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.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: BNA_P Calibration Date/Time: 8/23/2024 12 17:45

Lab File ID: BP021630.D Init. Calib. Date(s):

EPA Sample No.: SICV608 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.640	0.541	0.010	-15.5076	40.0
Benzaldehyde	1.092	1.173	0.010	7.4422	40.0
Pyridine	1.741	1.470	0.010	-15.5744	40.0
Phenol	2.226	2.143	0.080	-3.7034	20.0
Bis(2-Chloroethyl)ether	1.730	1.695	0.100	-2.0277	20.0
2-Chlorophenol	1.446	1.394	0.200	-3.6515	20.0
2-Methylphenol	1.606	1.545	0.010	-3.8012	20.0
2,2-oxybis(1-Chloropropane)	1.670	1.653	0.010	-1.0148	40.0
Acetophenone	2.644	2.719	0.060	2.8336	20.0
4-Methylphenol	1.758	1.726	0.010	-1.8247	20.0
N-Nitroso-di-n-propylamine	1.248	1.272	0.050	1.929	30.0
Hexachloroethane	0.647	0.625	0.100	-3.3473	20.0
Nitrobenzene	0.449	0.415	0.050	-7.5728	25.0
Isophorone	0.900	0.837	0.050	-7.0445	25.0
2-Nitrophenol	0.181	0.174	0.050	-3.7325	25.0
2,4-Dimethylphenol	0.444	0.364	0.050	-17.9849	25.0
Bis(2-Chloroethoxy)methane	0.565	0.523	0.050	-7.3498	20.0
2,4-Dichlorophenol	0.323	0.302	0.060	-6.659	20.0
Naphthalene	1.127	1.032	0.200	-8.4551	20.0
4-Chloroaniline	0.473	0.451	0.010	-4.5787	40.0
Hexachlorobutadiene	0.217	0.197	0.040	-9.1783	30.0
Caprolactam	0.137	0.128	0.010	-6.6432	40.0
4-Chloro-3-methylphenol	0.428	0.404	0.040	-5.6566	25.0
1-Methylnaphthalene	0.767	0.680	0.100	-11.2746	20.0
2-Methylnaphthalene	0.762	0.722	0.100	-5.2797	20.0
Hexachlorocyclopentadiene	0.362	0.320	0.010	-11.6303	40.0
2,4,6-Trichlorophenol	0.406	0.380	0.090	-6.4363	25.0
2,4,5-Trichlorophenol	0.438	0.408	0.100	-6.8982	25.0
1,1-Biphenyl	1.513	1.417	0.200	-6.3404	20.0
2-Chloronaphthalene	1.186	1.073	0.300	-9.598	20.0
2-Nitroaniline	0.372	0.356	0.050	-4.1066	40.0
Dimethylphthalate	1.532	1.388	0.300	-9.3916	20.0
2,6-Dinitrotoluene	0.283	0.294	0.080	4.0523	30.0
Acenaphthylene	1.848	1.743	0.400	-5.6865	20.0
3-Nitroaniline	0.309	0.323	0.010	4.5277	40.0
Acenaphthene	1.300	1.185	0.200	-8.7939	20.0
2,4-Dinitrophenol	0.169	0.147	0.010	-13.3749	40.0
4-Nitrophenol	0.267	0.240	0.010	-9.9933	40.0
Dibenzofuran	1.798	1.658	0.300	-7.7839	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: BNA_P Calibration Date/Time: 8/23/2024 12 17:45

Lab File ID: BP021630.D Init. Calib. Date(s):

EPA Sample No.: SICV608 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.425	0.409	0.070	-3.7046	30.0
Diethylphthalate	1.539	1.391	0.300	-9.5862	20.0
Fluorene	1.454	1.319	0.200	-9.2844	20.0
4-Chlorophenyl-phenylether	0.731	0.659	0.100	-9.8506	20.0
4-Nitroaniline	0.298	0.331	0.010	10.7564	40.0
4,6-Dinitro-2-methylphenol	0.123	0.112	0.010	-8.5965	40.0
N-Nitrosodiphenylamine	0.588	0.539	0.050	-8.3995	20.0
1,2,4,5-Tetrachlorobenzene	0.630	0.583	0.100	-7.5059	20.0
4-Bromophenyl-phenylether	0.221	0.197	0.070	-10.6617	20.0
Hexachlorobenzene	0.262	0.235	0.050	-10.2175	25.0
Atrazine	0.223	0.203	0.010	-9.0142	25.0
Pentachlorophenol	0.168	0.153	0.010	-8.5925	40.0
Phenanthrene	1.098	0.980	0.200	-10.7304	20.0
Pentachlorobenzene	0.308	0.260	0.050	-15.5148	20.0
Anthracene	1.112	1.008	0.200	-9.4179	20.0
1,2,3,4-Tetrachlorobenzene	0.297	0.269	0.050	-9.5769	20.0
Carbazole	1.000	0.942	0.050	-5.817	40.0
Di-n-butylphthalate	1.218	1.139	0.500	-6.5069	25.0
Fluoranthene	1.334	1.226	0.400	-8.0796	25.0
Pyrene	1.413	1.274	0.400	-9.8557	25.0
Butylbenzylphthalate	0.579	0.546	0.100	-5.5499	40.0
3,3-Dichlorobenzidine	0.504	0.509	0.010	0.977	40.0
Benzo(a)anthracene	1.423	1.290	0.300	-9.3473	30.0
Chrysene	1.339	1.216	0.200	-9.1654	30.0
Bis(2-ethylhexyl)phthalate	0.854	0.803	0.200	-5.9391	40.0
Di-n-octyl phthalate	1.266	1.153	0.010	-8.9266	40.0
Benzo(b)fluoranthene	1.251	1.109	0.200	-11.3597	25.0
Benzo(k)fluoranthene	1.225	1.109	0.200	-9.4852	25.0
Benzo(a)pyrene	1.153	1.075	0.200	-6.7162	20.0
Indeno(1,2,3-cd)pyrene	1.487	1.360	0.200	-8.4921	25.0
Dibenzo(a,h)anthracene	1.195	1.111	0.200	-6.9762	30.0
Benzo(g,h,i)perylene	1.149	1.038	0.200	-9.5856	30.0
2,3,4,6-Tetrachlorophenol	0.378	0.373	0.040	-1.2251	20.0
1,4-Dioxane-d8	0.602	0.482	0.010	-19.9325	25.0
Pyridine-d5	1.742	1.597	0.010	-8.3712	40.0
Phenol-d5	2.134	2.094	0.010	-1.8847	25.0
Bis-(2-Chloroethyl)ether-d8	1.162	1.252	0.050	7.8169	25.0
2-Chlorophenol-d4	1.378	1.368	0.200	-0.7563	20.0
4-Methylphenol-d8	1.649	1.650	0.010	0.0193	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: BNA_P Calibration Date/Time: 8/23/2024 12 17:45

Lab File ID: BP021630.D Init. Calib. Date(s):

EPA Sample No.: SICV608 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.161	0.156	0.050	-2.7548	20.0
2-Nitrophenol-d4	0.163	0.161	0.050	-1.527	30.0
2,4-Dichlorophenol-d3	0.322	0.314	0.060	-2.3548	20.0
4-Chloroaniline-d4	0.468	0.450	0.010	-3.9753	40.0
Dimethylphthalate-d6	1.530	1.441	0.300	-5.85	20.0
Acenaphthylene-d8	1.718	1.653	0.400	-3.7929	20.0
4-Nitrophenol-d4	0.291	0.277	0.010	-5.0221	40.0
Fluorene-d10	1.287	1.196	0.100	-7.038	20.0
4,6-Dinitro-2-methylphenol-d2	0.110	0.104	0.010	-5.9073	40.0
Anthracene-d10	0.949	0.873	0.300	-8.0631	20.0
Pyrene-d10	1.143	1.073	0.300	-6.1632	25.0
Benzo(a)pyrene-d12	1.066	1.007	0.010	-5.5524	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.: BP082324

Client:

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

Total Concentration:

CHEMTECH

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: Calibration Date(s): 8/23/2024

Calibration Time(s): 13:31

LAB FILE ID: RRFAL1 = BP021624.D RRFAL2 = BP021625.D RRFAL3 = BP021626.D
RRFAL4 = BP021627.D RRFAL5 = BP021628.D RRFAL6 = BP021629.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.625	0.724	0.612	0.623	0.618		0.640	7.4
Benzaldehyde		1.273	1.338	1.223	0.925	0.699	1.092	24.8
Pyridine		1.953	1.708	1.739	1.704	1.603	1.741	7.4
Hexachloroethane	0.602	0.700	0.643	0.643	0.645		0.647	5.4
Nitrobenzene	0.406	0.482	0.459	0.453	0.444		0.449	6.1
Isophorone	0.810	0.975	0.909	0.919	0.890		0.900	6.6
2-Nitrophenol	0.148	0.186	0.185	0.192	0.195		0.181	10.5
2,4-Dimethylphenol	0.408	0.473	0.448	0.446	0.445		0.444	5.2
Bis(2-Chloroethoxy)methane	0.534	0.612	0.570	0.569	0.540		0.565	5.5
2,4-Dichlorophenol	0.290	0.344	0.325	0.333	0.325		0.323	6.3
Naphthalene	1.087	1.229	1.127	1.111	1.081		1.127	5.3
4-Chloroaniline		0.521	0.473	0.472	0.467	0.430	0.473	6.9
Hexachlorobutadiene	0.213	0.237	0.217	0.214	0.205		0.217	5.5
Phenol		2.299	2.179	2.221	2.270	2.159	2.226	2.7
Caprolactam		0.144	0.129	0.140	0.141	0.130	0.137	5.2
4-Chloro-3-methylphenol	0.374	0.456	0.428	0.444	0.439		0.428	7.4
1-Methylnaphthalene	0.719	0.841	0.771	0.765	0.738		0.767	6.1
2-Methylnaphthalene	0.712	0.834	0.767	0.763	0.736		0.762	6.0
Hexachlorocyclopentadiene		0.339	0.358	0.370	0.370	0.372	0.362	3.9
2,4,6-Trichlorophenol	0.353	0.423	0.409	0.419	0.425		0.406	7.4
2,4,5-Trichlorophenol	0.377	0.455	0.442	0.456	0.462		0.438	8.0
1,1-Biphenyl	1.437	1.635	1.535	1.507	1.452		1.513	5.2
2-Chloronaphthalene	1.127	1.278	1.189	1.181	1.157		1.186	4.8
2-Nitroaniline	0.306	0.380	0.375	0.397	0.399		0.372	10.2
Bis(2-Chloroethyl)ether		1.837	1.744	1.726	1.722	1.622	1.730	4.4
Dimethylphthalate	1.483	1.670	1.529	1.519	1.461		1.532	5.3
2,6-Dinitrotoluene	0.224	0.281	0.285	0.303	0.320		0.283	12.9
Acenaphthylene	1.724	2.023	1.870	1.845	1.776		1.848	6.2
3-Nitroaniline		0.310	0.314	0.328	0.310	0.282	0.309	5.4
Acenaphthene	1.231	1.435	1.307	1.287	1.238		1.300	6.3
2,4-Dinitrophenol		0.135	0.145	0.170	0.195	0.201	0.169	17.4
4-Nitrophenol		0.285	0.258	0.267	0.273	0.250	0.267	5.0
Dibenzofuran	1.718	1.984	1.803	1.772	1.712		1.798	6.2
2,4-Dinitrotoluene	0.341	0.432	0.427	0.457	0.465		0.425	11.6
Diethylphthalate	1.494	1.683	1.523	1.524	1.470		1.539	5.4
2-Chlorophenol	1.308	1.526	1.444	1.467	1.487		1.446	5.7

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: Calibration Date(s): 8/23/2024

Calibration Time(s): 13:31

LAB FILE ID: RRFAL1 = BP021624.D RRFAL2 = BP021625.D RRFAL3 = BP021626.D
RRFAL4 = BP021627.D RRFAL5 = BP021628.D RRFAL6 = BP021629.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.426	1.625	1.486	1.418	1.316		1.454	7.8
4-Chlorophenyl-phenylether	0.726	0.804	0.744	0.710	0.670		0.731	6.7
4-Nitroaniline		0.318	0.328	0.325	0.284	0.238	0.298	12.7
4,6-Dinitro-2-methylphenol		0.110	0.118	0.126	0.132	0.130	0.123	7.6
N-Nitrosodiphenylamine	0.555	0.640	0.597	0.589	0.560		0.588	5.8
1,2,4,5-Tetrachlorobenzene	0.584	0.671	0.637	0.638	0.621		0.630	5.0
4-Bromophenyl-phenylether	0.210	0.232	0.225	0.221	0.216		0.221	3.9
Hexachlorobenzene	0.255	0.276	0.261	0.263	0.255		0.262	3.3
Atrazine		0.240	0.226	0.229	0.220	0.200	0.223	6.8
Pentachlorophenol		0.159	0.163	0.170	0.177	0.169	0.168	4.0
2-Methylphenol		1.629	1.578	1.614	1.649	1.557	1.606	2.3
Phenanthrene	1.066	1.193	1.102	1.100	1.030		1.098	5.5
Pentachlorobenzene	0.301	0.330	0.311	0.306	0.294		0.308	4.5
Anthracene	1.061	1.221	1.125	1.112	1.043		1.112	6.3
1,2,3,4-Tetrachlorobenzene	0.272	0.313	0.308	0.301	0.292		0.297	5.4
Carbazole		1.108	1.035	1.030	0.979	0.850	1.000	9.6
Di-n-butylphthalate	1.166	1.257	1.256	1.250	1.161		1.218	4.1
Fluoranthene	1.211	1.436	1.310	1.350	1.365		1.334	6.2
Pyrene	1.318	1.543	1.409	1.418	1.376		1.413	5.9
Butylbenzylphthalate	0.514	0.583	0.581	0.608	0.607		0.579	6.6
3,3-Dichlorobenzidine		0.529	0.519	0.509	0.496	0.467	0.504	4.8
2,2-oxybis(1-Chloropropane)		1.782	1.698	1.674	1.639	1.556	1.670	4.9
Benzo(a)anthracene	1.328	1.546	1.432	1.410	1.397		1.423	5.6
Chrysene	1.265	1.480	1.347	1.313	1.290		1.339	6.3
Bis(2-ethylhexyl)phthalate	0.795	0.855	0.879	0.886	0.854		0.854	4.2
Di-n-octyl phthalate		1.252	1.273	1.305	1.242	1.258	1.266	1.9
Benzo(b)fluoranthene	1.149	1.322	1.276	1.258	1.252		1.251	5.1
Benzo(k)fluoranthene	1.147	1.316	1.220	1.240	1.203		1.225	5.0
Benzo(a)pyrene	1.061	1.237	1.147	1.164	1.155		1.153	5.4
Indeno(1,2,3-cd)pyrene	1.388	1.613	1.385	1.515	1.533		1.487	6.6
Dibenzo(a,h)anthracene	1.115	1.304	1.117	1.215	1.220		1.195	6.7
Benzo(g,h,i)perylene	1.072	1.244	1.057	1.175	1.196		1.149	7.1
Acetophenone		2.841	2.694	2.687	2.616	2.383	2.644	6.3
2,3,4,6-Tetrachlorophenol	0.332	0.398	0.375	0.390	0.392		0.378	7.1
1,4-Dioxane-d8	0.590	0.684	0.570	0.585	0.583		0.602	7.7
Pyridine-d5		1.930	1.718	1.734	1.709	1.621	1.742	6.5

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.: BP082324 SAS No.: BP082324 SDG No.: BP082324

Instrument ID: Calibration Date(s): 8/23/2024

Calibration Time(s): 13:31

LAB FILE ID: RRFAL1 = BP021624.D RRFAL2 = BP021625.D RRFAL3 = BP021626.D
RRFAL4 = BP021627.D RRFAL5 = BP021628.D RRFAL6 = BP021629.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		2.173	2.061	2.130	2.201	2.106	2.134	2.6
Bis-(2-Chloroethyl)ether-d8		1.252	1.177	1.165	1.138	1.077	1.162	5.5
2-Chlorophenol-d4	1.237	1.471	1.370	1.385	1.427		1.378	6.4
4-Methylphenol-d8		1.668	1.617	1.666	1.695	1.600	1.649	2.4
Nitrobenzene-d5	0.142	0.167	0.161	0.166	0.169		0.161	6.7
2-Nitrophenol-d4	0.133	0.165	0.162	0.175	0.181		0.163	11.3
2,4-Dichlorophenol-d3	0.283	0.336	0.325	0.335	0.330		0.322	6.8
4-Chloroaniline-d4		0.514	0.461	0.471	0.463	0.431	0.468	6.4
4-Methylphenol		1.791	1.742	1.791	1.793	1.671	1.758	3.0
Dimethylphthalate-d6	1.476	1.675	1.507	1.517	1.476		1.530	5.4
Acenaphthylene-d8	1.563	1.846	1.736	1.754	1.691		1.718	6.0
4-Nitrophenol-d4		0.289	0.283	0.297	0.305	0.281	0.291	3.5
Fluorene-d10	1.226	1.420	1.273	1.271	1.244		1.287	6.0
4,6-Dinitro-2-methylphenol-		0.094	0.101	0.113	0.121	0.122	0.110	11.3
Anthracene-d10	0.916	1.023	0.961	0.950	0.896		0.949	5.1
Pyrene-d10	1.031	1.232	1.123	1.169	1.160		1.143	6.5
Benzo(a)pyrene-d12	0.977	1.131	1.055	1.079	1.090		1.066	5.3
N-Nitroso-di-n-propylamine	1.137	1.329	1.275	1.277	1.220		1.248	5.9

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.: BP082324 SAS No.: BP082324 SDG NO.: BP082324

EPA Sample No.: SSTD020604 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BP021626.D Time Analyzed: 17:45

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	319681	7.799	1.34042e+0(	10.59	880550	14.44
	UPPER LIMIT	639362	8.299	2680840	11.087	1761100	14.94
	LOWER LIMIT	159840.5	7.299	670210	10.087	440275	13.94
	EPA SAMPLE NO.						
01	SICV608	384209	7.80	1.72757e	10.59	1.15616e	14.44

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.: BP082324 SAS No.: BP082324 SDG NO.: BP082324

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.: BP082324 SAS No.: BP082324 SDG NO.: BP082324

EPA Sample No.: SSTD020604 Date Analyzed: Aug 23 2024 12:00AM

Lab File ID: BP021626.D Time Analyzed: 17:45

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.86215e+0(	17.23$	1.87257e+	21.71€	2.17081e+0(	25.127
	UPPER LIMIT	3724300	17.73$	3745140	22.21€	4341620	25.627
	LOWER LIMIT	931075	16.73$	936285	21.21€	1085405	24.627
	EPA SAMPLE NO.						
01	SICV608	2.49612	17.25	2.42858e+	21.70	2.90962e+	25.13

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.: BP082324 SAS No.: BP082324 SDG NO.: BP082324

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.: BP082324

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.: BP082324

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.: BP082324 SAS No.: BP082324 SDG NO.: BP082324

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: BP082324

Lab Code: CHEM SAS No.: BP082324 SDG NO.: BP082324

Lab File ID: BP021623.D DFTPP Injection Date: 08/23/2024

Instrument ID: BNA_P DFTPP Injection Time: 12:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	31.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	39
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	46
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	28.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.5
442	Greater than 50% of mass 198	86.4
443	15.0 - 24.0% of mass 442	17 (19.6) 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
SSTD005602	SSTD00525	BP021624.D	08/23/2024	13:31
SSTD010603	SSTD01026	BP021625.D	08/23/2024	14:13
SSTD020604	SSTD02027	BP021626.D	08/23/2024	14:55
SSTD040605	SSTD04028	BP021627.D	08/23/2024	15:37
SSTD080606	SSTD08029	BP021628.D	08/23/2024	16:19
SSTD160607	SSTD16030	BP021629.D	08/23/2024	17:02
SICV608	SSTDICV020	BP021630.D	08/23/2024	17:45