Alliance TECHNICAL GROUP
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.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: BNA_M Calibration Date/Time: 12/11/2024 1 20:57

Lab File ID: BM048962.D Init. Calib. Date(s):

EPA Sample No.: SICV005 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.605	0.629	0.010	3.8757	40.0
Benzaldehyde	0.930	1.219	0.010	31.1211	40.0
Pyridine	1.766	1.774	0.010	0.4689	40.0
Phenol	1.879	1.838	0.080	-2.2048	20.0
Bis(2-Chloroethyl)ether	1.486	1.477	0.100	-0.6258	20.0
2-Chlorophenol	1.336	1.391	0.200	4.1842	20.0
2-Methylphenol	1.290	1.253	0.010	-2.8653	20.0
2,2-oxybis(1-Chloropropane)	2.199	2.187	0.010	-0.5594	40.0
Acetophenone	2.190	2.164	0.060	-1.1544	20.0
4-Methylphenol	1.417	1.378	0.010	-2.8095	20.0
N-Nitroso-di-n-propylamine	1.067	1.103	0.050	3.3231	30.0
Hexachloroethane	0.577	0.596	0.100	3.2874	20.0
Nitrobenzene	0.393	0.415	0.050	5.6125	25.0
Isophorone	0.695	0.732	0.050	5.2338	25.0
2-Nitrophenol	0.156	0.166	0.050	6.3616	25.0
2,4-Dimethylphenol	0.325	0.339	0.050	4.4098	25.0
Bis(2-Chloroethoxy)methane	0.444	0.459	0.050	3.2015	20.0
2,4-Dichlorophenol	0.292	0.301	0.060	3.3525	20.0
Naphthalene	1.063	1.073	0.200	1.0068	20.0
4-Chloroaniline	0.424	0.417	0.010	-1.5195	40.0
Hexachlorobutadiene	0.188	0.191	0.040	1.6633	30.0
Caprolactam	0.092	0.094	0.010	2.2114	40.0
4-Chloro-3-methylphenol	0.279	0.295	0.040	5.8927	25.0
1-Methylnaphthalene	0.673	0.677	0.100	0.6768	20.0
2-Methylnaphthalene	0.673	0.687	0.100	2.023	20.0
Hexachlorocyclopentadiene	0.380	0.335	0.010	-11.9759	40.0
2,4,6-Trichlorophenol	0.344	0.358	0.090	4.2403	25.0
2,4,5-Trichlorophenol	0.378	0.394	0.100	4.1897	25.0
1,1-Biphenyl	1.514	1.519	0.200	0.3323	20.0
2-Chloronaphthalene	1.203	1.209	0.300	0.4959	20.0
2-Nitroaniline	0.309	0.341	0.050	10.5294	40.0
Dimethylphthalate	1.378	1.443	0.300	4.7412	20.0
2,6-Dinitrotoluene	0.232	0.247	0.080	6.2202	30.0
Acenaphthylene	1.830	1.884	0.400	2.9698	20.0
3-Nitroaniline	0.271	0.292	0.010	7.9437	40.0
Acenaphthene	1.298	1.313	0.200	1.155	20.0
2,4-Dinitrophenol	0.121	0.094	0.010	-22.8742	40.0
4-Nitrophenol	0.193	0.187	0.010	-3.298	40.0
Dibenzofuran	1.747	1.785	0.300	2.2082	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: BNA_M Calibration Date/Time: 12/11/2024 1 20:57

Lab File ID: BM048962.D Init. Calib. Date(s):

EPA Sample No.: SICV005 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.343	0.381	0.070	10.8181	30.0
Diethylphthalate	1.327	1.415	0.300	6.6246	20.0
Fluorene	1.444	1.465	0.200	1.4459	20.0
4-Chlorophenyl-phenylether	0.700	0.703	0.100	0.4601	20.0
4-Nitroaniline	0.258	0.304	0.010	18.1001	40.0
4,6-Dinitro-2-methylphenol	0.116	0.098	0.010	-15.3826	40.0
N-Nitrosodiphenylamine	0.609	0.604	0.050	-0.8539	20.0
1,2,4,5-Tetrachlorobenzene	0.612	0.609	0.100	-0.5715	20.0
4-Bromophenyl-phenylether	0.197	0.197	0.070	-0.1332	20.0
Hexachlorobenzene	0.237	0.235	0.050	-0.8167	25.0
Atrazine	0.223	0.210	0.010	-6.1967	25.0
Pentachlorophenol	0.147	0.125	0.010	-14.5444	40.0
Phenanthrene	1.157	1.145	0.200	-1.0072	20.0
Pentachlorobenzene	0.315	0.306	0.050	-2.8491	20.0
Anthracene	1.165	1.155	0.200	-0.8822	20.0
1,2,3,4-Tetrachlorobenzene	0.324	0.315	0.050	-2.9807	20.0
Carbazole	1.099	1.061	0.050	-3.3985	40.0
Di-n-butylphthalate	1.103	1.146	0.500	3.8098	25.0
Fluoranthene	1.320	1.308	0.400	-0.9076	25.0
Pyrene	1.456	1.420	0.400	-2.507	25.0
Butylbenzylphthalate	0.445	0.464	0.100	4.329	40.0
3,3-Dichlorobenzidine	0.347	0.331	0.010	-4.8048	40.0
Benzo(a)anthracene	1.341	1.343	0.300	0.1327	30.0
Chrysene	1.263	1.262	0.200	-0.038	30.0
Bis(2-ethylhexyl)phthalate	0.642	0.671	0.200	4.517	40.0
Di-n-octyl phthalate	1.203	1.021	0.010	-15.1282	40.0
Benzo(b)fluoranthene	1.265	1.227	0.200	-2.9738	25.0
Benzo(k)fluoranthene	1.264	1.249	0.200	-1.1602	25.0
Benzo(a)pyrene	1.176	1.166	0.200	-0.8637	20.0
Indeno(1,2,3-cd)pyrene	1.453	1.414	0.200	-2.7153	25.0
Dibenzo(a,h)anthracene	1.187	1.153	0.200	-2.87	30.0
Benzo(g,h,i)perylene	1.115	1.098	0.200	-1.5977	30.0
2,3,4,6-Tetrachlorophenol	0.277	0.300	0.040	8.428	20.0
1,4-Dioxane-d8	0.568	0.577	0.010	1.589	25.0
Pyridine-d5	1.690	1.684	0.010	-0.3567	40.0
Phenol-d5	1.743	1.693	0.010	-2.8642	25.0
Bis-(2-Chloroethyl)ether-d8	1.184	1.190	0.050	0.528	25.0
2-Chlorophenol-d4	1.265	1.322	0.200	4.5113	20.0
4-Methylphenol-d8	1.301	1.250	0.010	-3.9202	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: BNA_M Calibration Date/Time: 12/11/2024 1 20:57

Lab File ID: BM048962.D Init. Calib. Date(s):

EPA Sample No.: SICV005 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.143	0.153	0.050	6.7983	20.0
2-Nitrophenol-d4	0.133	0.140	0.050	5.5879	30.0
2,4-Dichlorophenol-d3	0.282	0.297	0.060	5.3679	20.0
4-Chloroaniline-d4	0.440	0.436	0.010	-1.0175	40.0
Dimethylphthalate-d6	1.377	1.443	0.300	4.7915	20.0
Acenaphthylene-d8	1.681	1.729	0.400	2.8437	20.0
4-Nitrophenol-d4	0.264	0.262	0.010	-0.8402	40.0
Fluorene-d10	1.194	1.225	0.100	2.6634	20.0
4,6-Dinitro-2-methylphenol-d2	0.104	0.085	0.010	-18.8659	40.0
Anthracene-d10	0.980	0.974	0.300	-0.5869	20.0
Pyrene-d10	1.123	1.123	0.300	-0.0145	25.0
Benzo(a)pyrene-d12	1.025	1.011	0.010	-1.3283	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.: BM121124

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.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 16:23

LAB FILE ID: RRFAL1 = BM048956.D RRFAL2 = BM048957.D RRFAL3 = BM048958.D
RRFAL4 = BM048959.D RRFAL5 = BM048960.D RRFAL6 = BM048961.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.617	0.612	0.594	0.620	0.583		0.605	2.6
Benzaldehyde		1.062	1.184	1.079	0.750	0.573	0.930	27.6
Pyridine		1.573	1.800	1.859	1.824	1.774	1.766	6.4
Hexachloroethane	0.526	0.546	0.580	0.619	0.616		0.577	7.1
Nitrobenzene	0.341	0.359	0.406	0.429	0.432		0.393	10.5
Isophorone	0.588	0.634	0.727	0.758	0.768		0.695	11.5
2-Nitrophenol	0.120	0.134	0.158	0.182	0.188		0.156	18.9
2,4-Dimethylphenol	0.271	0.296	0.341	0.354	0.362		0.325	12.2
Bis(2-Chloroethoxy)methane	0.392	0.416	0.460	0.481	0.473		0.444	8.7
2,4-Dichlorophenol	0.249	0.263	0.307	0.319	0.320		0.292	11.4
Naphthalene	1.011	1.016	1.087	1.113	1.085		1.063	4.3
4-Chloroaniline		0.371	0.423	0.442	0.440	0.442	0.424	7.2
Hexachlorobutadiene	0.177	0.180	0.186	0.196	0.202		0.188	5.7
Phenol		1.636	1.835	1.954	1.966	2.006	1.879	8.0
Caprolactam		0.073	0.092	0.094	0.095	0.105	0.092	12.6
4-Chloro-3-methylphenol	0.220	0.241	0.296	0.314	0.325		0.279	16.5
1-Methylnaphthalene	0.617	0.636	0.700	0.710	0.699		0.673	6.4
2-Methylnaphthalene	0.610	0.632	0.699	0.718	0.706		0.673	7.2
Hexachlorocyclopentadiene		0.294	0.326	0.384	0.427	0.470	0.380	18.9
2,4,6-Trichlorophenol	0.262	0.305	0.345	0.391	0.415		0.344	18.1
2,4,5-Trichlorophenol	0.313	0.331	0.379	0.424	0.443		0.378	14.9
1,1-Biphenyl	1.414	1.445	1.509	1.615	1.587		1.514	5.7
2-Chloronaphthalene	1.119	1.154	1.199	1.272	1.271		1.203	5.7
2-Nitroaniline	0.213	0.246	0.313	0.368	0.402		0.309	25.8
Bis(2-Chloroethyl)ether		1.359	1.478	1.553	1.536	1.504	1.486	5.1
Dimethylphthalate	1.276	1.320	1.407	1.453	1.432		1.378	5.5
2,6-Dinitrotoluene	0.166	0.193	0.239	0.275	0.288		0.232	22.5
Acenaphthylene	1.628	1.738	1.866	1.985	1.930		1.830	7.9
3-Nitroaniline		0.214	0.275	0.303	0.282	0.280	0.271	12.3
Acenaphthene	1.203	1.236	1.315	1.381	1.354		1.298	5.9
2,4-Dinitrophenol		0.069	0.094	0.117	0.144	0.183	0.121	36.7
4-Nitrophenol		0.130	0.171	0.199	0.218	0.249	0.193	23.5
Dibenzofuran	1.670	1.687	1.769	1.823	1.785		1.747	3.8
2,4-Dinitrotoluene	0.239	0.292	0.373	0.398	0.415		0.343	21.8
Diethylphthalate	1.162	1.242	1.378	1.432	1.422		1.327	9.0
2-Chlorophenol	1.174	1.220	1.358	1.457	1.470		1.336	10.1

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.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 16:23

LAB FILE ID: RRFAL1 = BM048956.D RRFAL2 = BM048957.D RRFAL3 = BM048958.D
RRFAL4 = BM048959.D RRFAL5 = BM048960.D RRFAL6 = BM048961.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.290	1.338	1.484	1.534	1.574		1.444	8.6
4-Chlorophenyl-phenylether	0.589	0.631	0.691	0.754	0.835		0.700	14.0
4-Nitroaniline		0.203	0.290	0.295	0.255	0.246	0.258	14.4
4,6-Dinitro-2-methylphenol		0.070	0.100	0.119	0.135	0.157	0.116	28.6
N-Nitrosodiphenylamine	0.538	0.560	0.618	0.659	0.672		0.609	9.8
1,2,4,5-Tetrachlorobenzene	0.543	0.559	0.582	0.659	0.718		0.612	12.1
4-Bromophenyl-phenylether	0.169	0.171	0.193	0.218	0.234		0.197	14.5
Hexachlorobenzene	0.208	0.216	0.235	0.252	0.274		0.237	11.4
Atrazine		0.174	0.206	0.228	0.244	0.266	0.223	15.8
Pentachlorophenol		0.098	0.123	0.144	0.168	0.200	0.147	26.8
2-Methylphenol		1.079	1.258	1.339	1.371	1.402	1.290	10.1
Phenanthrene	1.064	1.072	1.166	1.221	1.261		1.157	7.6
Pentachlorobenzene	0.283	0.286	0.304	0.338	0.363		0.315	11.1
Anthracene	1.029	1.070	1.181	1.243	1.303		1.165	9.9
1,2,3,4-Tetrachlorobenzene	0.284	0.297	0.306	0.354	0.381		0.324	12.7
Carbazole		0.949	1.090	1.132	1.156	1.166	1.099	8.1
Di-n-butylphthalate	0.850	0.942	1.144	1.259	1.323		1.103	18.4
Fluoranthene	1.217	1.221	1.325	1.399	1.439		1.320	7.6
Pyrene	1.346	1.373	1.456	1.542	1.564		1.456	6.7
Butylbenzylphthalate	0.335	0.363	0.456	0.526	0.543		0.445	21.1
3,3-Dichlorobenzidine		0.254	0.316	0.367	0.377	0.424	0.347	18.7
2,2-oxybis(1-Chloropropane)		2.078	2.217	2.290	2.229	2.183	2.199	3.5
Benzo(a)anthracene	1.179	1.210	1.358	1.433	1.527		1.341	11.0
Chrysene	1.141	1.157	1.260	1.338	1.417		1.263	9.3
Bis(2-ethylhexyl)phthalate	0.462	0.537	0.670	0.753	0.789		0.642	21.7
Di-n-octyl phthalate		0.741	0.998	1.233	1.474	1.569	1.203	28.3
Benzo(b)fluoranthene	1.039	1.108	1.245	1.367	1.566		1.265	16.7
Benzo(k)fluoranthene	1.011	1.089	1.222	1.422	1.574		1.264	18.5
Benzo(a)pyrene	0.950	1.013	1.161	1.300	1.456		1.176	17.6
Indeno(1,2,3-cd)pyrene	1.208	1.283	1.439	1.579	1.756		1.453	15.3
Dibenzo(a,h)anthracene	0.981	1.039	1.178	1.285	1.454		1.187	16.1
Benzo(g,h,i)perylene	0.950	1.010	1.117	1.205	1.295		1.115	12.6
Acetophenone		1.915	2.200	2.306	2.290	2.237	2.190	7.3
2,3,4,6-Tetrachlorophenol	0.211	0.235	0.284	0.312	0.342		0.277	19.4
1,4-Dioxane-d8	0.563	0.577	0.588	0.570	0.544		0.568	2.9
Pyridine-d5		1.477	1.691	1.781	1.754	1.747	1.690	7.3

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.: BM121124 SAS No.: BM121124 SDG No.: BM121124

Instrument ID: Calibration Date(s): 12/11/2024

Calibration Time(s): 16:23

LAB FILE ID: RRFAL1 = BM048956.D RRFAL2 = BM048957.D RRFAL3 = BM048958.D
RRFAL4 = BM048959.D RRFAL5 = BM048960.D RRFAL6 = BM048961.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.473	1.679	1.800	1.850	1.916	1.743	10.0
Bis-(2-Chloroethyl)ether-d8		1.089	1.169	1.240	1.212	1.210	1.184	5.0
2-Chlorophenol-d4	1.052	1.169	1.289	1.397	1.419		1.265	12.3
4-Methylphenol-d8		1.088	1.240	1.349	1.390	1.441	1.301	10.8
Nitrobenzene-d5	0.116	0.125	0.149	0.162	0.165		0.143	15.1
2-Nitrophenol-d4	0.096	0.109	0.134	0.156	0.168		0.133	23.1
2,4-Dichlorophenol-d3	0.227	0.259	0.295	0.314	0.316		0.282	13.6
4-Chloroaniline-d4		0.378	0.437	0.458	0.460	0.467	0.440	8.3
4-Methylphenol		1.210	1.378	1.474	1.502	1.524	1.417	9.1
Dimethylphthalate-d6	1.269	1.322	1.407	1.458	1.430		1.377	5.7
Acenaphthylene-d8	1.448	1.558	1.707	1.847	1.844		1.681	10.5
4-Nitrophenol-d4		0.184	0.258	0.280	0.293	0.305	0.264	18.2
Fluorene-d10	1.071	1.114	1.217	1.272	1.294		1.194	8.2
4,6-Dinitro-2-methylphenol-		0.062	0.086	0.106	0.124	0.144	0.104	30.8
Anthracene-d10	0.840	0.877	0.992	1.064	1.129		0.980	12.4
Pyrene-d10	0.985	1.023	1.132	1.221	1.254		1.123	10.5
Benzo(a)pyrene-d12	0.805	0.898	1.021	1.137	1.262		1.025	17.8
N-Nitroso-di-n-propylamine	0.859	0.937	1.114	1.205	1.221		1.067	15.2

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.: BM121124 SAS No.: BM121124 SDG NO.: BM121124

EPA Sample No.: SSTD020001 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BM048958.D Time Analyzed: 20:57

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	156047	7.575	622746	10.34	370622	14.21
	UPPER LIMIT	312094	8.075	1245492	10.839	741244	14.71
	LOWER LIMIT	78023.5	7.075	311373	9.839	185311	13.71
	EPA SAMPLE NO.						
01	SICV005	192363	7.58	759715	10.34	435813	14.21

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.: BM121124 SAS No.: BM121124 SDG NO.: BM121124

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.: BM121124 SAS No.: BM121124 SDG NO.: BM121124

EPA Sample No.: SSTD020001 Date Analyzed: Dec 11 2024 12:00AM

Lab File ID: BM048958.D Time Analyzed: 20:57

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	685548	16.956	635517	21.18	630762	23.997
	UPPER LIMIT	1371096	17.456	1271034	21.68	1261524	24.497
	LOWER LIMIT	342774	16.456	317758.5	20.68	315381	23.497
	EPA SAMPLE NO.						
01	SICV005	824402	16.96	772580	21.18	765893	23.99

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.: BM121124 SAS No.: BM121124 SDG NO.: BM121124

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.: BM121124

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.: BM121124

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.: BM121124 SAS No.: BM121124 SDG NO.: BM121124

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: BM121124

Lab Code: CHEM SAS No.: BM121124 SDG NO.: BM121124

Lab File ID: BM048955.D DFTPP Injection Date: 12/11/2024

Instrument ID: BNA_M DFTPP Injection Time: 15:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	44.4
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	45.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.2
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	6.6
275	10.0 - 60.0% of mass 198	21.4
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	9
442	Greater than 50% of mass 198	54
443	15.0 - 24.0% of mass 442	10.7 (19.8) 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
SSTD005048	SSTD00560	BM048956.D	12/11/2024	16:23
SSTD010049	SSTD01061	BM048957.D	12/11/2024	17:02
SSTD020001	SSTD02062	BM048958.D	12/11/2024	17:41
SSTD040002	SSTD04063	BM048959.D	12/11/2024	18:20
SSTD080003	SSTD08064	BM048960.D	12/11/2024	19:00
SSTD160004	SSTD16065	BM048961.D	12/11/2024	19:39
SICV005	SSTDICV020	BM048962.D	12/11/2024	20:57