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.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: BNA_P Calibration Date/Time: 4/19/2024 12 21:12

Lab File ID: BP020036.D Init. Calib. Date(s):

EPA Sample No.: SICV615 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.549	0.590	0.010	7.5498	40.0
Benzaldehyde	1.042	1.278	0.010	22.6415	40.0
Pyridine	1.488	1.550	0.010	4.2208	40.0
Phenol	1.837	1.931	0.080	5.1196	20.0
Bis(2-Chloroethyl)ether	1.500	1.541	0.100	2.7551	20.0
2-Chlorophenol	1.254	1.350	0.200	7.6633	20.0
2-Methylphenol	1.346	1.396	0.010	3.698	20.0
2,2-oxybis(1-Chloropropane)	2.192	2.338	0.010	6.653	40.0
Acetophenone	2.332	2.477	0.060	6.2152	20.0
4-Methylphenol	1.432	1.506	0.010	5.1284	20.0
N-Nitroso-di-n-propylamine	1.362	1.442	0.050	5.8385	30.0
Hexachloroethane	0.617	0.652	0.100	5.5775	20.0
Nitrobenzene	0.469	0.500	0.050	6.7351	25.0
Isophorone	0.870	0.940	0.050	8.0765	25.0
2-Nitrophenol	0.166	0.187	0.050	13.1382	25.0
2,4-Dimethylphenol	0.396	0.427	0.050	7.7772	25.0
Bis(2-Chloroethoxy)methane	0.488	0.518	0.050	6.0826	20.0
2,4-Dichlorophenol	0.300	0.323	0.060	7.619	20.0
Naphthalene	1.037	1.087	0.200	4.8051	20.0
4-Chloroaniline	0.409	0.445	0.010	8.9737	40.0
Hexachlorobutadiene	0.247	0.256	0.040	3.4392	30.0
Caprolactam	0.094	0.110	0.010	16.6767	40.0
4-Chloro-3-methylphenol	0.360	0.402	0.040	11.7548	25.0
1-Methylnaphthalene	0.711	0.752	0.100	5.7088	20.0
2-Methylnaphthalene	0.716	0.752	0.100	4.9661	20.0
Hexachlorocyclopentadiene	0.375	0.344	0.010	-8.2698	40.0
2,4,6-Trichlorophenol	0.391	0.414	0.090	6.0667	25.0
2,4,5-Trichlorophenol	0.406	0.430	0.100	5.9744	25.0
1,1-Biphenyl	1.434	1.492	0.200	4.0782	20.0
2-Chloronaphthalene	1.145	1.193	0.300	4.1879	20.0
2-Nitroaniline	0.372	0.432	0.050	16.1879	40.0
Dimethylphthalate	1.404	1.550	0.300	10.4153	20.0
2,6-Dinitrotoluene	0.265	0.301	0.080	13.5504	30.0
Acenaphthylene	1.836	1.929	0.400	5.0321	20.0
3-Nitroaniline	0.251	0.296	0.010	17.9059	40.0
Acenaphthene	1.211	1.275	0.200	5.3559	20.0
2,4-Dinitrophenol	0.159	0.162	0.010	2.0316	40.0
4-Nitrophenol	0.237	0.269	0.010	13.4601	40.0
Dibenzofuran	1.671	1.762	0.300	5.4477	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: BNA_P Calibration Date/Time: 4/19/2024 12 21:12

Lab File ID: BP020036.D Init. Calib. Date(s):

EPA Sample No.: SICV615 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.375	0.444	0.070	18.5454	30.0
Diethylphthalate	1.409	1.578	0.300	11.9463	20.0
Fluorene	1.381	1.473	0.200	6.6688	20.0
4-Chlorophenyl-phenylether	0.750	0.779	0.100	3.872	20.0
4-Nitroaniline	0.223	0.277	0.010	24.6603	40.0
4,6-Dinitro-2-methylphenol	0.121	0.126	0.010	3.9276	40.0
N-Nitrosodiphenylamine	0.553	0.559	0.050	1.0406	20.0
1,2,4,5-Tetrachlorobenzene	0.652	0.663	0.100	1.6756	20.0
4-Bromophenyl-phenylether	0.219	0.222	0.070	1.3779	20.0
Hexachlorobenzene	0.237	0.243	0.050	2.4108	25.0
Atrazine	0.203	0.220	0.010	8.1199	25.0
Pentachlorophenol	0.144	0.148	0.010	2.6613	40.0
Phenanthrene	1.038	1.079	0.200	3.8705	20.0
Pentachlorobenzene	0.298	0.288	0.050	-3.625	20.0
Anthracene	1.059	1.110	0.200	4.8	20.0
1,2,3,4-Tetrachlorobenzene	0.317	0.303	0.050	-4.5417	20.0
Carbazole	0.908	0.973	0.050	7.1901	40.0
Di-n-butylphthalate	1.095	1.215	0.500	10.9577	25.0
Fluoranthene	1.264	1.342	0.400	6.2371	25.0
Pyrene	1.315	1.414	0.400	7.5749	25.0
Butylbenzylphthalate	0.501	0.578	0.100	15.2324	40.0
3,3-Dichlorobenzidine	0.442	0.478	0.010	8.1854	40.0
Benzo(a)anthracene	1.383	1.471	0.300	6.3199	30.0
Chrysene	1.303	1.354	0.200	3.9318	30.0
Bis(2-ethylhexyl)phthalate	0.773	0.835	0.200	8.0778	40.0
Di-n-octyl phthalate	1.236	1.473	0.010	19.162	40.0
Benzo(b)fluoranthene	1.205	1.525	0.200	26.5054	25.0
Benzo(k)fluoranthene	1.236	1.583	0.200	28.1379	25.0
Benzo(a)pyrene	1.162	1.195	0.200	2.8731	20.0
Indeno(1,2,3-cd)pyrene	1.347	1.395	0.200	3.5988	25.0
Dibenzo(a,h)anthracene	1.097	1.148	0.200	4.6517	30.0
Benzo(g,h,i)perylene	1.077	1.114	0.200	3.3687	30.0
2,3,4,6-Tetrachlorophenol	0.352	0.394	0.040	12.0766	20.0
1,4-Dioxane-d8	0.488	0.506	0.010	3.6241	25.0
Pyridine-d5	1.437	1.498	0.010	4.2754	40.0
Phenol-d5	1.743	1.812	0.010	3.9444	25.0
Bis-(2-Chloroethyl)ether-d8	1.218	1.277	0.050	4.7864	25.0
2-Chlorophenol-d4	1.190	1.262	0.200	6.0605	20.0
4-Methylphenol-d8	1.362	1.448	0.010	6.3147	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: BNA_P Calibration Date/Time: 4/19/2024 12 21:12

Lab File ID: BP020036.D Init. Calib. Date(s):

EPA Sample No.: SICV615 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.156	0.050	8.2198	20.0
2-Nitrophenol-d4	0.156	0.171	0.050	9.6564	30.0
2,4-Dichlorophenol-d3	0.309	0.333	0.060	8.0074	20.0
4-Chloroaniline-d4	0.412	0.452	0.010	9.8449	40.0
Dimethylphthalate-d6	1.367	1.518	0.300	11.0627	20.0
Acenaphthylene-d8	1.629	1.720	0.400	5.5812	20.0
4-Nitrophenol-d4	0.208	0.248	0.010	19.1156	40.0
Fluorene-d10	1.217	1.289	0.100	5.9304	20.0
4,6-Dinitro-2-methylphenol-d2	0.117	0.120	0.010	3.0212	40.0
Anthracene-d10	0.896	0.935	0.300	4.3578	20.0
Pyrene-d10	1.075	1.153	0.300	7.2743	25.0
Benzo(a)pyrene-d12	0.977	1.016	0.010	4.0041	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.: BP041924

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.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: Calibration Date(s): 4/19/2024

Calibration Time(s): 16:05

LAB FILE ID: RRFAL1 = BP020030.D RRFAL2 = BP020031.D RRFAL3 = BP020032.D
RRFAL4 = BP020033.D RRFAL5 = BP020034.D RRFAL6 = BP020035.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.560	0.560	0.585	0.525	0.513		0.549	5.3
Benzaldehyde		1.060	1.278	1.162	0.991	0.719	1.042	20.2
Pyridine		1.378	1.544	1.491	1.523	1.503	1.488	4.4
Hexachloroethane	0.592	0.598	0.646	0.629	0.622		0.617	3.6
Nitrobenzene	0.419	0.456	0.498	0.484	0.487		0.469	6.8
Isophorone	0.802	0.837	0.919	0.884	0.909		0.870	5.7
2-Nitrophenol	0.140	0.153	0.176	0.177	0.182		0.166	11.1
2,4-Dimethylphenol	0.375	0.378	0.421	0.402	0.405		0.396	4.9
Bis(2-Chloroethoxy)methane	0.451	0.475	0.518	0.496	0.500		0.488	5.3
2,4-Dichlorophenol	0.266	0.283	0.324	0.313	0.317		0.300	8.3
Naphthalene	1.023	1.028	1.090	1.031	1.014		1.037	2.9
4-Chloroaniline		0.398	0.428	0.412	0.416	0.389	0.409	3.7
Hexachlorobutadiene	0.246	0.241	0.262	0.246	0.240		0.247	3.5
Phenol		1.658	1.878	1.852	1.964	1.833	1.837	6.1
Caprolactam		0.088	0.099	0.089	0.100	0.095	0.094	5.9
4-Chloro-3-methylphenol	0.329	0.333	0.378	0.368	0.393		0.360	7.8
1-Methylnaphthalene	0.688	0.700	0.737	0.711	0.719		0.711	2.7
2-Methylnaphthalene	0.693	0.708	0.750	0.713	0.716		0.716	2.9
Hexachlorocyclopentadiene		0.279	0.345	0.394	0.408	0.451	0.375	17.6
2,4,6-Trichlorophenol	0.337	0.369	0.412	0.416	0.418		0.391	9.3
2,4,5-Trichlorophenol	0.363	0.384	0.423	0.423	0.437		0.406	7.6
1,1-Biphenyl	1.335	1.410	1.480	1.507	1.437		1.434	4.7
2-Chloronaphthalene	1.080	1.146	1.207	1.180	1.116		1.145	4.4
2-Nitroaniline	0.305	0.335	0.400	0.408	0.413		0.372	13.1
Bis(2-Chloroethyl)ether		1.406	1.561	1.530	1.542	1.461	1.500	4.3
Dimethylphthalate	1.362	1.414	1.500	1.368	1.374		1.404	4.1
2,6-Dinitrotoluene	0.217	0.242	0.294	0.281	0.290		0.265	12.9
Acenaphthylene	1.719	1.838	1.912	1.885	1.827		1.836	4.0
3-Nitroaniline		0.228	0.284	0.253	0.245	0.244	0.251	8.1
Acenaphthene	1.161	1.214	1.248	1.238	1.191		1.211	2.9
2,4-Dinitrophenol		0.120	0.154	0.152	0.172	0.199	0.159	18.2
4-Nitrophenol		0.186	0.247	0.238	0.237	0.277	0.237	13.8
Dibenzofuran	1.642	1.709	1.750	1.645	1.611		1.671	3.4
2,4-Dinitrotoluene	0.326	0.365	0.414	0.386	0.384		0.375	8.7
Diethylphthalate	1.322	1.430	1.558	1.378	1.360		1.409	6.5
2-Chlorophenol	1.142	1.189	1.319	1.300	1.320		1.254	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.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: Calibration Date(s): 4/19/2024

Calibration Time(s): 16:05

LAB FILE ID: RRFAL1 = BP020030.D RRFAL2 = BP020031.D RRFAL3 = BP020032.D
RRFAL4 = BP020033.D RRFAL5 = BP020034.D RRFAL6 = BP020035.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.332	1.407	1.475	1.358	1.333		1.381	4.4
4-Chlorophenyl-phenylether	0.726	0.751	0.797	0.733	0.744		0.750	3.7
4-Nitroaniline		0.203	0.260	0.224	0.203	0.224	0.223	10.5
4,6-Dinitro-2-methylphenol		0.094	0.123	0.121	0.132	0.136	0.121	13.4
N-Nitrosodiphenylamine	0.502	0.519	0.581	0.570	0.595		0.553	7.4
1,2,4,5-Tetrachlorobenzene	0.582	0.644	0.670	0.701	0.662		0.652	6.8
4-Bromophenyl-phenylether	0.197	0.203	0.228	0.226	0.243		0.219	8.7
Hexachlorobenzene	0.219	0.221	0.246	0.243	0.258		0.237	7.1
Atrazine		0.193	0.218	0.205	0.199	0.201	0.203	4.5
Pentachlorophenol		0.117	0.146	0.146	0.152	0.159	0.144	11.1
2-Methylphenol		1.215	1.382	1.362	1.456	1.316	1.346	6.6
Phenanthrene	1.007	1.002	1.099	1.047	1.038		1.038	3.7
Pentachlorobenzene	0.266	0.273	0.300	0.315	0.338		0.298	9.9
Anthracene	1.027	1.002	1.143	1.078	1.045		1.059	5.2
1,2,3,4-Tetrachlorobenzene	0.269	0.286	0.317	0.351	0.363		0.317	12.7
Carbazole		0.877	0.991	0.919	0.837	0.914	0.908	6.3
Di-n-butylphthalate	1.002	1.052	1.237	1.143	1.041		1.095	8.6
Fluoranthene	1.155	1.232	1.330	1.277	1.324		1.264	5.7
Pyrene	1.239	1.294	1.364	1.335	1.341		1.315	3.7
Butylbenzylphthalate	0.417	0.473	0.545	0.544	0.528		0.501	11.1
3,3-Dichlorobenzidine		0.412	0.475	0.463	0.445	0.415	0.442	6.4
2,2-oxybis(1-Chloropropane)		2.122	2.297	2.243	2.261	2.038	2.192	4.9
Benzo(a)anthracene	1.314	1.375	1.445	1.388	1.395		1.383	3.4
Chrysene	1.229	1.293	1.373	1.319	1.300		1.303	4.0
Bis(2-ethylhexyl)phthalate	0.668	0.734	0.846	0.821	0.795		0.773	9.3
Di-n-octyl phthalate		1.132	1.304	1.248	1.233	1.263	1.236	5.2
Benzo(b)fluoranthene	1.120	1.161	1.282	1.218	1.246		1.205	5.4
Benzo(k)fluoranthene	1.201	1.197	1.289	1.251	1.241		1.236	3.1
Benzo(a)pyrene	1.091	1.124	1.241	1.169	1.183		1.162	5.0
Indeno(1,2,3-cd)pyrene	1.251	1.305	1.428	1.362	1.388		1.347	5.2
Dibenzo(a,h)anthracene	1.028	1.064	1.132	1.119	1.144		1.097	4.5
Benzo(g,h,i)perylene	1.008	1.035	1.136	1.090	1.116		1.077	5.0
Acetophenone		2.209	2.376	2.393	2.508	2.176	2.332	5.9
2,3,4,6-Tetrachlorophenol	0.312	0.352	0.378	0.353	0.363		0.352	6.9
1,4-Dioxane-d8	0.520	0.494	0.499	0.476	0.452		0.488	5.3
Pyridine-d5		1.293	1.456	1.470	1.486	1.480	1.437	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.: BP041924 SAS No.: BP041924 SDG No.: BP041924

Instrument ID: Calibration Date(s): 4/19/2024

Calibration Time(s): 16:05

LAB FILE ID: RRFAL1 = BP020030.D RRFAL2 = BP020031.D RRFAL3 = BP020032.D
RRFAL4 = BP020033.D RRFAL5 = BP020034.D RRFAL6 = BP020035.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.561	1.763	1.770	1.868	1.754	1.743	6.4
Bis-(2-Chloroethyl)ether-d8		1.168	1.262	1.240	1.246	1.175	1.218	3.6
2-Chlorophenol-d4	1.069	1.124	1.248	1.235	1.274		1.190	7.5
4-Methylphenol-d8		1.228	1.364	1.400	1.491	1.325	1.362	7.1
Nitrobenzene-d5	0.126	0.133	0.155	0.153	0.154		0.144	9.6
2-Nitrophenol-d4	0.133	0.142	0.161	0.167	0.175		0.156	11.3
2,4-Dichlorophenol-d3	0.278	0.288	0.331	0.318	0.329		0.309	7.9
4-Chloroaniline-d4		0.397	0.431	0.413	0.424	0.395	0.412	3.9
4-Methylphenol		1.251	1.478	1.466	1.584	1.383	1.432	8.7
Dimethylphthalate-d6	1.294	1.364	1.462	1.350	1.365		1.367	4.4
Acenaphthylene-d8	1.496	1.621	1.727	1.672	1.630		1.629	5.2
4-Nitrophenol-d4		0.156	0.220	0.211	0.211	0.243	0.208	15.5
Fluorene-d10	1.210	1.244	1.282	1.179	1.168		1.217	3.9
4,6-Dinitro-2-methylphenol-		0.093	0.116	0.117	0.127	0.131	0.117	12.6
Anthracene-d10	0.850	0.868	0.968	0.900	0.893		0.896	5.0
Pyrene-d10	0.992	1.041	1.131	1.091	1.119		1.075	5.4
Benzo(a)pyrene-d12	0.922	0.933	1.028	0.991	1.011		0.977	4.8
N-Nitroso-di-n-propylamine	1.208	1.293	1.404	1.409	1.498		1.362	8.3

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.: BP041924 SAS No.: BP041924 SDG NO.: BP041924

EPA Sample No.: SSTD020611 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BP020032.D Time Analyzed: 21:12

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	92905	7.64	384799	10.41	258684	14.32
	UPPER LIMIT	185810	8.14	769598	10.91	517368	14.816
	LOWER LIMIT	46452.5	7.14	192399.5	9.91	129342	13.816
	EPA SAMPLE NO.						
01	SICV615	91132	7.64	387053	10.41	267218	14.32

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.: BP041924 SAS No.: BP041924 SDG NO.: BP041924

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.: BP041924 SAS No.: BP041924 SDG NO.: BP041924

EPA Sample No.: SSTD020611 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BP020032.D Time Analyzed: 21:12

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	543121	17.157	549654	21.657	595828	25.051
	UPPER LIMIT	1086242	17.657	1099308	22.157	1191656	25.551
	LOWER LIMIT	271560.5	16.657	274827	21.157	297914	24.551
	EPA SAMPLE NO.						
01	SICV615	593460	17.17	584797	21.68	637946	25.06

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.: BP041924 SAS No.: BP041924 SDG NO.: BP041924

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.: BP041924

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.: BP041924

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.: BP041924 SAS No.: BP041924 SDG NO.: BP041924

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: BP041924

Lab Code: CHEM SAS No.: BP041924 SDG NO.: BP041924

Lab File ID: BP020029.D DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_P DFTPP Injection Time: 15:22

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.3
68	Less than 2.0% of mass 69	0.9 (1.8) 1
69	Mass 69 relative abundance	47.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	45.9
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	7
275	10.0 - 60.0% of mass 198	27
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	11
442	Greater than 50% of mass 198	70.9
443	15.0 - 24.0% of mass 442	13.8 (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
SSTD005609	SSTD00588	BP020030.D	04/19/2024	16:05
SSTD010610	SSTD01089	BP020031.D	04/19/2024	16:49
SSTD020611	SSTD02090	BP020032.D	04/19/2024	17:33
SSTD040612	SSTD04091	BP020033.D	04/19/2024	18:17
SSTD080613	SSTD08092	BP020034.D	04/19/2024	19:00
SSTD160614	SSTD16093	BP020035.D	04/19/2024	19:44
SICV615	SSTDICV020	BP020036.D	04/19/2024	21:12