	100372	10.69	91236	14.53
07	SICV419	23023	7.89	100372	10.69	91236	14.53
08	SICV419	23023	7.89	100372	10.69	91236	14.53

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
AN ALLIANCE TECHNICAL GROUP COMPANY

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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG NO.: BG052124

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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG NO.: BG052124

EPA Sample No.: SSTD020415 Date Analyzed: May 21 2024 12:00AM

Lab File ID: BG061251.D Time Analyzed: 15:20

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	222703	17.299	214738	21.553	244378	24.661
	UPPER LIMIT	445406	17.799	429476	22.053	488756	25.161
	LOWER LIMIT	111351.5	16.799	107369	21.053	122189	24.161
	EPA SAMPLE NO.						
01	SICV419	232311	17.27	232861	21.53	262153	24.61
02	SICV419	232311	17.27	232861	21.53	262153	24.61
03	SICV419	232311	17.27	232861	21.53	262153	24.61
04	SICV419	232311	17.27	232861	21.53	262153	24.61
05	SICV419	232311	17.27	232861	21.53	262153	24.61
06	SICV419	232311	17.27	232861	21.53	262153	24.61
07	SICV419	232311	17.27	232861	21.53	262153	24.61
08	SICV419	232311	17.27	232861	21.53	262153	24.61

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.: BG052124 SAS No.: BG052124 SDG NO.: BG052124

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.

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG052124

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits 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	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG052124

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
SSTDICV020	4,6-Dinitro-2-methylphenol	20	0	ug/L	0				0	0	
	N-Nitrosodiphenylamine	20	0	ug/L	0				0	0	
	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	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG052124 SAS No.: BG052124 SDG NO.: BG052124

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:

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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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BG052124

Lab Code: CHEM SAS No.: BG052124 SDG NO.: BG052124

Lab File ID: BG061248.D DFTPP Injection Date: 05/21/2024

Instrument ID: BNA_G DFTPP Injection Time: 09:51

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.3
68	Less than 2.0% of mass 69	0.5 (1.4) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.0 (0.0) 1
127	10.0 - 80.0% of mass 198	38.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	32.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	85.4
443	15.0 - 24.0% of mass 442	16.3 (19.1) 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
SSTD005413	SSTD00585	BG061249.D	05/21/2024	10:31
SSTD010414	SSTD01086	BG061250.D	05/21/2024	11:12
SSTD020415	SSTD02087	BG061251.D	05/21/2024	12:35
SSTD040416	SSTD04088	BG061252.D	05/21/2024	13:16
SSTD080417	SSTD08089	BG061253.D	05/21/2024	13:58
SSTD160418	SSTD16090	BG061254.D	05/21/2024	14:39
SICV419	SSTDICV020	BG061255.D	05/21/2024	15:20