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.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: BNA_M Calibration Date/Time: 8/2/2024 12: 18:25

Lab File ID: BM046954.D Init. Calib. Date(s):

EPA Sample No.: SICV012 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	0.449	0.010	-20.0578	40.0
Benzaldehyde	0.873	0.942	0.010	7.9376	40.0
Pyridine	1.363	1.233	0.010	-9.5539	40.0
Phenol	1.530	1.518	0.080	-0.7967	20.0
Bis(2-Chloroethyl)ether	1.304	1.243	0.100	-4.7129	20.0
2-Chlorophenol	1.304	1.247	0.200	-4.3689	20.0
2-Methylphenol	1.166	1.148	0.010	-1.4647	20.0
2,2-oxybis(1-Chloropropane)	1.563	1.535	0.010	-1.7514	40.0
Acetophenone	1.894	1.955	0.060	3.2234	20.0
4-Methylphenol	1.259	1.235	0.010	-1.9087	20.0
N-Nitroso-di-n-propylamine	0.999	1.015	0.050	1.6401	30.0
Hexachloroethane	0.635	0.582	0.100	-8.4132	20.0
Nitrobenzene	0.429	0.405	0.050	-5.6538	25.0
Isophorone	0.734	0.715	0.050	-2.4908	25.0
2-Nitrophenol	0.192	0.186	0.050	-3.0671	25.0
2,4-Dimethylphenol	0.378	0.319	0.050	-15.7143	25.0
Bis(2-Chloroethoxy)methane	0.452	0.431	0.050	-4.6801	20.0
2,4-Dichlorophenol	0.336	0.323	0.060	-3.7689	20.0
Naphthalene	1.059	1.013	0.200	-4.3693	20.0
4-Chloroaniline	0.429	0.438	0.010	2.0049	40.0
Hexachlorobutadiene	0.242	0.223	0.040	-7.8406	30.0
Caprolactam	0.102	0.104	0.010	2.8015	40.0
4-Chloro-3-methylphenol	0.346	0.342	0.040	-1.129	25.0
1-Methylnaphthalene	0.749	0.694	0.100	-7.2359	20.0
2-Methylnaphthalene	0.739	0.745	0.100	0.7937	20.0
Hexachlorocyclopentadiene	0.413	0.341	0.010	-17.3764	40.0
2,4,6-Trichlorophenol	0.411	0.398	0.090	-2.9998	25.0
2,4,5-Trichlorophenol	0.443	0.421	0.100	-5.0573	25.0
1,1-Biphenyl	1.496	1.414	0.200	-5.5117	20.0
2-Chloronaphthalene	1.188	1.112	0.300	-6.3995	20.0
2-Nitroaniline	0.361	0.353	0.050	-2.1417	40.0
Dimethylphthalate	1.534	1.455	0.300	-5.149	20.0
2,6-Dinitrotoluene	0.298	0.313	0.080	4.864	30.0
Acenaphthylene	1.803	1.767	0.400	-1.9852	20.0
3-Nitroaniline	0.304	0.329	0.010	8.1539	40.0
Acenaphthene	1.300	1.222	0.200	-5.9849	20.0
2,4-Dinitrophenol	0.210	0.184	0.010	-12.4995	40.0
4-Nitrophenol	0.299	0.268	0.010	-10.2763	40.0
Dibenzofuran	1.824	1.728	0.300	-5.2421	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: BNA_M Calibration Date/Time: 8/2/2024 12: 18:25

Lab File ID: BM046954.D Init. Calib. Date(s):

EPA Sample No.: SICV012 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.456	0.446	0.070	-2.2335	30.0
Diethylphthalate	1.651	1.566	0.300	-5.1392	20.0
Fluorene	1.504	1.402	0.200	-6.795	20.0
4-Chlorophenyl-phenylether	0.741	0.680	0.100	-8.1496	20.0
4-Nitroaniline	0.300	0.340	0.010	13.3114	40.0
4,6-Dinitro-2-methylphenol	0.138	0.130	0.010	-6.2385	40.0
N-Nitrosodiphenylamine	0.593	0.579	0.050	-2.2657	20.0
1,2,4,5-Tetrachlorobenzene	0.627	0.587	0.100	-6.4429	20.0
4-Bromophenyl-phenylether	0.216	0.208	0.070	-3.9013	20.0
Hexachlorobenzene	0.255	0.244	0.050	-4.3565	25.0
Atrazine	0.233	0.221	0.010	-4.8732	25.0
Pentachlorophenol	0.173	0.164	0.010	-5.1889	40.0
Phenanthrene	1.121	1.073	0.200	-4.3262	20.0
Pentachlorobenzene	0.298	0.263	0.050	-11.7037	20.0
Anthracene	1.131	1.083	0.200	-4.2303	20.0
1,2,3,4-Tetrachlorobenzene	0.288	0.266	0.050	-7.431	20.0
Carbazole	1.048	1.028	0.050	-1.9129	40.0
Di-n-butylphthalate	1.333	1.281	0.500	-3.9047	25.0
Fluoranthene	1.368	1.282	0.400	-6.3348	25.0
Pyrene	1.458	1.359	0.400	-6.7807	25.0
Butylbenzylphthalate	0.637	0.622	0.100	-2.3525	40.0
3,3-Dichlorobenzidine	0.490	0.525	0.010	7.0226	40.0
Benzo(a)anthracene	1.461	1.378	0.300	-5.6844	30.0
Chrysene	1.393	1.304	0.200	-6.3812	30.0
Bis(2-ethylhexyl)phthalate	0.930	0.915	0.200	-1.6179	40.0
Di-n-octyl phthalate	1.411	1.326	0.010	-6.0227	40.0
Benzo(b)fluoranthene	1.237	1.209	0.200	-2.2501	25.0
Benzo(k)fluoranthene	1.223	1.169	0.200	-4.3654	25.0
Benzo(a)pyrene	1.153	1.137	0.200	-1.3111	20.0
Indeno(1,2,3-cd)pyrene	1.477	1.367	0.200	-7.4416	25.0
Dibenzo(a,h)anthracene	1.186	1.112	0.200	-6.2703	30.0
Benzo(g,h,i)perylene	1.167	1.043	0.200	-10.5988	30.0
2,3,4,6-Tetrachlorophenol	0.394	0.399	0.040	1.1541	20.0
1,4-Dioxane-d8	0.505	0.442	0.010	-12.3801	25.0
Pyridine-d5	1.377	1.283	0.010	-6.8027	40.0
Phenol-d5	1.519	1.512	0.010	-0.462	25.0
Bis-(2-Chloroethyl)ether-d8	1.000	1.037	0.050	3.7085	25.0
2-Chlorophenol-d4	1.287	1.245	0.200	-3.2397	20.0
4-Methylphenol-d8	1.204	1.228	0.010	2.037	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: BNA_M Calibration Date/Time: 8/2/2024 12: 18:25

Lab File ID: BM046954.D Init. Calib. Date(s):

EPA Sample No.: SICV012 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.160	0.158	0.050	-1.842	20.0
2-Nitrophenol-d4	0.175	0.173	0.050	-1.4013	30.0
2,4-Dichlorophenol-d3	0.336	0.339	0.060	0.8875	20.0
4-Chloroaniline-d4	0.442	0.445	0.010	0.6737	40.0
Dimethylphthalate-d6	1.529	1.518	0.300	-0.7096	20.0
Acenaphthylene-d8	1.707	1.690	0.400	-0.9743	20.0
4-Nitrophenol-d4	0.296	0.291	0.010	-1.7388	40.0
Fluorene-d10	1.308	1.277	0.100	-2.3468	20.0
4,6-Dinitro-2-methylphenol-d2	0.126	0.124	0.010	-1.9379	40.0
Anthracene-d10	0.948	0.935	0.300	-1.3599	20.0
Pyrene-d10	1.145	1.110	0.300	-3.0599	25.0
Benzo(a)pyrene-d12	1.053	1.051	0.010	-0.1761	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.: BM080224

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.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: Calibration Date(s): 8/2/2024 1:

Calibration Time(s): 14:20

LAB FILE ID: RRFAL1 = BM046948.D RRFAL2 = BM046949.D RRFAL3 = BM046950.D
RRFAL4 = BM046951.D RRFAL5 = BM046952.D RRFAL6 = BM046953.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.604	0.586	0.564	0.535	0.519		0.562	6.3
Benzaldehyde		1.071	1.003	0.951	0.797	0.541	0.873	24.2
Pyridine		1.529	1.467	1.345	1.287	1.188	1.363	10.0
Hexachloroethane	0.609	0.675	0.641	0.629	0.622		0.635	3.9
Nitrobenzene	0.406	0.466	0.443	0.421	0.407		0.429	6.0
Isophorone	0.695	0.796	0.753	0.722	0.701		0.734	5.7
2-Nitrophenol	0.166	0.199	0.199	0.198	0.196		0.192	7.7
2,4-Dimethylphenol	0.358	0.407	0.390	0.374	0.360		0.378	5.5
Bis(2-Chloroethoxy)methane	0.420	0.485	0.458	0.454	0.443		0.452	5.3
2,4-Dichlorophenol	0.309	0.353	0.344	0.339	0.333		0.336	5.0
Naphthalene	1.030	1.167	1.092	1.020	0.986		1.059	6.8
4-Chloroaniline		0.477	0.450	0.424	0.407	0.390	0.429	8.1
Hexachlorobutadiene	0.231	0.261	0.242	0.241	0.236		0.242	4.8
Phenol		1.694	1.629	1.509	1.439	1.379	1.530	8.5
Caprolactam		0.095	0.097	0.102	0.109	0.105	0.102	5.4
4-Chloro-3-methylphenol	0.297	0.372	0.355	0.355	0.351		0.346	8.2
1-Methylnaphthalene	0.704	0.812	0.766	0.737	0.724		0.749	5.6
2-Methylnaphthalene	0.678	0.802	0.759	0.737	0.722		0.739	6.2
Hexachlorocyclopentadiene		0.397	0.395	0.403	0.413	0.457	0.413	6.2
2,4,6-Trichlorophenol	0.365	0.431	0.421	0.415	0.421		0.411	6.4
2,4,5-Trichlorophenol	0.400	0.477	0.442	0.445	0.453		0.443	6.3
1,1-Biphenyl	1.479	1.640	1.539	1.432	1.392		1.496	6.5
2-Chloronaphthalene	1.165	1.318	1.227	1.136	1.095		1.188	7.3
2-Nitroaniline	0.302	0.377	0.373	0.372	0.382		0.361	9.2
Bis(2-Chloroethyl)ether		1.417	1.353	1.320	1.273	1.159	1.304	7.4
Dimethylphthalate	1.466	1.666	1.551	1.508	1.481		1.534	5.2
2,6-Dinitrotoluene	0.250	0.303	0.294	0.318	0.326		0.298	9.9
Acenaphthylene	1.691	1.997	1.889	1.735	1.702		1.803	7.5
3-Nitroaniline		0.299	0.307	0.322	0.314	0.276	0.304	5.8
Acenaphthene	1.244	1.422	1.343	1.259	1.231		1.300	6.2
2,4-Dinitrophenol		0.179	0.187	0.213	0.235	0.239	0.210	13.0
4-Nitrophenol		0.328	0.315	0.296	0.290	0.268	0.299	7.7
Dibenzofuran	1.742	2.030	1.878	1.763	1.708		1.824	7.2
2,4-Dinitrotoluene	0.377	0.473	0.475	0.481	0.474		0.456	9.7
Diethylphthalate	1.516	1.795	1.678	1.664	1.600		1.651	6.3
2-Chlorophenol	1.206	1.416	1.363	1.288	1.246		1.304	6.6

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.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: Calibration Date(s): 8/2/2024 1:

Calibration Time(s): 14:20

LAB FILE ID: RRFAL1 = BM046948.D RRFAL2 = BM046949.D RRFAL3 = BM046950.D
RRFAL4 = BM046951.D RRFAL5 = BM046952.D RRFAL6 = BM046953.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.417	1.657	1.545	1.472	1.432		1.504	6.5
4-Chlorophenyl-phenylether	0.728	0.808	0.746	0.711	0.710		0.741	5.5
4-Nitroaniline		0.325	0.323	0.314	0.292	0.247	0.300	10.8
4,6-Dinitro-2-methylphenol		0.134	0.138	0.143	0.139	0.138	0.138	2.4
N-Nitrosodiphenylamine	0.578	0.647	0.607	0.584	0.548		0.593	6.2
1,2,4,5-Tetrachlorobenzene	0.594	0.677	0.636	0.622	0.607		0.627	5.1
4-Bromophenyl-phenylether	0.204	0.233	0.217	0.220	0.209		0.216	5.2
Hexachlorobenzene	0.237	0.278	0.257	0.257	0.246		0.255	6.0
Atrazine		0.242	0.229	0.237	0.227	0.227	0.233	2.9
Pentachlorophenol		0.168	0.163	0.174	0.176	0.181	0.173	4.1
2-Methylphenol		1.232	1.196	1.171	1.134	1.094	1.166	4.6
Phenanthrene	1.064	1.239	1.139	1.100	1.063		1.121	6.5
Pentachlorobenzene	0.295	0.323	0.296	0.293	0.283		0.298	4.9
Anthracene	1.070	1.270	1.155	1.101	1.058		1.131	7.6
1,2,3,4-Tetrachlorobenzene	0.281	0.304	0.289	0.285	0.280		0.288	3.3
Carbazole		1.152	1.083	1.052	1.004	0.950	1.048	7.3
Di-n-butylphthalate	1.196	1.459	1.341	1.373	1.294		1.333	7.3
Fluoranthene	1.232	1.399	1.359	1.419	1.432		1.368	5.9
Pyrene	1.348	1.522	1.446	1.472	1.501		1.458	4.7
Butylbenzylphthalate	0.541	0.650	0.623	0.688	0.685		0.637	9.4
3,3-Dichlorobenzidine		0.494	0.471	0.501	0.505	0.480	0.490	2.9
2,2-oxybis(1-Chloropropane)		1.718	1.632	1.610	1.534	1.320	1.563	9.6
Benzo(a)anthracene	1.340	1.546	1.465	1.473	1.479		1.461	5.1
Chrysene	1.332	1.476	1.399	1.389	1.370		1.393	3.8
Bis(2-ethylhexyl)phthalate	0.810	0.977	0.907	0.995	0.962		0.930	8.0
Di-n-octyl phthalate		1.313	1.264	1.470	1.464	1.543	1.411	8.3
Benzo(b)fluoranthene	1.139	1.269	1.234	1.260	1.284		1.237	4.7
Benzo(k)fluoranthene	1.087	1.278	1.225	1.261	1.262		1.223	6.4
Benzo(a)pyrene	1.022	1.220	1.165	1.172	1.183		1.153	6.6
Indeno(1,2,3-cd)pyrene	1.392	1.582	1.498	1.452	1.460		1.477	4.7
Dibenzo(a,h)anthracene	1.125	1.287	1.202	1.156	1.161		1.186	5.3
Benzo(g,h,i)perylene	1.084	1.244	1.189	1.151	1.165		1.167	5.0
Acetophenone		2.160	1.999	1.821	1.782	1.710	1.894	9.6
2,3,4,6-Tetrachlorophenol	0.351	0.413	0.394	0.403	0.410		0.394	6.4
1,4-Dioxane-d8	0.458	0.565	0.507	0.498	0.497		0.505	7.6
Pyridine-d5		1.527	1.467	1.356	1.317	1.218	1.377	8.9

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.: BM080224 SAS No.: BM080224 SDG No.: BM080224

Instrument ID: Calibration Date(s): 8/2/2024 1:

Calibration Time(s): 14:20

LAB FILE ID: RRFAL1 = BM046948.D RRFAL2 = BM046949.D RRFAL3 = BM046950.D
RRFAL4 = BM046951.D RRFAL5 = BM046952.D RRFAL6 = BM046953.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.649	1.583	1.512	1.466	1.385	1.519	6.7
Bis-(2-Chloroethyl)ether-d8		1.113	1.047	1.004	0.974	0.860	1.000	9.4
2-Chlorophenol-d4	1.180	1.377	1.326	1.293	1.258		1.287	5.8
4-Methylphenol-d8		1.275	1.225	1.198	1.195	1.126	1.204	4.5
Nitrobenzene-d5	0.145	0.172	0.167	0.158	0.160		0.160	6.4
2-Nitrophenol-d4	0.149	0.181	0.179	0.182	0.185		0.175	8.6
2,4-Dichlorophenol-d3	0.294	0.353	0.347	0.346	0.342		0.336	7.1
4-Chloroaniline-d4		0.478	0.457	0.441	0.431	0.404	0.442	6.3
4-Methylphenol		1.344	1.320	1.266	1.216	1.150	1.259	6.2
Dimethylphthalate-d6	1.423	1.651	1.545	1.516	1.511		1.529	5.4
Acenaphthylene-d8	1.569	1.851	1.755	1.691	1.668		1.707	6.1
4-Nitrophenol-d4		0.300	0.287	0.301	0.304	0.286	0.296	2.9
Fluorene-d10	1.211	1.440	1.346	1.292	1.252		1.308	6.8
4,6-Dinitro-2-methylphenol-		0.122	0.121	0.131	0.129	0.129	0.126	3.6
Anthracene-d10	0.893	1.049	0.971	0.932	0.896		0.948	6.8
Pyrene-d10	1.027	1.170	1.134	1.178	1.215		1.145	6.3
Benzo(a)pyrene-d12	0.926	1.091	1.063	1.081	1.104		1.053	6.9
N-Nitroso-di-n-propylamine	0.952	1.099	1.047	0.961	0.936		0.999	7.1

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.: BM080224 SAS No.: BM080224 SDG NO.: BM080224

EPA Sample No.: SSTD020008 Date Analyzed: Aug 2 2024 12:00AM

Lab File ID: BM046950.D Time Analyzed: 18:25

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	99153	7.404	374990	10.16	246433	14.06
	UPPER LIMIT	198306	7.904	749980	10.663	492866	14.563
	LOWER LIMIT	49576.5	6.904	187495	9.663	123216.5	13.563
	EPA SAMPLE NO.						
01	SICV012	140703	7.40	544544	10.16	377855	14.06

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.: BM080224 SAS No.: BM080224 SDG NO.: BM080224

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.: BM080224 SAS No.: BM080224 SDG NO.: BM080224

EPA Sample No.: SSTD020008 Date Analyzed: Aug 2 2024 12:00AM

Lab File ID: BM046950.D Time Analyzed: 18:25

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	547169	16.821	545699	21.056	700590	23.774
	UPPER LIMIT	1094338	17.321	1091398	21.556	1401180	24.274
	LOWER LIMIT	273584.5	16.321	272849.5	20.556	350295	23.274
	EPA SAMPLE NO.						
01	SICV012	823296	16.82	815703	21.06	987186	23.77

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.: BM080224 SAS No.: BM080224 SDG NO.: BM080224

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.: BM080224

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.: BM080224

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	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.: BM080224 SAS No.: BM080224 SDG NO.: BM080224

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: BM080224

Lab Code: CHEM SAS No.: BM080224 SDG NO.: BM080224

Lab File ID: BM046947.D DFTPP Injection Date: 08/02/2024

Instrument ID: BNA_M DFTPP Injection Time: 13:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.5
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	46.5
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	50.2
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	7
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	9.9
442	Greater than 50% of mass 198	59.5
443	15.0 - 24.0% of mass 442	12.1 (20.4) 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
SSTD005006	SSTD00524	BM046948.D	08/02/2024	14:20
SSTD010007	SSTD01025	BM046949.D	08/02/2024	15:01
SSTD020008	SSTD02026	BM046950.D	08/02/2024	15:41
SSTD040009	SSTD04027	BM046951.D	08/02/2024	16:22
SSTD080010	SSTD08028	BM046952.D	08/02/2024	17:03
SSTD160011	SSTD16029	BM046953.D	08/02/2024	17:44
SICV012	SSTDICV020	BM046954.D	08/02/2024	18:25