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.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: BNA_G Calibration Date/Time: 6/20/2024 12 19:17

Lab File ID: BG061610.D Init. Calib. Date(s):

EPA Sample No.: SICV445 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.688	0.719	0.010	4.5047	40.0
Benzaldehyde	1.068	1.224	0.010	14.5974	40.0
Pyridine	1.799	1.716	0.010	-4.6511	40.0
Phenol	2.285	2.160	0.080	-5.4763	20.0
Bis(2-Chloroethyl)ether	1.720	1.666	0.100	-3.1379	20.0
2-Chlorophenol	1.495	1.404	0.200	-6.0761	20.0
2-Methylphenol	1.599	1.550	0.010	-3.0464	20.0
2,2-oxybis(1-Chloropropane)	3.513	3.489	0.010	-0.6877	40.0
Acetophenone	2.764	2.657	0.060	-3.8607	20.0
4-Methylphenol	1.791	1.756	0.010	-1.9214	20.0
N-Nitroso-di-n-propylamine	1.485	1.396	0.050	-5.9905	30.0
Hexachloroethane	0.599	0.572	0.100	-4.6358	20.0
Nitrobenzene	0.391	0.405	0.050	3.5067	25.0
Isophorone	0.900	0.852	0.050	-5.3142	25.0
2-Nitrophenol	0.144	0.156	0.050	8.2374	25.0
2,4-Dimethylphenol	0.402	0.384	0.050	-4.5949	25.0
Bis(2-Chloroethoxy)methane	0.509	0.504	0.050	-0.9961	20.0
2,4-Dichlorophenol	0.298	0.300	0.060	0.4582	20.0
Naphthalene	1.119	1.082	0.200	-3.2976	20.0
4-Chloroaniline	0.489	0.479	0.010	-2.0393	40.0
Hexachlorobutadiene	0.206	0.214	0.040	3.7111	30.0
Caprolactam	0.123	0.133	0.010	7.7286	40.0
4-Chloro-3-methylphenol	0.417	0.401	0.040	-3.8519	25.0
1-Methylnaphthalene	0.843	0.794	0.100	-5.7154	20.0
2-Methylnaphthalene	0.790	0.769	0.100	-2.6584	20.0
Hexachlorocyclopentadiene	0.337	0.330	0.010	-1.9616	40.0
2,4,6-Trichlorophenol	0.365	0.362	0.090	-0.9658	25.0
2,4,5-Trichlorophenol	0.398	0.403	0.100	1.3137	25.0
1,1-Biphenyl	1.449	1.414	0.200	-2.3955	20.0
2-Chloronaphthalene	1.113	1.091	0.300	-1.9939	20.0
2-Nitroaniline	0.381	0.421	0.050	10.4529	40.0
Dimethylphthalate	1.528	1.540	0.300	0.7467	20.0
2,6-Dinitrotoluene	0.254	0.274	0.080	8.0342	30.0
Acenaphthylene	1.883	1.806	0.400	-4.0541	20.0
3-Nitroaniline	0.260	0.279	0.010	7.3823	40.0
Acenaphthene	1.304	1.235	0.200	-5.2866	20.0
2,4-Dinitrophenol	0.129	0.120	0.010	-7.0855	40.0
4-Nitrophenol	0.273	0.305	0.010	11.7894	40.0
Dibenzofuran	1.825	1.775	0.300	-2.7225	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: BNA_G Calibration Date/Time: 6/20/2024 12 19:17

Lab File ID: BG061610.D Init. Calib. Date(s):

EPA Sample No.: SICV445 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.376	0.429	0.070	13.8462	30.0
Diethylphthalate	1.574	1.573	0.300	-0.0688	20.0
Fluorene	1.510	1.540	0.200	1.9917	20.0
4-Chlorophenyl-phenylether	0.750	0.721	0.100	-3.7966	20.0
4-Nitroaniline	0.275	0.317	0.010	15.3927	40.0
4,6-Dinitro-2-methylphenol	0.097	0.090	0.010	-6.9368	40.0
N-Nitrosodiphenylamine	0.517	0.504	0.050	-2.5628	20.0
1,2,4,5-Tetrachlorobenzene	0.566	0.573	0.100	1.1816	20.0
4-Bromophenyl-phenylether	0.206	0.204	0.070	-1.1759	20.0
Hexachlorobenzene	0.250	0.238	0.050	-4.748	25.0
Atrazine	0.207	0.212	0.010	2.6571	25.0
Pentachlorophenol	0.152	0.143	0.010	-5.8464	40.0
Phenanthrene	1.052	1.031	0.200	-1.9956	20.0
Pentachlorobenzene	0.268	0.251	0.050	-6.1948	20.0
Anthracene	1.076	1.037	0.200	-3.6064	20.0
1,2,3,4-Tetrachlorobenzene	0.223	0.220	0.050	-1.1613	20.0
Carbazole	0.914	0.958	0.050	4.8217	40.0
Di-n-butylphthalate	1.093	1.102	0.500	0.8134	25.0
Fluoranthene	1.296	1.275	0.400	-1.6599	25.0
Pyrene	1.378	1.352	0.400	-1.9399	25.0
Butylbenzylphthalate	0.502	0.494	0.100	-1.5021	40.0
3,3-Dichlorobenzidine	0.423	0.462	0.010	9.1723	40.0
Benzo(a)anthracene	1.404	1.372	0.300	-2.239	30.0
Chrysene	1.328	1.299	0.200	-2.1766	30.0
Bis(2-ethylhexyl)phthalate	0.738	0.740	0.200	0.2902	40.0
Di-n-octyl phthalate	1.055	1.072	0.010	1.6265	40.0
Benzo(b)fluoranthene	1.202	1.218	0.200	1.2992	25.0
Benzo(k)fluoranthene	1.236	1.232	0.200	-0.3579	25.0
Benzo(a)pyrene	1.157	1.134	0.200	-1.9985	20.0
Indeno(1,2,3-cd)pyrene	1.442	1.425	0.200	-1.1696	25.0
Dibenzo(a,h)anthracene	1.199	1.141	0.200	-4.835	30.0
Benzo(g,h,i)perylene	1.163	1.165	0.200	0.1589	30.0
2,3,4,6-Tetrachlorophenol	0.390	0.394	0.040	0.8812	20.0
1,4-Dioxane-d8	0.554	0.578	0.010	4.3254	25.0
Pyridine-d5	1.674	1.601	0.010	-4.3563	40.0
Phenol-d5	2.171	2.053	0.010	-5.4236	25.0
Bis-(2-Chloroethyl)ether-d8	1.353	1.268	0.050	-6.3309	25.0
2-Chlorophenol-d4	1.490	1.408	0.200	-5.4758	20.0
4-Methylphenol-d8	1.678	1.630	0.010	-2.9164	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: BNA_G Calibration Date/Time: 6/20/2024 12 19:17

Lab File ID: BG061610.D Init. Calib. Date(s):

EPA Sample No.: SICV445 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.136	0.138	0.050	1.6743	20.0
2-Nitrophenol-d4	0.138	0.148	0.050	7.3675	30.0
2,4-Dichlorophenol-d3	0.326	0.313	0.060	-3.791	20.0
4-Chloroaniline-d4	0.493	0.487	0.010	-1.2474	40.0
Dimethylphthalate-d6	1.539	1.589	0.300	3.2549	20.0
Acenaphthylene-d8	1.687	1.681	0.400	-0.3634	20.0
4-Nitrophenol-d4	0.264	0.291	0.010	10.2548	40.0
Fluorene-d10	1.347	1.361	0.100	0.9786	20.0
4,6-Dinitro-2-methylphenol-d2	0.086	0.081	0.010	-5.1491	40.0
Anthracene-d10	0.913	0.904	0.300	-1.011	20.0
Pyrene-d10	1.117	1.109	0.300	-0.7695	25.0
Benzo(a)pyrene-d12	0.955	0.937	0.010	-1.9596	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.: BG062024

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.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: Calibration Date(s): 6/20/2024

Calibration Time(s): 13:45

LAB FILE ID: RRFAL1 = BG061604.D RRFAL2 = BG061605.D RRFAL3 = BG061606.D
RRFAL4 = BG061607.D RRFAL5 = BG061608.D RRFAL6 = BG061609.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.751	0.805	0.685	0.634	0.565		0.688	13.8
Benzaldehyde		1.172	1.318	1.232	0.961	0.660	1.068	24.7
Pyridine		1.777	1.887	1.791	1.717	1.824	1.799	3.5
Hexachloroethane	0.652	0.587	0.576	0.595	0.588		0.599	5.0
Nitrobenzene	0.366	0.366	0.385	0.416	0.424		0.391	7.0
Isophorone	0.910	0.858	0.889	0.931	0.910		0.900	3.0
2-Nitrophenol	0.109	0.122	0.147	0.164	0.177		0.144	19.7
2,4-Dimethylphenol	0.381	0.405	0.405	0.414	0.406		0.402	3.1
Bis(2-Chloroethoxy)methane	0.533	0.510	0.506	0.501	0.495		0.509	2.9
2,4-Dichlorophenol	0.283	0.296	0.292	0.312	0.309		0.298	4.1
Naphthalene	1.175	1.121	1.095	1.132	1.073		1.119	3.5
4-Chloroaniline		0.504	0.481	0.509	0.497	0.454	0.489	4.6
Hexachlorobutadiene	0.208	0.197	0.212	0.210	0.204		0.206	2.8
Phenol		2.176	2.354	2.314	2.329	2.250	2.285	3.1
Caprolactam		0.113	0.125	0.135	0.130	0.114	0.123	7.8
4-Chloro-3-methylphenol	0.395	0.409	0.416	0.437	0.430		0.417	4.0
1-Methylnaphthalene	0.860	0.849	0.823	0.861	0.821		0.843	2.3
2-Methylnaphthalene	0.774	0.794	0.763	0.820	0.797		0.790	2.8
Hexachlorocyclopentadiene		0.307	0.317	0.335	0.339	0.386	0.337	9.1
2,4,6-Trichlorophenol	0.352	0.345	0.370	0.382	0.377		0.365	4.4
2,4,5-Trichlorophenol	0.370	0.378	0.412	0.416	0.414		0.398	5.6
1,1-Biphenyl	1.484	1.452	1.450	1.464	1.394		1.449	2.3
2-Chloronaphthalene	1.116	1.108	1.111	1.134	1.095		1.113	1.3
2-Nitroaniline	0.307	0.344	0.398	0.429	0.428		0.381	14.1
Bis(2-Chloroethyl)ether		1.741	1.769	1.781	1.664	1.642	1.720	3.7
Dimethylphthalate	1.582	1.600	1.521	1.496	1.443		1.528	4.2
2,6-Dinitrotoluene	0.211	0.230	0.251	0.283	0.293		0.254	13.7
Acenaphthylene	1.909	1.968	1.874	1.874	1.789		1.883	3.5
3-Nitroaniline		0.232	0.261	0.290	0.267	0.249	0.260	8.4
Acenaphthene	1.347	1.384	1.287	1.297	1.205		1.304	5.2
2,4-Dinitrophenol		0.105	0.109	0.128	0.141	0.162	0.129	18.2
4-Nitrophenol		0.262	0.268	0.292	0.273	0.269	0.273	4.2
Dibenzofuran	1.876	1.890	1.817	1.832	1.707		1.825	3.9
2,4-Dinitrotoluene	0.317	0.351	0.368	0.423	0.423		0.376	12.3
Diethylphthalate	1.586	1.645	1.576	1.582	1.481		1.574	3.8
2-Chlorophenol	1.297	1.547	1.561	1.556	1.512		1.495	7.5

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.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: Calibration Date(s): 6/20/2024

Calibration Time(s): 13:45

LAB FILE ID: RRFAL1 = BG061604.D RRFAL2 = BG061605.D RRFAL3 = BG061606.D
RRFAL4 = BG061607.D RRFAL5 = BG061608.D RRFAL6 = BG061609.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.607	1.551	1.521	1.495	1.377		1.510	5.6
4-Chlorophenyl-phenylether	0.793	0.779	0.756	0.738	0.682		0.750	5.8
4-Nitroaniline		0.260	0.294	0.302	0.271	0.249	0.275	8.2
4,6-Dinitro-2-methylphenol		0.075	0.081	0.103	0.108	0.117	0.097	18.5
N-Nitrosodiphenylamine	0.495	0.516	0.521	0.543	0.510		0.517	3.4
1,2,4,5-Tetrachlorobenzene	0.601	0.553	0.550	0.564	0.562		0.566	3.6
4-Bromophenyl-phenylether	0.212	0.208	0.194	0.213	0.203		0.206	3.7
Hexachlorobenzene	0.261	0.252	0.244	0.253	0.240		0.250	3.3
Atrazine		0.217	0.207	0.214	0.199	0.196	0.207	4.4
Pentachlorophenol		0.139	0.148	0.160	0.158	0.156	0.152	5.8
2-Methylphenol		1.523	1.611	1.676	1.616	1.567	1.599	3.6
Phenanthrene	1.109	1.089	1.039	1.060	0.964		1.052	5.3
Pentachlorobenzene	0.263	0.260	0.266	0.275	0.274		0.268	2.5
Anthracene	1.129	1.121	1.075	1.068	0.986		1.076	5.3
1,2,3,4-Tetrachlorobenzene	0.203	0.217	0.214	0.242	0.237		0.223	7.4
Carbazole		0.973	0.948	0.946	0.883	0.817	0.914	6.9
Di-n-butylphthalate	1.126	1.114	1.095	1.107	1.021		1.093	3.8
Fluoranthene	1.332	1.316	1.263	1.349	1.221		1.296	4.1
Pyrene	1.399	1.437	1.380	1.404	1.272		1.378	4.6
Butylbenzylphthalate	0.477	0.491	0.486	0.541	0.514		0.502	5.2
3,3-Dichlorobenzidine		0.452	0.447	0.468	0.408	0.340	0.423	12.2
2,2-oxybis(1-Chloropropane)		3.563	3.596	3.599	3.419	3.390	3.513	2.9
Benzo(a)anthracene	1.449	1.421	1.376	1.445	1.328		1.404	3.7
Chrysene	1.385	1.340	1.312	1.355	1.250		1.328	3.9
Bis(2-ethylhexyl)phthalate	0.708	0.718	0.738	0.779	0.744		0.738	3.7
Di-n-octyl phthalate		0.996	1.040	1.106	1.113	1.018	1.055	5.0
Benzo(b)fluoranthene	1.189	1.184	1.218	1.210	1.209		1.202	1.2
Benzo(k)fluoranthene	1.295	1.205	1.227	1.278	1.177		1.236	4.0
Benzo(a)pyrene	1.174	1.126	1.154	1.189	1.146		1.157	2.1
Indeno(1,2,3-cd)pyrene	1.424	1.446	1.400	1.483	1.459		1.442	2.2
Dibenzo(a,h)anthracene	1.187	1.176	1.166	1.244	1.224		1.199	2.8
Benzo(g,h,i)perylene	1.149	1.151	1.143	1.197	1.173		1.163	1.9
Acetophenone		2.837	2.849	2.873	2.709	2.550	2.764	4.9
2,3,4,6-Tetrachlorophenol	0.393	0.385	0.386	0.402	0.386		0.390	1.8
1,4-Dioxane-d8	0.505	0.631	0.579	0.562	0.491		0.554	10.3
Pyridine-d5		1.591	1.693	1.695	1.647	1.743	1.674	3.4

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BG062024 SAS No.: BG062024 SDG No.: BG062024

Instrument ID: Calibration Date(s): 6/20/2024

Calibration Time(s): 13:45

LAB FILE ID: RRFAL1 = BG061604.D RRFAL2 = BG061605.D RRFAL3 = BG061606.D
RRFAL4 = BG061607.D RRFAL5 = BG061608.D RRFAL6 = BG061609.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		2.082	2.173	2.246	2.212	2.144	2.171	2.9
Bis-(2-Chloroethyl)ether-d8		1.406	1.391	1.371	1.312	1.288	1.353	3.8
2-Chlorophenol-d4	1.414	1.515	1.463	1.548	1.510		1.490	3.5
4-Methylphenol-d8		1.566	1.691	1.743	1.716	1.677	1.678	4.0
Nitrobenzene-d5	0.125	0.127	0.130	0.147	0.150		0.136	8.8
2-Nitrophenol-d4	0.115	0.115	0.138	0.151	0.168		0.138	16.9
2,4-Dichlorophenol-d3	0.309	0.317	0.315	0.345	0.343		0.326	5.1
4-Chloroaniline-d4		0.490	0.485	0.510	0.510	0.470	0.493	3.5
4-Methylphenol		1.703	1.836	1.857	1.800	1.759	1.791	3.4
Dimethylphthalate-d6	1.515	1.558	1.567	1.571	1.485		1.539	2.4
Acenaphthylene-d8	1.613	1.717	1.720	1.726	1.658		1.687	2.9
4-Nitrophenol-d4		0.253	0.259	0.280	0.270	0.259	0.264	4.1
Fluorene-d10	1.338	1.399	1.359	1.366	1.275		1.347	3.4
4,6-Dinitro-2-methylphenol-		0.065	0.070	0.088	0.098	0.107	0.086	20.8
Anthracene-d10	0.929	0.938	0.908	0.923	0.867		0.913	3.0
Pyrene-d10	1.124	1.122	1.114	1.171	1.055		1.117	3.7
Benzo(a)pyrene-d12	0.933	0.940	0.952	0.984	0.967		0.955	2.2
N-Nitroso-di-n-propylamine	1.391	1.479	1.546	1.544	1.464		1.485	4.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG062024 SAS No.: BG062024 SDG NO.: BG062024

EPA Sample No.: SSTD020441 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BG061606.D Time Analyzed: 19:17

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	40384	8.076	209095	10.89	156039	14.70
	UPPER LIMIT	80768	8.576	418190	11.391	312078	15.204
	LOWER LIMIT	20192	7.576	104547.5	10.391	78019.5	14.204
	EPA SAMPLE NO.						
01	SICV445	41465	8.08	202951	10.89	151185	14.70

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.: BG062024 SAS No.: BG062024 SDG NO.: BG062024

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.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG062024 SAS No.: BG062024 SDG NO.: BG062024

EPA Sample No.: SSTD020441 Date Analyzed: Jun 20 2024 12:00AM

Lab File ID: BG061606.D Time Analyzed: 19:17

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	398475	17.442	379358	21.713	440710	24.939
	UPPER LIMIT	796950	17.942	758716	22.213	881420	25.439
	LOWER LIMIT	199237.5	16.942	189679	21.213	220355	24.439
	EPA SAMPLE NO.						
01	SICV445	387621	17.44	368118	21.71	429779	24.93

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.: BG062024 SAS No.: BG062024 SDG NO.: BG062024

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.: BG062024

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.: BG062024

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.: BG062024 SAS No.: BG062024 SDG NO.: BG062024

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: BG062024

Lab Code: CHEM SAS No.: BG062024 SDG NO.: BG062024

Lab File ID: BG061603.D DFTPP Injection Date: 06/20/2024

Instrument ID: BNA_G DFTPP Injection Time: 13:04

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	52.8
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	40.2
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	44.3
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	6.9
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	13.6
442	Greater than 50% of mass 198	79.8
443	15.0 - 24.0% of mass 442	15.3 (19.2) 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
SSTD005439	SSTD00510	BG061604.D	06/20/2024	13:45
SSTD010440	SSTD01011	BG061605.D	06/20/2024	14:26
SSTD020441	SSTD02012	BG061606.D	06/20/2024	15:06
SSTD040442	SSTD04013	BG061607.D	06/20/2024	15:46
SSTD080443	SSTD08014	BG061608.D	06/20/2024	16:27
SSTD160444	SSTD16015	BG061609.D	06/20/2024	17:08
SICV445	SSTDICV020	BG061610.D	06/20/2024	19:17