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.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: BNA_P Calibration Date/Time: 12/31/2024 1 16:25

Lab File ID: BP023599.D Init. Calib. Date(s):

EPA Sample No.: SICV648 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.520	0.518	0.010	-0.5136	40.0
Benzaldehyde	0.919	0.966	0.010	5.1118	40.0
Pyridine	1.456	1.295	0.010	-11.1144	40.0
Phenol	1.770	1.703	0.080	-3.7707	20.0
Bis(2-Chloroethyl)ether	1.395	1.363	0.100	-2.2971	20.0
2-Chlorophenol	1.362	1.339	0.200	-1.6742	20.0
2-Methylphenol	1.306	1.261	0.010	-3.4216	20.0
2,2-oxybis(1-Chloropropane)	1.504	1.500	0.010	-0.2453	40.0
Acetophenone	2.156	2.210	0.060	2.511	20.0
4-Methylphenol	1.424	1.402	0.010	-1.5335	20.0
N-Nitroso-di-n-propylamine	1.078	1.116	0.050	3.5093	30.0
Hexachloroethane	0.557	0.539	0.100	-3.1374	20.0
Nitrobenzene	0.355	0.347	0.050	-2.2685	25.0
Isophorone	0.728	0.718	0.050	-1.3062	25.0
2-Nitrophenol	0.147	0.151	0.050	2.6816	25.0
2,4-Dimethylphenol	0.341	0.296	0.050	-13.2242	25.0
Bis(2-Chloroethoxy)methane	0.441	0.430	0.050	-2.6861	20.0
2,4-Dichlorophenol	0.294	0.285	0.060	-2.8743	20.0
Naphthalene	1.064	1.028	0.200	-3.4247	20.0
4-Chloroaniline	0.439	0.451	0.010	2.896	40.0
Hexachlorobutadiene	0.185	0.178	0.040	-3.7059	30.0
Caprolactam	0.116	0.113	0.010	-2.449	40.0
4-Chloro-3-methylphenol	0.311	0.316	0.040	1.4366	25.0
1-Methylnaphthalene	0.725	0.684	0.100	-5.6825	20.0
2-Methylnaphthalene	0.729	0.730	0.100	0.0892	20.0
Hexachlorocyclopentadiene	0.295	0.252	0.010	-14.5832	40.0
2,4,6-Trichlorophenol	0.336	0.331	0.090	-1.5227	25.0
2,4,5-Trichlorophenol	0.370	0.363	0.100	-2.0047	25.0
1,1-Biphenyl	1.494	1.501	0.200	0.4603	20.0
2-Chloronaphthalene	1.156	1.106	0.300	-4.348	20.0
2-Nitroaniline	0.280	0.293	0.050	4.5622	40.0
Dimethylphthalate	1.436	1.392	0.300	-3.0168	20.0
2,6-Dinitrotoluene	0.250	0.283	0.080	13.5517	30.0
Acenaphthylene	1.813	1.817	0.400	0.2653	20.0
3-Nitroaniline	0.288	0.321	0.010	11.5802	40.0
Acenaphthene	1.264	1.237	0.200	-2.1353	20.0
2,4-Dinitrophenol	0.092	0.076	0.010	-16.9079	40.0
4-Nitrophenol	0.198	0.188	0.010	-4.9437	40.0
Dibenzofuran	1.722	1.710	0.300	-0.6986	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: BNA_P Calibration Date/Time: 12/31/2024 1 16:25

Lab File ID: BP023599.D Init. Calib. Date(s):

EPA Sample No.: SICV648 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.361	0.377	0.070	4.5743	30.0
Diethylphthalate	1.472	1.394	0.300	-5.2858	20.0
Fluorene	1.441	1.402	0.200	-2.6898	20.0
4-Chlorophenyl-phenylether	0.702	0.668	0.100	-4.7658	20.0
4-Nitroaniline	0.286	0.345	0.010	20.7431	40.0
4,6-Dinitro-2-methylphenol	0.093	0.078	0.010	-16.669	40.0
N-Nitrosodiphenylamine	0.608	0.589	0.050	-3.0775	20.0
1,2,4,5-Tetrachlorobenzene	0.583	0.567	0.100	-2.692	20.0
4-Bromophenyl-phenylether	0.207	0.198	0.070	-4.0341	20.0
Hexachlorobenzene	0.260	0.244	0.050	-6.152	25.0
Atrazine	0.230	0.204	0.010	-11.4523	25.0
Pentachlorophenol	0.147	0.131	0.010	-10.6067	40.0
Phenanthrene	1.111	1.063	0.200	-4.3464	20.0
Pentachlorobenzene	0.306	0.274	0.050	-10.6951	20.0
Anthracene	1.109	1.089	0.200	-1.8124	20.0
1,2,3,4-Tetrachlorobenzene	0.291	0.266	0.050	-8.6489	20.0
Carbazole	0.992	1.012	0.050	1.9948	40.0
Di-n-butylphthalate	1.193	1.187	0.500	-0.4539	25.0
Fluoranthene	1.167	1.189	0.400	1.9014	25.0
Pyrene	1.261	1.265	0.400	0.2906	25.0
Butylbenzylphthalate	0.460	0.447	0.100	-2.8969	40.0
3,3-Dichlorobenzidine	0.365	0.422	0.010	15.8752	40.0
Benzo(a)anthracene	1.279	1.247	0.300	-2.4906	30.0
Chrysene	1.185	1.169	0.200	-1.3511	30.0
Bis(2-ethylhexyl)phthalate	0.757	0.739	0.200	-2.4684	40.0
Di-n-octyl phthalate	1.048	1.023	0.010	-2.3751	40.0
Benzo(b)fluoranthene	1.169	1.115	0.200	-4.6301	25.0
Benzo(k)fluoranthene	1.205	1.174	0.200	-2.6116	25.0
Benzo(a)pyrene	1.101	1.103	0.200	0.1463	20.0
Indeno(1,2,3-cd)pyrene	1.380	1.339	0.200	-2.9508	25.0
Dibenzo(a,h)anthracene	1.119	1.099	0.200	-1.7711	30.0
Benzo(g,h,i)perylene	1.049	1.052	0.200	0.2844	30.0
2,3,4,6-Tetrachlorophenol	0.297	0.318	0.040	7.1137	20.0
1,4-Dioxane-d8	0.496	0.486	0.010	-2.1091	25.0
Pyridine-d5	1.448	1.465	0.010	1.2223	40.0
Phenol-d5	1.697	1.735	0.010	2.244	25.0
Bis-(2-Chloroethyl)ether-d8	0.988	1.131	0.050	14.4986	25.0
2-Chlorophenol-d4	1.299	1.370	0.200	5.4445	20.0
4-Methylphenol-d8	1.320	1.388	0.010	5.157	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: BNA_P Calibration Date/Time: 12/31/2024 1 16:25

Lab File ID: BP023599.D Init. Calib. Date(s):

EPA Sample No.: SICV648 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.150	0.160	0.050	7.0898	20.0
2-Nitrophenol-d4	0.122	0.137	0.050	12.8458	30.0
2,4-Dichlorophenol-d3	0.286	0.306	0.060	7.0687	20.0
4-Chloroaniline-d4	0.463	0.483	0.010	4.4768	40.0
Dimethylphthalate-d6	1.446	1.502	0.300	3.8411	20.0
Acenaphthylene-d8	1.697	1.767	0.400	4.1398	20.0
4-Nitrophenol-d4	0.262	0.267	0.010	1.8213	40.0
Fluorene-d10	1.221	1.253	0.100	2.5742	20.0
4,6-Dinitro-2-methylphenol-d2	0.079	0.070	0.010	-11.8463	40.0
Anthracene-d10	0.963	0.984	0.300	2.1939	20.0
Pyrene-d10	1.007	1.073	0.300	6.6205	25.0
Benzo(a)pyrene-d12	0.999	1.040	0.010	4.0656	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.: BP123124

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.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: Calibration Date(s): 12/31/2024

Calibration Time(s): 10:50

LAB FILE ID: RRFAL1 = BP023593.D RRFAL2 = BP023594.D RRFAL3 = BP023595.D
RRFAL4 = BP023596.D RRFAL5 = BP023597.D RRFAL6 = BP023598.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.515	0.508	0.532	0.526	0.521		0.520	1.9
Benzaldehyde		1.111	1.148	1.031	0.729	0.577	0.919	27.5
Pyridine		1.395	1.485	1.536	1.497	1.369	1.456	4.9
Hexachloroethane	0.537	0.536	0.566	0.575	0.570		0.557	3.4
Nitrobenzene	0.335	0.343	0.364	0.375	0.359		0.355	4.6
Isophorone	0.681	0.704	0.760	0.757	0.736		0.728	4.7
2-Nitrophenol	0.115	0.126	0.150	0.171	0.176		0.147	18.1
2,4-Dimethylphenol	0.313	0.330	0.345	0.365	0.353		0.341	6.0
Bis(2-Chloroethoxy)methane	0.425	0.431	0.455	0.456	0.440		0.441	3.1
2,4-Dichlorophenol	0.267	0.274	0.299	0.315	0.314		0.294	7.5
Naphthalene	1.038	1.051	1.089	1.102	1.041		1.064	2.8
4-Chloroaniline		0.427	0.451	0.466	0.457	0.393	0.439	6.7
Hexachlorobutadiene	0.185	0.177	0.188	0.187	0.186		0.185	2.4
Phenol		1.678	1.761	1.897	1.850	1.663	1.770	5.8
Caprolactam		0.111	0.119	0.123	0.122	0.105	0.116	6.8
4-Chloro-3-methylphenol	0.261	0.292	0.320	0.342	0.342		0.311	11.2
1-Methylnaphthalene	0.676	0.703	0.747	0.766	0.732		0.725	4.9
2-Methylnaphthalene	0.688	0.708	0.754	0.758	0.737		0.729	4.1
Hexachlorocyclopentadiene		0.244	0.276	0.310	0.325	0.321	0.295	11.6
2,4,6-Trichlorophenol	0.280	0.298	0.342	0.379	0.379		0.336	13.6
2,4,5-Trichlorophenol	0.309	0.330	0.379	0.417	0.416		0.370	13.4
1,1-Biphenyl	1.458	1.439	1.543	1.562	1.470		1.494	3.7
2-Chloronaphthalene	1.136	1.116	1.187	1.205	1.138		1.156	3.2
2-Nitroaniline	0.226	0.246	0.289	0.319	0.319		0.280	15.1
Bis(2-Chloroethyl)ether		1.369	1.430	1.473	1.441	1.259	1.395	6.1
Dimethylphthalate	1.394	1.403	1.499	1.465	1.417		1.436	3.1
2,6-Dinitrotoluene	0.190	0.221	0.257	0.282	0.297		0.250	17.6
Acenaphthylene	1.740	1.754	1.892	1.905	1.772		1.813	4.4
3-Nitroaniline		0.263	0.300	0.315	0.297	0.265	0.288	8.0
Acenaphthene	1.204	1.228	1.311	1.318	1.257		1.264	4.0
2,4-Dinitrophenol		0.054	0.068	0.090	0.118	0.129	0.092	34.8
4-Nitrophenol		0.183	0.201	0.213	0.208	0.184	0.198	6.9
Dibenzofuran	1.681	1.698	1.771	1.790	1.668		1.722	3.2
2,4-Dinitrotoluene	0.264	0.310	0.378	0.422	0.429		0.361	19.9
Diethylphthalate	1.474	1.409	1.514	1.501	1.461		1.472	2.8
2-Chlorophenol	1.244	1.300	1.384	1.455	1.427		1.362	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.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: Calibration Date(s): 12/31/2024

Calibration Time(s): 10:50

LAB FILE ID: RRFAL1 = BP023593.D RRFAL2 = BP023594.D RRFAL3 = BP023595.D
RRFAL4 = BP023596.D RRFAL5 = BP023597.D RRFAL6 = BP023598.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.380	1.422	1.495	1.530	1.379		1.441	4.8
4-Chlorophenyl-phenylether	0.672	0.682	0.734	0.731	0.689		0.702	4.1
4-Nitroaniline		0.285	0.330	0.329	0.268	0.216	0.286	16.6
4,6-Dinitro-2-methylphenol		0.056	0.077	0.099	0.117	0.118	0.093	28.5
N-Nitrosodiphenylamine	0.574	0.592	0.622	0.633	0.619		0.608	4.0
1,2,4,5-Tetrachlorobenzene	0.569	0.548	0.589	0.615	0.592		0.583	4.3
4-Bromophenyl-phenylether	0.194	0.196	0.208	0.215	0.222		0.207	5.8
Hexachlorobenzene	0.253	0.251	0.262	0.266	0.266		0.260	2.9
Atrazine		0.216	0.234	0.242	0.245	0.215	0.230	6.2
Pentachlorophenol		0.113	0.135	0.153	0.170	0.164	0.147	15.8
2-Methylphenol		1.212	1.300	1.396	1.389	1.231	1.306	6.6
Phenanthrene	1.092	1.115	1.160	1.155	1.036		1.111	4.6
Pentachlorobenzene	0.296	0.290	0.315	0.317	0.315		0.306	4.1
Anthracene	1.079	1.111	1.157	1.172	1.028		1.109	5.3
1,2,3,4-Tetrachlorobenzene	0.280	0.274	0.297	0.304	0.302		0.291	4.6
Carbazole		1.028	1.090	1.094	0.973	0.776	0.992	13.2
Di-n-butylphthalate	1.175	1.173	1.312	1.304	0.999		1.193	10.7
Fluoranthene	1.124	1.132	1.238	1.258	1.081		1.167	6.6
Pyrene	1.272	1.254	1.343	1.330	1.107		1.261	7.5
Butylbenzylphthalate	0.359	0.376	0.471	0.527	0.566		0.460	19.8
3,3-Dichlorobenzidine		0.335	0.382	0.390	0.378	0.338	0.365	7.2
2,2-oxybis(1-Chloropropane)		1.502	1.580	1.589	1.539	1.310	1.504	7.6
Benzo(a)anthracene	1.257	1.262	1.333	1.347	1.195		1.279	4.8
Chrysene	1.149	1.156	1.225	1.259	1.136		1.185	4.6
Bis(2-ethylhexyl)phthalate	0.678	0.643	0.780	0.831	0.855		0.757	12.3
Di-n-octyl phthalate		0.846	1.104	1.247	1.239	0.802	1.048	20.3
Benzo(b)fluoranthene	1.037	1.076	1.214	1.269	1.248		1.169	9.0
Benzo(k)fluoranthene	1.073	1.134	1.251	1.303	1.265		1.205	8.1
Benzo(a)pyrene	0.956	1.027	1.150	1.195	1.179		1.101	9.5
Indeno(1,2,3-cd)pyrene	1.202	1.252	1.423	1.487	1.534		1.380	10.6
Dibenzo(a,h)anthracene	0.967	1.023	1.149	1.209	1.244		1.119	10.7
Benzo(g,h,i)perylene	0.928	0.967	1.086	1.112	1.152		1.049	9.2
Acetophenone		2.142	2.234	2.321	2.215	1.866	2.156	8.1
2,3,4,6-Tetrachlorophenol	0.245	0.264	0.304	0.331	0.341		0.297	14.1
1,4-Dioxane-d8	0.500	0.479	0.506	0.502	0.493		0.496	2.1
Pyridine-d5		1.374	1.462	1.533	1.497	1.372	1.448	5.0

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.: BP123124 SAS No.: BP123124 SDG No.: BP123124

Instrument ID: Calibration Date(s): 12/31/2024

Calibration Time(s): 10:50

LAB FILE ID: RRFAL1 = BP023593.D RRFAL2 = BP023594.D RRFAL3 = BP023595.D
RRFAL4 = BP023596.D RRFAL5 = BP023597.D RRFAL6 = BP023598.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.557	1.678	1.821	1.799	1.632	1.697	6.6
Bis-(2-Chloroethyl)ether-d8		0.976	1.020	1.042	1.016	0.887	0.988	6.2
2-Chlorophenol-d4	1.168	1.211	1.319	1.403	1.396		1.299	8.2
4-Methylphenol-d8		1.223	1.315	1.419	1.403	1.240	1.320	6.8
Nitrobenzene-d5	0.135	0.139	0.151	0.161	0.161		0.150	8.1
2-Nitrophenol-d4	0.093	0.100	0.119	0.142	0.155		0.122	21.9
2,4-Dichlorophenol-d3	0.248	0.261	0.292	0.312	0.316		0.286	10.7
4-Chloroaniline-d4		0.451	0.472	0.489	0.483	0.418	0.463	6.2
4-Methylphenol		1.339	1.433	1.537	1.503	1.307	1.424	7.0
Dimethylphthalate-d6	1.381	1.413	1.512	1.490	1.436		1.446	3.7
Acenaphthylene-d8	1.583	1.630	1.775	1.795	1.702		1.697	5.4
4-Nitrophenol-d4		0.212	0.253	0.284	0.292	0.268	0.262	12.0
Fluorene-d10	1.133	1.179	1.254	1.300	1.240		1.221	5.4
4,6-Dinitro-2-methylphenol-		0.045	0.062	0.082	0.102	0.106	0.079	32.5
Anthracene-d10	0.906	0.942	1.008	0.995	0.964		0.963	4.3
Pyrene-d10	0.948	0.969	1.046	1.078	0.993		1.007	5.4
Benzo(a)pyrene-d12	0.848	0.913	1.029	1.100	1.105		0.999	11.5
N-Nitroso-di-n-propylamine	0.979	1.044	1.111	1.158	1.097		1.078	6.4

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.: BP123124 SAS No.: BP123124 SDG NO.: BP123124

EPA Sample No.: SSTD020644 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BP023595.D Time Analyzed: 16:25

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	608548	7.811	2.54048e+0(	10.58	1.59818e+00(	14.43
	UPPER LIMIT	1217096	8.311	5080960	11.081	3196360	14.934
	LOWER LIMIT	304274	7.311	1270240	10.081	799090	13.934
	EPA SAMPLE NO.						
01	SICV648	515207	7.79	2.20483e	10.57	1.42574e	14.43

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.: BP123124 SAS No.: BP123124 SDG NO.: BP123124

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.: BP123124 SAS No.: BP123124 SDG NO.: BP123124

EPA Sample No.: SSTD020644 Date Analyzed: Dec 31 2024 12:00AM

Lab File ID: BP023595.D Time Analyzed: 16:25

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	3.13791e+0(	17.239	3.30103e+	21.716	3.42216e+0(	25.145
	UPPER LIMIT	6275820	17.739	6602060	22.216	6844320	25.645
	LOWER LIMIT	1568955	16.739	1650515	21.216	1711080	24.645
	EPA SAMPLE NO.						
01	SICV648	2.81637	17.25	2.85916e+	21.72	3.00152e+	25.16

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.: BP123124 SAS No.: BP123124 SDG NO.: BP123124

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.: BP123124

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.: BP123124

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.: BP123124 SAS No.: BP123124 SDG NO.: BP123124

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: BP123124

Lab Code: CHEM SAS No.: BP123124 SDG NO.: BP123124

Lab File ID: BP023592.D DFTPP Injection Date: 12/31/2024

Instrument ID: BNA_P DFTPP Injection Time: 10:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.1
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	32.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	45.4
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	94.8
443	15.0 - 24.0% of mass 442	18.4 (19.4) 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
SSTD005642	SSTD00561	BP023593.D	12/31/2024	10:50
SSTD010643	SSTD01062	BP023594.D	12/31/2024	11:30
SSTD020644	SSTD02063	BP023595.D	12/31/2024	12:11
SSTD040645	SSTD04064	BP023596.D	12/31/2024	12:51
SSTD080646	SSTD08065	BP023597.D	12/31/2024	13:32
SSTD160647	SSTD16066	BP023598.D	12/31/2024	15:34
SICV648	SSTDICV020	BP023599.D	12/31/2024	16:25