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.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: BNA_M Calibration Date/Time: 9/10/2024 12 22:41

Lab File ID: BM047471.D Init. Calib. Date(s):

EPA Sample No.: SICV019 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.535	0.494	0.010	-7.6513	40.0
Benzaldehyde	0.992	1.109	0.010	11.8027	40.0
Pyridine	1.636	1.456	0.010	-11.0192	40.0
Phenol	1.930	1.707	0.080	-11.5437	20.0
Bis(2-Chloroethyl)ether	1.526	1.386	0.100	-9.2106	20.0
2-Chlorophenol	1.479	1.392	0.200	-5.8684	20.0
2-Methylphenol	1.453	1.295	0.010	-10.8936	20.0
2,2-oxybis(1-Chloropropane)	2.237	2.029	0.010	-9.2935	40.0
Acetophenone	2.371	2.190	0.060	-7.6655	20.0
4-Methylphenol	1.586	1.443	0.010	-9.0052	20.0
N-Nitroso-di-n-propylamine	1.259	1.178	0.050	-6.368	30.0
Hexachloroethane	0.635	0.592	0.100	-6.7635	20.0
Nitrobenzene	0.386	0.364	0.050	-5.7247	25.0
Isophorone	0.770	0.714	0.050	-7.2971	25.0
2-Nitrophenol	0.169	0.168	0.050	-0.3808	25.0
2,4-Dimethylphenol	0.363	0.337	0.050	-7.0553	25.0
Bis(2-Chloroethoxy)methane	0.466	0.433	0.050	-7.0953	20.0
2,4-Dichlorophenol	0.301	0.286	0.060	-5.01	20.0
Naphthalene	1.102	1.019	0.200	-7.5509	20.0
4-Chloroaniline	0.478	0.437	0.010	-8.4558	40.0
Hexachlorobutadiene	0.179	0.168	0.040	-6.6258	30.0
Caprolactam	0.116	0.140	0.010	21.2192	40.0
4-Chloro-3-methylphenol	0.339	0.319	0.040	-5.7649	25.0
1-Methylnaphthalene	0.765	0.707	0.100	-7.5892	20.0
2-Methylnaphthalene	0.757	0.699	0.100	-7.6863	20.0
Hexachlorocyclopentadiene	0.408	0.444	0.010	8.6721	40.0
2,4,6-Trichlorophenol	0.364	0.348	0.090	-4.476	25.0
2,4,5-Trichlorophenol	0.396	0.379	0.100	-4.355	25.0
1,1-Biphenyl	1.576	1.455	0.200	-7.6794	20.0
2-Chloronaphthalene	1.209	1.115	0.300	-7.7805	20.0
2-Nitroaniline	0.352	0.338	0.050	-4.0079	40.0
Dimethylphthalate	1.493	1.387	0.300	-7.084	20.0
2,6-Dinitrotoluene	0.272	0.268	0.080	-1.5304	30.0
Acenaphthylene	1.918	1.780	0.400	-7.1449	20.0
3-Nitroaniline	0.318	0.310	0.010	-2.5347	40.0
Acenaphthene	1.362	1.252	0.200	-8.1215	20.0
2,4-Dinitrophenol	0.150	0.126	0.010	-16.0374	40.0
4-Nitrophenol	0.245	0.224	0.010	-8.6012	40.0
Dibenzofuran	1.771	1.627	0.300	-8.1369	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: BNA_M Calibration Date/Time: 9/10/2024 12 22:41

Lab File ID: BM047471.D Init. Calib. Date(s):

EPA Sample No.: SICV019 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.392	0.390	0.070	-0.4999	30.0
Diethylphthalate	1.580	1.457	0.300	-7.7605	20.0
Fluorene	1.545	1.443	0.200	-6.6087	20.0
4-Chlorophenyl-phenylether	0.716	0.672	0.100	-6.1132	20.0
4-Nitroaniline	0.315	0.336	0.010	6.8003	40.0
4,6-Dinitro-2-methylphenol	0.120	0.106	0.010	-11.1753	40.0
N-Nitrosodiphenylamine	0.622	0.579	0.050	-6.8139	20.0
1,2,4,5-Tetrachlorobenzene	0.594	0.550	0.100	-7.4321	20.0
4-Bromophenyl-phenylether	0.207	0.191	0.070	-7.6559	20.0
Hexachlorobenzene	0.236	0.221	0.050	-6.4932	25.0
Atrazine	0.218	0.200	0.010	-8.4989	25.0
Pentachlorophenol	0.149	0.130	0.010	-12.9011	40.0
Phenanthrene	1.141	1.056	0.200	-7.4214	20.0
Pentachlorobenzene	0.287	0.268	0.050	-6.7073	20.0
Anthracene	1.155	1.079	0.200	-6.6301	20.0
1,2,3,4-Tetrachlorobenzene	0.291	0.269	0.050	-7.4097	20.0
Carbazole	1.056	1.002	0.050	-5.1177	40.0
Di-n-butylphthalate	1.362	1.288	0.500	-5.409	25.0
Fluoranthene	1.374	1.293	0.400	-5.8946	25.0
Pyrene	1.464	1.390	0.400	-5.0618	25.0
Butylbenzylphthalate	0.668	0.610	0.100	-8.7165	40.0
3,3-Dichlorobenzidine	0.473	0.426	0.010	-9.9	40.0
Benzo(a)anthracene	1.429	1.340	0.300	-6.1901	30.0
Chrysene	1.318	1.227	0.200	-6.9214	30.0
Bis(2-ethylhexyl)phthalate	1.014	0.933	0.200	-7.9264	40.0
Di-n-octyl phthalate	1.598	1.478	0.010	-7.4895	40.0
Benzo(b)fluoranthene	1.284	1.176	0.200	-8.4376	25.0
Benzo(k)fluoranthene	1.261	1.185	0.200	-5.9943	25.0
Benzo(a)pyrene	1.179	1.093	0.200	-7.31	20.0
Indeno(1,2,3-cd)pyrene	1.446	1.297	0.200	-10.3472	25.0
Dibenzo(a,h)anthracene	1.178	1.062	0.200	-9.7961	30.0
Benzo(g,h,i)perylene	1.105	0.971	0.200	-12.0908	30.0
2,3,4,6-Tetrachlorophenol	0.305	0.295	0.040	-3.1698	20.0
1,4-Dioxane-d8	0.496	0.466	0.010	-6.0651	25.0
Pyridine-d5	1.584	1.435	0.010	-9.4287	40.0
Phenol-d5	1.875	1.643	0.010	-12.3829	25.0
Bis-(2-Chloroethyl)ether-d8	1.167	1.057	0.050	-9.3812	25.0
2-Chlorophenol-d4	1.428	1.332	0.200	-6.699	20.0
4-Methylphenol-d8	1.474	1.324	0.010	-10.1532	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: BNA_M Calibration Date/Time: 9/10/2024 12 22:41

Lab File ID: BM047471.D Init. Calib. Date(s):

EPA Sample No.: SICV019 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.150	0.050	-3.0995	20.0
2-Nitrophenol-d4	0.146	0.142	0.050	-2.3871	30.0
2,4-Dichlorophenol-d3	0.297	0.280	0.060	-5.6908	20.0
4-Chloroaniline-d4	0.486	0.440	0.010	-9.4707	40.0
Dimethylphthalate-d6	1.470	1.361	0.300	-7.4297	20.0
Acenaphthylene-d8	1.774	1.635	0.400	-7.8375	20.0
4-Nitrophenol-d4	0.291	0.264	0.010	-9.2281	40.0
Fluorene-d10	1.270	1.157	0.100	-8.9138	20.0
4,6-Dinitro-2-methylphenol-d2	0.106	0.091	0.010	-14.3062	40.0
Anthracene-d10	0.963	0.899	0.300	-6.645	20.0
Pyrene-d10	1.166	1.062	0.300	-8.9252	25.0
Benzo(a)pyrene-d12	1.063	0.980	0.010	-7.8007	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.: BM091024

Client:

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

Total Concentration:

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:23

LAB FILE ID: RRFAL1 = BM047465.D RRFAL2 = BM047466.D RRFAL3 = BM047467.D
RRFAL4 = BM047468.D RRFAL5 = BM047469.D RRFAL6 = BM047470.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.520	0.602	0.503	0.525	0.526		0.535	7.2
Benzaldehyde		1.187	1.134	1.095	0.824	0.722	0.992	20.7
Pyridine		1.717	1.502	1.641	1.662	1.656	1.636	4.9
Hexachloroethane	0.615	0.685	0.591	0.638	0.648		0.635	5.6
Nitrobenzene	0.343	0.409	0.367	0.403	0.408		0.386	7.7
Isophorone	0.696	0.814	0.725	0.797	0.816		0.770	7.2
2-Nitrophenol	0.130	0.168	0.160	0.186	0.200		0.169	15.8
2,4-Dimethylphenol	0.324	0.383	0.339	0.373	0.395		0.363	8.2
Bis(2-Chloroethoxy)methane	0.434	0.499	0.438	0.477	0.481		0.466	6.1
2,4-Dichlorophenol	0.260	0.308	0.281	0.318	0.338		0.301	10.3
Naphthalene	1.035	1.176	1.024	1.120	1.154		1.102	6.3
4-Chloroaniline		0.494	0.434	0.483	0.499	0.479	0.478	5.4
Hexachlorobutadiene	0.169	0.191	0.165	0.181	0.189		0.179	6.5
Phenol		1.956	1.725	1.906	2.006	2.057	1.930	6.6
Caprolactam		0.105	0.141	0.111	0.111	0.111	0.116	12.2
4-Chloro-3-methylphenol	0.293	0.355	0.318	0.355	0.373		0.339	9.6
1-Methylnaphthalene	0.708	0.802	0.707	0.785	0.824		0.765	7.1
2-Methylnaphthalene	0.701	0.794	0.696	0.775	0.821		0.757	7.4
Hexachlorocyclopentadiene		0.374	0.442	0.389	0.420	0.416	0.408	6.6
2,4,6-Trichlorophenol	0.302	0.362	0.338	0.394	0.425		0.364	13.1
2,4,5-Trichlorophenol	0.322	0.397	0.370	0.431	0.460		0.396	13.5
1,1-Biphenyl	1.445	1.661	1.446	1.633	1.697		1.576	7.7
2-Chloronaphthalene	1.122	1.280	1.114	1.245	1.284		1.209	7.0
2-Nitroaniline	0.279	0.354	0.334	0.391	0.401		0.352	13.9
Bis(2-Chloroethyl)ether		1.611	1.418	1.524	1.550	1.528	1.526	4.6
Dimethylphthalate	1.391	1.593	1.383	1.527	1.573		1.493	6.7
2,6-Dinitrotoluene	0.216	0.270	0.256	0.301	0.319		0.272	14.8
Acenaphthylene	1.742	2.030	1.768	2.001	2.046		1.918	7.8
3-Nitroaniline		0.301	0.298	0.338	0.319	0.335	0.318	5.8
Acenaphthene	1.239	1.448	1.256	1.409	1.459		1.362	7.8
2,4-Dinitrophenol		0.102	0.110	0.151	0.178	0.208	0.150	29.9
4-Nitrophenol		0.240	0.221	0.258	0.259	0.249	0.245	6.3
Dibenzofuran	1.665	1.886	1.630	1.807	1.864		1.771	6.6
2,4-Dinitrotoluene	0.297	0.396	0.373	0.438	0.458		0.392	16.0
Diethylphthalate	1.463	1.698	1.457	1.624	1.657		1.580	7.1
2-Chlorophenol	1.305	1.572	1.392	1.534	1.592		1.479	8.4

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.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:23

LAB FILE ID: RRFAL1 = BM047465.D RRFAL2 = BM047466.D RRFAL3 = BM047467.D
RRFAL4 = BM047468.D RRFAL5 = BM047469.D RRFAL6 = BM047470.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.398	1.619	1.438	1.644	1.627		1.545	7.6
4-Chlorophenyl-phenylether	0.644	0.743	0.663	0.759	0.770		0.716	8.1
4-Nitroaniline		0.314	0.322	0.356	0.303	0.279	0.315	8.9
4,6-Dinitro-2-methylphenol		0.096	0.097	0.120	0.136	0.148	0.120	19.6
N-Nitrosodiphenylamine	0.565	0.660	0.577	0.641	0.666		0.622	7.6
1,2,4,5-Tetrachlorobenzene	0.525	0.606	0.541	0.621	0.675		0.594	10.3
4-Bromophenyl-phenylether	0.187	0.217	0.189	0.212	0.230		0.207	8.9
Hexachlorobenzene	0.219	0.250	0.215	0.241	0.257		0.236	7.9
Atrazine		0.222	0.197	0.220	0.238	0.215	0.218	6.8
Pentachlorophenol		0.130	0.123	0.149	0.166	0.177	0.149	15.3
2-Methylphenol		1.445	1.298	1.454	1.516	1.551	1.453	6.7
Phenanthrene	1.036	1.208	1.055	1.181	1.225		1.141	7.8
Pentachlorobenzene	0.270	0.304	0.260	0.291	0.312		0.287	7.8
Anthracene	1.046	1.229	1.072	1.205	1.224		1.155	7.7
1,2,3,4-Tetrachlorobenzene	0.261	0.303	0.268	0.301	0.322		0.291	8.9
Carbazole		1.152	1.002	1.115	1.136	0.876	1.056	11.1
Di-n-butylphthalate	1.222	1.463	1.309	1.466	1.349		1.362	7.7
Fluoranthene	1.253	1.459	1.274	1.448	1.435		1.374	7.4
Pyrene	1.357	1.587	1.377	1.548	1.453		1.464	6.9
Butylbenzylphthalate	0.564	0.684	0.620	0.710	0.764		0.668	11.7
3,3-Dichlorobenzidine		0.487	0.441	0.497	0.489	0.450	0.473	5.4
2,2-oxybis(1-Chloropropane)		2.439	2.104	2.269	2.259	2.111	2.237	6.2
Benzo(a)anthracene	1.304	1.532	1.341	1.493	1.473		1.429	7.0
Chrysene	1.223	1.404	1.239	1.370	1.354		1.318	6.2
Bis(2-ethylhexyl)phthalate	0.875	1.048	0.937	1.080	1.128		1.014	10.3
Di-n-octyl phthalate		1.561	1.417	1.686	1.852	1.472	1.598	10.9
Benzo(b)fluoranthene	1.123	1.332	1.170	1.347	1.447		1.284	10.4
Benzo(k)fluoranthene	1.109	1.306	1.163	1.320	1.407		1.261	9.7
Benzo(a)pyrene	1.040	1.224	1.089	1.251	1.293		1.179	9.2
Indeno(1,2,3-cd)pyrene	1.337	1.561	1.391	1.531	1.411		1.446	6.6
Dibenzo(a,h)anthracene	1.076	1.272	1.134	1.250	1.157		1.178	6.9
Benzo(g,h,i)perylene	1.035	1.209	1.071	1.170	1.040		1.105	7.2
Acetophenone		2.474	2.194	2.404	2.423	2.362	2.371	4.5
2,3,4,6-Tetrachlorophenol	0.247	0.305	0.283	0.329	0.360		0.305	14.2
1,4-Dioxane-d8	0.472	0.560	0.466	0.492	0.490		0.496	7.6
Pyridine-d5		1.624	1.436	1.589	1.634	1.639	1.584	5.4

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.: BM091024 SAS No.: BM091024 SDG No.: BM091024

Instrument ID: Calibration Date(s): 9/10/2024

Calibration Time(s): 17:23

LAB FILE ID: RRFAL1 = BM047465.D RRFAL2 = BM047466.D RRFAL3 = BM047467.D
RRFAL4 = BM047468.D RRFAL5 = BM047469.D RRFAL6 = BM047470.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.870	1.663	1.855	1.955	2.031	1.875	7.3
Bis-(2-Chloroethyl)ether-d8		1.224	1.093	1.166	1.187	1.165	1.167	4.1
2-Chlorophenol-d4	1.254	1.509	1.336	1.484	1.556		1.428	8.9
4-Methylphenol-d8		1.462	1.332	1.489	1.539	1.546	1.474	5.9
Nitrobenzene-d5	0.133	0.160	0.144	0.165	0.171		0.154	10.0
2-Nitrophenol-d4	0.112	0.140	0.136	0.162	0.179		0.146	17.8
2,4-Dichlorophenol-d3	0.252	0.302	0.276	0.315	0.339		0.297	11.4
4-Chloroaniline-d4		0.501	0.437	0.487	0.508	0.494	0.486	5.8
4-Methylphenol		1.607	1.435	1.605	1.648	1.635	1.586	5.4
Dimethylphthalate-d6	1.368	1.554	1.352	1.510	1.567		1.470	7.0
Acenaphthylene-d8	1.613	1.857	1.625	1.859	1.915		1.774	8.1
4-Nitrophenol-d4		0.269	0.256	0.299	0.313	0.319	0.291	9.4
Fluorene-d10	1.173	1.343	1.155	1.314	1.367		1.270	7.8
4,6-Dinitro-2-methylphenol-		0.080	0.083	0.107	0.122	0.137	0.106	23.1
Anthracene-d10	0.874	1.018	0.895	0.994	1.035		0.963	7.6
Pyrene-d10	1.044	1.225	1.067	1.217	1.275		1.166	8.8
Benzo(a)pyrene-d12	0.919	1.099	0.982	1.126	1.189		1.063	10.4
N-Nitroso-di-n-propylamine	1.128	1.350	1.202	1.313	1.299		1.259	7.3

All other compounds must meet a minimum RRF of 0.010.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM091024 SAS No.: BM091024 SDG NO.: BM091024

EPA Sample No.: SSTD020015 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BM047467.D Time Analyzed: 22:41

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	398319	7.875	1.77192e+0(	10.67	1.08484e+00(	14.50
	UPPER LIMIT	796638	8.375	3543840	11.169	2169680	15.004
	LOWER LIMIT	199159.5	7.375	885960	10.169	542420	14.004
	EPA SAMPLE NO.						
01	SICV019	467658	7.88	2.08226e	10.67	1.29194e	14.50

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.: BM091024 SAS No.: BM091024 SDG NO.: BM091024

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.: BM091024 SAS No.: BM091024 SDG NO.: BM091024

EPA Sample No.: SSTD020015 Date Analyzed: Sep 10 2024 12:00AM

Lab File ID: BM047467.D Time Analyzed: 22:41

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2.16417e+0(	17.23(	2.00873e+	21.46(	2.27666e+0(	24.521
	UPPER LIMIT	4328340	17.73(	4017460	21.96(	4553320	25.021
	LOWER LIMIT	1082085	16.73(	1004365	20.96(	1138330	24.021
	EPA SAMPLE NO.						
01	SICV019	2.56769	17.23	2.38403e+	21.47	2.5779e+0	24.52

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.: BM091024 SAS No.: BM091024 SDG NO.: BM091024

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.: BM091024

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.: BM091024

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.: BM091024 SAS No.: BM091024 SDG NO.: BM091024

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: BM091024

Lab Code: CHEM SAS No.: BM091024 SDG NO.: BM091024

Lab File ID: BM047464.D DFTPP Injection Date: 09/10/2024

Instrument ID: BNA_M DFTPP Injection Time: 16:43

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.3
68	Less than 2.0% of mass 69	0.6 (1.4) 1
69	Mass 69 relative abundance	43.2
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	51.7
197	Less than 2.0% of mass 198	0.5
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	23.5
365	Greater than 1% of mass 198	2.9
441	Present, but less than mass 443	9.2
442	Greater than 50% of mass 198	57.9
443	15.0 - 24.0% of mass 442	10.9 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTD005013	SSTD00530	BM047465.D	09/10/2024	17:23
SSTD010014	SSTD01031	BM047466.D	09/10/2024	18:03
SSTD020015	SSTD02032	BM047467.D	09/10/2024	18:43
SSTD040016	SSTD04033	BM047468.D	09/10/2024	19:22
SSTD080017	SSTD08034	BM047469.D	09/10/2024	20:02
SSTD160018	SSTD16035	BM047470.D	09/10/2024	20:42
SICV019	SSTDICV020	BM047471.D	09/10/2024	22:41