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.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 01:00

Lab File ID: BN031054.D Init. Calib. Date(s):

EPA Sample No.: SSTD020368 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.448	0.010	-1.199	40.0
Benzaldehyde	0.828	1.060	0.010	28.0124	40.0
Pyridine	1.244	1.346	0.010	8.2282	40.0
Phenol	1.739	1.900	0.080	9.2236	20.0
Bis(2-Chloroethyl)ether	1.372	1.503	0.100	9.483	20.0
2-Chlorophenol	1.365	1.523	0.200	11.5723	20.0
2-Methylphenol	1.348	1.436	0.010	6.562	20.0
2,2-oxybis(1-Chloropropane)	1.789	1.981	0.010	10.7128	40.0
Acetophenone	2.198	2.445	0.060	11.2308	20.0
4-Methylphenol	1.510	1.603	0.010	6.162	20.0
N-Nitroso-di-n-propylamine	1.096	1.197	0.050	9.2195	30.0
Hexachloroethane	0.567	0.623	0.100	10.0397	20.0
Nitrobenzene	0.339	0.373	0.050	9.8989	25.0
Isophorone	0.692	0.740	0.050	6.9699	25.0
2-Nitrophenol	0.165	0.182	0.050	10.0432	25.0
2,4-Dimethylphenol	0.337	0.357	0.050	6.0243	25.0
Bis(2-Chloroethoxy)methane	0.420	0.455	0.050	8.2167	20.0
2,4-Dichlorophenol	0.294	0.320	0.060	8.8062	20.0
Naphthalene	1.037	1.129	0.200	8.9592	20.0
4-Chloroaniline	0.447	0.485	0.010	8.4618	40.0
Hexachlorobutadiene	0.179	0.194	0.040	7.9074	30.0
Caprolactam	0.116	0.116	0.010	0.2605	40.0
4-Chloro-3-methylphenol	0.341	0.366	0.040	7.3775	25.0
1-Methylnaphthalene	0.740	0.802	0.100	8.4436	20.0
2-Methylnaphthalene	0.731	0.791	0.100	8.1842	20.0
Hexachlorocyclopentadiene	0.287	0.295	0.010	2.6353	40.0
2,4,6-Trichlorophenol	0.348	0.382	0.090	9.5345	25.0
2,4,5-Trichlorophenol	0.386	0.424	0.100	9.7352	25.0
1,1-Biphenyl	1.376	1.490	0.200	8.3122	20.0
2-Chloronaphthalene	1.099	1.195	0.300	8.7092	20.0
2-Nitroaniline	0.303	0.327	0.050	7.6628	40.0
Dimethylphthalate	1.436	1.519	0.300	5.7896	20.0
2,6-Dinitrotoluene	0.270	0.297	0.080	10.0198	30.0
Acenaphthylene	1.842	2.003	0.400	8.7507	20.0
3-Nitroaniline	0.309	0.340	0.010	9.7951	40.0
Acenaphthene	1.221	1.329	0.200	8.7864	20.0
2,4-Dinitrophenol	0.152	0.137	0.010	-10.1017	40.0
4-Nitrophenol	0.236	0.249	0.010	5.601	40.0
Dibenzofuran	1.689	1.829	0.300	8.3313	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 01:00

Lab File ID: BN031054.D Init. Calib. Date(s):

EPA Sample No.: SSTD020368 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.453	0.070	10.5098	30.0
Diethylphthalate	1.477	1.622	0.300	9.8633	20.0
Fluorene	1.390	1.511	0.200	8.7561	20.0
4-Chlorophenyl-phenylether	0.662	0.724	0.100	9.3979	20.0
4-Nitroaniline	0.334	0.373	0.010	11.8147	40.0
4,6-Dinitro-2-methylphenol	0.108	0.112	0.010	3.6498	40.0
N-Nitrosodiphenylamine	0.536	0.588	0.050	9.6372	20.0
1,2,4,5-Tetrachlorobenzene	0.523	0.565	0.100	7.8688	20.0
4-Bromophenyl-phenylether	0.189	0.201	0.070	6.3463	20.0
Hexachlorobenzene	0.218	0.238	0.050	9.0869	25.0
Atrazine	0.188	0.211	0.010	12.2135	25.0
Pentachlorophenol	0.142	0.147	0.010	3.6228	40.0
Phenanthrene	1.058	1.149	0.200	8.6543	20.0
Pentachlorobenzene	0.242	0.261	0.050	7.8368	20.0
Anthracene	1.071	1.175	0.200	9.7808	20.0
1,2,3,4-Tetrachlorobenzene	0.235	0.258	0.050	10.1063	20.0
Carbazole	0.978	1.106	0.050	13.1063	40.0
Di-n-butylphthalate	1.192	1.331	0.500	11.6328	25.0
Fluoranthene	1.163	1.236	0.400	6.2754	25.0
Pyrene	1.222	1.345	0.400	10.0261	25.0
Butylbenzylphthalate	0.539	0.575	0.100	6.5705	40.0
3,3-Dichlorobenzidine	0.417	0.473	0.010	13.4464	40.0
Benzo(a)anthracene	1.358	1.468	0.300	8.0603	30.0
Chrysene	1.289	1.382	0.200	7.1968	30.0
Bis(2-ethylhexyl)phthalate	0.810	0.881	0.200	8.7571	40.0
Di-n-octyl phthalate	1.153	1.220	0.010	5.8598	40.0
Benzo(b)fluoranthene	1.125	1.204	0.200	7.0254	25.0
Benzo(k)fluoranthene	1.132	1.260	0.200	11.3303	25.0
Benzo(a)pyrene	1.123	1.198	0.200	6.7097	20.0
Indeno(1,2,3-cd)pyrene	1.393	1.503	0.200	7.9194	25.0
Dibenzo(a,h)anthracene	1.143	1.240	0.200	8.4663	30.0
Benzo(g,h,i)perylene	1.122	1.196	0.200	6.6486	30.0
2,3,4,6-Tetrachlorophenol	0.334	0.373	0.040	11.63	20.0
1,4-Dioxane-d8	0.428	0.436	0.010	1.8289	25.0
Pyridine-d5	1.233	1.377	0.010	11.7188	40.0
Phenol-d5	1.687	1.805	0.010	6.9933	25.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.092	0.050	11.2981	25.0
2-Chlorophenol-d4	1.314	1.434	0.200	9.1328	20.0
4-Methylphenol-d8	1.419	1.517	0.010	6.8951	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 01:00

Lab File ID: BN031054.D Init. Calib. Date(s):

EPA Sample No.: SSTD020368 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.156	0.050	8.8897	20.0
2-Nitrophenol-d4	0.149	0.162	0.050	8.5748	30.0
2,4-Dichlorophenol-d3	0.295	0.318	0.060	7.9604	20.0
4-Chloroaniline-d4	0.460	0.497	0.010	8.0106	40.0
Dimethylphthalate-d6	1.392	1.490	0.300	7.0731	20.0
Acenaphthylene-d8	1.577	1.729	0.400	9.6494	20.0
4-Nitrophenol-d4	0.290	0.311	0.010	6.9137	40.0
Fluorene-d10	1.212	1.319	0.100	8.8553	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.103	0.010	1.6795	40.0
Anthracene-d10	0.867	0.955	0.300	10.1192	20.0
Pyrene-d10	0.983	1.048	0.300	6.6147	25.0
Benzo(a)pyrene-d12	0.948	1.011	0.010	6.5599	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 10:52

Lab File ID: BN031068.D Init. Calib. Date(s):

EPA Sample No.: SSTD020369 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.494	0.010	8.8121	40.0
Benzaldehyde	0.828	1.045	0.010	26.1529	40.0
Pyridine	1.244	1.343	0.010	7.9161	40.0
Phenol	1.739	1.869	0.080	7.4725	20.0
Bis(2-Chloroethyl)ether	1.372	1.502	0.100	9.4543	20.0
2-Chlorophenol	1.365	1.513	0.200	10.8099	20.0
2-Methylphenol	1.348	1.440	0.010	6.8495	20.0
2,2-oxybis(1-Chloropropane)	1.789	1.969	0.010	10.0458	40.0
Acetophenone	2.198	2.402	0.060	9.2435	20.0
4-Methylphenol	1.510	1.602	0.010	6.1229	20.0
N-Nitroso-di-n-propylamine	1.096	1.181	0.050	7.7379	30.0
Hexachloroethane	0.567	0.622	0.100	9.8319	20.0
Nitrobenzene	0.339	0.373	0.050	9.8703	25.0
Isophorone	0.692	0.731	0.050	5.6694	25.0
2-Nitrophenol	0.165	0.180	0.050	9.1498	25.0
2,4-Dimethylphenol	0.337	0.353	0.050	4.7452	25.0
Bis(2-Chloroethoxy)methane	0.420	0.458	0.050	9.0343	20.0
2,4-Dichlorophenol	0.294	0.318	0.060	8.124	20.0
Naphthalene	1.037	1.120	0.200	8.0405	20.0
4-Chloroaniline	0.447	0.481	0.010	7.6051	40.0
Hexachlorobutadiene	0.179	0.191	0.040	6.4739	30.0
Caprolactam	0.116	0.115	0.010	-1.0408	40.0
4-Chloro-3-methylphenol	0.341	0.362	0.040	6.0018	25.0
1-Methylnaphthalene	0.740	0.791	0.100	6.886	20.0
2-Methylnaphthalene	0.731	0.786	0.100	7.5833	20.0
Hexachlorocyclopentadiene	0.287	0.265	0.010	-7.9522	40.0
2,4,6-Trichlorophenol	0.348	0.375	0.090	7.7192	25.0
2,4,5-Trichlorophenol	0.386	0.416	0.100	7.7185	25.0
1,1-Biphenyl	1.376	1.491	0.200	8.4223	20.0
2-Chloronaphthalene	1.099	1.212	0.300	10.236	20.0
2-Nitroaniline	0.303	0.331	0.050	9.1434	40.0
Dimethylphthalate	1.436	1.553	0.300	8.1488	20.0
2,6-Dinitrotoluene	0.270	0.292	0.080	8.2071	30.0
Acenaphthylene	1.842	2.017	0.400	9.5002	20.0
3-Nitroaniline	0.309	0.339	0.010	9.4772	40.0
Acenaphthene	1.221	1.311	0.200	7.3216	20.0
2,4-Dinitrophenol	0.152	0.125	0.010	-17.9477	40.0
4-Nitrophenol	0.236	0.252	0.010	7.106	40.0
Dibenzofuran	1.689	1.839	0.300	8.9338	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 1: 10:52

Lab File ID: BN031068.D Init. Calib. Date(s):

EPA Sample No.: SSTD020369 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.455	0.070	11.2105	30.0
Diethylphthalate	1.477	1.580	0.300	7.0368	20.0
Fluorene	1.390	1.515	0.200	9.0082	20.0
4-Chlorophenyl-phenylether	0.662	0.725	0.100	9.5582	20.0
4-Nitroaniline	0.334	0.390	0.010	17.0529	40.0
4,6-Dinitro-2-methylphenol	0.108	0.107	0.010	-1.241	40.0
N-Nitrosodiphenylamine	0.536	0.581	0.050	8.363	20.0
1,2,4,5-Tetrachlorobenzene	0.523	0.571	0.100	9.1827	20.0
4-Bromophenyl-phenylether	0.189	0.200	0.070	5.8946	20.0
Hexachlorobenzene	0.218	0.233	0.050	7.0191	25.0
Atrazine	0.188	0.202	0.010	7.0845	25.0
Pentachlorophenol	0.142	0.147	0.010	3.5714	40.0
Phenanthrene	1.058	1.141	0.200	7.8507	20.0
Pentachlorobenzene	0.242	0.260	0.050	7.2357	20.0
Anthracene	1.071	1.171	0.200	9.3589	20.0
1,2,3,4-Tetrachlorobenzene	0.235	0.252	0.050	7.4314	20.0
Carbazole	0.978	1.096	0.050	12.0493	40.0
Di-n-butylphthalate	1.192	1.313	0.500	10.1967	25.0
Fluoranthene	1.163	1.262	0.400	8.5337	25.0
Pyrene	1.222	1.331	0.400	8.9197	25.0
Butylbenzylphthalate	0.539	0.575	0.100	6.5718	40.0
3,3-Dichlorobenzidine	0.417	0.459	0.010	10.2522	40.0
Benzo(a)anthracene	1.358	1.506	0.300	10.8944	30.0
Chrysene	1.289	1.413	0.200	9.5858	30.0
Bis(2-ethylhexyl)phthalate	0.810	0.854	0.200	5.4268	40.0
Di-n-octyl phthalate	1.153	1.246	0.010	8.0685	40.0
Benzo(b)fluoranthene	1.125	1.258	0.200	11.7773	25.0
Benzo(k)fluoranthene	1.132	1.283	0.200	13.3583	25.0
Benzo(a)pyrene	1.123	1.238	0.200	10.2473	20.0
Indeno(1,2,3-cd)pyrene	1.393	1.453	0.200	4.2932	25.0
Dibenzo(a,h)anthracene	1.143	1.213	0.200	6.1125	30.0
Benzo(g,h,i)perylene	1.122	1.178	0.200	4.9803	30.0
2,3,4,6-Tetrachlorophenol	0.334	0.367	0.040	9.9526	20.0
1,4-Dioxane-d8	0.428	0.452	0.010	5.5634	25.0
Pyridine-d5	1.233	1.355	0.010	9.8818	40.0
Phenol-d5	1.687	1.797	0.010	6.5387	25.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.068	0.050	8.8451	25.0
2-Chlorophenol-d4	1.314	1.425	0.200	8.4879	20.0
4-Methylphenol-d8	1.419	1.507	0.010	6.2122	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 10:52

Lab File ID: BN031068.D Init. Calib. Date(s):

EPA Sample No.: SSTD020369 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.155	0.050	7.9345	20.0
2-Nitrophenol-d4	0.149	0.160	0.050	7.2511	30.0
2,4-Dichlorophenol-d3	0.295	0.319	0.060	8.1723	20.0
4-Chloroaniline-d4	0.460	0.490	0.010	6.521	40.0
Dimethylphthalate-d6	1.392	1.487	0.300	6.8753	20.0
Acenaphthylene-d8	1.577	1.726	0.400	9.4107	20.0
4-Nitrophenol-d4	0.290	0.308	0.010	6.0566	40.0
Fluorene-d10	1.212	1.328	0.100	9.5991	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.097	0.010	-3.8119	40.0
Anthracene-d10	0.867	0.943	0.300	8.8168	20.0
Pyrene-d10	0.983	1.046	0.300	6.4164	25.0
Benzo(a)pyrene-d12	0.948	1.041	0.010	9.8137	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 21:25

Lab File ID: BN031083.D Init. Calib. Date(s):

EPA Sample No.: SSTD020370 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.480	0.010	5.7205	40.0
Benzaldehyde	0.828	1.049	0.010	26.6005	40.0
Pyridine	1.244	1.372	0.010	10.2946	40.0
Phenol	1.739	1.873	0.080	7.6935	20.0
Bis(2-Chloroethyl)ether	1.372	1.512	0.100	10.1971	20.0
2-Chlorophenol	1.365	1.517	0.200	11.0776	20.0
2-Methylphenol	1.348	1.435	0.010	6.4276	20.0
2,2-oxybis(1-Chloropropane)	1.789	1.990	0.010	11.1992	40.0
Acetophenone	2.198	2.409	0.060	9.5754	20.0
4-Methylphenol	1.510	1.619	0.010	7.195	20.0
N-Nitroso-di-n-propylamine	1.096	1.193	0.050	8.8703	30.0
Hexachloroethane	0.567	0.622	0.100	9.8563	20.0
Nitrobenzene	0.339	0.375	0.050	10.6586	25.0
Isophorone	0.692	0.749	0.050	8.243	25.0
2-Nitrophenol	0.165	0.183	0.050	10.596	25.0
2,4-Dimethylphenol	0.337	0.355	0.050	5.3002	25.0
Bis(2-Chloroethoxy)methane	0.420	0.458	0.050	9.0373	20.0
2,4-Dichlorophenol	0.294	0.327	0.060	11.1611	20.0
Naphthalene	1.037	1.129	0.200	8.9006	20.0
4-Chloroaniline	0.447	0.490	0.010	9.4957	40.0
Hexachlorobutadiene	0.179	0.193	0.040	7.8645	30.0
Caprolactam	0.116	0.115	0.010	-0.8622	40.0
4-Chloro-3-methylphenol	0.341	0.375	0.040	9.9674	25.0
1-Methylnaphthalene	0.740	0.798	0.100	7.9008	20.0
2-Methylnaphthalene	0.731	0.787	0.100	7.6055	20.0
Hexachlorocyclopentadiene	0.287	0.266	0.010	-7.4279	40.0
2,4,6-Trichlorophenol	0.348	0.383	0.090	9.8538	25.0
2,4,5-Trichlorophenol	0.386	0.435	0.100	12.5671	25.0
1,1-Biphenyl	1.376	1.507	0.200	9.5857	20.0
2-Chloronaphthalene	1.099	1.204	0.300	9.5845	20.0
2-Nitroaniline	0.303	0.333	0.050	9.8598	40.0
Dimethylphthalate	1.436	1.541	0.300	7.3516	20.0
2,6-Dinitrotoluene	0.270	0.297	0.080	10.0492	30.0
Acenaphthylene	1.842	2.031	0.400	10.2708	20.0
3-Nitroaniline	0.309	0.341	0.010	10.1427	40.0
Acenaphthene	1.221	1.332	0.200	9.088	20.0
2,4-Dinitrophenol	0.152	0.120	0.010	-20.9464	40.0
4-Nitrophenol	0.236	0.258	0.010	9.25	40.0
Dibenzofuran	1.689	1.826	0.300	8.1329	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 21:25

Lab File ID: BN031083.D Init. Calib. Date(s):

EPA Sample No.: SSTD020370 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.460	0.070	12.2496	30.0
Diethylphthalate	1.477	1.610	0.300	9.0348	20.0
Fluorene	1.390	1.513	0.200	8.8485	20.0
4-Chlorophenyl-phenylether	0.662	0.738	0.100	11.5628	20.0
4-Nitroaniline	0.334	0.389	0.010	16.5603	40.0
4,6-Dinitro-2-methylphenol	0.108	0.106	0.010	-1.948	40.0
N-Nitrosodiphenylamine	0.536	0.583	0.050	8.806	20.0
1,2,4,5-Tetrachlorobenzene	0.523	0.580	0.100	10.7627	20.0
4-Bromophenyl-phenylether	0.189	0.201	0.070	6.4148	20.0
Hexachlorobenzene	0.218	0.236	0.050	8.3319	25.0
Atrazine	0.188	0.210	0.010	11.3699	25.0
Pentachlorophenol	0.142	0.151	0.010	6.778	40.0
Phenanthrene	1.058	1.152	0.200	8.8545	20.0
Pentachlorobenzene	0.242	0.268	0.050	10.6271	20.0
Anthracene	1.071	1.145	0.200	6.9776	20.0
1,2,3,4-Tetrachlorobenzene	0.235	0.256	0.050	9.2348	20.0
Carbazole	0.978	1.102	0.050	12.6602	40.0
Di-n-butylphthalate	1.192	1.305	0.500	9.463	25.0
Fluoranthene	1.163	1.281	0.400	10.1145	25.0
Pyrene	1.222	1.373	0.400	12.3757	25.0
Butylbenzylphthalate	0.539	0.603	0.100	11.866	40.0
3,3-Dichlorobenzidine	0.417	0.459	0.010	10.1701	40.0
Benzo(a)anthracene	1.358	1.514	0.300	11.4624	30.0
Chrysene	1.289	1.457	0.200	13.0524	30.0
Bis(2-ethylhexyl)phthalate	0.810	0.904	0.200	11.6505	40.0
Di-n-octyl phthalate	1.153	1.248	0.010	8.2963	40.0
Benzo(b)fluoranthene	1.125	1.230	0.200	9.319	25.0
Benzo(k)fluoranthene	1.132	1.274	0.200	12.5318	25.0
Benzo(a)pyrene	1.123	1.210	0.200	7.7774	20.0
Indeno(1,2,3-cd)pyrene	1.393	1.390	0.200	-0.2351	25.0
Dibenzo(a,h)anthracene	1.143	1.179	0.200	3.1427	30.0
Benzo(g,h,i)perylene	1.122	1.125	0.200	0.2733	30.0
2,3,4,6-Tetrachlorophenol	0.334	0.379	0.040	13.401	20.0
Pyridine-d5	1.233	1.372	0.010	11.2996	40.0
1,4-Dioxane-d8	0.428	0.443	0.010	3.5345	25.0
Phenol-d5	1.687	1.795	0.010	6.4124	25.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.068	0.050	8.8518	25.0
2-Chlorophenol-d4	1.314	1.414	0.200	7.6462	20.0
4-Methylphenol-d8	1.419	1.505	0.010	6.0945	20.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/20/2024 12 21:25

Lab File ID: BN031083.D Init. Calib. Date(s):

EPA Sample No.: SSTD020370 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.156	0.050	8.3677	20.0
2-Nitrophenol-d4	0.149	0.163	0.050	9.2022	30.0
2,4-Dichlorophenol-d3	0.295	0.333	0.060	13.1887	20.0
4-Chloroaniline-d4	0.460	0.497	0.010	7.8846	40.0
Dimethylphthalate-d6	1.392	1.495	0.300	7.4046	20.0
Acenaphthylene-d8	1.577	1.750	0.400	10.9829	20.0
4-Nitrophenol-d4	0.290	0.317	0.010	9.244	40.0
Fluorene-d10	1.212	1.326	0.100	9.4076	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.096	0.010	-4.9161	40.0
Anthracene-d10	0.867	0.955	0.300	10.2141	20.0
Pyrene-d10	0.983	1.089	0.300	10.8238	25.0
Benzo(a)pyrene-d12	0.948	1.012	0.010	6.7211	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 07:56

Lab File ID: BN031098.D Init. Calib. Date(s):

EPA Sample No.: SSTD020371 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.505	0.010	11.2855	40.0
Benzaldehyde	0.828	1.026	0.010	23.8593	40.0
Pyridine	1.244	1.367	0.010	9.865	40.0
Phenol	1.739	1.843	0.080	5.9278	20.0
Bis(2-Chloroethyl)ether	1.372	1.470	0.100	7.1117	20.0
2-Chlorophenol	1.365	1.491	0.200	9.1669	20.0
2-Methylphenol	1.348	1.379	0.010	2.3311	20.0
2,2-oxybis(1-Chloropropane)	1.789	1.934	0.010	8.0601	40.0
Acetophenone	2.198	2.319	0.060	5.5012	20.0
4-Methylphenol	1.510	1.550	0.010	2.6808	20.0
N-Nitroso-di-n-propylamine	1.096	1.103	0.050	0.618	30.0
Hexachloroethane	0.567	0.592	0.100	4.4925	20.0
Nitrobenzene	0.339	0.375	0.050	10.7122	25.0
Isophorone	0.692	0.706	0.050	2.0258	25.0
2-Nitrophenol	0.165	0.181	0.050	9.3911	25.0
2,4-Dimethylphenol	0.337	0.355	0.050	5.393	25.0
Bis(2-Chloroethoxy)methane	0.420	0.450	0.050	6.9842	20.0
2,4-Dichlorophenol	0.294	0.321	0.060	9.0365	20.0
Naphthalene	1.037	1.143	0.200	10.2961	20.0
4-Chloroaniline	0.447	0.482	0.010	7.7099	40.0
Hexachlorobutadiene	0.179	0.196	0.040	9.5218	30.0
Caprolactam	0.116	0.108	0.010	-6.7289	40.0
4-Chloro-3-methylphenol	0.341	0.361	0.040	5.9175	25.0
1-Methylnaphthalene	0.740	0.789	0.100	6.6269	20.0
2-Methylnaphthalene	0.731	0.791	0.100	8.1582	20.0
Hexachlorocyclopentadiene	0.287	0.249	0.010	-13.4912	40.0
2,4,6-Trichlorophenol	0.348	0.369	0.090	6.0044	25.0
2,4,5-Trichlorophenol	0.386	0.408	0.100	5.5238	25.0
1,1-Biphenyl	1.376	1.515	0.200	10.1731	20.0
2-Chloronaphthalene	1.099	1.190	0.300	8.2228	20.0
2-Nitroaniline	0.303	0.322	0.050	6.1632	40.0
Dimethylphthalate	1.436	1.501	0.300	4.546	20.0
2,6-Dinitrotoluene	0.270	0.285	0.080	5.7429	30.0
Acenaphthylene	1.842	1.989	0.400	7.9687	20.0
3-Nitroaniline	0.309	0.336	0.010	8.4414	40.0
Acenaphthene	1.221	1.326	0.200	8.5871	20.0
2,4-Dinitrophenol	0.152	0.116	0.010	-23.6825	40.0
4-Nitrophenol	0.236	0.243	0.010	2.9202	40.0
Dibenzofuran	1.689	1.841	0.300	9.0401	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 07:56

Lab File ID: BN031098.D Init. Calib. Date(s):

EPA Sample No.: SSTD020371 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.447	0.070	9.264	30.0
Diethylphthalate	1.477	1.563	0.300	5.8814	20.0
Fluorene	1.390	1.511	0.200	8.7124	20.0
4-Chlorophenyl-phenylether	0.662	0.713	0.100	7.7832	20.0
4-Nitroaniline	0.334	0.383	0.010	14.8401	40.0
4,6-Dinitro-2-methylphenol	0.108	0.104	0.010	-3.6551	40.0
N-Nitrosodiphenylamine	0.536	0.573	0.050	6.9674	20.0
1,2,4,5-Tetrachlorobenzene	0.523	0.573	0.100	9.4798	20.0
4-Bromophenyl-phenylether	0.189	0.200	0.070	5.9353	20.0
Hexachlorobenzene	0.218	0.232	0.050	6.2412	25.0
Atrazine	0.188	0.202	0.010	7.4321	25.0
Pentachlorophenol	0.142	0.149	0.010	5.0849	40.0
Phenanthrene	1.058	1.146	0.200	8.3306	20.0
Pentachlorobenzene	0.242	0.262	0.050	8.2529	20.0
Anthracene	1.071	1.177	0.200	9.9757	20.0
1,2,3,4-Tetrachlorobenzene	0.235	0.255	0.050	8.6589	20.0
Carbazole	0.978	1.121	0.050	14.5852	40.0
Di-n-butylphthalate	1.192	1.286	0.500	7.8819	25.0
Fluoranthene	1.163	1.208	0.400	3.8847	25.0
Pyrene	1.222	1.298	0.400	6.2216	25.0
Butylbenzylphthalate	0.539	0.548	0.100	1.6194	40.0
3,3-Dichlorobenzidine	0.417	0.444	0.010	6.5514	40.0
Benzo(a)anthracene	1.358	1.470	0.300	8.2532	30.0
Chrysene	1.289	1.374	0.200	6.5807	30.0
Bis(2-ethylhexyl)phthalate	0.810	0.829	0.200	2.3247	40.0
Di-n-octyl phthalate	1.153	1.204	0.010	4.4711	40.0
Benzo(b)fluoranthene	1.125	1.256	0.200	11.5935	25.0
Benzo(k)fluoranthene	1.132	1.306	0.200	15.4001	25.0
Benzo(a)pyrene	1.123	1.252	0.200	11.528	20.0
Indeno(1,2,3-cd)pyrene	1.393	1.457	0.200	4.6192	25.0
Dibenzo(a,h)anthracene	1.143	1.195	0.200	4.5041	30.0
Benzo(g,h,i)perylene	1.122	1.153	0.200	2.781	30.0
2,3,4,6-Tetrachlorophenol	0.334	0.365	0.040	9.4145	20.0
1,4-Dioxane-d8	0.428	0.452	0.010	5.6889	25.0
Pyridine-d5	1.233	1.366	0.010	10.8015	40.0
Phenol-d5	1.687	1.751	0.010	3.7635	25.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.052	0.050	7.1886	25.0
2-Chlorophenol-d4	1.314	1.402	0.200	6.7608	20.0
4-Methylphenol-d8	1.419	1.437	0.010	1.2452	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 07:56

Lab File ID: BN031098.D Init. Calib. Date(s):

EPA Sample No.: SSTD020371 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.155	0.050	8.0148	20.0
2-Nitrophenol-d4	0.149	0.158	0.050	5.8754	30.0
2,4-Dichlorophenol-d3	0.295	0.316	0.060	7.2231	20.0
4-Chloroaniline-d4	0.460	0.489	0.010	6.122	40.0
Dimethylphthalate-d6	1.392	1.472	0.300	5.771	20.0
Acenaphthylene-d8	1.577	1.704	0.400	8.0382	20.0
4-Nitrophenol-d4	0.290	0.305	0.010	5.0067	40.0
Fluorene-d10	1.212	1.317	0.100	8.7149	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.090	0.010	-10.5566	40.0
Anthracene-d10	0.867	0.957	0.300	10.4295	20.0
Pyrene-d10	0.983	1.045	0.300	6.3653	25.0
Benzo(a)pyrene-d12	0.948	1.035	0.010	9.1068	20.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 18:24

Lab File ID: BN031113.D Init. Calib. Date(s):

EPA Sample No.: SSTD020372 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.493	0.010	8.7742	50.0
Benzaldehyde	0.828	1.052	0.010	27.0426	50.0
Pyridine	1.244	1.395	0.010	12.1485	50.0
Phenol	1.739	1.865	0.080	7.2483	50.0
Bis(2-Chloroethyl)ether	1.372	1.467	0.100	6.8712	50.0
2-Chlorophenol	1.365	1.493	0.200	9.3324	50.0
2-Methylphenol	1.348	1.396	0.010	3.5978	50.0
2,2-oxybis(1-Chloropropane)	1.789	1.956	0.010	9.3298	50.0
Acetophenone	2.198	2.331	0.060	6.0148	50.0
4-Methylphenol	1.510	1.564	0.010	3.6004	50.0
N-Nitroso-di-n-propylamine	1.096	1.128	0.050	2.9656	50.0
Hexachloroethane	0.567	0.617	0.100	8.9097	50.0
Nitrobenzene	0.339	0.377	0.050	11.0616	50.0
Isophorone	0.692	0.704	0.050	1.7599	50.0
2-Nitrophenol	0.165	0.183	0.050	10.6759	50.0
2,4-Dimethylphenol	0.337	0.342	0.050	1.4472	50.0
Bis(2-Chloroethoxy)methane	0.420	0.443	0.050	5.4944	50.0
2,4-Dichlorophenol	0.294	0.318	0.060	8.0071	50.0
Naphthalene	1.037	1.120	0.200	8.0406	50.0
4-Chloroaniline	0.447	0.473	0.010	5.6938	50.0
Hexachlorobutadiene	0.179	0.191	0.040	6.7381	50.0
Caprolactam	0.116	0.110	0.010	-5.1942	50.0
4-Chloro-3-methylphenol	0.341	0.353	0.040	3.3707	50.0
1-Methylnaphthalene	0.740	0.781	0.100	5.6335	50.0
2-Methylnaphthalene	0.731	0.760	0.100	3.9474	50.0
Hexachlorocyclopentadiene	0.287	0.276	0.010	-4.0071	50.0
2,4,6-Trichlorophenol	0.348	0.382	0.090	9.6402	50.0
2,4,5-Trichlorophenol	0.386	0.425	0.100	9.9418	50.0
1,1-Biphenyl	1.376	1.529	0.200	11.15	50.0
2-Chloronaphthalene	1.099	1.216	0.300	10.6695	50.0
2-Nitroaniline	0.303	0.342	0.050	12.6211	50.0
Dimethylphthalate	1.436	1.515	0.300	5.5202	50.0
2,6-Dinitrotoluene	0.270	0.296	0.080	9.7187	50.0
Acenaphthylene	1.842	2.039	0.400	10.6915	50.0
3-Nitroaniline	0.309	0.349	0.010	12.7705	50.0
Acenaphthene	1.221	1.338	0.200	9.5401	50.0
2,4-Dinitrophenol	0.152	0.130	0.010	-14.8355	50.0
4-Nitrophenol	0.236	0.255	0.010	8.2896	50.0
Dibenzofuran	1.689	1.832	0.300	8.52	50.0

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 18:24

Lab File ID: BN031113.D Init. Calib. Date(s):

EPA Sample No.: SSTD020372 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.458	0.070	11.8573	50.0
Diethylphthalate	1.477	1.576	0.300	6.7634	50.0
Fluorene	1.390	1.496	0.200	7.6505	50.0
4-Chlorophenyl-phenylether	0.662	0.722	0.100	9.1561	50.0
4-Nitroaniline	0.334	0.390	0.010	17.0198	50.0
4,6-Dinitro-2-methylphenol	0.108	0.108	0.010	-0.726	50.0
N-Nitrosodiphenylamine	0.536	0.581	0.050	8.4124	50.0
1,2,4,5-Tetrachlorobenzene	0.523	0.583	0.100	11.4131	50.0
4-Bromophenyl-phenylether	0.189	0.198	0.070	4.5681	50.0
Hexachlorobenzene	0.218	0.243	0.050	11.4739	50.0
Atrazine	0.188	0.203	0.010	8.0171	50.0
Pentachlorophenol	0.142	0.149	0.010	4.8932	50.0
Phenanthrene	1.058	1.151	0.200	8.7966	50.0
Pentachlorobenzene	0.242	0.261	0.050	7.7699	50.0
Anthracene	1.071	1.172	0.200	9.5137	50.0
1,2,3,4-Tetrachlorobenzene	0.235	0.261	0.050	11.2829	50.0
Carbazole	0.978	1.121	0.050	14.6805	50.0
Di-n-butylphthalate	1.192	1.299	0.500	8.9906	50.0
Fluoranthene	1.163	1.252	0.400	7.6172	50.0
Pyrene	1.222	1.325	0.400	8.4508	50.0
Butylbenzylphthalate	0.539	0.575	0.100	6.616	50.0
3,3-Dichlorobenzidine	0.417	0.467	0.010	11.9876	50.0
Benzo(a)anthracene	1.358	1.471	0.300	8.3169	50.0
Chrysene	1.289	1.401	0.200	8.6864	50.0
Bis(2-ethylhexyl)phthalate	0.810	0.861	0.200	6.2823	50.0
Di-n-octyl phthalate	1.153	1.277	0.010	10.7614	50.0
Benzo(b)fluoranthene	1.125	1.283	0.200	14.0458	50.0
Benzo(k)fluoranthene	1.132	1.269	0.200	12.1442	50.0
Benzo(a)pyrene	1.123	1.213	0.200	8.0622	50.0
Indeno(1,2,3-cd)pyrene	1.393	1.426	0.200	2.3492	50.0
Dibenzo(a,h)anthracene	1.143	1.178	0.200	3.0138	50.0
Benzo(g,h,i)perylene	1.122	1.111	0.200	-0.9261	50.0
2,3,4,6-Tetrachlorophenol	0.334	0.354	0.040	6.1366	50.0
1,4-Dioxane-d8	0.428	0.448	0.010	4.6215	50.0
Pyridine-d5	1.233	1.353	0.010	9.7685	50.0
Phenol-d5	1.687	1.775	0.010	5.2351	50.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.060	0.050	7.9871	50.0
2-Chlorophenol-d4	1.314	1.410	0.200	7.3627	50.0
4-Methylphenol-d8	1.419	1.457	0.010	2.6911	50.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/21/2024 12 18:24

Lab File ID: BN031113.D Init. Calib. Date(s):

EPA Sample No.: SSTD020372 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.144	0.155	0.050	7.6823	50.0
2-Nitrophenol-d4	0.149	0.161	0.050	7.8843	50.0
2,4-Dichlorophenol-d3	0.295	0.319	0.060	8.4096	50.0
4-Chloroaniline-d4	0.460	0.480	0.010	4.3155	50.0
Dimethylphthalate-d6	1.392	1.466	0.300	5.3675	50.0
Acenaphthylene-d8	1.577	1.734	0.400	9.9658	50.0
4-Nitrophenol-d4	0.290	0.315	0.010	8.3131	50.0
Fluorene-d10	1.212	1.325	0.100	9.3907	50.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.096	0.010	-4.8695	50.0
Anthracene-d10	0.867	0.961	0.300	10.8963	50.0
Pyrene-d10	0.983	1.052	0.300	7.0741	50.0
Benzo(a)pyrene-d12	0.948	1.043	0.010	9.9746	50.0

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/19/2024 12 22:22

Lab File ID: BN031051.D Init. Calib. Date(s):

EPA Sample No.: SICV223 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
1,4-Dioxane	0.454	0.456	0.010	0.5954	40.0
Benzaldehyde	0.828	1.035	0.010	24.9917	40.0
Pyridine	1.244	0.000	0.010	0.0	40.0
Phenol	1.739	1.806	0.080	3.8516	20.0
Bis(2-Chloroethyl)ether	1.372	1.457	0.100	6.1814	20.0
2-Chlorophenol	1.365	1.464	0.200	7.209	20.0
2-Methylphenol	1.348	1.424	0.010	5.6314	20.0
2,2-oxybis(1-Chloropropane)	1.789	1.949	0.010	8.9357	40.0
Acetophenone	2.198	2.407	0.060	9.4906	20.0
4-Methylphenol	1.510	1.575	0.010	4.3119	20.0
N-Nitroso-di-n-propylamine	1.096	1.198	0.050	9.3101	30.0
Hexachloroethane	0.567	0.603	0.100	6.5059	20.0
Nitrobenzene	0.339	0.365	0.050	7.6331	25.0
Isophorone	0.692	0.743	0.050	7.3041	25.0
2-Nitrophenol	0.165	0.182	0.050	10.0888	25.0
2,4-Dimethylphenol	0.337	0.364	0.050	8.0932	25.0
Bis(2-Chloroethoxy)methane	0.420	0.454	0.050	7.9466	20.0
2,4-Dichlorophenol	0.294	0.320	0.060	8.6078	20.0
Naphthalene	1.037	1.111	0.200	7.1975	20.0
4-Chloroaniline	0.447	0.486	0.010	8.5506	40.0
Hexachlorobutadiene	0.179	0.192	0.040	6.9881	30.0
Caprolactam	0.116	0.119	0.010	2.2568	40.0
4-Chloro-3-methylphenol	0.341	0.371	0.040	8.7099	25.0
1-Methylnaphthalene	0.740	0.792	0.100	7.045	20.0
2-Methylnaphthalene	0.731	0.788	0.100	7.8089	20.0
Hexachlorocyclopentadiene	0.287	0.284	0.010	-1.0465	40.0
2,4,6-Trichlorophenol	0.348	0.366	0.090	5.01	25.0
2,4,5-Trichlorophenol	0.386	0.411	0.100	6.4115	25.0
1,1-Biphenyl	1.376	1.434	0.200	4.2239	20.0
2-Chloronaphthalene	1.099	1.156	0.300	5.1994	20.0
2-Nitroaniline	0.303	0.325	0.050	7.1246	40.0
Dimethylphthalate	1.436	1.514	0.300	5.4563	20.0
2,6-Dinitrotoluene	0.270	0.294	0.080	9.0985	30.0
Acenaphthylene	1.842	1.965	0.400	6.6547	20.0
3-Nitroaniline	0.309	0.336	0.010	8.7208	40.0
Acenaphthene	1.221	1.295	0.200	6.0597	20.0
2,4-Dinitrophenol	0.152	0.136	0.010	-10.4638	40.0
4-Nitrophenol	0.236	0.253	0.010	7.2877	40.0
Dibenzofuran	1.689	1.782	0.300	5.5541	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/19/2024 12 22:22

Lab File ID: BN031051.D Init. Calib. Date(s):

EPA Sample No.: SICV223 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFICV	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.410	0.457	0.070	11.4746	30.0
Diethylphthalate	1.477	1.560	0.300	5.6753	20.0
Fluorene	1.390	1.476	0.200	6.1983	20.0
4-Chlorophenyl-phenylether	0.662	0.716	0.100	8.1644	20.0
4-Nitroaniline	0.334	0.386	0.010	15.6124	40.0
4,6-Dinitro-2-methylphenol	0.108	0.114	0.010	4.8523	40.0
N-Nitrosodiphenylamine	0.536	0.572	0.050	6.6891	20.0
1,2,4,5-Tetrachlorobenzene	0.523	0.551	0.100	5.3668	20.0
4-Bromophenyl-phenylether	0.189	0.199	0.070	5.3805	20.0
Hexachlorobenzene	0.218	0.237	0.050	8.8571	25.0
Atrazine	0.188	0.209	0.010	10.9242	25.0
Pentachlorophenol	0.142	0.150	0.010	5.6964	40.0
Phenanthrene	1.058	1.133	0.200	7.0622	20.0
Pentachlorobenzene	0.242	0.260	0.050	7.343	20.0
Anthracene	1.071	1.165	0.200	8.8119	20.0
1,2,3,4-Tetrachlorobenzene	0.235	0.249	0.050	6.1249	20.0
Carbazole	0.978	1.089	0.050	11.3852	40.0
Di-n-butylphthalate	1.192	1.303	0.500	9.2853	25.0
Fluoranthene	1.163	1.245	0.400	7.0608	25.0
Pyrene	1.222	1.342	0.400	9.8189	25.0
Butylbenzylphthalate	0.539	0.597	0.100	10.6181	40.0
3,3-Dichlorobenzidine	0.417	0.466	0.010	11.8905	40.0
Benzo(a)anthracene	1.358	1.444	0.300	6.2906	30.0
Chrysene	1.289	1.406	0.200	9.0717	30.0
Bis(2-ethylhexyl)phthalate	0.810	0.909	0.200	12.2814	40.0
Di-n-octyl phthalate	1.153	1.245	0.010	7.9795	40.0
Benzo(b)fluoranthene	1.125	1.197	0.200	6.3425	25.0
Benzo(k)fluoranthene	1.132	1.261	0.200	11.3836	25.0
Benzo(a)pyrene	1.123	1.178	0.200	4.904	20.0
Indeno(1,2,3-cd)pyrene	1.393	1.429	0.200	2.5663	25.0
Dibenzo(a,h)anthracene	1.143	1.200	0.200	4.9173	30.0
Benzo(g,h,i)perylene	1.122	1.149	0.200	2.4575	30.0
2,3,4,6-Tetrachlorophenol	0.334	0.353	0.040	5.7361	20.0
1,4-Dioxane-d8	0.428	0.402	0.010	-6.0243	25.0
Pyridine-d5	1.233	1.312	0.010	6.4167	40.0
Phenol-d5	1.687	1.741	0.010	3.1785	25.0
Bis-(2-Chloroethyl)ether-d8	0.982	1.039	0.050	5.8689	25.0
2-Chlorophenol-d4	1.314	1.384	0.200	5.3713	20.0
4-Methylphenol-d8	1.419	1.479	0.010	4.2647	20.0

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

Instrument ID: BNA_N Calibration Date/Time: 4/19/2024 12 22:22

Lab File ID: BN031051.D Init. Calib. Date(s):

EPA Sample No.: SICV223 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	8.4562	20.0
2-Nitrophenol-d4	0.149	0.163	0.050	9.3786	30.0
2,4-Dichlorophenol-d3	0.295	0.321	0.060	8.966	20.0
4-Chloroaniline-d4	0.460	0.497	0.010	7.8989	40.0
Dimethylphthalate-d6	1.392	1.467	0.300	5.4028	20.0
Acenaphthylene-d8	1.577	1.679	0.400	6.4416	20.0
4-Nitrophenol-d4	0.290	0.307	0.010	5.781	40.0
Fluorene-d10	1.212	1.280	0.100	5.639	20.0
4,6-Dinitro-2-methylphenol-d2	0.101	0.103	0.010	1.8194	40.0
Anthracene-d10	0.867	0.949	0.300	9.4652	20.0
Pyrene-d10	0.983	1.087	0.300	10.6444	25.0
Benzo(a)pyrene-d12	0.948	0.989	0.010	4.2351	20.0

All other compounds must meet a minimum RRF of 0.010.

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Hit Summary Sheet
SW-846

SDG No.: BN041924

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : YCST2									
P2053-04	YCST2	Water	Capro lactam	*	8.900	J			
P2053-04	YCST2	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**8.90**				
			Total Concentration:		**8.90**				
Client ID : YCSS4									
P2053-05	YCSS4	Water	Capro lactam	*	4.000	J			
P2053-05	YCSS4	Water	Tetrachloroethylene	*	3.200	J			
P2053-05	YCSS4	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**7.20**				
P2053-05	YCSS4	Water	1,4-Dioxane		1.500	J	0.31	2	ug/L
			Total Svoc :		**1.50**				
			Total Concentration:		**8.70**				
Client ID : YCSS5									
P2053-06	YCSS5	Water	Capro lactam	*	3.500	J			
P2053-06	YCSS5	Water	Tetrachloroethylene	*	3.500	J			
P2053-06	YCSS5	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**7.00**				
P2053-06	YCSS5	Water	1,4-Dioxane		1.400	J	0.31	2	ug/L
			Total Svoc :		**1.40**				
			Total Concentration:		**8.40**				
Client ID : YCST3									
P2053-07	YCST3	Water	Tetrachloroethylene	*	3.300	J			
P2053-07	YCST3	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**3.30**				
			Total Concentration:		**3.30**				
Client ID : C0AG0									
P2077-06	C0AG0	Water	Cyclopentasiloxane, decamethyl-	*	2.500	J			
P2077-06	C0AG0	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**2.50**				
			Total Concentration:		**2.50**				
Client ID : C0AG1									
P2077-07	C0AG1	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**0.00**				
			Total Concentration:		**0.00**				
Client ID : C0AG2									

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Hit Summary Sheet
SW-846

SDG No.: BN041924

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2077-08	C0AG2	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**0.00**				
			Total Concentration:		**0.00**				
Client ID :	**C0AL3**								
P2077-09	C0AL3	Water	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	3.400	J			
P2077-09	C0AL3	Water	unknown-01	*	3.300	J			
P2077-09	C0AL3	Water	unknown-02	*	7.700	J			
P2077-09	C0AL3	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**14.40**				
P2077-09	C0AL3	Water	Diethylphthalate		160.000	E	1.5	5.1	ug/L
			Total Svoc :		**160.00**				
			Total Concentration:		**174.40**				
Client ID :	**C0AL4**								
P2077-10	C0AL4	Water	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	3.300	J			
P2077-10	C0AL4	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**3.30**				
			Total Concentration:		**3.30**				
Client ID :	**C0AL9**								
P2077-12	C0AL9	Water	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	4.700	J			
P2077-12	C0AL9	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**4.70**				
P2077-12	C0AL9	Water	4-Chloro-3-methylphenol		1.500	J	1.4	5.1	ug/L
P2077-12	C0AL9	Water	Diethylphthalate		80.000		1.5	5.1	ug/L
			Total Svoc :		**81.50**				
			Total Concentration:		**86.20**				
Client ID :	**E0MG8**								
P2117-02	E0MG8	Water	unknown-01	*	8.200	J			
P2117-02	E0MG8	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**8.20**				
			Total Concentration:		**8.20**				
Client ID :	**E0MG9**								
P2117-03	E0MG9	Water	(DEL) Alkane: Cyclic20.957	*	6.400	J			
P2117-03	E0MG9	Water	1-Heptacosanol	*	5.100	J			
P2117-03	E0MG9	Water	1-Phenoxypropan-2-ol	*	2.400	J			
P2117-03	E0MG9	Water	Ethanol, 2-(2-butoxyethoxy)-	*	4.100	J			
P2117-03	E0MG9	Water	n-Hexadecanoic acid	*	3.000	J			
P2117-03	E0MG9	Water	Total Alkanes	*	6.400		1.9	5.1	ug/L
			Total Tics :		**27.40**				

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Hit Summary Sheet
SW-846

SDG No.: BN041924

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:			**27.40**			
Client ID :	**E0MH1**								
P2117-05	E0MH1	Water	(DEL) Alkane: Straight-Chain20.9	*	4.400	J			
P2117-05	E0MH1	Water	Ethanol, 2-(2-butoxyethoxy)-	*	3.800	J			
P2117-05	E0MH1	Water	n-Hexadecanoic acid	*	3.700	J			
P2117-05	E0MH1	Water	Total Alkanes	*	4.400		1.9	5	ug/L
			Total Tics :			**16.30**			
			Total Concentration:			**16.30**			
Client ID :	**E0MH2**								
P2117-06	E0MH2	Water	(DEL) Alkane: Straight-Chain20.9	*	7.900	J			
P2117-06	E0MH2	Water	1-Phenoxypropan-2-ol	*	2.500	J			
P2117-06	E0MH2	Water	Ethanol, 2-(2-butoxyethoxy)-	*	5.900	J			
P2117-06	E0MH2	Water	n-Hexadecanoic acid	*	8.700	J			
P2117-06	E0MH2	Water	Octadecanoic acid	*	2.800	J			
P2117-06	E0MH2	Water	Pentanedioic acid, dimethyl ester	*	2.400	J			
P2117-06	E0MH2	Water	Total Alkanes	*	7.900		1.9	5	ug/L
			Total Tics :			**38.10**			
			Total Concentration:			**38.10**			
Client ID :	**E0MH3**								
P2117-07	E0MH3	Water	Ethanol, 2-(2-butoxyethoxy)-	*	4.600	J			
P2117-07	E0MH3	Water	n-Hexadecanoic acid	*	5.500	J			
P2117-07	E0MH3	Water	Octadecanoic acid	*	2.800	J			
P2117-07	E0MH3	Water	Pentadecafluorooctanoic acid, oct	*	4.000	J			
P2117-07	E0MH3	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :			**16.90**			
			Total Concentration:			**16.90**			
Client ID :	**E07W9RX**								
P2145-01RX	E07W9RX	Solid	11H-Benzo[a]fluoren-11-one	*	120.000	J			
P2145-01RX	E07W9RX	Solid	9,10-Anthracenedione	*	80.000	J			
P2145-01RX	E07W9RX	Solid	9-Octadecenamide, (Z)-	*	180.000	J			
P2145-01RX	E07W9RX	Solid	n-Hexadecanoic acid	*	78.000	J			
P2145-01RX	E07W9RX	Solid	Total Alkanes	*	0.000		53	200	ug/Kg
			Total Tics :			**458.00**			
			Total Concentration:			**458.00**			
Client ID :	**E07Y0**								
P2145-06	E07Y0	Solid	(DEL) Alkane: Cyclic17.422	*	110.000	J			
P2145-06	E07Y0	Solid	(DEL) Alkane: Straight-Chain20.9	*	130.000	J			
P2145-06	E07Y0	Solid	Isopropyl palmitate	*	180.000	J			

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Hit Summary Sheet
SW-846

SDG No.: BN041924

Client:

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
P2145-06	E07Y0	Solid	n-Hexadecanoic acid	*	150.000	J			
P2145-06	E07Y0	Solid	Total Alkanes	*	240.000		54	200	ug/Kg
			Total Tics :		**810.00**				
P2145-06	E07Y0	Solid	Bis(2-ethylhexyl)phthalate		860.000		50	200	ug/Kg
			Total Svoc :		**860.00**				
			Total Concentration:		**1,670.00**				
Client ID :	**C0RB6**								
P2159-01	C0RB6	Water	Behenic alcohol	*	2.900	J			
P2159-01	C0RB6	Water	Benzene, chloro-	*	2.900	J			
P2159-01	C0RB6	Water	n-Hexadecanoic acid	*	2.900	J			
P2159-01	C0RB6	Water	Supraene	*	2.000	J			
P2159-01	C0RB6	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**10.70**				
			Total Concentration:		**10.70**				
Client ID :	**C0RC1**								
P2159-02	C0RC1	Water	(DEL) Alkane: Straight-Chain18.2	*	2.100	J			
P2159-02	C0RC1	Water	Total Alkanes	*	2.100		1.9	5	ug/L
			Total Tics :		**4.20**				
			Total Concentration:		**4.20**				
Client ID :	**C0RC4**								
P2159-03	C0RC4	Water	Cyclohexene, 1-chloro-	*	4.700	J			
P2159-03	C0RC4	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**4.70**				
			Total Concentration:		**4.70**				
Client ID :	**MC0R80**								
P2159-04	MC0R80	Water	1-Hexanol, 2-ethyl-	*	4.200	J			
P2159-04	MC0R80	Water	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	5.600	J			
P2159-04	MC0R80	Water	Phenol, 2-methoxy-	*	8.900	J			
P2159-04	MC0R80	Water	Vanillin	*	6.000	J			
P2159-04	MC0R80	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**24.70**				
P2159-04	MC0R80	Water	4-Chloro-3-methylphenol		1.500	J	1.4	5	ug/L
			Total Svoc :		**1.50**				
			Total Concentration:		**26.20**				
Client ID :	**C0RD8**								
P2159-05	C0RD8	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**0.00**				
			Total Concentration:		**0.00**				

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Hit Summary Sheet
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SDG No.: BN041924

Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : C0RE3									
P2159-06	C0RE3	Water	Diethyltoluamide	*	2.300	J			
P2159-06	C0RE3	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :				**2.30**		
			Total Concentration:				**2.30**		
Client ID : C0RJ6									
P2159-07	C0RJ6	Water	unknown-01	*	2.900	J			
P2159-07	C0RJ6	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :				**2.90**		
			Total Concentration:				**2.90**		
Client ID : C0RJ7									
P2159-08	C0RJ7	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :				**0.00**		
			Total Concentration:				**0.00**		
Client ID : C0R92									
P2159-09	C0R92	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :				**0.00**		
			Total Concentration:				**0.00**		
Client ID : C0RA5									
P2159-10	C0RA5	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :				**0.00**		
			Total Concentration:				**0.00**		
Client ID : C0RC0									
P2159-11	C0RC0	Water	Benzene, 1,2,4-trichloro-	*	7.500	J			
P2159-11	C0RC0	Water	Benzene, 1,4-dichloro-	*	8.700	J			
P2159-11	C0RC0	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :				**16.20**		
			Total Concentration:				**16.20**		
Client ID : C0RD3									
P2159-12	C0RD3	Water	4-Chloro-2-nitrophenol	*	3.000	J			
P2159-12	C0RD3	Water	Benzene, 1,2,3-trichloro-	*	190.000	J			
P2159-12	C0RD3	Water	Benzene, 1,2,4-trichloro-	*	430.000	J			
P2159-12	C0RD3	Water	Benzene, 1,2-dichloro-	*	4.800	J			
P2159-12	C0RD3	Water	Benzene, 1,4-dichloro-	*	25.000	J			
P2159-12	C0RD3	Water	Benzene, 1-bromo-4-chloro-	*	2.600	J			
P2159-12	C0RD3	Water	Benzene, 1-chloro-2-nitro-	*	9.500	J			
P2159-12	C0RD3	Water	Benzene, 1-chloro-3-nitro-	*	36.000	J			
P2159-12	C0RD3	Water	Benzene, chloro-	*	16.000	J			

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Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2159-12	C0RD3	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**716.90**				
P2159-12	C0RD3	Water	1,2,3,4-Tetrachlorobenzene		46.000		0.75	5	ug/L
P2159-12	C0RD3	Water	1,2,4,5-Tetrachlorobenzene		20.000		1.8	5	ug/L
P2159-12	C0RD3	Water	2-Nitrophenol		2.400	J	1.4	5	ug/L
P2159-12	C0RD3	Water	Nitrobenzene		120.000	E	1.3	5	ug/L
P2159-12	C0RD3	Water	Pentachlorobenzene		1.600	J	1.3	5	ug/L
			Total Svoc :		**190.00**				
			Total Concentration:		**906.90**				
Client ID :	**C0R91**								
P2159-13	C0R91	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**0.00**				
			Total Concentration:		**0.00**				
Client ID :	**C0RB0**								
P2159-14	C0RB0	Water	Cis-4-methyl-exo-tricyclo[5.2.1.0(	*	4.800	J			
P2159-14	C0RB0	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**4.80**				
			Total Concentration:		**4.80**				
Client ID :	**C0RD0**								
P2159-15	C0RD0	Water	Benzene, 1,2,3-trichloro-	*	22.000	J			
P2159-15	C0RD0	Water	Benzene, 1,2,4-trichloro-	*	230.000	J			
P2159-15	C0RD0	Water	Benzene, 1,3-dichloro-	*	16.000	J			
P2159-15	C0RD0	Water	Benzene, 1,4-dichloro-	*	20.000	J			
P2159-15	C0RD0	Water	Benzene, 1-chloro-2-nitro-	*	8.300	J			
P2159-15	C0RD0	Water	Benzene, 1-chloro-3-nitro-	*	25.000	J			
P2159-15	C0RD0	Water	Benzene, chloro-	*	29.000	J			
P2159-15	C0RD0	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**350.30**				
P2159-15	C0RD0	Water	1,2,3,4-Tetrachlorobenzene		14.000		0.76	5.1	ug/L
P2159-15	C0RD0	Water	1,2,4,5-Tetrachlorobenzene		15.000		1.8	5.1	ug/L
P2159-15	C0RD0	Water	Nitrobenzene		250.000	E	1.3	5.1	ug/L
			Total Svoc :		**279.00**				
			Total Concentration:		**629.30**				
Client ID :	**C0RE1**								
P2159-16	C0RE1	Water	Benzene, 1,2,4-trichloro-	*	1,500.000	J			
P2159-16	C0RE1	Water	Benzene, 1,2-dichloro-	*	34.000	J			
P2159-16	C0RE1	Water	Benzene, 1,2-dichloro-3-methyl-	*	4.100	J			
P2159-16	C0RE1	Water	Benzene, 1,3,5-trichloro-	*	470.000	J			
P2159-16	C0RE1	Water	Benzene, 1,3-dichloro-	*	11.000	J			

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Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2159-16	C0RE1	Water	Benzene, 1,4-dichloro-	*	20.000	J			
P2159-16	C0RE1	Water	Benzene, 1,4-dichloro-2-methyl-	*	3.900	J			
P2159-16	C0RE1	Water	Benzene, 1-bromo-2-chloro-	*	50.000	J			
P2159-16	C0RE1	Water	Benzene, 1-bromo-4-chloro-	*	23.000	J			
P2159-16	C0RE1	Water	Benzene, 4-bromo-1,2-dichloro-	*	2.400	J			
P2159-16	C0RE1	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**2,118.40**				
P2159-16	C0RE1	Water	1,2,3,4-Tetrachlorobenzene		110.000	E	0.77	5.1	ug/L
P2159-16	C0RE1	Water	1,2,4,5-Tetrachlorobenzene		42.000		1.8	5.1	ug/L
P2159-16	C0RE1	Water	2-Chlorophenol		6.500		1.1	5.1	ug/L
P2159-16	C0RE1	Water	2-Methylnaphthalene		1.700	J	1.5	5.1	ug/L
P2159-16	C0RE1	Water	Naphthalene		9.800		1.5	5.1	ug/L
P2159-16	C0RE1	Water	Pentachlorobenzene		2.900	J	1.3	5.1	ug/L
			Total Svoc :		**172.90**				
			Total Concentration:		**2,291.30**				
Client ID :	**C0RB1**								
P2159-17	C0RB1	Water	Benzene, chloro-	*	2.100	J			
P2159-17	C0RB1	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**2.10**				
			Total Concentration:		**2.10**				
Client ID :	**C0RD5**								
P2159-18	C0RD5	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**0.00**				
			Total Concentration:		**0.00**				
Client ID :	**C0RE0**								
P2159-19	C0RE0	Water	4-Chloro-2-nitrophenol	*	4.300	J			
P2159-19	C0RE0	Water	Benzene, 1,2,4-trichloro-	*	490.000	J			
P2159-19	C0RE0	Water	Benzene, 1,3,5-trichloro-	*	190.000	J			
P2159-19	C0RE0	Water	Benzene, 1,3-dichloro-	*	19.000	J			
P2159-19	C0RE0	Water	Benzene, 1,4-dichloro-	*	4.000	J			
P2159-19	C0RE0	Water	Benzene, 1-bromo-2-chloro-	*	4.300	J			
P2159-19	C0RE0	Water	Benzene, 1-bromo-3-chloro-	*	6.700	J			
P2159-19	C0RE0	Water	Benzene, 1-chloro-3-nitro-	*	4.800	J			
P2159-19	C0RE0	Water	Benzene, 2,4-dichloro-1-methyl-	*	2.100	J			
P2159-19	C0RE0	Water	Benzene, chloro-	*	26.000	J			
P2159-19	C0RE0	Water	Phenol, 3,5-dichloro-	*	2.700	J			
P2159-19	C0RE0	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**753.90**				
P2159-19	C0RE0	Water	1,2,3,4-Tetrachlorobenzene		47.000		0.75	5	ug/L

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Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2159-19	C0RE0	Water	1,2,4,5-Tetrachlorobenzene		15.000		1.8	5	ug/L
P2159-19	C0RE0	Water	Nitrobenzene		23.000		1.3	5	ug/L
P2159-19	C0RE0	Water	Pentachlorobenzene		1.700	J	1.3	5	ug/L
			Total Svoc :		**86.70**				
			Total Concentration:		**840.60**				
Client ID :	**C0RE2**								
P2159-20	C0RE2	Water	4-Chloro-2-nitrophenol	*	2.600	J			
P2159-20	C0RE2	Water	Benzene, 1,2,4-trichloro-	*	390.000	J			
P2159-20	C0RE2	Water	Benzene, 1,3,5-trichloro-	*	150.000	J			
P2159-20	C0RE2	Water	Benzene, 1,3-dichloro-	*	2.800	J			
P2159-20	C0RE2	Water	Benzene, 1,4-dichloro-	*	17.000	J			
P2159-20	C0RE2	Water	Benzene, 1-bromo-2-chloro-	*	4.600	J			
P2159-20	C0RE2	Water	Benzene, 1-bromo-4-chloro-	*	2.800	J			
P2159-20	C0RE2	Water	Benzene, 1-chloro-3-nitro-	*	6.000	J			
P2159-20	C0RE2	Water	Benzene, chloro-	*	23.000	J			
P2159-20	C0RE2	Water	Phenol, 3,5-dichloro-	*	2.200	J			
P2159-20	C0RE2	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**601.00**				
P2159-20	C0RE2	Water	1,2,3,4-Tetrachlorobenzene		47.000		0.77	5.1	ug/L
P2159-20	C0RE2	Water	1,2,4,5-Tetrachlorobenzene		20.000		1.8	5.1	ug/L
P2159-20	C0RE2	Water	Nitrobenzene		38.000		1.3	5.1	ug/L
P2159-20	C0RE2	Water	Pentachlorobenzene		1.600	J	1.3	5.1	ug/L
			Total Svoc :		**106.60**				
			Total Concentration:		**707.60**				
Client ID :	**C0RC3**								
P2161-01	C0RC3	Water	Benzene, 1,2,3-trichloro-	*	3.300	J			
P2161-01	C0RC3	Water	Benzene, 1,2,4-trichloro-	*	7.200	J			
P2161-01	C0RC3	Water	Benzene, 1,2-dichloro-	*	2.100	J			
P2161-01	C0RC3	Water	Benzene, 1,4-dichloro-	*	8.100	J			
P2161-01	C0RC3	Water	Benzene, chloro-	*	3.600	J			
P2161-01	C0RC3	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**24.30**				
			Total Concentration:		**24.30**				
Client ID :	**C0RD2**								
P2161-02	C0RD2	Water	Benzene, 1,2,3-trichloro-	*	2.700	J			
P2161-02	C0RD2	Water	Benzene, 1,2,4-trichloro-	*	8.900	J			
P2161-02	C0RD2	Water	Benzene, 1,2-dichloro-	*	19.000	J			
P2161-02	C0RD2	Water	Benzene, 1,3-dichloro-	*	2.800	J			
P2161-02	C0RD2	Water	Benzene, chloro-	*	37.000	J			

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Hit Summary Sheet
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Client:

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
P2161-02	C0RD2	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**70.40**				
P2161-02	C0RD2	Water	1,2,3,4-Tetrachlorobenzene		1.300	J	0.75	5	ug/L
			Total Svoc :		**1.30**				
			Total Concentration:		**71.70**				
Client ID :	**C0RD4**								
P2161-03	C0RD4	Water	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	2.200	J			
P2161-03	C0RD4	Water	9-Octadecenoic acid, (E)-	*	4.500	J			
P2161-03	C0RD4	Water	Benzene, 1,2-dichloro-	*	3.800	J			
P2161-03	C0RD4	Water	Benzene, 1,3,5-trichloro-	*	5.000	J			
P2161-03	C0RD4	Water	Benzene, 1,4-dichloro-	*	5.400	J			
P2161-03	C0RD4	Water	Benzene, chloro-	*	41.000	J			
P2161-03	C0RD4	Water	Cholestan-3-ol, (3.alpha.,5.beta.)	*	4.000	J			
P2161-03	C0RD4	Water	Cholestan-3-one	*	6.800	J			
P2161-03	C0RD4	Water	n-Hexadecanoic acid	*	14.000	J			
P2161-03	C0RD4	Water	Octadecanoic acid	*	4.000	J			
P2161-03	C0RD4	Water	Total Alkanes	*	0.000		1.9	5.1	ug/L
			Total Tics :		**90.70**				
			Total Concentration:		**90.70**				
Client ID :	**C0RJ9**								
P2161-04	C0RJ9	Water	16-Hentriacontanone	*	4.900	J			
P2161-04	C0RJ9	Water	Benzene, 1,2,4-trichloro-	*	20.000	J			
P2161-04	C0RJ9	Water	Benzene, 1,3,5-trichloro-	*	6.000	J			
P2161-04	C0RJ9	Water	Benzene, 1,3-dichloro-	*	45.000	J			
P2161-04	C0RJ9	Water	Benzene, 1,4-dichloro-	*	6.600	J			
P2161-04	C0RJ9	Water	Benzene, chloro-	*	87.000	J			
P2161-04	C0RJ9	Water	Total Alkanes	*	0.000		1.9	5	ug/L
			Total Tics :		**169.50**				
P2161-04	C0RJ9	Water	1,2,3,4-Tetrachlorobenzene		2.800	J	0.75	5	ug/L
			Total Svoc :		**2.80**				
			Total Concentration:		**172.30**				
Client ID :	**SSTD020368**								
SSTDCCC020	SSTD020368	Water	Total Alkanes	*	0.000		1900	5000	ug/L
			Total Tics :		**0.00**				
SSTDCCC020	SSTD020368	Water	1,1-Biphenyl		22,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	1,2,3,4-Tetrachlorobenzene		20,000.000		750	5000	ug/L
SSTDCCC020	SSTD020368	Water	1,2,4,5-Tetrachlorobenzene		21,000.000		1800	5000	ug/L
SSTDCCC020	SSTD020368	Water	1,4-Dioxane		8,100.000		310	2000	ug/L
SSTDCCC020	SSTD020368	Water	1-Methylnaphthalene		22,000.000		970	5000	ug/L

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Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC020	SSTD020368	Water	2,2-oxybis(1-Chloropropane)	20,000.000		1400	10000	ug/L
SSTDCCC020	SSTD020368	Water	2,3,4,6-Tetrachlorophenol	24,000.000		1800	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,4,5-Trichlorophenol	23,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,4,6-Trichlorophenol	23,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,4-Dichlorophenol	22,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,4-Dimethylphenol	22,000.000		720	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,4-Dinitrophenol	24,000.000		1900	10000	ug/L
SSTDCCC020	SSTD020368	Water	2,4-Dinitrotoluene	24,000.000		970	5000	ug/L
SSTDCCC020	SSTD020368	Water	2,6-Dinitrotoluene	22,000.000		1300	5000	ug/L
SSTDCCC020	SSTD020368	Water	2-Chloronaphthalene	22,000.000		1800	5000	ug/L
SSTDCCC020	SSTD020368	Water	2-Chlorophenol	22,000.000		1100	5000	ug/L
SSTDCCC020	SSTD020368	Water	2-Methylnaphthalene	21,000.000		1500	5000	ug/L
SSTDCCC020	SSTD020368	Water	2-Methylphenol	22,000.000		1500	10000	ug/L
SSTDCCC020	SSTD020368	Water	2-Nitroaniline	23,000.000		1200	5000	ug/L
SSTDCCC020	SSTD020368	Water	2-Nitrophenol	24,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	3,3-Dichlorobenzidine	26,000.000		1400	10000	ug/L
SSTDCCC020	SSTD020368	Water	3-Nitroaniline	25,000.000		860	10000	ug/L
SSTDCCC020	SSTD020368	Water	4,6-Dinitro-2-methylphenol	23,000.000		1700	10000	ug/L
SSTDCCC020	SSTD020368	Water	4-Bromophenyl-phenylether	21,000.000		2700	5000	ug/L
SSTDCCC020	SSTD020368	Water	4-Chloro-3-methylphenol	23,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	4-Chloroaniline	22,000.000		1700	10000	ug/L
SSTDCCC020	SSTD020368	Water	4-Chlorophenyl-phenylether	22,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	4-Methylphenol	21,000.000		1600	10000	ug/L
SSTDCCC020	SSTD020368	Water	4-Nitroaniline	29,000.000		600	10000	ug/L
SSTDCCC020	SSTD020368	Water	4-Nitrophenol	24,000.000		1500	10000	ug/L
SSTDCCC020	SSTD020368	Water	Acenaphthene	22,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	Acenaphthylene	22,000.000		1800	5000	ug/L
SSTDCCC020	SSTD020368	Water	Acetophenone	22,000.000		2100	10000	ug/L
SSTDCCC020	SSTD020368	Water	Anthracene	22,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Atrazine	22,000.000		1200	10000	ug/L
SSTDCCC020	SSTD020368	Water	Benzaldehyde	28,000.000		1400	10000	ug/L
SSTDCCC020	SSTD020368	Water	Benzo(a)anthracene	22,000.000		1500	5000	ug/L
SSTDCCC020	SSTD020368	Water	Benzo(a)pyrene	21,000.000		2000	5000	ug/L
SSTDCCC020	SSTD020368	Water	Benzo(b)fluoranthene	21,000.000		1600	5000	ug/L
SSTDCCC020	SSTD020368	Water	Benzo(g,h,i)perylene	25,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	Benzo(k)fluoranthene	20,000.000		2200	5000	ug/L
SSTDCCC020	SSTD020368	Water	Bis(2-Chloroethoxy)methane	21,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	Bis(2-Chloroethyl)ether	21,000.000		1500	10000	ug/L
SSTDCCC020	SSTD020368	Water	Bis(2-ethylhexyl)phthalate	23,000.000		1500	5000	ug/L
SSTDCCC020	SSTD020368	Water	Butylbenzylphthalate	22,000.000		1500	5000	ug/L

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: BN041924

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDCCC020	SSTD020368	Water	Caprolactam	22,000.000		1300	10000	ug/L
SSTDCCC020	SSTD020368	Water	Carbazole	24,000.000		2000	10000	ug/L
SSTDCCC020	SSTD020368	Water	Chrysene	22,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Di-n-butylphthalate	24,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Di-n-octyl phthalate	20,000.000		1300	10000	ug/L
SSTDCCC020	SSTD020368	Water	Dibenzo(a,h)anthracene	24,000.000		2000	5000	ug/L
SSTDCCC020	SSTD020368	Water	Dibenzofuran	22,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Diethylphthalate	23,000.000		1500	5000	ug/L
SSTDCCC020	SSTD020368	Water	Dimethylphthalate	22,000.000		1600	5000	ug/L
SSTDCCC020	SSTD020368	Water	Fluoranthene	19,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Fluorene	23,000.000		2000	5000	ug/L
SSTDCCC020	SSTD020368	Water	Hexachlorobenzene	21,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	Hexachlorobutadiene	21,000.000		1100	5000	ug/L
SSTDCCC020	SSTD020368	Water	Hexachlorocyclopentadiene	20,000.000		1400	10000	ug/L
SSTDCCC020	SSTD020368	Water	Hexachloroethane	21,000.000		890	5000	ug/L
SSTDCCC020	SSTD020368	Water	Indeno(1,2,3-cd)pyrene	24,000.000		1900	5000	ug/L
SSTDCCC020	SSTD020368	Water	Isophorone	22,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	N-Nitroso-di-n-propylamine	22,000.000		1400	5000	ug/L
SSTDCCC020	SSTD020368	Water	N-Nitrosodiphenylamine	21,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Naphthalene	21,000.000		1500	5000	ug/L
SSTDCCC020	SSTD020368	Water	Nitrobenzene	22,000.000		1300	5000	ug/L
SSTDCCC020	SSTD020368	Water	Pentachlorobenzene	21,000.000		1300	5000	ug/L
SSTDCCC020	SSTD020368	Water	Pentachlorophenol	23,000.000		1700	10000	ug/L
SSTDCCC020	SSTD020368	Water	Phenanthrene	22,000.000		1800	5000	ug/L
SSTDCCC020	SSTD020368	Water	Phenol	21,000.000		1700	10000	ug/L
SSTDCCC020	SSTD020368	Water	Pyrene	19,000.000		1700	5000	ug/L
SSTDCCC020	SSTD020368	Water	Pyridine	20,000.000		850	10000	ug/L
			Total Svoc :	**1,587,100.00**				
			Total Concentration:	**1,587,100.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG No.: BN041924

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

Calibration Time(s): 17:44

LAB FILE ID: RRFAL1 = BN031045.D RRFAL2 = BN031046.D RRFAL3 = BN031047.D
RRFAL4 = BN031048.D RRFAL5 = BN031049.D RRFAL6 = BN031050.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.453	0.446	0.475	0.447	0.447		0.454	2.7
Benzaldehyde		0.864	1.015	0.921	0.768	0.574	0.828	20.3
Pyridine		1.111	1.253	1.288	1.310	1.259	1.244	6.3
Hexachloroethane	0.544	0.558	0.586	0.574	0.571		0.567	2.9
Nitrobenzene	0.310	0.322	0.361	0.355	0.348		0.339	6.6
Isophorone	0.641	0.668	0.729	0.721	0.702		0.692	5.4
2-Nitrophenol	0.139	0.149	0.176	0.181	0.182		0.165	11.8
2,4-Dimethylphenol	0.325	0.326	0.356	0.345	0.334		0.337	4.0
Bis(2-Chloroethoxy)methane	0.413	0.409	0.440	0.428	0.412		0.420	3.2
2,4-Dichlorophenol	0.275	0.280	0.308	0.306	0.302		0.294	5.3
Naphthalene	1.019	1.030	1.089	1.046	0.998		1.037	3.3
4-Chloroaniline		0.435	0.467	0.467	0.447	0.421	0.447	4.5
Hexachlorobutadiene	0.180	0.178	0.187	0.179	0.172		0.179	3.0
Phenol		1.605	1.748	1.809	1.798	1.738	1.739	4.7
Caprolactam		0.099	0.115	0.119	0.124	0.123	0.116	8.8
4-Chloro-3-methylphenol	0.314	0.327	0.354	0.358	0.352		0.341	5.7
1-Methylnaphthalene	0.735	0.736	0.772	0.746	0.708		0.740	3.1
2-Methylnaphthalene	0.729	0.721	0.759	0.742	0.704		0.731	2.9
Hexachlorocyclopentadiene		0.246	0.298	0.291	0.308	0.295	0.287	8.4
2,4,6-Trichlorophenol	0.309	0.327	0.379	0.363	0.363		0.348	8.3
2,4,5-Trichlorophenol	0.352	0.370	0.409	0.403	0.398		0.386	6.3
1,1-Biphenyl	1.370	1.379	1.475	1.350	1.303		1.376	4.6
2-Chloronaphthalene	1.095	1.082	1.181	1.090	1.048		1.099	4.5
2-Nitroaniline	0.249	0.273	0.331	0.326	0.338		0.303	13.1
Bis(2-Chloroethyl)ether		1.340	1.418	1.434	1.370	1.300	1.372	4.0
Dimethylphthalate	1.407	1.397	1.545	1.434	1.396		1.436	4.4
2,6-Dinitrotoluene	0.220	0.234	0.292	0.296	0.306		0.270	14.6
Acenaphthylene	1.798	1.829	1.998	1.838	1.749		1.842	5.1
3-Nitroaniline		0.262	0.334	0.340	0.318	0.293	0.309	10.4
Acenaphthene	1.221	1.189	1.318	1.222	1.157		1.221	4.9
2,4-Dinitrophenol		0.095	0.138	0.156	0.181	0.193	0.152	25.4
4-Nitrophenol		0.208	0.250	0.244	0.247	0.230	0.236	7.4
Dibenzofuran	1.680	1.668	1.825	1.675	1.595		1.689	5.0
2,4-Dinitrotoluene	0.333	0.365	0.444	0.453	0.453		0.410	13.8
Diethylphthalate	1.396	1.438	1.590	1.506	1.454		1.477	5.0
2-Chlorophenol	1.256	1.316	1.394	1.440	1.421		1.365	5.6

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.: BN041924 SAS No.: BN041924 SDG No.: BN041924

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

Calibration Time(s): 17:44

LAB FILE ID: RRFAL1 = BN031045.D RRFAL2 = BN031046.D RRFAL3 = BN031047.D
RRFAL4 = BN031048.D RRFAL5 = BN031049.D RRFAL6 = BN031050.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.417	1.418	1.520	1.384	1.208		1.390	8.2
4-Chlorophenyl-phenylether	0.681	0.680	0.717	0.647	0.585		0.662	7.5
4-Nitroaniline		0.309	0.384	0.357	0.337	0.280	0.334	12.1
4,6-Dinitro-2-methylphenol		0.086	0.107	0.116	0.117	0.116	0.108	12.1
N-Nitrosodiphenylamine	0.526	0.550	0.572	0.545	0.489		0.536	5.8
1,2,4,5-Tetrachlorobenzene	0.523	0.506	0.568	0.522	0.498		0.523	5.1
4-Bromophenyl-phenylether	0.183	0.190	0.196	0.198	0.179		0.189	4.4
Hexachlorobenzene	0.217	0.221	0.226	0.221	0.205		0.218	3.7
Atrazine		0.186	0.205	0.201	0.180	0.169	0.188	8.1
Pentachlorophenol		0.127	0.144	0.150	0.146	0.141	0.142	6.2
2-Methylphenol		1.228	1.385	1.396	1.383	1.347	1.348	5.1
Phenanthrene	1.074	1.093	1.118	1.061	0.943		1.058	6.4
Pentachlorobenzene	0.245	0.251	0.250	0.241	0.224		0.242	4.5
Anthracene	1.086	1.083	1.129	1.100	0.955		1.071	6.3
1,2,3,4-Tetrachlorobenzene	0.231	0.238	0.249	0.237	0.218		0.235	4.8
Carbazole		1.023	1.074	1.049	0.923	0.820	0.978	10.8
Di-n-butylphthalate	1.076	1.156	1.301	1.254	1.173		1.192	7.4
Fluoranthene	1.109	1.134	1.265	1.181	1.127		1.163	5.4
Pyrene	1.170	1.249	1.325	1.217	1.150		1.222	5.7
Butylbenzylphthalate	0.453	0.507	0.580	0.573	0.583		0.539	10.7
3,3-Dichlorobenzidine		0.423	0.471	0.430	0.409	0.351	0.417	10.4
2,2-oxybis(1-Chloropropane)		1.787	1.846	1.857	1.765	1.692	1.789	3.7
Benzo(a)anthracene	1.350	1.350	1.453	1.336	1.302		1.358	4.2
Chrysene	1.294	1.309	1.357	1.279	1.207		1.289	4.3
Bis(2-ethylhexyl)phthalate	0.747	0.795	0.889	0.837	0.780		0.810	6.8
Di-n-octyl phthalate		1.110	1.272	1.208	1.142	1.032	1.153	8.0
Benzo(b)fluoranthene	1.061	1.137	1.235	1.129	1.064		1.125	6.3
Benzo(k)fluoranthene	1.132	1.196	1.196	1.088	1.047		1.132	5.8
Benzo(a)pyrene	1.106	1.134	1.209	1.103	1.061		1.123	4.9
Indeno(1,2,3-cd)pyrene	1.293	1.386	1.499	1.407	1.380		1.393	5.3
Dibenzo(a,h)anthracene	1.059	1.136	1.240	1.163	1.120		1.143	5.8
Benzo(g,h,i)perylene	1.037	1.110	1.200	1.137	1.125		1.122	5.2
Acetophenone		2.192	2.298	2.317	2.174	2.011	2.198	5.6
2,3,4,6-Tetrachlorophenol	0.297	0.311	0.361	0.346	0.354		0.334	8.5
1,4-Dioxane-d8	0.447	0.421	0.435	0.420	0.417		0.428	2.9
Pyridine-d5		1.070	1.272	1.250	1.306	1.267	1.233	7.6

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.: BN041924 SAS No.: BN041924 SDG No.: BN041924

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

Calibration Time(s): 17:44

LAB FILE ID: RRFAL1 = BN031045.D RRFAL2 = BN031046.D RRFAL3 = BN031047.D
RRFAL4 = BN031048.D RRFAL5 = BN031049.D RRFAL6 = BN031050.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.495	1.684	1.756	1.763	1.738	1.687	6.6
Bis-(2-Chloroethyl)ether-d8		0.954	1.025	1.017	0.981	0.931	0.982	4.1
2-Chlorophenol-d4	1.194	1.251	1.355	1.406	1.362		1.314	6.7
4-Methylphenol-d8		1.292	1.431	1.503	1.445	1.422	1.419	5.5
Nitrobenzene-d5	0.129	0.135	0.151	0.151	0.152		0.144	7.5
2-Nitrophenol-d4	0.124	0.136	0.155	0.162	0.169		0.149	12.6
2,4-Dichlorophenol-d3	0.269	0.281	0.314	0.308	0.301		0.295	6.4
4-Chloroaniline-d4		0.449	0.477	0.474	0.465	0.437	0.460	3.7
4-Methylphenol		1.417	1.542	1.581	1.527	1.482	1.510	4.2
Dimethylphthalate-d6	1.330	1.354	1.501	1.411	1.363		1.392	4.9
Acenaphthylene-d8	1.510	1.535	1.683	1.614	1.544		1.577	4.5
4-Nitrophenol-d4		0.244	0.308	0.303	0.307	0.289	0.290	9.2
Fluorene-d10	1.186	1.190	1.302	1.213	1.167		1.212	4.4
4,6-Dinitro-2-methylphenol-		0.078	0.095	0.108	0.110	0.112	0.101	14.1
Anthracene-d10	0.844	0.865	0.927	0.889	0.809		0.867	5.2
Pyrene-d10	0.936	0.980	1.040	0.989	0.969		0.983	3.8
Benzo(a)pyrene-d12	0.901	0.950	1.021	0.946	0.925		0.948	4.7
N-Nitroso-di-n-propylamine	1.025	1.066	1.140	1.161	1.087		1.096	5.1

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020219 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BN031047.D Time Analyzed: 16:58

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	107649	7.64	500622	10.42	346406	14.28
	UPPER LIMIT	215298	8.14	1001244	10.916	692812	14.781
	LOWER LIMIT	53824.5	7.14	250311	9.916	173203	13.781
	EPA SAMPLE NO.						
01	SSTD020368	111656	7.63	518078	10.42	362273	14.29
02	SICV223	113785	7.63	538022	10.42	389553	14.28
03	SBLK366	112239	7.64	507667	10.42	358341	14.28
04	SLCS366	121579	7.64	575203	10.42	405686	14.29
05	SBLK347	125445	7.63	579364	10.42	403588	14.28
06	E07W9RX	82948	7.63	394996	10.42	277612	14.28
07	E07Y0	102899	7.63	474224	10.42	319773	14.28
08	SBLK348	83003	7.63	373768	10.42	254822	14.28
09	C0RB6	146575	7.63	646894	10.42	434987	14.28
10	C0RC1	150883	7.63	700779	10.42	492962	14.28
11	C0RC4	143345	7.63	641251	10.42	436458	14.28
12	MC0R80	111588	7.63	512742	10.42	351295	14.28
13	C0RD8	130731	7.63	596508	10.42	422506	14.28
14	C0RE3	112113	7.63	515880	10.42	364144	14.28
15	C0RJ7	149688	7.63	685506	10.42	470204	14.28
16	C0R92	115674	7.63	537883	10.42	369924	14.28
17	C0RA5	120556	7.63	546945	10.42	376916	14.28
18	C0RJ6	109727	7.63	506690	10.42	359053	14.28
19	C0RD3	99419	7.65	466637	10.42	326140	14.28
20	C0RC0	145953	7.63	651392	10.42	445196	14.28
21	E0MG8	129205	7.63	604381	10.42	419512	14.28
22	E0MG9	122504	7.63	564629	10.42	391993	14.28
23	E0MH1	148072	7.63	687901	10.42	472640	14.28

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020219 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031047.D Time Analyzed: 16:09

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	107649	7.64	500622	10.42	346406	14.28
	UPPER LIMIT	215298	8.14	1001244	10.916	692812	14.781
	LOWER LIMIT	53824.5	7.14	250311	9.916	173203	13.781
	EPA SAMPLE NO.						
24	E0MH2	170799	7.63	790364	10.42	547669	14.28
25	E0MH3	132457	7.63	621103	10.42	432813	14.28
26	YCST2	131037	7.63	611913	10.42	434871	14.28
27	YCSS4	139228	7.63	649158	10.42	462810	14.28
28	YCSS5	169052	7.63	762971	10.42	537360	14.28
29	YCST3	157680	7.63	724747	10.42	515305	14.28
30	SLCS332	132684	7.63	621828	10.42	433362	14.28
31	SBLK292	136788	7.63	643354	10.42	456413	14.28
32	SBLK290	110568	7.63	511397	10.42	369973	14.28
33	C0AL9	148261	7.63	679527	10.42	466499	14.28
34	C0AG0	181701	7.63	833464	10.42	578702	14.28
35	C0AG1	155619	7.63	705256	10.42	488352	14.28
36	C0AG2	154534	7.63	706714	10.42	490519	14.28
37	C0AL3	145022	7.63	673488	10.41	462616	14.28
38	C0AL4	130078	7.63	602114	10.41	426745	14.28
39	C0R91	127494	7.63	585146	10.41	404103	14.28
40	C0RB0	111138	7.63	517274	10.41	357938	14.28
41	C0RD0	113737	7.65	540878	10.42	372353	14.28
42	C0RE1	123294	7.66	746356	10.45	499353	14.28
43	SLCS292	130073	7.63	614723	10.42	428774	14.28
44	SLCS290	122760	7.63	570690	10.41	399124	14.28
45	SBLK363	120473	7.63	560416	10.41	391372	14.28
46	SBLK364	162938	7.63	762728	10.41	530903	14.28

CHEMTECH
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020219 Date Analyzed: Apr 21 2024 12:00AM

Lab File ID: BN031047.D Time Analyzed: 09:53

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	107649	7.64	500622	10.42	346406	14.28
	UPPER LIMIT	215298	8.14	1001244	10.916	692812	14.781
	LOWER LIMIT	53824.5	7.14	250311	9.916	173203	13.781
	EPA SAMPLE NO.						
47	C0RB1	145488	7.63	652931	10.41	446896	14.28
48	C0RD5	199237	7.63	917991	10.41	624308	14.28
49	C0RE0	124683	7.63	580752	10.42	401037	14.28
50	C0RE2	172843	7.64	785842	10.42	544389	14.28
51	C0RC3	124080	7.63	551629	10.41	378363	14.28
52	C0RD2	117833	7.63	531375	10.41	356971	14.28
53	C0RD4	136082	7.63	613501	10.41	410784	14.28
54	C0RJ9	123838	7.63	553128	10.41	371709	14.28
55	SLCS363	139221	7.63	629762	10.41	425267	14.28
56	SLCS364	132304	7.63	614992	10.41	418034	14.28
57	SLCS347	126007	7.63	573410	10.41	399632	14.28
58	SLCS348	180658	7.63	825266	10.41	560277	14.28

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020368 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031054.D Time Analyzed: 01:40

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	108835	7.634	516305	10.42	360185	14.28
	UPPER LIMIT	217670	8.134	1032610	10.916	720370	14.78
	LOWER LIMIT	54417.5	7.134	258152.5	9.916	180092.5	13.78
	EPA SAMPLE NO.						
01	SBLK347	125445	7.63	579364	10.42	403588	14.28
02	E07W9RX	82948	7.63	394996	10.42	277612	14.28
03	E07Y0	102899	7.63	474224	10.42	319773	14.28
04	SBLK348	83003	7.63	373768	10.42	254822	14.28
05	C0RB6	146575	7.63	646894	10.42	434987	14.28
06	C0RC1	150883	7.63	700779	10.42	492962	14.28
07	C0RC4	143345	7.63	641251	10.42	436458	14.28
08	MC0R80	111588	7.63	512742	10.42	351295	14.28
09	C0RD8	130731	7.63	596508	10.42	422506	14.28
10	C0RE3	112113	7.63	515880	10.42	364144	14.28
11	C0RJ7	149688	7.63	685506	10.42	470204	14.28
12	C0R92	115674	7.63	537883	10.42	369924	14.28
13	C0RA5	120556	7.63	546945	10.42	376916	14.28

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.
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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020369 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031068.D Time Analyzed: 12:11

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	118345	7.634	562802	10.42	392004	14.28
	UPPER LIMIT	236690	8.134	1125604	10.916	784008	14.781
	LOWER LIMIT	59172.5	7.134	281401	9.916	196002	13.781
	EPA SAMPLE NO.						
01	C0RJ6	109727	7.63	506690	10.42	359053	14.28
02	C0RD3	99419	7.65	466637	10.42	326140	14.28
03	C0RC0	145953	7.63	651392	10.42	445196	14.28
04	E0MG8	129205	7.63	604381	10.42	419512	14.28
05	E0MG9	122504	7.63	564629	10.42	391993	14.28
06	E0MH1	148072	7.63	687901	10.42	472640	14.28
07	E0MH2	170799	7.63	790364	10.42	547669	14.28
08	E0MH3	132457	7.63	621103	10.42	432813	14.28
09	YCST2	131037	7.63	611913	10.42	434871	14.28
10	YCSS4	139228	7.63	649158	10.42	462810	14.28
11	YCSS5	169052	7.63	762971	10.42	537360	14.28
12	YCST3	157680	7.63	724747	10.42	515305	14.28
13	SLCS332	132684	7.63	621828	10.42	433362	14.28

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

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* 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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020370 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031083.D Time Analyzed: 22:04

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	128702	7.634	600154	10.42	417256	14.28
	UPPER LIMIT	257404	8.134	1200308	10.916	834512	14.781
	LOWER LIMIT	64351	7.134	300077	9.916	208628	13.781
	EPA SAMPLE NO.						
01	SBLK292	136788	7.63	643354	10.42	456413	14.28
02	SBLK290	110568	7.63	511397	10.42	369973	14.28
03	C0AL9	148261	7.63	679527	10.42	466499	14.28
04	C0AG0	181701	7.63	833464	10.42	578702	14.28
05	C0AG1	155619	7.63	705256	10.42	488352	14.28
06	C0AG2	154534	7.63	706714	10.42	490519	14.28
07	C0AL3	145022	7.63	673488	10.41	462616	14.28
08	C0AL4	130078	7.63	602114	10.41	426745	14.28
09	C0R91	127494	7.63	585146	10.41	404103	14.28
10	C0RB0	111138	7.63	517274	10.41	357938	14.28
11	C0RD0	113737	7.65	540878	10.42	372353	14.28
12	C0RE1	123294	7.66	746356	10.45	499353	14.28
13	SLCS292	130073	7.63	614723	10.42	428774	14.28
14	SLCS290	122760	7.63	570690	10.41	399124	14.28

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020371 Date Analyzed: Apr 21 2024 12:00AM

Lab File ID: BN031098.D Time Analyzed: 08:35

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	121553	7.634	552378	10.41	384718	14.28
	UPPER LIMIT	243106	8.134	1104756	10.91	769436	14.781
	LOWER LIMIT	60776.5	7.134	276189	9.91	192359	13.781
	EPA SAMPLE NO.						
01	SBLK363	120473	7.63	560416	10.41	391372	14.28
02	SBLK364	162938	7.63	762728	10.41	530903	14.28
03	C0RB1	145488	7.63	652931	10.41	446896	14.28
04	C0RD5	199237	7.63	917991	10.41	624308	14.28
05	C0RE0	124683	7.63	580752	10.42	401037	14.28
06	C0RE2	172843	7.64	785842	10.42	544389	14.28
07	C0RC3	124080	7.63	551629	10.41	378363	14.28
08	C0RD2	117833	7.63	531375	10.41	356971	14.28
09	C0RD4	136082	7.63	613501	10.41	410784	14.28
10	C0RJ9	123838	7.63	553128	10.41	371709	14.28
11	SLCS363	139221	7.63	629762	10.41	425267	14.28
12	SLCS364	132304	7.63	614992	10.41	418034	14.28
13	SLCS347	126007	7.63	573410	10.41	399632	14.28
14	SLCS348	180658	7.63	825266	10.41	560277	14.28

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020368 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031054.D Time Analyzed: 01:40

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	806784	17.033	920968	21.268	1.22196e+0(	24.168
	UPPER LIMIT	1613568	17.533	1841936	21.768	2443920	24.668
	LOWER LIMIT	403392	16.533	460484	20.768	610980	23.668
	EPA SAMPLE NO.						
01	SBLK347	919710	17.03	1.09218e+	21.26	1.48939e+	24.17
02	E07W9RX	649926	17.03	775262	21.26	1.04169e+	24.17
03	E07Y0	760737	17.03	876541	21.26	1.17055e+	24.17
04	SBLK348	595505	17.03	760262	21.26	1.00568e+	24.17
05	C0RB6	1.00121	17.03	1.22186e+	21.27	1.53944e+	24.17
06	C0RC1	1.10251	17.03	1.26237e+	21.26	1.56134e+	24.17
07	C0RC4	991718	17.03	1.16756e+	21.26	1.46883e+	24.17
08	MC0R80	806442	17.03	986848	21.26	1.33257e+	24.17
09	C0RD8	942804	17.03	1.12366e+	21.26	1.4555e+0	24.17
10	C0RE3	824956	17.03	969471	21.26	1.23321e+	24.17
11	C0RJ7	1.0929e	17.03	1.24394e+	21.26	1.5717e+0	24.17
12	C0R92	873508	17.03	1.00428e+	21.26	1.32821e+	24.17
13	C0RA5	861768	17.03	1.07509e+	21.26	1.43555e+	24.17

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020369 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031068.D Time Analyzed: 12:11

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	888307	17.033	1.01565e+	21.269	1.29567e+0(	24.168
	UPPER LIMIT	1776614	17.533	2031300	21.769	2591340	24.668
	LOWER LIMIT	444153.5	16.533	507825	20.769	647835	23.668
	EPA SAMPLE NO.						
01	C0RJ6	828332	17.03	950255	21.26	1.27559e+	24.16
02	C0RD3	759225	17.03	910785	21.26	1.16929e+	24.17
03	C0RC0	1.02184	17.03	1.17193e+	21.26	1.51571e+	24.17
04	E0MG8	973805	17.03	1.13504e+	21.27	1.38407e+	24.16
05	E0MG9	904391	17.03	1.07499e+	21.26	1.44667e+	24.17
06	E0MH1	1.09912	17.03	1.29646e+	21.27	1.62381e+	24.17
07	E0MH2	1.24014	17.03	1.38996e+	21.26	1.69701e+	24.17
08	E0MH3	987995	17.03	1.14507e+	21.27	1.40793e+	24.17
09	YCST2	978260	17.03	1.12869e+	21.26	1.5078e+0	24.17
10	YCSS4	1.04678	17.03	1.14414e+	21.27	1.30336e+	24.17
11	YCSS5	1.24735	17.03	1.39499e+	21.27	1.7599e+0	24.17
12	YCST3	1.19231	17.03	1.39207e+	21.26	1.72386e+	24.17
13	SLCS332	985052	17.03	1.06335e+	21.27	1.30801e+	24.17

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020370 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031083.D Time Analyzed: 22:04

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	945890	17.034	1.03709e+	21.269	1.36031e+0(	24.169
	UPPER LIMIT	1891780	17.534	2074180	21.769	2720620	24.669
	LOWER LIMIT	472945	16.534	518545	20.769	680155	23.669
	EPA SAMPLE NO.						
01	SBLK292	1.01457	17.03	1.18253e+	21.26	1.46037e+	24.17
02	SBLK290	838679	17.03	956868	21.26	1.21326e+	24.17
03	C0AL9	1.07908	17.03	1.2645e+0	21.26	1.57346e+	24.17
04	C0AG0	1.27575	17.03	1.43728e+	21.26	1.69884e+	24.17
05	C0AG1	1.08977	17.03	1.2285e+0	21.26	1.5642e+0	24.17
06	C0AG2	1.12855	17.03	1.29489e+	21.26	1.63285e+	24.17
07	C0AL3	1.05964	17.03	1.21337e+	21.26	1.53032e+	24.17
08	C0AL4	966847	17.03	1.1483e+0	21.26	1.46645e+	24.16
09	C0R91	921826	17.03	1.08758e+	21.26	1.35788e+	24.17
10	C0RB0	823823	17.03	1.00286e+	21.26	1.27918e+	24.16
11	C0RD0	876774	17.03	1.09679e+	21.26	1.36846e+	24.17
12	C0RE1	1.1505e	17.03	1.38033e+	21.26	1.69665e+	24.17
13	SLCS292	970794	17.03	1.1003e+0	21.27	1.45126e+	24.17
14	SLCS290	914311	17.03	1.06737e+	21.27	1.35294e+	24.16

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020371 Date Analyzed: Apr 21 2024 12:00AM

Lab File ID: BN031098.D Time Analyzed: 08:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	872524	17.028	1.05343e+	21.263	1.33319e+0(	24.163
	UPPER LIMIT	1745048	17.528	2106860	21.763	2666380	24.663
	LOWER LIMIT	436262	16.528	526715	20.763	666595	23.663
	EPA SAMPLE NO.						
01	SBLK363	904653	17.03	1.03388e+	21.26	1.25538e+	24.17
02	SBLK364	1.2086e	17.03	1.39347e+	21.26	1.71455e+	24.17
03	C0RB1	1.01794	17.03	1.18031e+	21.26	1.4914e+0	24.16
04	C0RD5	1.36612	17.03	1.58128e+	21.26	1.8777e+0	24.17
05	C0RE0	925090	17.03	1.08343e+	21.26	1.30973e+	24.16
06	C0RE2	1.24776	17.03	1.49031e+	21.26	1.81672e+	24.17
07	C0RC3	854006	17.03	1.05943e+	21.26	1.44489e+	24.17
08	C0RD2	820985	17.03	1.01262e+	21.26	1.30198e+	24.17
09	C0RD4	938633	17.03	1.12292e+	21.26	1.38748e+	24.16
10	C0RJ9	853213	17.03	1.03107e+	21.26	1.31077e+	24.16
11	SLCS363	955981	17.03	1.06869e+	21.27	1.29772e+	24.17
12	SLCS364	907286	17.03	1.01838e+	21.27	1.22768e+	24.17
13	SLCS347	877820	17.03	978106	21.27	1.2202e+0	24.16
14	SLCS348	1.23969	17.03	1.31584e+	21.27	1.64357e+	24.17

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.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020368 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031054.D Time Analyzed: 01:40

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	806784	17.033	920968	21.268	1.22196e+0(	24.168
	UPPER LIMIT	1613568	17.533	1841936	21.768	2443920	24.668
	LOWER LIMIT	403392	16.533	460484	20.768	610980	23.668
	EPA SAMPLE NO.						
01	SBLK347	919710	17.03	1.09218e+	21.26	1.48939e+	24.17
02	E07W9RX	649926	17.03	775262	21.26	1.04169e+	24.17
03	E07Y0	760737	17.03	876541	21.26	1.17055e+	24.17
04	SBLK348	595505	17.03	760262	21.26	1.00568e+	24.17
05	C0RB6	1.00121	17.03	1.22186e+	21.27	1.53944e+	24.17
06	C0RC1	1.10251	17.03	1.26237e+	21.26	1.56134e+	24.17
07	C0RC4	991718	17.03	1.16756e+	21.26	1.46883e+	24.17
08	MC0R80	806442	17.03	986848	21.26	1.33257e+	24.17
09	C0RD8	942804	17.03	1.12366e+	21.26	1.4555e+0	24.17
10	C0RE3	824956	17.03	969471	21.26	1.23321e+	24.17
11	C0RJ7	1.0929e	17.03	1.24394e+	21.26	1.5717e+0	24.17
12	C0R92	873508	17.03	1.00428e+	21.26	1.32821e+	24.17
13	C0RA5	861768	17.03	1.07509e+	21.26	1.43555e+	24.17

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.
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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020369 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031068.D Time Analyzed: 12:11

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	888307	17.033	1.01565e+	21.269	1.29567e+0(	24.168
	UPPER LIMIT	1776614	17.533	2031300	21.769	2591340	24.668
	LOWER LIMIT	444153.5	16.533	507825	20.769	647835	23.668
	EPA SAMPLE NO.						
01	C0RJ6	828332	17.03	950255	21.26	1.27559e+	24.16
02	C0RD3	759225	17.03	910785	21.26	1.16929e+	24.17
03	C0RC0	1.02184	17.03	1.17193e+	21.26	1.51571e+	24.17
04	E0MG8	973805	17.03	1.13504e+	21.27	1.38407e+	24.16
05	E0MG9	904391	17.03	1.07499e+	21.26	1.44667e+	24.17
06	E0MH1	1.09912	17.03	1.29646e+	21.27	1.62381e+	24.17
07	E0MH2	1.24014	17.03	1.38996e+	21.26	1.69701e+	24.17
08	E0MH3	987995	17.03	1.14507e+	21.27	1.40793e+	24.17
09	YCST2	978260	17.03	1.12869e+	21.26	1.5078e+0	24.17
10	YCSS4	1.04678	17.03	1.14414e+	21.27	1.30336e+	24.17
11	YCSS5	1.24735	17.03	1.39499e+	21.27	1.7599e+0	24.17
12	YCST3	1.19231	17.03	1.39207e+	21.26	1.72386e+	24.17
13	SLCS332	985052	17.03	1.06335e+	21.27	1.30801e+	24.17

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020370 Date Analyzed: Apr 20 2024 12:00AM

Lab File ID: BN031083.D Time Analyzed: 22:04

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	945890	17.034	1.03709e+	21.269	1.36031e+0(	24.169
	UPPER LIMIT	1891780	17.534	2074180	21.769	2720620	24.669
	LOWER LIMIT	472945	16.534	518545	20.769	680155	23.669
	EPA SAMPLE NO.						
01	SBLK292	1.01457	17.03	1.18253e+	21.26	1.46037e+	24.17
02	SBLK290	838679	17.03	956868	21.26	1.21326e+	24.17
03	C0AL9	1.07908	17.03	1.2645e+0	21.26	1.57346e+	24.17
04	C0AG0	1.27575	17.03	1.43728e+	21.26	1.69884e+	24.17
05	C0AG1	1.08977	17.03	1.2285e+0	21.26	1.5642e+0	24.17
06	C0AG2	1.12855	17.03	1.29489e+	21.26	1.63285e+	24.17
07	C0AL3	1.05964	17.03	1.21337e+	21.26	1.53032e+	24.17
08	C0AL4	966847	17.03	1.1483e+0	21.26	1.46645e+	24.16
09	C0R91	921826	17.03	1.08758e+	21.26	1.35788e+	24.17
10	C0RB0	823823	17.03	1.00286e+	21.26	1.27918e+	24.16
11	C0RD0	876774	17.03	1.09679e+	21.26	1.36846e+	24.17
12	C0RE1	1.1505e	17.03	1.38033e+	21.26	1.69665e+	24.17
13	SLCS292	970794	17.03	1.1003e+0	21.27	1.45126e+	24.17
14	SLCS290	914311	17.03	1.06737e+	21.27	1.35294e+	24.16

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

EPA Sample No.: SSTD020371 Date Analyzed: Apr 21 2024 12:00AM

Lab File ID: BN031098.D Time Analyzed: 08:35

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	872524	17.028	1.05343e+	21.263	1.33319e+0(	24.163
	UPPER LIMIT	1745048	17.528	2106860	21.763	2666380	24.663
	LOWER LIMIT	436262	16.528	526715	20.763	666595	23.663
	EPA SAMPLE NO.						
01	SBLK363	904653	17.03	1.03388e+	21.26	1.25538e+	24.17
02	SBLK364	1.2086e	17.03	1.39347e+	21.26	1.71455e+	24.17
03	C0RB1	1.01794	17.03	1.18031e+	21.26	1.4914e+0	24.16
04	C0RD5	1.36612	17.03	1.58128e+	21.26	1.8777e+0	24.17
05	C0RE0	925090	17.03	1.08343e+	21.26	1.30973e+	24.16
06	C0RE2	1.24776	17.03	1.49031e+	21.26	1.81672e+	24.17
07	C0RC3	854006	17.03	1.05943e+	21.26	1.44489e+	24.17
08	C0RD2	820985	17.03	1.01262e+	21.26	1.30198e+	24.17
09	C0RD4	938633	17.03	1.12292e+	21.26	1.38748e+	24.16
10	C0RJ9	853213	17.03	1.03107e+	21.26	1.31077e+	24.16
11	SLCS363	955981	17.03	1.06869e+	21.27	1.29772e+	24.17
12	SLCS364	907286	17.03	1.01838e+	21.27	1.22768e+	24.17
13	SLCS347	877820	17.03	978106	21.27	1.2202e+0	24.16
14	SLCS348	1.23969	17.03	1.31584e+	21.27	1.64357e+	24.17

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
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

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		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.: BN041924

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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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160290BS	1,4-Dioxane	16	8.7	ug/L	54				0	0	
	Benzaldehyde	40	28	ug/L	70				0	0	
	Pyridine	40	26	ug/L	65				0	0	
	Phenol	40	28	ug/L	70				0	0	
	Bis(2-chloroethyl)ether	40	26	ug/L	65				0	0	
	2-Chlorophenol	40	28	ug/L	70				0	0	
	2-Methylphenol	40	26	ug/L	65				0	0	
	2,2-oxybis(1-Chloropropane)	40	26	ug/L	65				0	0	
	Acetophenone	40	27	ug/L	68				0	0	
	4-Methylphenol	40	27	ug/L	68				0	0	
	N-Nitroso-di-n-propylamine	40	26	ug/L	65				0	0	
	Hexachloroethane	40	25	ug/L	63				0	0	
	Nitrobenzene	40	27	ug/L	68				0	0	
	Isophorone	40	26	ug/L	65				0	0	
	2-Nitrophenol	40	28	ug/L	70				0	0	
	2,4-Dimethylphenol	40	21	ug/L	52				0	0	
	Bis(2-chloroethoxy)methane	40	26	ug/L	65				0	0	
	2,4-Dichlorophenol	40	28	ug/L	70				0	0	
	Naphthalene	40	27	ug/L	68				0	0	
	4-Chloroaniline	40	26	ug/L	65				0	0	
	Hexachlorobutadiene	40	26	ug/L	65				0	0	
	Caprolactam	40	27	ug/L	68				0	0	
	4-Chloro-3-methylphenol	40	27	ug/L	68				0	0	
	1-Methylnaphthalene	40	27	ug/L	68				0	0	
	2-Methylnaphthalene	40	27	ug/L	68				0	0	
	Hexachlorocyclopentadiene	40	18	ug/L	45				0	0	
	2,4,6-Trichlorophenol	40	27	ug/L	68				0	0	
	2,4,5-Trichlorophenol	40	28	ug/L	70				0	0	
	1,1'-Biphenyl	40	27	ug/L	68				0	0	
	2-Chloronaphthalene	40	27	ug/L	68				0	0	
	2-Nitroaniline	40	28	ug/L	70				0	0	
	Dimethylphthalate	40	27	ug/L	68				0	0	
	2,6-Dinitrotoluene	40	28	ug/L	70				0	0	
	Acenaphthylene	40	27	ug/L	68				0	0	
	3-Nitroaniline	40	28	ug/L	70				0	0	
	Acenaphthene	40	26	ug/L	65				0	0	
	2,4-Dinitrophenol	40	23	ug/L	58				0	0	
	4-Nitrophenol	40	28	ug/L	70				0	0	
	Dibenzofuran	40	27	ug/L	68				0	0	
	2,4-Dinitrotoluene	40	29	ug/L	73				0	0	
	Diethylphthalate	40	27	ug/L	68				0	0	
	Fluorene	40	27	ug/L	68				0	0	
	4-Chlorophenyl-phenylether	40	27	ug/L	68				0	0	
	4-Nitroaniline	40	30	ug/L	75				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160290BS	4,6-Dinitro-2-methylphenol	40	27	ug/L	68				0	0	
	N-Nitrosodiphenylamine	40	27	ug/L	68				0	0	
	1,2,4,5-Tetrachlorobenzene	40	27	ug/L	68				0	0	
	4-Bromophenyl-phenylether	40	26	ug/L	65				0	0	
	Hexachlorobenzene	40	27	ug/L	68				0	0	
	Atrazine	40	28	ug/L	70				0	0	
	Pentachlorophenol	40	28	ug/L	70				0	0	
	Phenanthrene	40	27	ug/L	68				0	0	
	Pentachlorobenzene	40	26	ug/L	65				0	0	
	Anthracene	40	27	ug/L	68				0	0	
	1,2,3,4-Tetrachlorobenzene	40	27	ug/L	68				0	0	
	Carbazole	40	29	ug/L	73				0	0	
	Di-n-butylphthalate	40	28	ug/L	70				0	0	
	Fluoranthene	40	27	ug/L	68				0	0	
	Pyrene	40	28	ug/L	70				0	0	
	Butylbenzylphthalate	40	27	ug/L	68				0	0	
	3,3'-Dichlorobenzidine	40	28	ug/L	70				0	0	
	Benzo(a)anthracene	40	28	ug/L	70				0	0	
	Chrysene	40	27	ug/L	68				0	0	
	Bis(2-ethylhexyl)phthalate	40	26	ug/L	65				0	0	
	Di-n-octylphthalate	40	27	ug/L	68				0	0	
	Benzo(b)fluoranthene	40	29	ug/L	73				0	0	
	Benzo(k)fluoranthene	40	29	ug/L	73				0	0	
	Benzo(a)pyrene	40	25	ug/L	63				0	0	
	Indeno(1,2,3-cd)pyrene	40	27	ug/L	68				0	0	
	Dibenzo(a,h)anthracene	40	28	ug/L	70				0	0	
	Benzo(g,h,i)perylene	40	26	ug/L	65				0	0	
	2,3,4,6-Tetrachlorophenol	40	28	ug/L	70				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160292BS	1,4-Dioxane	16	8.6	ug/L	54				0	0	
	Benzaldehyde	40	29	ug/L	73				0	0	
	Pyridine	40	26	ug/L	65				0	0	
	Phenol	40	27	ug/L	68				0	0	
	Bis(2-chloroethyl)ether	40	26	ug/L	65				0	0	
	2-Chlorophenol	40	27	ug/L	68				0	0	
	2-Methylphenol	40	26	ug/L	65				0	0	
	2,2-oxybis(1-Chloropropane)	40	26	ug/L	65				0	0	
	Acetophenone	40	26	ug/L	65				0	0	
	4-Methylphenol	40	27	ug/L	68				0	0	
	N-Nitroso-di-n-propylamine	40	25	ug/L	63				0	0	
	Hexachloroethane	40	25	ug/L	63				0	0	
	Nitrobenzene	40	26	ug/L	65				0	0	
	Isophorone	40	25	ug/L	63				0	0	
	2-Nitrophenol	40	27	ug/L	68				0	0	
	2,4-Dimethylphenol	40	21	ug/L	52				0	0	
	Bis(2-chloroethoxy)methane	40	26	ug/L	65				0	0	
	2,4-Dichlorophenol	40	27	ug/L	68				0	0	
	Naphthalene	40	26	ug/L	65				0	0	
	4-Chloroaniline	40	24	ug/L	60				0	0	
	Hexachlorobutadiene	40	25	ug/L	63				0	0	
	Caprolactam	40	25	ug/L	63				0	0	
	4-Chloro-3-methylphenol	40	27	ug/L	68				0	0	
	1-Methylnaphthalene	40	26	ug/L	65				0	0	
	2-Methylnaphthalene	40	26	ug/L	65				0	0	
	Hexachlorocyclopentadiene	40	18	ug/L	45				0	0	
	2,4,6-Trichlorophenol	40	27	ug/L	68				0	0	
	2,4,5-Trichlorophenol	40	27	ug/L	68				0	0	
	1,1'-Biphenyl	40	27	ug/L	68				0	0	
	2-Chloronaphthalene	40	26	ug/L	65				0	0	
	2-Nitroaniline	40	27	ug/L	68				0	0	
	Dimethylphthalate	40	26	ug/L	65				0	0	
	2,6-Dinitrotoluene	40	27	ug/L	68				0	0	
	Acenaphthylene	40	26	ug/L	65				0	0	
	3-Nitroaniline	40	27	ug/L	68				0	0	
	Acenaphthene	40	25	ug/L	63				0	0	
	2,4-Dinitrophenol	40	22	ug/L	55				0	0	
	4-Nitrophenol	40	28	ug/L	70				0	0	
	Dibenzofuran	40	26	ug/L	65				0	0	
	2,4-Dinitrotoluene	40	28	ug/L	70				0	0	
	Diethylphthalate	40	26	ug/L	65				0	0	
	Fluorene	40	26	ug/L	65				0	0	
	4-Chlorophenyl-phenylether	40	25	ug/L	63				0	0	
	4-Nitroaniline	40	30	ug/L	75				0	0	

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160292BS	4,6-Dinitro-2-methylphenol	40	26	ug/L	65				0	0	
	N-Nitrosodiphenylamine	40	26	ug/L	65				0	0	
	1,2,4,5-Tetrachlorobenzene	40	26	ug/L	65				0	0	
	4-Bromophenyl-phenylether	40	25	ug/L	63				0	0	
	Hexachlorobenzene	40	26	ug/L	65				0	0	
	Atrazine	40	27	ug/L	68				0	0	
	Pentachlorophenol	40	27	ug/L	68				0	0	
	Phenanthrene	40	26	ug/L	65				0	0	
	Pentachlorobenzene	40	26	ug/L	65				0	0	
	Anthracene	40	25	ug/L	63				0	0	
	1,2,3,4-Tetrachlorobenzene	40	27	ug/L	68				0	0	
	Carbazole	40	28	ug/L	70				0	0	
	Di-n-butylphthalate	40	27	ug/L	68				0	0	
	Fluoranthene	40	27	ug/L	68				0	0	
	Pyrene	40	28	ug/L	70				0	0	
	Butylbenzylphthalate	40	27	ug/L	68				0	0	
	3,3'-Dichlorobenzidine	40	27	ug/L	68				0	0	
	Benzo(a)anthracene	40	28	ug/L	70				0	0	
	Chrysene	40	28	ug/L	70				0	0	
	Bis(2-ethylhexyl)phthalate	40	27	ug/L	68				0	0	
	Di-n-octylphthalate	40	27	ug/L	68				0	0	
	Benzo(b)fluoranthene	40	28	ug/L	70				0	0	
	Benzo(k)fluoranthene	40	29	ug/L	73				0	0	
	Benzo(a)pyrene	40	24	ug/L	60				0	0	
	Indeno(1,2,3-cd)pyrene	40	27	ug/L	68				0	0	
	Dibenzo(a,h)anthracene	40	27	ug/L	68				0	0	
	Benzo(g,h,i)perylene	40	26	ug/L	65				0	0	
	2,3,4,6-Tetrachlorophenol	40	27	ug/L	68				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160332BS	1,4-Dioxane	16	9.1	ug/L	57				0	0	
	Benzaldehyde	40	32	ug/L	80				0	0	
	Pyridine	40	28	ug/L	70				0	0	
	Phenol	40	30	ug/L	75				0	0	
	Bis(2-chloroethyl)ether	40	29	ug/L	73				0	0	
	2-Chlorophenol	40	30	ug/L	75				0	0	
	2-Methylphenol	40	29	ug/L	73				0	0	
	2,2-oxybis(1-Chloropropane)	40	29	ug/L	73				0	0	
	Acetophenone	40	29	ug/L	73				0	0	
	4-Methylphenol	40	29	ug/L	73				0	0	
	N-Nitroso-di-n-propylamine	40	28	ug/L	70				0	0	
	Hexachloroethane	40	28	ug/L	70				0	0	
	Nitrobenzene	40	29	ug/L	73				0	0	
	Isophorone	40	28	ug/L	70				0	0	
	2-Nitrophenol	40	30	ug/L	75				0	0	
	2,4-Dimethylphenol	40	24	ug/L	60				0	0	
	Bis(2-chloroethoxy)methane	40	28	ug/L	70				0	0	
	2,4-Dichlorophenol	40	30	ug/L	75				0	0	
	Naphthalene	40	28	ug/L	70				0	0	
	4-Chloroaniline	40	27	ug/L	68				0	0	
	Hexachlorobutadiene	40	27	ug/L	68				0	0	
	Caprolactam	40	29	ug/L	73				0	0	
	4-Chloro-3-methylphenol	40	30	ug/L	75				0	0	
	1-Methylnaphthalene	40	29	ug/L	73				0	0	
	2-Methylnaphthalene	40	28	ug/L	70				0	0	
	Hexachlorocyclopentadiene	40	22	ug/L	55				0	0	
	2,4,6-Trichlorophenol	40	29	ug/L	73				0	0	
	2,4,5-Trichlorophenol	40	29	ug/L	73				0	0	
	1,1'-Biphenyl	40	29	ug/L	73				0	0	
	2-Chloronaphthalene	40	28	ug/L	70				0	0	
	2-Nitroaniline	40	31	ug/L	78				0	0	
	Dimethylphthalate	40	28	ug/L	70				0	0	
	2,6-Dinitrotoluene	40	31	ug/L	78				0	0	
	Acenaphthylene	40	28	ug/L	70				0	0	
	3-Nitroaniline	40	30	ug/L	75				0	0	
	Acenaphthene	40	27	ug/L	68				0	0	
	2,4-Dinitrophenol	40	26	ug/L	65				0	0	
	4-Nitrophenol	40	31	ug/L	78				0	0	
	Dibenzofuran	40	28	ug/L	70				0	0	
	2,4-Dinitrotoluene	40	31	ug/L	78				0	0	
	Diethylphthalate	40	29	ug/L	73				0	0	
	Fluorene	40	28	ug/L	70				0	0	
	4-Chlorophenyl-phenylether	40	28	ug/L	70				0	0	
	4-Nitroaniline	40	32	ug/L	80				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160332BS	4,6-Dinitro-2-methylphenol	40	28	ug/L	70				0	0	
	N-Nitrosodiphenylamine	40	29	ug/L	73				0	0	
	1,2,4,5-Tetrachlorobenzene	40	29	ug/L	73				0	0	
	4-Bromophenyl-phenylether	40	29	ug/L	73				0	0	
	Hexachlorobenzene	40	28	ug/L	70				0	0	
	Atrazine	40	30	ug/L	75				0	0	
	Pentachlorophenol	40	30	ug/L	75				0	0	
	Phenanthrene	40	29	ug/L	73				0	0	
	Pentachlorobenzene	40	27	ug/L	68				0	0	
	Anthracene	40	28	ug/L	70				0	0	
	1,2,3,4-Tetrachlorobenzene	40	29	ug/L	73				0	0	
	Carbazole	40	30	ug/L	75				0	0	
	Di-n-butylphthalate	40	30	ug/L	75				0	0	
	Fluoranthene	40	30	ug/L	75				0	0	
	Pyrene	40	31	ug/L	78				0	0	
	Butylbenzylphthalate	40	30	ug/L	75				0	0	
	3,3'-Dichlorobenzidine	40	29	ug/L	73				0	0	
	Benzo(a)anthracene	40	29	ug/L	73				0	0	
	Chrysene	40	29	ug/L	73				0	0	
	Bis(2-ethylhexyl)phthalate	40	30	ug/L	75				0	0	
	Di-n-octylphthalate	40	32	ug/L	80				0	0	
	Benzo(b)fluoranthene	40	30	ug/L	75				0	0	
	Benzo(k)fluoranthene	40	30	ug/L	75				0	0	
	Benzo(a)pyrene	40	27	ug/L	68				0	0	
	Indeno(1,2,3-cd)pyrene	40	29	ug/L	73				0	0	
	Dibenzo(a,h)anthracene	40	28	ug/L	70				0	0	
	Benzo(g,h,i)perylene	40	27	ug/L	68				0	0	
	2,3,4,6-Tetrachlorophenol	40	31	ug/L	78				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160347BS	1,4-Dioxane	16	10	ug/L	63				0	0	
	Benzaldehyde	40	36	ug/L	90				0	0	
	Pyridine	40	32	ug/L	80				0	0	
	Phenol	40	33	ug/L	83				0	0	
	Bis(2-chloroethyl)ether	40	31	ug/L	78				0	0	
	2-Chlorophenol	40	33	ug/L	83				0	0	
	2-Methylphenol	40	31	ug/L	78				0	0	
	2,2-oxybis(1-Chloropropane)	40	31	ug/L	78				0	0	
	Acetophenone	40	31	ug/L	78				0	0	
	4-Methylphenol	40	31	ug/L	78				0	0	
	N-Nitroso-di-n-propylamine	40	31	ug/L	78				0	0	
	Hexachloroethane	40	30	ug/L	75				0	0	
	Nitrobenzene	40	33	ug/L	83				0	0	
	Isophorone	40	31	ug/L	78				0	0	
	2-Nitrophenol	40	35	ug/L	88				0	0	
	2,4-Dimethylphenol	40	29	ug/L	73				0	0	
	Bis(2-chloroethoxy)methane	40	32	ug/L	80				0	0	
	2,4-Dichlorophenol	40	34	ug/L	85				0	0	
	Naphthalene	40	32	ug/L	80				0	0	
	4-Chloroaniline	40	29	ug/L	73				0	0	
	Hexachlorobutadiene	40	31	ug/L	78				0	0	
	Caprolactam	40	31	ug/L	78				0	0	
	4-Chloro-3-methylphenol	40	33	ug/L	83				0	0	
	1-Methylnaphthalene	40	32	ug/L	80				0	0	
	2-Methylnaphthalene	40	32	ug/L	80				0	0	
	Hexachlorocyclopentadiene	40	25	ug/L	63				0	0	
	2,4,6-Trichlorophenol	40	32	ug/L	80				0	0	
	2,4,5-Trichlorophenol	40	34	ug/L	85				0	0	
	1,1'-Biphenyl	40	32	ug/L	80				0	0	
	2-Chloronaphthalene	40	32	ug/L	80				0	0	
	2-Nitroaniline	40	34	ug/L	85				0	0	
	Dimethylphthalate	40	31	ug/L	78				0	0	
	2,6-Dinitrotoluene	40	33	ug/L	83				0	0	
	Acenaphthylene	40	31	ug/L	78				0	0	
	3-Nitroaniline	40	34	ug/L	85				0	0	
	Acenaphthene	40	31	ug/L	78				0	0	
	2,4-Dinitrophenol	40	28	ug/L	70				0	0	
	4-Nitrophenol	40	33	ug/L	83				0	0	
	Dibenzofuran	40	32	ug/L	80				0	0	
	2,4-Dinitrotoluene	40	34	ug/L	85				0	0	
	Diethylphthalate	40	31	ug/L	78				0	0	
	Fluorene	40	31	ug/L	78				0	0	
	4-Chlorophenyl-phenylether	40	31	ug/L	78				0	0	
	4-Nitroaniline	40	36	ug/L	90				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB160347BS	4,6-Dinitro-2-methylphenol	40	32	ug/L	80				0	0	
	N-Nitrosodiphenylamine	40	33	ug/L	83				0	0	
	1,2,4,5-Tetrachlorobenzene	40	32	ug/L	80				0	0	
	4-Bromophenyl-phenylether	40	32	ug/L	80				0	0	
	Hexachlorobenzene	40	32	ug/L	80				0	0	
	Atrazine	40	25	ug/L	63				0	0	
	Pentachlorophenol	40	31	ug/L	78				0	0	
	Phenanthrene	40	32	ug/L	80				0	0	
	Pentachlorobenzene	40	32	ug/L	80				0	0	
	Anthracene	40	32	ug/L	80				0	0	
	1,2,3,4-Tetrachlorobenzene	40	34	ug/L	85				0	0	
	Carbazole	40	34	ug/L	85				0	0	
	Di-n-butylphthalate	40	33	ug/L	83				0	0	
	Fluoranthene	40	33	ug/L	83				0	0	
	Pyrene	40	33	ug/L	83				0	0	
	Butylbenzylphthalate	40	32	ug/L	80				0	0	
	3,3'-Dichlorobenzidine	40	33	ug/L	83				0	0	
	Benzo(a)anthracene	40	33	ug/L	83				0	0	
	Chrysene	40	33	ug/L	83				0	0	
	Bis(2-ethylhexyl)phthalate	40	32	ug/L	80				0	0	
	Di-n-octylphthalate	40	34	ug/L	85				0	0	
	Benzo(b)fluoranthene	40	34	ug/L	85				0	0	
	Benzo(k)fluoranthene	40	35	ug/L	88				0	0	
	Benzo(a)pyrene	40	30	ug/L	75				0	0	
	Indeno(1,2,3-cd)pyrene	40	33	ug/L	83				0	0	
	Dibenzo(a,h)anthracene	40	32	ug/L	80				0	0	
	Benzo(g,h,i)perylene	40	31	ug/L	78				0	0	
	2,3,4,6-Tetrachlorophenol	40	31	ug/L	78				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160348BS	1,4-Dioxane	16	9.4	ug/L	59				0	0	
	Benzaldehyde	40	34	ug/L	85				0	0	
	Pyridine	40	29	ug/L	73				0	0	
	Phenol	40	30	ug/L	75				0	0	
	Bis(2-chloroethyl)ether	40	29	ug/L	73				0	0	
	2-Chlorophenol	40	30	ug/L	75				0	0	
	2-Methylphenol	40	29	ug/L	73				0	0	
	2,2-oxybis(1-Chloropropane)	40	29	ug/L	73				0	0	
	Acetophenone	40	28	ug/L	70				0	0	
	4-Methylphenol	40	29	ug/L	73				0	0	
	N-Nitroso-di-n-propylamine	40	28	ug/L	70				0	0	
	Hexachloroethane	40	28	ug/L	70				0	0	
	Nitrobenzene	40	30	ug/L	75				0	0	
	Isophorone	40	28	ug/L	70				0	0	
	2-Nitrophenol	40	32	ug/L	80				0	0	
	2,4-Dimethylphenol	40	25	ug/L	63				0	0	
	Bis(2-chloroethoxy)methane	40	29	ug/L	73				0	0	
	2,4-Dichlorophenol	40	31	ug/L	78				0	0	
	Naphthalene	40	29	ug/L	73				0	0	
	4-Chloroaniline	40	26	ug/L	65				0	0	
	Hexachlorobutadiene	40	29	ug/L	73				0	0	
	Caprolactam	40	29	ug/L	73				0	0	
	4-Chloro-3-methylphenol	40	30	ug/L	75				0	0	
	1-Methylnaphthalene	40	29	ug/L	73				0	0	
	2-Methylnaphthalene	40	29	ug/L	73				0	0	
	Hexachlorocyclopentadiene	40	21	ug/L	52				0	0	
	2,4,6-Trichlorophenol	40	30	ug/L	75				0	0	
	2,4,5-Trichlorophenol	40	31	ug/L	78				0	0	
	1,1'-Biphenyl	40	30	ug/L	75				0	0	
	2-Chloronaphthalene	40	29	ug/L	73				0	0	
	2-Nitroaniline	40	32	ug/L	80				0	0	
	Dimethylphthalate	40	29	ug/L	73				0	0	
	2,6-Dinitrotoluene	40	32	ug/L	80				0	0	
	Acenaphthylene	40	29	ug/L	73				0	0	
	3-Nitroaniline	40	32	ug/L	80				0	0	
	Acenaphthene	40	29	ug/L	73				0	0	
	2,4-Dinitrophenol	40	27	ug/L	68				0	0	
	4-Nitrophenol	40	31	ug/L	78				0	0	
	Dibenzofuran	40	29	ug/L	73				0	0	
	2,4-Dinitrotoluene	40	31	ug/L	78				0	0	
	Diethylphthalate	40	29	ug/L	73				0	0	
	Fluorene	40	28	ug/L	70				0	0	
	4-Chlorophenyl-phenylether	40	29	ug/L	73				0	0	
	4-Nitroaniline	40	33	ug/L	83				0	0	

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160348BS	4,6-Dinitro-2-methylphenol	40	30	ug/L	75				0	0	
	N-Nitrosodiphenylamine	40	31	ug/L	78				0	0	
	1,2,4,5-Tetrachlorobenzene	40	30	ug/L	75				0	0	
	4-Bromophenyl-phenylether	40	29	ug/L	73				0	0	
	Hexachlorobenzene	40	29	ug/L	73				0	0	
	Atrazine	40	22	ug/L	55				0	0	
	Pentachlorophenol	40	28	ug/L	70				0	0	
	Phenanthrene	40	29	ug/L	73				0	0	
	Pentachlorobenzene	40	29	ug/L	73				0	0	
	Anthracene	40	28	ug/L	70				0	0	
	1,2,3,4-Tetrachlorobenzene	40	31	ug/L	78				0	0	
	Carbazole	40	30	ug/L	75				0	0	
	Di-n-butylphthalate	40	30	ug/L	75				0	0	
	Fluoranthene	40	32	ug/L	80				0	0	
	Pyrene	40	32	ug/L	80				0	0	
	Butylbenzylphthalate	40	32	ug/L	80				0	0	
	3,3'-Dichlorobenzidine	40	31	ug/L	78				0	0	
	Benzo(a)anthracene	40	31	ug/L	78				0	0	
	Chrysene	40	31	ug/L	78				0	0	
	Bis(2-ethylhexyl)phthalate	40	31	ug/L	78				0	0	
	Di-n-octylphthalate	40	33	ug/L	83				0	0	
	Benzo(b)fluoranthene	40	33	ug/L	83				0	0	
	Benzo(k)fluoranthene	40	32	ug/L	80				0	0	
	Benzo(a)pyrene	40	28	ug/L	70				0	0	
	Indeno(1,2,3-cd)pyrene	40	30	ug/L	75				0	0	
	Dibenzo(a,h)anthracene	40	29	ug/L	73				0	0	
	Benzo(g,h,i)perylene	40	28	ug/L	70				0	0	
	2,3,4,6-Tetrachlorophenol	40	29	ug/L	73				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160363BS	1,4-Dioxane	16	9.7	ug/L	61				0	0	
	Benzaldehyde	40	33	ug/L	83				0	0	
	Pyridine	40	30	ug/L	75				0	0	
	Phenol	40	31	ug/L	78				0	0	
	Bis(2-chloroethyl)ether	40	29	ug/L	73				0	0	
	2-Chlorophenol	40	31	ug/L	78				0	0	
	2-Methylphenol	40	29	ug/L	73				0	0	
	2,2-oxybis(1-Chloropropane)	40	29	ug/L	73				0	0	
	Acetophenone	40	29	ug/L	73				0	0	
	4-Methylphenol	40	30	ug/L	75				0	0	
	N-Nitroso-di-n-propylamine	40	28	ug/L	70				0	0	
	Hexachloroethane	40	29	ug/L	73				0	0	
	Nitrobenzene	40	30	ug/L	75				0	0	
	Isophorone	40	28	ug/L	70				0	0	
	2-Nitrophenol	40	31	ug/L	78				0	0	
	2,4-Dimethylphenol	40	27	ug/L	68				0	0	
	Bis(2-chloroethoxy)methane	40	29	ug/L	73				0	0	
	2,4-Dichlorophenol	40	31	ug/L	78				0	0	
	Naphthalene	40	30	ug/L	75				0	0	
	4-Chloroaniline	40	25	ug/L	63				0	0	
	Hexachlorobutadiene	40	29	ug/L	73				0	0	
	Caprolactam	40	28	ug/L	70				0	0	
	4-Chloro-3-methylphenol	40	31	ug/L	78				0	0	
	1-Methylnaphthalene	40	30	ug/L	75				0	0	
	2-Methylnaphthalene	40	30	ug/L	75				0	0	
	Hexachlorocyclopentadiene	40	22	ug/L	55				0	0	
	2,4,6-Trichlorophenol	40	30	ug/L	75				0	0	
	2,4,5-Trichlorophenol	40	32	ug/L	80				0	0	
	1,1'-Biphenyl	40	31	ug/L	78				0	0	
	2-Chloronaphthalene	40	30	ug/L	75				0	0	
	2-Nitroaniline	40	32	ug/L	80				0	0	
	Dimethylphthalate	40	30	ug/L	75				0	0	
	2,6-Dinitrotoluene	40	31	ug/L	78				0	0	
	Acenaphthylene	40	30	ug/L	75				0	0	
	3-Nitroaniline	40	32	ug/L	80				0	0	
	Acenaphthene	40	29	ug/L	73				0	0	
	2,4-Dinitrophenol	40	26	ug/L	65				0	0	
	4-Nitrophenol	40	31	ug/L	78				0	0	
	Dibenzofuran	40	30	ug/L	75				0	0	
	2,4-Dinitrotoluene	40	32	ug/L	80				0	0	
	Diethylphthalate	40	30	ug/L	75				0	0	
	Fluorene	40	29	ug/L	73				0	0	
	4-Chlorophenyl-phenylether	40	30	ug/L	75				0	0	
	4-Nitroaniline	40	34	ug/L	85				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160363BS	4,6-Dinitro-2-methylphenol	40	30	ug/L	75				0	0	
	N-Nitrosodiphenylamine	40	31	ug/L	78				0	0	
	1,2,4,5-Tetrachlorobenzene	40	31	ug/L	78				0	0	
	4-Bromophenyl-phenylether	40	30	ug/L	75				0	0	
	Hexachlorobenzene	40	30	ug/L	75				0	0	
	Atrazine	40	15	ug/L	38				0	0	
	Pentachlorophenol	40	29	ug/L	73				0	0	
	Phenanthrene	40	30	ug/L	75				0	0	
	Pentachlorobenzene	40	30	ug/L	75				0	0	
	Anthracene	40	30	ug/L	75				0	0	
	1,2,3,4-Tetrachlorobenzene	40	31	ug/L	78				0	0	
	Carbazole	40	32	ug/L	80				0	0	
	Di-n-butylphthalate	40	31	ug/L	78				0	0	
	Fluoranthene	40	31	ug/L	78				0	0	
	Pyrene	40	31	ug/L	78				0	0	
	Butylbenzylphthalate	40	31	ug/L	78				0	0	
	3,3'-Dichlorobenzidine	40	30	ug/L	75				0	0	
	Benzo(a)anthracene	40	30	ug/L	75				0	0	
	Chrysene	40	31	ug/L	78				0	0	
	Bis(2-ethylhexyl)phthalate	40	30	ug/L	75				0	0	
	Di-n-octylphthalate	40	33	ug/L	83				0	0	
	Benzo(b)fluoranthene	40	32	ug/L	80				0	0	
	Benzo(k)fluoranthene	40	33	ug/L	83				0	0	
	Benzo(a)pyrene	40	29	ug/L	73				0	0	
	Indeno(1,2,3-cd)pyrene	40	31	ug/L	78				0	0	
	Dibenzo(a,h)anthracene	40	31	ug/L	78				0	0	
	Benzo(g,h,i)perylene	40	29	ug/L	73				0	0	
	2,3,4,6-Tetrachlorophenol	40	30	ug/L	75				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160364BS	1,4-Dioxane	16	10	ug/L	63				0	0	
	Benzaldehyde	40	36	ug/L	90				0	0	
	Pyridine	40	31	ug/L	78				0	0	
	Phenol	40	32	ug/L	80				0	0	
	Bis(2-chloroethyl)ether	40	31	ug/L	78				0	0	
	2-Chlorophenol	40	33	ug/L	83				0	0	
	2-Methylphenol	40	31	ug/L	78				0	0	
	2,2-oxybis(1-Chloropropane)	40	31	ug/L	78				0	0	
	Acetophenone	40	31	ug/L	78				0	0	
	4-Methylphenol	40	32	ug/L	80				0	0	
	N-Nitroso-di-n-propylamine	40	30	ug/L	75				0	0	
	Hexachloroethane	40	31	ug/L	78				0	0	
	Nitrobenzene	40	32	ug/L	80				0	0	
	Isophorone	40	30	ug/L	75				0	0	
	2-Nitrophenol	40	32	ug/L	80				0	0	
	2,4-Dimethylphenol	40	29	ug/L	73				0	0	
	Bis(2-chloroethoxy)methane	40	31	ug/L	78				0	0	
	2,4-Dichlorophenol	40	33	ug/L	83				0	0	
	Naphthalene	40	30	ug/L	75				0	0	
	4-Chloroaniline	40	28	ug/L	70				0	0	
	Hexachlorobutadiene	40	30	ug/L	75				0	0	
	Caprolactam	40	30	ug/L	75				0	0	
	4-Chloro-3-methylphenol	40	32	ug/L	80				0	0	
	1-Methylnaphthalene	40	31	ug/L	78				0	0	
	2-Methylnaphthalene	40	31	ug/L	78				0	0	
	Hexachlorocyclopentadiene	40	25	ug/L	63				0	0	
	2,4,6-Trichlorophenol	40	32	ug/L	80				0	0	
	2,4,5-Trichlorophenol	40	33	ug/L	83				0	0	
	1,1'-Biphenyl	40	32	ug/L	80				0	0	
	2-Chloronaphthalene	40	31	ug/L	78				0	0	
	2-Nitroaniline	40	33	ug/L	83				0	0	
	Dimethylphthalate	40	31	ug/L	78				0	0	
	2,6-Dinitrotoluene	40	33	ug/L	83				0	0	
	Acenaphthylene	40	31	ug/L	78				0	0	
	3-Nitroaniline	40	34	ug/L	85				0	0	
	Acenaphthene	40	30	ug/L	75				0	0	
	2,4-Dinitrophenol	40	28	ug/L	70				0	0	
	4-Nitrophenol	40	32	ug/L	80				0	0	
	Dibenzofuran	40	31	ug/L	78				0	0	
	2,4-Dinitrotoluene	40	33	ug/L	83				0	0	
	Diethylphthalate	40	31	ug/L	78				0	0	
	Fluorene	40	31	ug/L	78				0	0	
	4-Chlorophenyl-phenylether	40	31	ug/L	78				0	0	
	4-Nitroaniline	40	35	ug/L	88				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160364BS	4,6-Dinitro-2-methylphenol	40	32	ug/L	80				0	0	
	N-Nitrosodiphenylamine	40	33	ug/L	83				0	0	
	1,2,4,5-Tetrachlorobenzene	40	32	ug/L	80				0	0	
	4-Bromophenyl-phenylether	40	31	ug/L	78				0	0	
	Hexachlorobenzene	40	32	ug/L	80				0	0	
	Atrazine	40	17	ug/L	43				0	0	
	Pentachlorophenol	40	30	ug/L	75				0	0	
	Phenanthrene	40	32	ug/L	80				0	0	
	Pentachlorobenzene	40	31	ug/L	78				0	0	
	Anthracene	40	31	ug/L	78				0	0	
	1,2,3,4-Tetrachlorobenzene	40	33	ug/L	83				0	0	
	Carbazole	40	33	ug/L	83				0	0	
	Di-n-butylphthalate	40	33	ug/L	83				0	0	
	Fluoranthene	40	32	ug/L	80				0	0	
	Pyrene	40	33	ug/L	83				0	0	
	Butylbenzylphthalate	40	33	ug/L	83				0	0	
	3,3'-Dichlorobenzidine	40	31	ug/L	78				0	0	
	Benzo(a)anthracene	40	32	ug/L	80				0	0	
	Chrysene	40	32	ug/L	80				0	0	
	Bis(2-ethylhexyl)phthalate	40	32	ug/L	80				0	0	
	Di-n-octylphthalate	40	35	ug/L	88				0	0	
	Benzo(b)fluoranthene	40	34	ug/L	85				0	0	
	Benzo(k)fluoranthene	40	34	ug/L	85				0	0	
	Benzo(a)pyrene	40	30	ug/L	75				0	0	
	Indeno(1,2,3-cd)pyrene	40	32	ug/L	80				0	0	
	Dibenzo(a,h)anthracene	40	32	ug/L	80				0	0	
	Benzo(g,h,i)perylene	40	30	ug/L	75				0	0	
	2,3,4,6-Tetrachlorophenol	40	31	ug/L	78				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160366BS	1,4-Dioxane	530	310	ug/Kg	58				0	0	
	Benzaldehyde	1300	1100	ug/Kg	85				0	0	
	Pyridine	1300	940	ug/Kg	72				0	0	
	Phenol	1300	1000	ug/Kg	77				0	0	
	Bis(2-chloroethyl)ether	1300	970	ug/Kg	75				0	0	
	2-Chlorophenol	1300	1000	ug/Kg	77				0	0	
	2-Methylphenol	1300	980	ug/Kg	75				0	0	
	2,2-oxybis(1-Chloropropane)	1300	950	ug/Kg	73				0	0	
	Acetophenone	1300	980	ug/Kg	75				0	0	
	4-Methylphenol	1300	1000	ug/Kg	77				0	0	
	N-Nitroso-di-n-propylamine	1300	980	ug/Kg	75				0	0	
	Hexachloroethane	1300	950	ug/Kg	73				0	0	
	Nitrobenzene	1300	970	ug/Kg	75				0	0	
	Isophorone	1300	960	ug/Kg	74				0	0	
	2-Nitrophenol	1300	1000	ug/Kg	77				0	0	
	2,4-Dimethylphenol	1300	940	ug/Kg	72				0	0	
	Bis(2-chloroethoxy)methane	1300	960	ug/Kg	74				0	0	
	2,4-Dichlorophenol	1300	1000	ug/Kg	77				0	0	
	Naphthalene	1300	950	ug/Kg	73				0	0	
	4-Chloroaniline	1300	890	ug/Kg	68				0	0	
	Hexachlorobutadiene	1300	950	ug/Kg	73				0	0	
	Caprolactam	1300	1000	ug/Kg	77				0	0	
	4-Chloro-3-methylphenol	1300	1000	ug/Kg	77				0	0	
	1-Methylnaphthalene	1300	980	ug/Kg	75				0	0	
	2-Methylnaphthalene	1300	970	ug/Kg	75				0	0	
	Hexachlorocyclopentadiene	1300	820	ug/Kg	63				0	0	
	2,4,6-Trichlorophenol	1300	1000	ug/Kg	77				0	0	
	2,4,5-Trichlorophenol	1300	1000	ug/Kg	77				0	0	
	1,1'-Biphenyl	1300	970	ug/Kg	75				0	0	
	2-Chloronaphthalene	1300	960	ug/Kg	74				0	0	
	2-Nitroaniline	1300	1100	ug/Kg	85				0	0	
	Dimethylphthalate	1300	980	ug/Kg	75				0	0	
	2,6-Dinitrotoluene	1300	1000	ug/Kg	77				0	0	
	Acenaphthylene	1300	960	ug/Kg	74				0	0	
	3-Nitroaniline	1300	1100	ug/Kg	85				0	0	
	Acenaphthene	1300	950	ug/Kg	73				0	0	
	2,4-Dinitrophenol	1300	980	ug/Kg	75				0	0	
	4-Nitrophenol	1300	1000	ug/Kg	77				0	0	
	Dibenzofuran	1300	970	ug/Kg	75				0	0	
	2,4-Dinitrotoluene	1300	1100	ug/Kg	85				0	0	
	Diethylphthalate	1300	990	ug/Kg	76				0	0	
	Fluorene	1300	970	ug/Kg	75				0	0	
	4-Chlorophenyl-phenylether	1300	970	ug/Kg	75				0	0	
	4-Nitroaniline	1300	1100	ug/Kg	85				0	0	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC **DataFile:**

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB160366BS	4,6-Dinitro-2-methylphenol	1300	1000	ug/Kg	77				0	0	
	N-Nitrosodiphenylamine	1300	1000	ug/Kg	77				0	0	
	1,2,4,5-Tetrachlorobenzene	1300	990	ug/Kg	76				0	0	
	4-Bromophenyl-phenylether	1300	960	ug/Kg	74				0	0	
	Hexachlorobenzene	1300	980	ug/Kg	75				0	0	
	Atrazine	1300	890	ug/Kg	68				0	0	
	Pentachlorophenol	1300	1000	ug/Kg	77				0	0	
	Phenanthrene	1300	970	ug/Kg	75				0	0	
	Pentachlorobenzene	1300	960	ug/Kg	74				0	0	
	Anthracene	1300	940	ug/Kg	72				0	0	
	1,2,3,4-Tetrachlorobenzene	1300	1000	ug/Kg	77				0	0	
	Carbazole	1300	1000	ug/Kg	77				0	0	
	Di-n-butylphthalate	1300	1000	ug/Kg	77				0	0	
	Fluoranthene	1300	1000	ug/Kg	77				0	0	
	Pyrene	1300	1100	ug/Kg	85				0	0	
	Butylbenzylphthalate	1300	1100	ug/Kg	85				0	0	
	3,3'-Dichlorobenzidine	1300	1000	ug/Kg	77				0	0	
	Benzo(a)anthracene	1300	1000	ug/Kg	77				0	0	
	Chrysene	1300	1000	ug/Kg	77				0	0	
	Bis(2-ethylhexyl)phthalate	1300	1000	ug/Kg	77				0	0	
	Di-n-octylphthalate	1300	1000	ug/Kg	77				0	0	
	Benzo(b)fluoranthene	1300	1000	ug/Kg	77				0	0	
	Benzo(k)fluoranthene	1300	1000	ug/Kg	77				0	0	
	Benzo(a)pyrene	1300	890	ug/Kg	68				0	0	
	Indeno(1,2,3-cd)pyrene	1300	1000	ug/Kg	77				0	0	
	Dibenzo(a,h)anthracene	1300	1000	ug/Kg	77				0	0	
	Benzo(g,h,i)perylene	1300	980	ug/Kg	75				0	0	
	2,3,4,6-Tetrachlorophenol	1300	1000	ug/Kg	77				0	0	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SSTD020368

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031044.D Lab Sample ID: SSTDCCC020

Instrument ID: BNA_N Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 04/19/2024

Level: (low/med) LOW Time Analyzed: 16:58

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SSTD020368	SSTDCCC020	BN031044.D	04/19/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK290

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031085.D Lab Sample ID: PB160290BL

Instrument ID: BNA_N Date Extracted: 04/16/2024

Matrix: (soil/water) Water Date Analyzed: 04/20/2024

Level: (low/med) LOW Time Analyzed: 22:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AG0	P2077-06	BN031087.D	04/21/2024
C0AG1	P2077-07	BN031088.D	04/21/2024
C0AG2	P2077-08	BN031089.D	04/21/2024
C0AL3	P2077-09	BN031090.D	04/21/2024
C0AL4	P2077-10	BN031091.D	04/21/2024
PB160290BS	PB160290BS	BN031097.D	04/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK292

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031084.D Lab Sample ID: PB160292BL

Instrument ID: BNA_N Date Extracted: 04/16/2024

Matrix: (soil/water) Water Date Analyzed: 04/20/2024

Level: (low/med) LOW Time Analyzed: 22:04

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0AL9	P2077-12	BN031086.D	04/20/2024
YCST2	P2053-04	BN031078.D	04/20/2024
YCSS4	P2053-05	BN031079.D	04/20/2024
YCSS5	P2053-06	BN031080.D	04/20/2024
YCST3	P2053-07	BN031081.D	04/20/2024
PB160292BS	PB160292BS	BN031096.D	04/21/2024

COMMENTS:

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Fax : 908 789 8922

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SLCS332

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031082.D Lab Sample ID: PB160332BS

Instrument ID: BNA_N Date Extracted: 04/17/2024

Matrix: (soil/water) Water Date Analyzed: 04/20/2024

Level: (low/med) LOW Time Analyzed: 20:06

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160332BS	PB160332BS	BN031082.D	04/20/2024
E0MG8	P2117-02	BN031073.D	04/20/2024
E0MG9	P2117-03	BN031074.D	04/20/2024
E0MH1	P2117-05	BN031075.D	04/20/2024
E0MH2	P2117-06	BN031076.D	04/20/2024
E0MH3	P2117-07	BN031077.D	04/20/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK347

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031055.D Lab Sample ID: PB160347BL

Instrument ID: BNA_N Date Extracted: 04/17/2024

Matrix: (soil/water) Water Date Analyzed: 04/20/2024

Level: (low/med) LOW Time Analyzed: 01:40

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0RB6	P2159-01	BN031059.D	04/20/2024
C0RC1	P2159-02	BN031060.D	04/20/2024
C0RC4	P2159-03	BN031061.D	04/20/2024
MC0R80	P2159-04	BN031062.D	04/20/2024
C0RD8	P2159-05	BN031063.D	04/20/2024
C0RE3	P2159-06	BN031064.D	04/20/2024
PB160347BS	PB160347BS	BN031111.D	04/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK348

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031058.D Lab Sample ID: PB160348BL

Instrument ID: BNA_N Date Extracted: 04/17/2024

Matrix: (soil/water) Water Date Analyzed: 04/20/2024

Level: (low/med) LOW Time Analyzed: 03:38

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
C0RJ7	P2159-08	BN031065.D	04/20/2024
C0R92	P2159-09	BN031066.D	04/20/2024
C0RA5	P2159-10	BN031067.D	04/20/2024
C0RJ6	P2159-07	BN031070.D	04/20/2024
C0RD3	P2159-12	BN031071.D	04/20/2024
C0RC0	P2159-11	BN031072.D	04/20/2024
PB160348BS	PB160348BS	BN031112.D	04/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK363

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031099.D Lab Sample ID: PB160363BL

Instrument ID: BNA_N Date Extracted: 04/18/2024

Matrix: (soil/water) Water Date Analyzed: 04/21/2024

Level: (low/med) LOW Time Analyzed: 08:35

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160363BS	PB160363BS	BN031109.D	04/21/2024
C0RB1	P2159-17	BN031101.D	04/21/2024
C0RD5	P2159-18	BN031102.D	04/21/2024
C0R91	P2159-13	BN031092.D	04/21/2024
C0RB0	P2159-14	BN031093.D	04/21/2024
C0RD0	P2159-15	BN031094.D	04/21/2024
C0RE1	P2159-16	BN031095.D	04/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK364

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031100.D Lab Sample ID: PB160364BL

Instrument ID: BNA_N Date Extracted: 04/18/2024

Matrix: (soil/water) Water Date Analyzed: 04/21/2024

Level: (low/med) LOW Time Analyzed: 09:14

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160364BS	PB160364BS	BN031110.D	04/21/2024
C0RE0	P2159-19	BN031103.D	04/21/2024
C0RE2	P2159-20	BN031104.D	04/21/2024
C0RC3	P2161-01	BN031105.D	04/21/2024
C0RD2	P2161-02	BN031106.D	04/21/2024
C0RD4	P2161-03	BN031107.D	04/21/2024
C0RJ9	P2161-04	BN031108.D	04/21/2024

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK366

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BN041924 SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031052.D Lab Sample ID: PB160366BL

Instrument ID: BNA_N Date Extracted: 04/18/2024

Matrix: (soil/water) Solid Date Analyzed: 04/19/2024

Level: (low/med) LOW Time Analyzed: 23:02

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160366BS	PB160366BS	BN031053.D	04/19/2024
E07W9RX	P2145-01RX	BN031056.D	04/20/2024
E07Y0	P2145-06	BN031057.D	04/20/2024

COMMENTS:

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method:

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD

Lab Sample ID: **Client Sample ID:** **DataFile:**

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDCCC020	SSTD020368	BN031044.D	1,4-Dioxane-d8	8	8,213.00	102663	*	15	120
			Pyridine-d5	40	20,650.00	51625	*	20	120
			Phenol-d5	40	21,597.00	53992	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	20,601.00	51503	*	25	120
			2-Chlorophenol-d4	40	22,746.00	56865	*	20	130
			4-Methylphenol-d8	40	21,632.00	54080	*	25	125
			Nitrobenzene-d5	40	22,566.00	56415	*	20	125
			2-Nitrophenol-d4	40	25,528.00	63820	*	20	130
			2,4-Dichlorophenol-d3	40	22,694.00	56735	*	20	120
			4-Chloroaniline-d4	40	21,200.00	53000	*	1	146
			Dimethylphthalate-d6	40	21,865.00	54663	*	25	130
			Acenaphthylene-d8	40	22,050.00	55125	*	10	130
			4-Nitrophenol-d4	40	23,824.00	59560	*	10	150
			Fluorene-d10	40	22,263.00	55658	*	25	125
			4,6-Dinitro-2-methylphenol-d2	40	23,175.00	57938	*	10	130
			Anthracene-d10	40	22,080.00	55200	*	25	130
			Pyrene-d10	40	19,012.00	47530	*	15	130
			Benzo(a)pyrene-d12	40	21,600.00	54000	*	20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2077-06	C0AG0	BN031087.D	1,4-Dioxane-d8	8	2.74	34		15	120
			Pyridine-d5	40	3.77	9	*	20	120
			Phenol-d5	40	5.14	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.93	60		25	120
			2-Chlorophenol-d4	40	18.58	46		20	130
			4-Methylphenol-d8	40	11.74	29		25	125
			Nitrobenzene-d5	40	24.24	61		20	125
			2-Nitrophenol-d4	40	23.03	58		20	130
			2,4-Dichlorophenol-d3	40	21.90	55		20	120
			4-Chloroaniline-d4	40	4.90	12		1	146
			Dimethylphthalate-d6	40	26.47	66		25	130
			Acenaphthylene-d8	40	25.26	63		10	130
			4-Nitrophenol-d4	40	4.32	11		10	150
			Fluorene-d10	40	26.60	66		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.40	51		10	130
			Anthracene-d10	40	27.96	70		25	130
			Pyrene-d10	40	29.14	73		15	130
			Benzo(a)pyrene-d12	40	30.49	76		20	130
P2077-07	C0AG1	BN031088.D	1,4-Dioxane-d8	8	3.07	38		15	120
			Pyridine-d5	40	4.70	12	*	20	120
			Phenol-d5	40	4.40	11		10	130
			Bis(2-Chloroethyl)ether-d8	40	22.53	56		25	120
			2-Chlorophenol-d4	40	17.15	43		20	130
			4-Methylphenol-d8	40	10.65	27		25	125
			Nitrobenzene-d5	40	22.92	57		20	125
			2-Nitrophenol-d4	40	21.36	53		20	130
			2,4-Dichlorophenol-d3	40	21.39	53		20	120
			4-Chloroaniline-d4	40	17.27	43		1	146
			Dimethylphthalate-d6	40	26.75	67		25	130
			Acenaphthylene-d8	40	25.15	63		10	130
			4-Nitrophenol-d4	40	3.18	8	*	10	150
			Fluorene-d10	40	27.21	68		25	125
			4,6-Dinitro-2-methylphenol-d2	40	17.24	43		10	130
			Anthracene-d10	40	28.96	72		25	130
			Pyrene-d10	40	30.39	76		15	130
			Benzo(a)pyrene-d12	40	30.53	76		20	130
P2077-08	C0AG2	BN031089.D	1,4-Dioxane-d8	8	4.07	51		15	120
			Pyridine-d5	40	6.91	17	*	20	120
			Phenol-d5	40	5.22	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.38	68		25	120
			2-Chlorophenol-d4	40	20.47	51		20	130
			4-Methylphenol-d8	40	11.88	30		25	125
			Nitrobenzene-d5	40	28.06	70		20	125
			2-Nitrophenol-d4	40	26.35	66		20	130
			2,4-Dichlorophenol-d3	40	24.87	62		20	120
			4-Chloroaniline-d4	40	21.43	54		1	146
			Dimethylphthalate-d6	40	29.56	74		25	130
			Acenaphthylene-d8	40	29.23	73		10	130
			4-Nitrophenol-d4	40	4.62	12		10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2077-08	C0AG2	BN031089.D	Fluorene-d10	40	30.72	77		25	125
			4,6-Dinitro-2-methylphenol-d2	40	23.64	59		10	130
			Anthracene-d10	40	32.75	82		25	130
			Pyrene-d10	40	34.25	86		15	130
			Benzo(a)pyrene-d12	40	35.04	88		20	130
P2077-09	C0AL3	BN031090.D	1,4-Dioxane-d8	8	2.93	37		15	120
			Pyridine-d5	40	3.81	10	*	20	120
			Phenol-d5	40	4.27	11		10	130
			Bis(2-Chloroethyl)ether-d8	40	24.94	62		25	120
			2-Chlorophenol-d4	40	18.05	45		20	130
			4-Methylphenol-d8	40	11.01	28		25	125
			Nitrobenzene-d5	40	25.44	64		20	125
			2-Nitrophenol-d4	40	22.85	57		20	130
			2,4-Dichlorophenol-d3	40	22.00	55		20	120
			4-Chloroaniline-d4	40	19.40	48		1	146
			Dimethylphthalate-d6	40	29.18	73		25	130
			Acenaphthylene-d8	40	27.66	69		10	130
			4-Nitrophenol-d4	40	3.35	8	*	10	150
			Fluorene-d10	40	28.98	72		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.58	49		10	130
			Anthracene-d10	40	31.59	79		25	130
			Pyrene-d10	40	31.15	78		15	130
			Benzo(a)pyrene-d12	40	33.78	84		20	130
P2077-10	C0AL4	BN031091.D	1,4-Dioxane-d8	8	3.34	42		15	120
			Pyridine-d5	40	5.11	13	*	20	120
			Phenol-d5	40	4.71	12		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.45	66		25	120
			2-Chlorophenol-d4	40	19.66	49		20	130
			4-Methylphenol-d8	40	11.70	29		25	125
			Nitrobenzene-d5	40	26.88	67		20	125
			2-Nitrophenol-d4	40	25.12	63		20	130
			2,4-Dichlorophenol-d3	40	24.05	60		20	120
			4-Chloroaniline-d4	40	22.91	57		1	146
			Dimethylphthalate-d6	40	28.68	72		25	130
			Acenaphthylene-d8	40	28.00	70		10	130
			4-Nitrophenol-d4	40	3.40	9	*	10	150
			Fluorene-d10	40	29.56	74		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.11	48		10	130
			Anthracene-d10	40	31.88	80		25	130
			Pyrene-d10	40	31.06	78		15	130
			Benzo(a)pyrene-d12	40	31.16	78		20	130
PB160290BL	PB160290BL	BN031085.D	1,4-Dioxane-d8	8	5.18	65		15	120
			Pyridine-d5	40	29.44	74		20	120
			Phenol-d5	40	28.29	71		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.04	75		25	120
			2-Chlorophenol-d4	40	28.82	72		20	130
			4-Methylphenol-d8	40	28.34	71		25	125
			Nitrobenzene-d5	40	29.84	75		20	125
			2-Nitrophenol-d4	40	29.42	74		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160290BL	PB160290BL	BN031085.D	2,4-Dichlorophenol-d3	40	29.47	74		20	120
			4-Chloroaniline-d4	40	29.74	74		1	146
			Dimethylphthalate-d6	40	30.49	76		25	130
			Acenaphthylene-d8	40	30.16	75		10	130
			4-Nitrophenol-d4	40	25.99	65		10	150
			Fluorene-d10	40	30.45	76		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.78	52		10	130
			Anthracene-d10	40	31.63	79		25	130
			Pyrene-d10	40	31.11	78		15	130
			Benzo(a)pyrene-d12	40	31.95	80		20	130
PB160290BS	PB160290BS	BN031097.D	1,4-Dioxane-d8	8	6.35	79		15	120
			Pyridine-d5	40	25.50	64		20	120
			Phenol-d5	40	27.19	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.90	67		25	120
			2-Chlorophenol-d4	40	27.21	68		20	130
			4-Methylphenol-d8	40	26.22	66		25	125
			Nitrobenzene-d5	40	27.11	68		20	125
			2-Nitrophenol-d4	40	27.83	70		20	130
			2,4-Dichlorophenol-d3	40	27.51	69		20	120
			4-Chloroaniline-d4	40	26.40	66		1	146
			Dimethylphthalate-d6	40	27.75	69		25	130
			Acenaphthylene-d8	40	27.75	69		10	130
			4-Nitrophenol-d4	40	28.42	71		10	150
			Fluorene-d10	40	27.90	70		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.76	64		10	130
			Anthracene-d10	40	27.01	68		25	130
			Pyrene-d10	40	27.50	69		15	130
			Benzo(a)pyrene-d12	40	28.97	72		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2053-04	YCST2	BN031078.D	1,4-Dioxane-d8	8	4.09	51		15	120
			Pyridine-d5	40	8.63	22		20	120
			Phenol-d5	40	6.10	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.78	77		25	120
			2-Chlorophenol-d4	40	23.41	59		20	130
			4-Methylphenol-d8	40	14.22	36		25	125
			Nitrobenzene-d5	40	32.53	81		20	125
			2-Nitrophenol-d4	40	31.74	79		20	130
			2,4-Dichlorophenol-d3	40	28.86	72		20	120
			4-Chloroaniline-d4	40	26.79	67		1	146
			Dimethylphthalate-d6	40	33.05	83		25	130
			Acenaphthylene-d8	40	33.28	83		10	130
			4-Nitrophenol-d4	40	5.24	13		10	150
			Fluorene-d10	40	34.34	86		25	125
			4,6-Dinitro-2-methylphenol-d2	40	24.73	62		10	130
			Anthracene-d10	40	36.09	90		25	130
			Pyrene-d10	40	35.68	89		15	130
			Benzo(a)pyrene-d12	40	35.53	89		20	130
P2053-05	YCSS4	BN031079.D	1,4-Dioxane-d8	8	4.78	60		15	120
			Pyridine-d5	40	9.06	23		20	120
			Phenol-d5	40	6.39	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.34	76		25	120
			2-Chlorophenol-d4	40	23.62	59		20	130
			4-Methylphenol-d8	40	15.20	38		25	125
			Nitrobenzene-d5	40	31.27	78		20	125
			2-Nitrophenol-d4	40	29.98	75		20	130
			2,4-Dichlorophenol-d3	40	27.36	68		20	120
			4-Chloroaniline-d4	40	26.55	66		1	146
			Dimethylphthalate-d6	40	31.58	79		25	130
			Acenaphthylene-d8	40	31.55	79		10	130
			4-Nitrophenol-d4	40	5.21	13		10	150
			Fluorene-d10	40	32.99	82		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.00	63		10	130
			Anthracene-d10	40	35.96	90		25	130
			Pyrene-d10	40	36.28	91		15	130
			Benzo(a)pyrene-d12	40	39.49	99		20	130
P2053-06	YCSS5	BN031080.D	1,4-Dioxane-d8	8	4.42	55		15	120
			Pyridine-d5	40	7.66	19	*	20	120
			Phenol-d5	40	6.16	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.49	76		25	120
			2-Chlorophenol-d4	40	23.29	58		20	130
			4-Methylphenol-d8	40	13.69	34		25	125
			Nitrobenzene-d5	40	32.41	81		20	125
			2-Nitrophenol-d4	40	31.21	78		20	130
			2,4-Dichlorophenol-d3	40	28.18	70		20	120
			4-Chloroaniline-d4	40	24.74	62		1	146
			Dimethylphthalate-d6	40	31.56	79		25	130
			Acenaphthylene-d8	40	31.98	80		10	130
			4-Nitrophenol-d4	40	5.24	13		10	150

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2053-06	YCSS5	BN031080.D	Fluorene-d10	40	32.81	82		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.57	64		10	130
			Anthracene-d10	40	33.65	84		25	130
			Pyrene-d10	40	34.51	86		15	130
			Benzo(a)pyrene-d12	40	35.85	90		20	130
P2053-07	YCST3	BN031081.D	1,4-Dioxane-d8	8	4.43	55		15	120
			Pyridine-d5	40	5.43	14	*	20	120
			Phenol-d5	40	6.05	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.56	76		25	120
			2-Chlorophenol-d4	40	23.30	58		20	130
			4-Methylphenol-d8	40	14.05	35		25	125
			Nitrobenzene-d5	40	31.40	79		20	125
			2-Nitrophenol-d4	40	30.12	75		20	130
			2,4-Dichlorophenol-d3	40	27.17	68		20	120
			4-Chloroaniline-d4	40	22.18	55		1	146
			Dimethylphthalate-d6	40	31.12	78		25	130
			Acenaphthylene-d8	40	31.63	79		10	130
			4-Nitrophenol-d4	40	4.96	12		10	150
			Fluorene-d10	40	32.31	81		25	125
			4,6-Dinitro-2-methylphenol-d2	40	24.55	61		10	130
			Anthracene-d10	40	33.23	83		25	130
			Pyrene-d10	40	32.24	81		15	130
			Benzo(a)pyrene-d12	40	33.73	84		20	130
P2077-12	C0AL9	BN031086.D	1,4-Dioxane-d8	8	3.84	48		15	120
			Pyridine-d5	40	8.26	21		20	120
			Phenol-d5	40	6.25	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.21	83		25	120
			2-Chlorophenol-d4	40	25.33	63		20	130
			4-Methylphenol-d8	40	15.44	39		25	125
			Nitrobenzene-d5	40	34.72	87		20	125
			2-Nitrophenol-d4	40	31.64	79		20	130
			2,4-Dichlorophenol-d3	40	29.91	75		20	120
			4-Chloroaniline-d4	40	29.19	73		1	146
			Dimethylphthalate-d6	40	35.59	89		25	130
			Acenaphthylene-d8	40	35.75	89		10	130
			4-Nitrophenol-d4	40	4.71	12		10	150
			Fluorene-d10	40	37.32	93		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.40	51		10	130
			Anthracene-d10	40	37.64	94		25	130
			Pyrene-d10	40	36.36	91		15	130
			Benzo(a)pyrene-d12	40	38.46	96		20	130
PB160292BL	PB160292BL	BN031084.D	Pyridine-d5	40	26.73	67		20	120
			1,4-Dioxane-d8	8	4.84	60		15	120
			Phenol-d5	40	26.38	66		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.62	69		25	120
			2-Chlorophenol-d4	40	27.18	68		20	130
			4-Methylphenol-d8	40	26.45	66		25	125
			Nitrobenzene-d5	40	27.47	69		20	125
			2-Nitrophenol-d4	40	27.79	69		20	130

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160292BL	PB160292BL	BN031084.D	2,4-Dichlorophenol-d3	40	26.50	66		20	120
			4-Chloroaniline-d4	40	26.92	67		1	146
			Dimethylphthalate-d6	40	28.03	70		25	130
			Acenaphthylene-d8	40	27.39	68		10	130
			4-Nitrophenol-d4	40	23.80	60		10	150
			Fluorene-d10	40	28.25	71		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.49	51		10	130
			Anthracene-d10	40	28.87	72		25	130
			Pyrene-d10	40	28.67	72		15	130
			Benzo(a)pyrene-d12	40	29.16	73		20	130
PB160292BS	PB160292BS	BN031096.D	1,4-Dioxane-d8	8	6.19	77		15	120
			Pyridine-d5	40	24.67	62		20	120
			Phenol-d5	40	27.55	69		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.87	67		25	120
			2-Chlorophenol-d4	40	27.45	69		20	130
			4-Methylphenol-d8	40	26.15	65		25	125
			Nitrobenzene-d5	40	26.64	67		20	125
			2-Nitrophenol-d4	40	27.26	68		20	130
			2,4-Dichlorophenol-d3	40	27.61	69		20	120
			4-Chloroaniline-d4	40	25.86	65		1	146
			Dimethylphthalate-d6	40	26.38	66		25	130
			Acenaphthylene-d8	40	27.63	69		10	130
			4-Nitrophenol-d4	40	28.19	70		10	150
			Fluorene-d10	40	27.47	69		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.59	64		10	130
			Anthracene-d10	40	27.69	69		25	130
			Pyrene-d10	40	28.41	71		15	130
			Benzo(a)pyrene-d12	40	28.29	71		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2117-02	E0MG8	BN031073.D	1,4-Dioxane-d8	8	3.78	47		15	120
			Pyridine-d5	40	8.70	22		20	120
			Phenol-d5	40	7.02	18		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.72	72		25	120
			2-Chlorophenol-d4	40	24.16	60		20	130
			4-Methylphenol-d8	40	16.16	40		25	125
			Nitrobenzene-d5	40	29.26	73		20	125
			2-Nitrophenol-d4	40	28.31	71		20	130
			2,4-Dichlorophenol-d3	40	27.52	69		20	120
			4-Chloroaniline-d4	40	19.47	49		1	146
			Dimethylphthalate-d6	40	30.25	76		25	130
			Acenaphthylene-d8	40	30.44	76		10	130
			4-Nitrophenol-d4	40	4.90	12		10	150
			Fluorene-d10	40	31.37	78		25	125
			4,6-Dinitro-2-methylphenol-d2	40	18.82	47		10	130
			Anthracene-d10	40	32.39	81		25	130
			Pyrene-d10	40	32.49	81		15	130
			Benzo(a)pyrene-d12	40	34.98	87		20	130
P2117-03	E0MG9	BN031074.D	1,4-Dioxane-d8	8	3.18	40		15	120
			Pyridine-d5	40	8.00	20		20	120
			Phenol-d5	40	5.71	14		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.77	52		25	120
			2-Chlorophenol-d4	40	16.77	42		20	130
			4-Methylphenol-d8	40	11.97	30		25	125
			Nitrobenzene-d5	40	20.24	51		20	125
			2-Nitrophenol-d4	40	18.81	47		20	130
			2,4-Dichlorophenol-d3	40	20.00	50		20	120
			4-Chloroaniline-d4	40	18.87	47		1	146
			Dimethylphthalate-d6	40	24.27	61		25	130
			Acenaphthylene-d8	40	23.39	58		10	130
			4-Nitrophenol-d4	40	4.71	12		10	150
			Fluorene-d10	40	24.92	62		25	125
			4,6-Dinitro-2-methylphenol-d2	40	14.74	37		10	130
			Anthracene-d10	40	26.05	65		25	130
			Pyrene-d10	40	25.90	65		15	130
			Benzo(a)pyrene-d12	40	26.95	67		20	130
P2117-05	E0MH1	BN031075.D	1,4-Dioxane-d8	8	3.41	43		15	120
			Pyridine-d5	40	8.95	22		20	120
			Phenol-d5	40	6.37	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	20.62	52		25	120
			2-Chlorophenol-d4	40	17.43	44		20	130
			4-Methylphenol-d8	40	13.19	33		25	125
			Nitrobenzene-d5	40	20.57	51		20	125
			2-Nitrophenol-d4	40	19.89	50		20	130
			2,4-Dichlorophenol-d3	40	20.69	52		20	120
			4-Chloroaniline-d4	40	20.59	51		1	146
			Dimethylphthalate-d6	40	24.63	62		25	130
			Acenaphthylene-d8	40	23.41	59		10	130
			4-Nitrophenol-d4	40	5.87	15		10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2117-05	E0MH1	BN031075.D	Fluorene-d10	40	24.43	61		25	125
			4,6-Dinitro-2-methylphenol-d2	40	17.02	43		10	130
			Anthracene-d10	40	25.30	63		25	130
			Pyrene-d10	40	25.56	64		15	130
			Benzo(a)pyrene-d12	40	26.07	65		20	130
P2117-06	E0MH2	BN031076.D	1,4-Dioxane-d8	8	3.75	47		15	120
			Pyridine-d5	40	7.54	19	*	20	120
			Phenol-d5	40	6.24	16		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.41	54		25	120
			2-Chlorophenol-d4	40	18.16	45		20	130
			4-Methylphenol-d8	40	13.48	34		25	125
			Nitrobenzene-d5	40	22.34	56		20	125
			2-Nitrophenol-d4	40	21.39	53		20	130
			2,4-Dichlorophenol-d3	40	22.29	56		20	120
			4-Chloroaniline-d4	40	19.73	49		1	146
			Dimethylphthalate-d6	40	25.46	64		25	130
			Acenaphthylene-d8	40	25.31	63		10	130
			4-Nitrophenol-d4	40	5.61	14		10	150
			Fluorene-d10	40	26.00	65		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.05	48		10	130
			Anthracene-d10	40	26.35	66		25	130
			Pyrene-d10	40	26.44	66		15	130
			Benzo(a)pyrene-d12	40	27.58	69		20	130
P2117-07	E0MH3	BN031077.D	1,4-Dioxane-d8	8	4.30	54		15	120
			Pyridine-d5	40	6.72	17	*	20	120
			Phenol-d5	40	6.67	17		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.38	66		25	120
			2-Chlorophenol-d4	40	21.33	53		20	130
			4-Methylphenol-d8	40	15.18	38		25	125
			Nitrobenzene-d5	40	27.03	68		20	125
			2-Nitrophenol-d4	40	25.22	63		20	130
			2,4-Dichlorophenol-d3	40	25.02	63		20	120
			4-Chloroaniline-d4	40	23.17	58		1	146
			Dimethylphthalate-d6	40	30.20	75		25	130
			Acenaphthylene-d8	40	29.38	73		10	130
			4-Nitrophenol-d4	40	5.82	15		10	150
			Fluorene-d10	40	29.87	75		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.72	52		10	130
			Anthracene-d10	40	30.75	77		25	130
			Pyrene-d10	40	30.98	77		15	130
			Benzo(a)pyrene-d12	40	33.46	84		20	130
PB160332BS	PB160332BS	BN031082.D	Pyridine-d5	40	26.41	66		20	120
			1,4-Dioxane-d8	8	6.41	80		15	120
			Phenol-d5	40	29.37	73		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.96	72		25	120
			2-Chlorophenol-d4	40	29.53	74		20	130
			4-Methylphenol-d8	40	28.42	71		25	125
			Nitrobenzene-d5	40	29.38	73		20	125
			2-Nitrophenol-d4	40	29.50	74		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160332BS	PB160332BS	BN031082.D	2,4-Dichlorophenol-d3	40	29.89	75		20	120
			4-Chloroaniline-d4	40	26.80	67		1	146
			Dimethylphthalate-d6	40	29.27	73		25	130
			Acenaphthylene-d8	40	29.56	74		10	130
			4-Nitrophenol-d4	40	30.15	75		10	150
			Fluorene-d10	40	29.03	73		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.69	69		10	130
			Anthracene-d10	40	28.82	72		25	130
			Pyrene-d10	40	29.72	74		15	130
			Benzo(a)pyrene-d12	40	30.37	76		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-01	C0RB6	BN031059.D	1,4-Dioxane-d8	8	3.23	40		15	120
			Pyridine-d5	40	2.58	6	*	20	120
			Phenol-d5	40	4.00	10		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.90	67		25	120
			2-Chlorophenol-d4	40	16.76	42		20	130
			4-Methylphenol-d8	40	9.16	23	*	25	125
			Nitrobenzene-d5	40	28.40	71		20	125
			2-Nitrophenol-d4	40	21.99	55		20	130
			2,4-Dichlorophenol-d3	40	20.65	52		20	120
			4-Chloroaniline-d4	40	16.38	41		1	146
			Dimethylphthalate-d6	40	30.19	75		25	130
			Acenaphthylene-d8	40	30.42	76		10	130
			4-Nitrophenol-d4	40	3.25	8	*	10	150
			Fluorene-d10	40	31.23	78		25	125
			4,6-Dinitro-2-methylphenol-d2	40	17.24	43		10	130
			Anthracene-d10	40	32.95	82		25	130
			Pyrene-d10	40	31.05	78		15	130
			Benzo(a)pyrene-d12	40	33.73	84		20	130
P2159-02	C0RC1	BN031060.D	1,4-Dioxane-d8	8	3.07	38		15	120
			Pyridine-d5	40	5.68	14	*	20	120
			Phenol-d5	40	5.37	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.12	75		25	120
			2-Chlorophenol-d4	40	22.23	56		20	130
			4-Methylphenol-d8	40	13.40	33		25	125
			Nitrobenzene-d5	40	31.09	78		20	125
			2-Nitrophenol-d4	40	30.36	76		20	130
			2,4-Dichlorophenol-d3	40	26.74	67		20	120
			4-Chloroaniline-d4	40	22.04	55		1	146
			Dimethylphthalate-d6	40	31.18	78		25	130
			Acenaphthylene-d8	40	31.50	79		10	130
			4-Nitrophenol-d4	40	4.42	11		10	150
			Fluorene-d10	40	31.72	79		25	125
			4,6-Dinitro-2-methylphenol-d2	40	23.15	58		10	130
			Anthracene-d10	40	32.36	81		25	130
			Pyrene-d10	40	32.10	80		15	130
			Benzo(a)pyrene-d12	40	33.71	84		20	130
P2159-03	C0RC4	BN031061.D	1,4-Dioxane-d8	8	3.47	43		15	120
			Pyridine-d5	40	8.61	22		20	120
			Phenol-d5	40	5.24	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.90	75		25	120
			2-Chlorophenol-d4	40	22.33	56		20	130
			4-Methylphenol-d8	40	11.90	30		25	125
			Nitrobenzene-d5	40	32.05	80		20	125
			2-Nitrophenol-d4	40	30.59	76		20	130
			2,4-Dichlorophenol-d3	40	26.76	67		20	120
			4-Chloroaniline-d4	40	13.83	35		1	146
			Dimethylphthalate-d6	40	32.33	81		25	130
			Acenaphthylene-d8	40	30.27	76		10	130
			4-Nitrophenol-d4	40	4.32	11		10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-03	C0RC4	BN031061.D	Fluorene-d10	40	33.24	83		25	125
			4,6-Dinitro-2-methylphenol-d2	40	18.03	45		10	130
			Anthracene-d10	40	33.00	83		25	130
			Pyrene-d10	40	32.65	82		15	130
			Benzo(a)pyrene-d12	40	32.68	82		20	130
P2159-04	MC0R80	BN031062.D	1,4-Dioxane-d8	8	4.09	51		15	120
			Pyridine-d5	40	6.83	17	*	20	120
			Phenol-d5	40	5.61	14		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.89	85		25	120
			2-Chlorophenol-d4	40	24.63	62		20	130
			4-Methylphenol-d8	40	14.31	36		25	125
			Nitrobenzene-d5	40	35.35	88		20	125
			2-Nitrophenol-d4	40	32.78	82		20	130
			2,4-Dichlorophenol-d3	40	29.55	74		20	120
			4-Chloroaniline-d4	40	27.47	69		1	146
			Dimethylphthalate-d6	40	36.20	91		25	130
			Acenaphthylene-d8	40	35.56	89		10	130
			4-Nitrophenol-d4	40	4.32	11		10	150
			Fluorene-d10	40	36.93	92		25	125
			4,6-Dinitro-2-methylphenol-d2	40	22.19	55		10	130
			Anthracene-d10	40	37.64	94		25	130
			Pyrene-d10	40	35.83	90		15	130
			Benzo(a)pyrene-d12	40	37.85	95		20	130
P2159-05	C0RD8	BN031063.D	1,4-Dioxane-d8	8	3.29	41		15	120
			Pyridine-d5	40	7.17	18	*	20	120
			Phenol-d5	40	4.09	10		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.52	69		25	120
			2-Chlorophenol-d4	40	18.95	47		20	130
			4-Methylphenol-d8	40	10.37	26		25	125
			Nitrobenzene-d5	40	28.11	70		20	125
			2-Nitrophenol-d4	40	25.43	64		20	130
			2,4-Dichlorophenol-d3	40	23.17	58		20	120
			4-Chloroaniline-d4	40	19.51	49		1	146
			Dimethylphthalate-d6	40	29.71	74		25	130
			Acenaphthylene-d8	40	28.78	72		10	130
			4-Nitrophenol-d4	40	3.49	9	*	10	150
			Fluorene-d10	40	29.63	74		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.21	53		10	130
			Anthracene-d10	40	33.30	83		25	130
			Pyrene-d10	40	31.47	79		15	130
			Benzo(a)pyrene-d12	40	32.99	82		20	130
P2159-06	C0RE3	BN031064.D	1,4-Dioxane-d8	8	3.49	44		15	120
			Pyridine-d5	40	7.84	20		20	120
			Phenol-d5	40	5.04	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	34.73	87		25	120
			2-Chlorophenol-d4	40	23.58	59		20	130
			4-Methylphenol-d8	40	12.01	30		25	125
			Nitrobenzene-d5	40	35.95	90		20	125
			2-Nitrophenol-d4	40	31.64	79		20	130

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-06	C0RE3	BN031064.D	2,4-Dichlorophenol-d3	40	28.20	71		20	120
			4-Chloroaniline-d4	40	26.15	65		1	146
			Dimethylphthalate-d6	40	37.02	93		25	130
			Acenaphthylene-d8	40	36.23	91		10	130
			4-Nitrophenol-d4	40	3.70	9	*	10	150
			Fluorene-d10	40	37.64	94		25	125
			4,6-Dinitro-2-methylphenol-d2	40	26.09	65		10	130
			Anthracene-d10	40	38.94	97		25	130
			Pyrene-d10	40	37.67	94		15	130
			Benzo(a)pyrene-d12	40	39.11	98		20	130
PB160347BL	PB160347BL	BN031055.D	1,4-Dioxane-d8	8	4.50	56		15	120
			Pyridine-d5	40	17.35	43		20	120
			Phenol-d5	40	21.11	53		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.95	55		25	120
			2-Chlorophenol-d4	40	21.79	54		20	130
			4-Methylphenol-d8	40	21.01	53		25	125
			Nitrobenzene-d5	40	22.77	57		20	125
			2-Nitrophenol-d4	40	22.26	56		20	130
			2,4-Dichlorophenol-d3	40	20.95	52		20	120
			4-Chloroaniline-d4	40	18.36	46		1	146
			Dimethylphthalate-d6	40	26.12	65		25	130
			Acenaphthylene-d8	40	24.85	62		10	130
			4-Nitrophenol-d4	40	21.82	55		10	150
			Fluorene-d10	40	25.73	64		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.34	48		10	130
			Anthracene-d10	40	25.95	65		25	130
			Pyrene-d10	40	24.60	62		15	130
			Benzo(a)pyrene-d12	40	25.60	64		20	130
PB160347BS	PB160347BS	BN031111.D	1,4-Dioxane-d8	8	7.21	90		15	120
			Pyridine-d5	40	27.85	70		20	120
			Phenol-d5	40	32.96	82		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.47	81		25	120
			2-Chlorophenol-d4	40	33.11	83		20	130
			4-Methylphenol-d8	40	32.38	81		25	125
			Nitrobenzene-d5	40	33.77	84		20	125
			2-Nitrophenol-d4	40	34.25	86		20	130
			2,4-Dichlorophenol-d3	40	34.65	87		20	120
			4-Chloroaniline-d4	40	25.76	64		1	146
			Dimethylphthalate-d6	40	33.12	83		25	130
			Acenaphthylene-d8	40	33.75	84		10	130
			4-Nitrophenol-d4	40	33.57	84		10	150
			Fluorene-d10	40	33.11	83		25	125
			4,6-Dinitro-2-methylphenol-d2	40	32.22	81		10	130
			Anthracene-d10	40	34.00	85		25	130
			Pyrene-d10	40	34.10	85		15	130
			Benzo(a)pyrene-d12	40	35.12	88		20	130

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-07	C0RJ6	BN031070.D	1,4-Dioxane-d8	8	3.19	40		15	120
			Pyridine-d5	40	3.53	9	*	20	120
			Phenol-d5	40	4.33	11		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.62	72		25	120
			2-Chlorophenol-d4	40	19.82	50		20	130
			4-Methylphenol-d8	40	11.03	28		25	125
			Nitrobenzene-d5	40	28.24	71		20	125
			2-Nitrophenol-d4	40	25.77	64		20	130
			2,4-Dichlorophenol-d3	40	23.25	58		20	120
			4-Chloroaniline-d4	40	17.35	43		1	146
			Dimethylphthalate-d6	40	29.12	73		25	130
			Acenaphthylene-d8	40	29.41	74		10	130
			4-Nitrophenol-d4	40	3.06	8	*	10	150
			Fluorene-d10	40	30.36	76		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.54	49		10	130
			Anthracene-d10	40	32.60	82		25	130
			Pyrene-d10	40	32.53	81		15	130
			Benzo(a)pyrene-d12	40	32.73	82		20	130
P2159-08	C0RJ7	BN031065.D	Pyridine-d5	40	6.41	16	*	20	120
			1,4-Dioxane-d8	8	3.03	38		15	120
			Phenol-d5	40	5.71	14		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.20	80		25	120
			2-Chlorophenol-d4	40	24.14	60		20	130
			4-Methylphenol-d8	40	14.19	35		25	125
			Nitrobenzene-d5	40	33.39	83		20	125
			2-Nitrophenol-d4	40	31.92	80		20	130
			2,4-Dichlorophenol-d3	40	28.24	71		20	120
			4-Chloroaniline-d4	40	16.92	42		1	146
			Dimethylphthalate-d6	40	35.00	88		25	130
			Acenaphthylene-d8	40	34.39	86		10	130
			4-Nitrophenol-d4	40	5.18	13		10	150
			Fluorene-d10	40	34.99	87		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.16	68		10	130
			Anthracene-d10	40	35.91	90		25	130
			Pyrene-d10	40	35.48	89		15	130
			Benzo(a)pyrene-d12	40	36.58	91		20	130
P2159-09	C0R92	BN031066.D	1,4-Dioxane-d8	8	3.23	40		15	120
			Pyridine-d5	40	3.76	9	*	20	120
			Phenol-d5	40	4.90	12		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.95	77		25	120
			2-Chlorophenol-d4	40	21.74	54		20	130
			4-Methylphenol-d8	40	12.31	31		25	125
			Nitrobenzene-d5	40	31.44	79		20	125
			2-Nitrophenol-d4	40	28.75	72		20	130
			2,4-Dichlorophenol-d3	40	26.21	66		20	120
			4-Chloroaniline-d4	40	21.33	53		1	146
			Dimethylphthalate-d6	40	31.86	80		25	130
			Acenaphthylene-d8	40	32.37	81		10	130
			4-Nitrophenol-d4	40	3.37	8	*	10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-09	C0R92	BN031066.D	Fluorene-d10	40	33.19	83		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.19	53		10	130
			Anthracene-d10	40	33.18	83		25	130
			Pyrene-d10	40	33.79	84		15	130
			Benzo(a)pyrene-d12	40	34.87	87		20	130
P2159-10	C0RA5	BN031067.D	1,4-Dioxane-d8	8	3.20	40		15	120
			Pyridine-d5	40	3.60	9	*	20	120
			Phenol-d5	40	4.43	11		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.90	72		25	120
			2-Chlorophenol-d4	40	20.64	52		20	130
			4-Methylphenol-d8	40	11.71	29		25	125
			Nitrobenzene-d5	40	29.43	74		20	125
			2-Nitrophenol-d4	40	27.51	69		20	130
			2,4-Dichlorophenol-d3	40	24.71	62		20	120
			4-Chloroaniline-d4	40	21.00	53		1	146
			Dimethylphthalate-d6	40	30.49	76		25	130
			Acenaphthylene-d8	40	31.10	78		10	130
			4-Nitrophenol-d4	40	3.42	9	*	10	150
			Fluorene-d10	40	31.62	79		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.00	52		10	130
			Anthracene-d10	40	33.80	84		25	130
			Pyrene-d10	40	30.85	77		15	130
			Benzo(a)pyrene-d12	40	32.94	82		20	130
P2159-11	C0RC0	BN031072.D	1,4-Dioxane-d8	8	3.52	44		15	120
			Pyridine-d5	40	6.60	16	*	20	120
			Phenol-d5	40	5.38	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	33.07	83		25	120
			2-Chlorophenol-d4	40	24.29	61		20	130
			4-Methylphenol-d8	40	13.49	34		25	125
			Nitrobenzene-d5	40	34.54	86		20	125
			2-Nitrophenol-d4	40	33.36	83		20	130
			2,4-Dichlorophenol-d3	40	29.47	74		20	120
			4-Chloroaniline-d4	40	25.56	64		1	146
			Dimethylphthalate-d6	40	34.56	86		25	130
			Acenaphthylene-d8	40	34.90	87		10	130
			4-Nitrophenol-d4	40	4.50	11		10	150
			Fluorene-d10	40	35.49	89		25	125
			4,6-Dinitro-2-methylphenol-d2	40	25.92	65		10	130
			Anthracene-d10	40	36.99	92		25	130
			Pyrene-d10	40	36.38	91		15	130
			Benzo(a)pyrene-d12	40	37.67	94		20	130
P2159-12	C0RD3	BN031071.D	Pyridine-d5	40	11.74	29		20	120
			1,4-Dioxane-d8	8	3.94	49		15	120
			Phenol-d5	40	5.97	15		10	130
			Bis(2-Chloroethyl)ether-d8	40	36.18	90		25	120
			2-Chlorophenol-d4	40	26.06	65		20	130
			4-Methylphenol-d8	40	15.05	38		25	125
			Nitrobenzene-d5	40	35.51	89		20	125
			2-Nitrophenol-d4	40	34.21	86		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-12	C0RD3	BN031071.D	2,4-Dichlorophenol-d3	40	30.12	75		20	120
			4-Chloroaniline-d4	40	25.66	64		1	146
			Dimethylphthalate-d6	40	37.66	94		25	130
			Acenaphthylene-d8	40	37.41	94		10	130
			4-Nitrophenol-d4	40	5.21	13		10	150
			Fluorene-d10	40	38.77	97		25	125
			4,6-Dinitro-2-methylphenol-d2	40	28.18	70		10	130
			Anthracene-d10	40	38.94	97		25	130
			Pyrene-d10	40	37.03	93		15	130
			Benzo(a)pyrene-d12	40	38.80	97		20	130
PB160348BL	PB160348BL	BN031058.D	Pyridine-d5	40	23.83	60		20	120
			1,4-Dioxane-d8	8	5.85	73		15	120
			Phenol-d5	40	30.33	76		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.43	79		25	120
			2-Chlorophenol-d4	40	31.48	79		20	130
			4-Methylphenol-d8	40	29.68	74		25	125
			Nitrobenzene-d5	40	32.47	81		20	125
			2-Nitrophenol-d4	40	32.13	80		20	130
			2,4-Dichlorophenol-d3	40	30.93	77		20	120
			4-Chloroaniline-d4	40	25.73	64		1	146
			Dimethylphthalate-d6	40	36.68	92		25	130
			Acenaphthylene-d8	40	36.06	90		10	130
			4-Nitrophenol-d4	40	30.93	77		10	150
			Fluorene-d10	40	37.08	93		25	125
			4,6-Dinitro-2-methylphenol-d2	40	24.50	61		10	130
			Anthracene-d10	40	37.08	93		25	130
			Pyrene-d10	40	34.06	85		15	130
			Benzo(a)pyrene-d12	40	37.83	95		20	130
PB160348BS	PB160348BS	BN031112.D	1,4-Dioxane-d8	8	6.85	86		15	120
			Pyridine-d5	40	25.22	63		20	120
			Phenol-d5	40	30.60	76		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.77	74		25	120
			2-Chlorophenol-d4	40	30.76	77		20	130
			4-Methylphenol-d8	40	29.36	73		25	125
			Nitrobenzene-d5	40	31.64	79		20	125
			2-Nitrophenol-d4	40	32.69	82		20	130
			2,4-Dichlorophenol-d3	40	31.31	78		20	120
			4-Chloroaniline-d4	40	23.34	58		1	146
			Dimethylphthalate-d6	40	30.87	77		25	130
			Acenaphthylene-d8	40	31.26	78		10	130
			4-Nitrophenol-d4	40	31.87	80		10	150
			Fluorene-d10	40	30.88	77		25	125
			4,6-Dinitro-2-methylphenol-d2	40	30.56	76		10	130
			Anthracene-d10	40	30.90	77		25	130
			Pyrene-d10	40	32.53	81		15	130
			Benzo(a)pyrene-d12	40	32.90	82		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-13	C0R91	BN031092.D	1,4-Dioxane-d8	8	4.15	52		15	120
			Pyridine-d5	40	6.45	16	*	20	120
			Phenol-d5	40	7.01	18		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.18	73		25	120
			2-Chlorophenol-d4	40	23.02	58		20	130
			4-Methylphenol-d8	40	15.40	39		25	125
			Nitrobenzene-d5	40	29.31	73		20	125
			2-Nitrophenol-d4	40	26.98	67		20	130
			2,4-Dichlorophenol-d3	40	26.09	65		20	120
			4-Chloroaniline-d4	40	21.39	53		1	146
			Dimethylphthalate-d6	40	30.14	75		25	130
			Acenaphthylene-d8	40	30.25	76		10	130
			4-Nitrophenol-d4	40	5.57	14		10	150
			Fluorene-d10	40	30.73	77		25	125
			4,6-Dinitro-2-methylphenol-d2	40	21.61	54		10	130
			Anthracene-d10	40	33.95	85		25	130
			Pyrene-d10	40	32.74	82		15	130
			Benzo(a)pyrene-d12	40	34.25	86		20	130
P2159-14	C0RB0	BN031093.D	1,4-Dioxane-d8	8	3.30	41		15	120
			Pyridine-d5	40	5.89	15	*	20	120
			Phenol-d5	40	5.21	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.49	76		25	120
			2-Chlorophenol-d4	40	22.23	56		20	130
			4-Methylphenol-d8	40	12.78	32		25	125
			Nitrobenzene-d5	40	30.22	76		20	125
			2-Nitrophenol-d4	40	27.39	68		20	130
			2,4-Dichlorophenol-d3	40	25.69	64		20	120
			4-Chloroaniline-d4	40	19.30	48		1	146
			Dimethylphthalate-d6	40	31.39	78		25	130
			Acenaphthylene-d8	40	31.67	79		10	130
			4-Nitrophenol-d4	40	4.04	10		10	150
			Fluorene-d10	40	32.54	81		25	125
			4,6-Dinitro-2-methylphenol-d2	40	22.10	55		10	130
			Anthracene-d10	40	36.61	92		25	130
			Pyrene-d10	40	35.33	88		15	130
			Benzo(a)pyrene-d12	40	37.45	94		20	130
P2159-15	C0RD0	BN031094.D	1,4-Dioxane-d8	8	3.70	46		15	120
			Pyridine-d5	40	4.02	10	*	20	120
			Phenol-d5	40	5.38	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.57	81		25	120
			2-Chlorophenol-d4	40	23.93	60		20	130
			4-Methylphenol-d8	40	13.61	34		25	125
			Nitrobenzene-d5	40	31.26	78		20	125
			2-Nitrophenol-d4	40	29.95	75		20	130
			2,4-Dichlorophenol-d3	40	27.01	68		20	120
			4-Chloroaniline-d4	40	19.11	48		1	146
			Dimethylphthalate-d6	40	32.80	82		25	130
			Acenaphthylene-d8	40	33.74	84		10	130
			4-Nitrophenol-d4	40	4.26	11		10	150

CHEMTECH
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-15	C0RD0	BN031094.D	Fluorene-d10	40	34.92	87		25	125
			4,6-Dinitro-2-methylphenol-d2	40	23.19	58		10	130
			Anthracene-d10	40	35.44	89		25	130
			Pyrene-d10	40	33.17	83		15	130
			Benzo(a)pyrene-d12	40	35.34	88		20	130
P2159-16	C0RE1	BN031095.D	1,4-Dioxane-d8	8	5.58	70		15	120
			Pyridine-d5	40	10.40	26		20	120
			Phenol-d5	40	8.05	20		10	130
			Bis(2-Chloroethyl)ether-d8	40	49.95	125	*	25	120
			2-Chlorophenol-d4	40	36.67	92		20	130
			4-Methylphenol-d8	40	19.11	48		25	125
			Nitrobenzene-d5	40	37.92	95		20	125
			2-Nitrophenol-d4	40	37.55	94		20	130
			2,4-Dichlorophenol-d3	40	30.79	77		20	120
			4-Chloroaniline-d4	40	26.71	67		1	146
			Dimethylphthalate-d6	40	35.51	89		25	130
			Acenaphthylene-d8	40	37.23	93		10	130
			4-Nitrophenol-d4	40	4.79	12		10	150
			Fluorene-d10	40	37.13	93		25	125
			4,6-Dinitro-2-methylphenol-d2	40	27.09	68		10	130
			Anthracene-d10	40	37.17	93		25	130
			Pyrene-d10	40	35.85	90		15	130
			Benzo(a)pyrene-d12	40	37.64	94		20	130
P2159-17	C0RB1	BN031101.D	1,4-Dioxane-d8	8	2.59	32		15	120
			Pyridine-d5	40	5.42	14	*	20	120
			Phenol-d5	40	3.99	10		10	130
			Bis(2-Chloroethyl)ether-d8	40	25.04	63		25	120
			2-Chlorophenol-d4	40	17.57	44		20	130
			4-Methylphenol-d8	40	9.98	25		25	125
			Nitrobenzene-d5	40	25.01	63		20	125
			2-Nitrophenol-d4	40	23.50	59		20	130
			2,4-Dichlorophenol-d3	40	21.46	54		20	120
			4-Chloroaniline-d4	40	18.41	46		1	146
			Dimethylphthalate-d6	40	26.24	66		25	130
			Acenaphthylene-d8	40	26.23	66		10	130
			4-Nitrophenol-d4	40	2.98	7	*	10	150
			Fluorene-d10	40	27.22	68		25	125
			4,6-Dinitro-2-methylphenol-d2	40	18.99	47		10	130
			Anthracene-d10	40	31.59	79		25	130
			Pyrene-d10	40	30.98	77		15	130
			Benzo(a)pyrene-d12	40	31.37	78		20	130
P2159-18	C0RD5	BN031102.D	1,4-Dioxane-d8	8	2.41	30		15	120
			Pyridine-d5	40	5.28	13	*	20	120
			Phenol-d5	40	3.82	10		10	130
			Bis(2-Chloroethyl)ether-d8	40	23.66	59		25	120
			2-Chlorophenol-d4	40	17.25	43		20	130
			4-Methylphenol-d8	40	9.69	24	*	25	125
			Nitrobenzene-d5	40	23.94	60		20	125
			2-Nitrophenol-d4	40	22.60	57		20	130

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-18	C0RD5	BN031102.D	2,4-Dichlorophenol-d3	40	20.10	50		20	120
			4-Chloroaniline-d4	40	14.58	36		1	146
			Dimethylphthalate-d6	40	25.44	64		25	130
			Acenaphthylene-d8	40	24.92	62		10	130
			4-Nitrophenol-d4	40	3.03	8	*	10	150
			Fluorene-d10	40	25.95	65		25	125
			4,6-Dinitro-2-methylphenol-d2	40	19.56	49		10	130
			Anthracene-d10	40	29.71	74		25	130
			Pyrene-d10	40	28.42	71		15	130
			Benzo(a)pyrene-d12	40	29.20	73		20	130
PB160363BL	PB160363BL	BN031099.D	1,4-Dioxane-d8	8	6.18	77		15	120
			Pyridine-d5	40	23.24	58		20	120
			Phenol-d5	40	29.06	73		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.21	76		25	120
			2-Chlorophenol-d4	40	29.96	75		20	130
			4-Methylphenol-d8	40	28.77	72		25	125
			Nitrobenzene-d5	40	30.14	75		20	125
			2-Nitrophenol-d4	40	30.40	76		20	130
			2,4-Dichlorophenol-d3	40	29.15	73		20	120
			4-Chloroaniline-d4	40	21.38	53		1	146
			Dimethylphthalate-d6	40	30.58	76		25	130
			Acenaphthylene-d8	40	31.26	78		10	130
			4-Nitrophenol-d4	40	25.85	65		10	150
			Fluorene-d10	40	31.54	79		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.68	52		10	130
			Anthracene-d10	40	31.46	79		25	130
			Pyrene-d10	40	31.55	79		15	130
			Benzo(a)pyrene-d12	40	33.10	83		20	130
PB160363BS	PB160363BS	BN031109.D	1,4-Dioxane-d8	8	7.35	92		15	120
			Pyridine-d5	40	29.30	73		20	120
			Phenol-d5	40	31.01	78		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.45	76		25	120
			2-Chlorophenol-d4	40	31.36	78		20	130
			4-Methylphenol-d8	40	29.67	74		25	125
			Nitrobenzene-d5	40	32.08	80		20	125
			2-Nitrophenol-d4	40	31.41	79		20	130
			2,4-Dichlorophenol-d3	40	31.70	79		20	120
			4-Chloroaniline-d4	40	22.76	57		1	146
			Dimethylphthalate-d6	40	31.67	79		25	130
			Acenaphthylene-d8	40	32.23	81		10	130
			4-Nitrophenol-d4	40	32.63	82		10	150
			Fluorene-d10	40	31.91	80		25	125
			4,6-Dinitro-2-methylphenol-d2	40	29.83	75		10	130
			Anthracene-d10	40	32.27	81		25	130
			Pyrene-d10	40	32.28	81		15	130
			Benzo(a)pyrene-d12	40	33.70	84		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2159-19	C0RE0	BN031103.D	1,4-Dioxane-d8	8	3.81	48		15	120
			Pyridine-d5	40	9.48	24		20	120
			Phenol-d5	40	4.73	12		10	130
			Bis(2-Chloroethyl)ether-d8	40	31.99	80		25	120
			2-Chlorophenol-d4	40	22.69	57		20	130
			4-Methylphenol-d8	40	12.69	32		25	125
			Nitrobenzene-d5	40	31.24	78		20	125
			2-Nitrophenol-d4	40	30.37	76		20	130
			2,4-Dichlorophenol-d3	40	26.76	67		20	120
			4-Chloroaniline-d4	40	18.73	47		1	146
			Dimethylphthalate-d6	40	33.23	83		25	130
			Acenaphthylene-d8	40	33.78	84		10	130
			4-Nitrophenol-d4	40	4.21	11		10	150
			Fluorene-d10	40	34.54	86		25	125
			4,6-Dinitro-2-methylphenol-d2	40	26.07	65		10	130
			Anthracene-d10	40	35.63	89		25	130
			Pyrene-d10	40	35.06	88		15	130
			Benzo(a)pyrene-d12	40	36.70	92		20	130
P2159-20	C0RE2	BN031104.D	1,4-Dioxane-d8	8	3.17	40		15	120
			Pyridine-d5	40	3.86	10	*	20	120
			Phenol-d5	40	4.58	11		10	130
			Bis(2-Chloroethyl)ether-d8	40	27.52	69		25	120
			2-Chlorophenol-d4	40	20.56	51		20	130
			4-Methylphenol-d8	40	11.59	29		25	125
			Nitrobenzene-d5	40	28.20	71		20	125
			2-Nitrophenol-d4	40	27.35	68		20	130
			2,4-Dichlorophenol-d3	40	24.25	61		20	120
			4-Chloroaniline-d4	40	9.84	25		1	146
			Dimethylphthalate-d6	40	30.26	76		25	130
			Acenaphthylene-d8	40	30.17	75		10	130
			4-Nitrophenol-d4	40	4.66	12		10	150
			Fluorene-d10	40	30.79	77		25	125
			4,6-Dinitro-2-methylphenol-d2	40	26.04	65		10	130
			Anthracene-d10	40	33.06	83		25	130
			Pyrene-d10	40	31.94	80		15	130
			Benzo(a)pyrene-d12	40	33.89	85		20	130
P2161-01	C0RC3	BN031105.D	1,4-Dioxane-d8	8	3.53	44		15	120
			Pyridine-d5	40	1.65	4	*	20	120
			Phenol-d5	40	4.86	12		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.33	71		25	120
			2-Chlorophenol-d4	40	20.67	52		20	130
			4-Methylphenol-d8	40	11.98	30		25	125
			Nitrobenzene-d5	40	28.63	72		20	125
			2-Nitrophenol-d4	40	26.58	66		20	130
			2,4-Dichlorophenol-d3	40	24.37	61		20	120
			4-Chloroaniline-d4	40	6.92	17		1	146
			Dimethylphthalate-d6	40	29.43	74		25	130
			Acenaphthylene-d8	40	29.59	74		10	130
			4-Nitrophenol-d4	40	3.61	9	*	10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2161-01	C0RC3	BN031105.D	Fluorene-d10	40	30.45	76		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.96	52		10	130
			Anthracene-d10	40	34.47	86		25	130
			Pyrene-d10	40	32.80	82		15	130
			Benzo(a)pyrene-d12	40	33.69	84		20	130
P2161-02	C0RD2	BN031106.D	1,4-Dioxane-d8	8	5.34	67		15	120
			Pyridine-d5	40	2.80	7	*	20	120
			Phenol-d5	40	10.50	26		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.35	81		25	120
			2-Chlorophenol-d4	40	27.45	69		20	130
			4-Methylphenol-d8	40	19.75	49		25	125
			Nitrobenzene-d5	40	32.30	81		20	125
			2-Nitrophenol-d4	40	30.64	77		20	130
			2,4-Dichlorophenol-d3	40	29.84	75		20	120
			4-Chloroaniline-d4	40	3.84	10		1	146
			Dimethylphthalate-d6	40	33.61	84		25	130
			Acenaphthylene-d8	40	33.85	85		10	130
			4-Nitrophenol-d4	40	9.01	23		10	150
			Fluorene-d10	40	35.48	89		25	125
			4,6-Dinitro-2-methylphenol-d2	40	23.95	60		10	130
			Anthracene-d10	40	37.70	94		25	130
			Pyrene-d10	40	34.88	87		15	130
			Benzo(a)pyrene-d12	40	38.23	96		20	130
P2161-03	C0RD4	BN031107.D	1,4-Dioxane-d8	8	3.45	43		15	120
			Pyridine-d5	40	6.30	16	*	20	120
			Phenol-d5	40	5.02	13		10	130
			Bis(2-Chloroethyl)ether-d8	40	34.07	85		25	120
			2-Chlorophenol-d4	40	23.62	59		20	130
			4-Methylphenol-d8	40	13.03	33		25	125
			Nitrobenzene-d5	40	35.33	88		20	125
			2-Nitrophenol-d4	40	31.55	79		20	130
			2,4-Dichlorophenol-d3	40	29.60	74		20	120
			4-Chloroaniline-d4	40	17.72	44		1	146
			Dimethylphthalate-d6	40	36.91	92		25	130
			Acenaphthylene-d8	40	37.08	93		10	130
			4-Nitrophenol-d4	40	1.95	5	*	10	150
			Fluorene-d10	40	38.00	95		25	125
			4,6-Dinitro-2-methylphenol-d2	40	11.42	29		10	130
			Anthracene-d10	40	39.06	98		25	130
			Pyrene-d10	40	35.96	90		15	130
			Benzo(a)pyrene-d12	40	39.06	98		20	130
P2161-04	C0RJ9	BN031108.D	1,4-Dioxane-d8	8	2.81	35		15	120
			Pyridine-d5	40	5.07	13	*	20	120
			Phenol-d5	40	2.72	7	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	21.47	54		25	120
			2-Chlorophenol-d4	40	13.48	34		20	130
			4-Methylphenol-d8	40	6.89	17	*	25	125
			Nitrobenzene-d5	40	21.36	53		20	125
			2-Nitrophenol-d4	40	18.84	47		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2161-04	C0RJ9	BN031108.D	2,4-Dichlorophenol-d3	40	17.52	44		20	120
			4-Chloroaniline-d4	40	18.19	45		1	146
			Dimethylphthalate-d6	40	23.34	58		25	130
			Acenaphthylene-d8	40	21.78	54		10	130
			4-Nitrophenol-d4	40	1.70	4	*	10	150
			Fluorene-d10	40	22.75	57		25	125
			4,6-Dinitro-2-methylphenol-d2	40	12.46	31		10	130
			Anthracene-d10	40	23.54	59		25	130
			Pyrene-d10	40	21.82	55		15	130
			Benzo(a)pyrene-d12	40	23.11	58		20	130
PB160364BL	PB160364BL	BN031100.D	1,4-Dioxane-d8	8	5.47	68		15	120
			Pyridine-d5	40	20.91	52		20	120
			Phenol-d5	40	27.12	68		10	130
			Bis(2-Chloroethyl)ether-d8	40	28.30	71		25	120
			2-Chlorophenol-d4	40	27.84	70		20	130
			4-Methylphenol-d8	40	26.70	67		25	125
			Nitrobenzene-d5	40	28.13	70		20	125
			2-Nitrophenol-d4	40	27.82	70		20	130
			2,4-Dichlorophenol-d3	40	26.70	67		20	120
			4-Chloroaniline-d4	40	19.54	49		1	146
			Dimethylphthalate-d6	40	27.98	70		25	130
			Acenaphthylene-d8	40	28.86	72		10	130
			4-Nitrophenol-d4	40	24.74	62		10	150
			Fluorene-d10	40	28.80	72		25	125
			4,6-Dinitro-2-methylphenol-d2	40	20.67	52		10	130
			Anthracene-d10	40	29.56	74		25	130
			Pyrene-d10	40	28.94	72		15	130
			Benzo(a)pyrene-d12	40	29.51	74		20	130
PB160364BS	PB160364BS	BN031110.D	1,4-Dioxane-d8	8	7.80	98		15	120
			Pyridine-d5	40	31.18	78		20	120
			Phenol-d5	40	32.76	82		10	130
			Bis(2-Chloroethyl)ether-d8	40	32.09	80		25	120
			2-Chlorophenol-d4	40	33.06	83		20	130
			4-Methylphenol-d8	40	31.90	80		25	125
			Nitrobenzene-d5	40	32.62	82		20	125
			2-Nitrophenol-d4	40	33.19	83		20	130
			2,4-Dichlorophenol-d3	40	33.35	83		20	120
			4-Chloroaniline-d4	40	23.74	59		1	146
			Dimethylphthalate-d6	40	32.20	81		25	130
			Acenaphthylene-d8	40	33.06	83		10	130
			4-Nitrophenol-d4	40	34.25	86		10	150
			Fluorene-d10	40	32.42	81		25	125
			4,6-Dinitro-2-methylphenol-d2	40	32.06	80		10	130
			Anthracene-d10	40	33.62	84		25	130
			Pyrene-d10	40	33.90	85		15	130
			Benzo(a)pyrene-d12	40	35.15	88		20	130

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P2145-01RX	E07W9RX	BN031056.D	Pyridine-d5	40	2.12	5	*	20	120
			1,4-Dioxane-d8	8	3.42	43		15	120
			Phenol-d5	40	1.69	4	*	10	130
			Bis(2-Chloroethyl)ether-d8	40	19.52	49		10	150
			2-Chlorophenol-d4	40	2.04	5	*	15	120
			4-Methylphenol-d8	40	1.91	5	*	10	140
			Nitrobenzene-d5	40	17.45	44		10	135
			2-Nitrophenol-d4	40	15.82	40		10	120
			2,4-Dichlorophenol-d3	40	1.69	4	*	10	140
			4-Chloroaniline-d4	40	1.63	4		1	145
			Dimethylphthalate-d6	40	19.64	49		10	145
			Acenaphthylene-d8	40	1.83	5	*	15	120
			4-Nitrophenol-d4	40	1.48	4	*	10	150
			Fluorene-d10	40	4.24	11	*	20	140
			4,6-Dinitro-2-methylphenol-d2	40	9.86	25		10	130
			Anthracene-d10	40	2.01	5	*	10	150
			Pyrene-d10	40	2.03	5	*	10	130
			Benzo(a)pyrene-d12	40	1.94	5	*	10	140
P2145-06	E07Y0	BN031057.D	1,4-Dioxane-d8	8	3.40	42		15	120
			Pyridine-d5	40	9.78	24		20	120
			Phenol-d5	40	13.07	33		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.45	54		10	150
			2-Chlorophenol-d4	40	13.19	33		15	120
			4-Methylphenol-d8	40	12.22	31		10	140
			Nitrobenzene-d5	40	20.93	52		10	135
			2-Nitrophenol-d4	40	19.51	49		10	120
			2,4-Dichlorophenol-d3	40	13.25	33		10	140
			4-Chloroaniline-d4	40	8.43	21		1	145
			Dimethylphthalate-d6	40	23.96	60		10	145
			Acenaphthylene-d8	40	14.87	37		15	120
			4-Nitrophenol-d4	40	11.89	30		10	150
			Fluorene-d10	40	17.27	43		20	140
			4,6-Dinitro-2-methylphenol-d2	40	12.88	32		10	130
			Anthracene-d10	40	16.05	40		10	150
			Pyrene-d10	40	16.57	41		10	130
			Benzo(a)pyrene-d12	40	16.60	42		10	140
PB160366BL	PB160366BL	BN031052.D	1,4-Dioxane-d8	8	5.65	71		15	120
			Pyridine-d5	40	18.30	46		20	120
			Phenol-d5	40	25.64	64		10	130
			Bis(2-Chloroethyl)ether-d8	40	26.85	67		10	150
			2-Chlorophenol-d4	40	26.68	67		15	120
			4-Methylphenol-d8	40	25.74	64		10	140
			Nitrobenzene-d5	40	28.07	70		10	135
			2-Nitrophenol-d4	40	28.21	71		10	120
			2,4-Dichlorophenol-d3	40	26.59	66		10	140
			4-Chloroaniline-d4	40	19.29	48		1	145
			Dimethylphthalate-d6	40	28.92	72		10	145
			Acenaphthylene-d8	40	28.84	72		15	120
			4-Nitrophenol-d4	40	24.59	61		10	150

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Surrogate Summary

SW-846

SDG No.: BN041924

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB160366BL	PB160366BL	BN031052.D	Fluorene-d10	40	28.86	72		20	140
			4,6-Dinitro-2-methylphenol-d2	40	21.83	55		10	130
			Anthracene-d10	40	29.46	74		10	150
			Pyrene-d10	40	28.04	70		10	130
			Benzo(a)pyrene-d12	40	30.04	75		10	140
PB160366BS	PB160366BS	BN031053.D	1,4-Dioxane-d8	8	7.08	88		15	120
			Pyridine-d5	40	24.94	62		20	120
			Phenol-d5	40	31.33	78		10	130
			Bis(2-Chloroethyl)ether-d8	40	29.94	75		10	150
			2-Chlorophenol-d4	40	30.97	77		15	120
			4-Methylphenol-d8	40	30.57	76		10	140
			Nitrobenzene-d5	40	31.03	78		10	135
			2-Nitrophenol-d4	40	31.21	78		10	120
			2,4-Dichlorophenol-d3	40	30.82	77		10	140
			4-Chloroaniline-d4	40	23.62	59		1	145
			Dimethylphthalate-d6	40	31.27	78		10	145
			Acenaphthylene-d8	40	31.05	78		15	120
			4-Nitrophenol-d4	40	32.00	80		10	150
			Fluorene-d10	40	30.89	77		20	140
			4,6-Dinitro-2-methylphenol-d2	40	30.86	77		10	130
			Anthracene-d10	40	31.40	78		10	150
			Pyrene-d10	40	32.30	81		10	130
			Benzo(a)pyrene-d12	40	31.52	79		10	140

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041924

Lab Code: CHEM SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031043.D DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.4
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	27.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	75.8
443	15.0 - 24.0% of mass 442	14 (18.5) 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
SSTD020368	SSTDCCC020	BN031044.D	04/19/2024	16:58
SSTD005217	SSTD00538	BN031045.D	04/19/2024	17:44
SSTD010218	SSTD01039	BN031046.D	04/19/2024	18:24
SSTD020219	SSTD02040	BN031047.D	04/19/2024	19:04
SSTD040220	SSTD04041	BN031048.D	04/19/2024	19:43
SSTD080221	SSTD08042	BN031049.D	04/19/2024	20:23
SSTD160222	SSTD16043	BN031050.D	04/19/2024	21:03
SICV223	SSTDICV020	BN031051.D	04/19/2024	22:22
SBLK366	PB160366BL	BN031052.D	04/19/2024	23:02
SLCS366	PB160366BS	BN031053.D	04/19/2024	23:41
SSTD020368	SSTDCCC020	BN031054.D	04/20/2024	01:00
SBLK347	PB160347BL	BN031055.D	04/20/2024	01:40
E07W9RX	P2145-01RX	BN031056.D	04/20/2024	02:19
E07Y0	P2145-06	BN031057.D	04/20/2024	02:59
SBLK348	PB160348BL	BN031058.D	04/20/2024	03:38
C0RB6	P2159-01	BN031059.D	04/20/2024	04:18
C0RC1	P2159-02	BN031060.D	04/20/2024	04:57
C0RC4	P2159-03	BN031061.D	04/20/2024	05:36

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041924

Lab Code: CHEM SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031043.D DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.4
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	27.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	75.8
443	15.0 - 24.0% of mass 442	14 (18.5) 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
MC0R80	P2159-04	BN031062.D	04/20/2024	06:16
C0RD8	P2159-05	BN031063.D	04/20/2024	06:55
C0RE3	P2159-06	BN031064.D	04/20/2024	07:35
C0RJ7	P2159-08	BN031065.D	04/20/2024	08:14
C0R92	P2159-09	BN031066.D	04/20/2024	08:53
C0RA5	P2159-10	BN031067.D	04/20/2024	09:33
SSTD020369	SSTDCCC020	BN031068.D	04/20/2024	10:52
P160332224	P160332BL	BN031069.D	04/20/2024	11:31
C0RJ6	P2159-07	BN031070.D	04/20/2024	12:11
C0RD3	P2159-12	BN031071.D	04/20/2024	12:51
C0RC0	P2159-11	BN031072.D	04/20/2024	13:30
E0MG8	P2117-02	BN031073.D	04/20/2024	14:10
E0MG9	P2117-03	BN031074.D	04/20/2024	14:50
E0MH1	P2117-05	BN031075.D	04/20/2024	15:30
E0MH2	P2117-06	BN031076.D	04/20/2024	16:09
E0MH3	P2117-07	BN031077.D	04/20/2024	16:49
YCST2	P2053-04	BN031078.D	04/20/2024	17:28
YCSS4	P2053-05	BN031079.D	04/20/2024	18:08

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041924

Lab Code: CHEM SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031043.D DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.4
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	27.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	75.8
443	15.0 - 24.0% of mass 442	14 (18.5) 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
YCSS5	P2053-06	BN031080.D	04/20/2024	18:47
YCST3	P2053-07	BN031081.D	04/20/2024	19:27
SLCS332	PB160332BS	BN031082.D	04/20/2024	20:06
SSTD020370	SSTDCCC020	BN031083.D	04/20/2024	21:25
SBLK292	PB160292BL	BN031084.D	04/20/2024	22:04
SBLK290	PB160290BL	BN031085.D	04/20/2024	22:43
C0AL9	P2077-12	BN031086.D	04/20/2024	23:23
C0AG0	P2077-06	BN031087.D	04/21/2024	00:03
C0AG1	P2077-07	BN031088.D	04/21/2024	00:43
C0AG2	P2077-08	BN031089.D	04/21/2024	01:22
C0AL3	P2077-09	BN031090.D	04/21/2024	02:02
C0AL4	P2077-10	BN031091.D	04/21/2024	02:41
C0R91	P2159-13	BN031092.D	04/21/2024	03:21
C0RB0	P2159-14	BN031093.D	04/21/2024	04:00
C0RD0	P2159-15	BN031094.D	04/21/2024	04:40
C0RE1	P2159-16	BN031095.D	04/21/2024	05:19
SLCS292	PB160292BS	BN031096.D	04/21/2024	05:58
SLCS290	PB160290BS	BN031097.D	04/21/2024	06:37

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BN041924

Lab Code: CHEM SAS No.: BN041924 SDG NO.: BN041924

Lab File ID: BN031043.D DFTPP Injection Date: 04/19/2024

Instrument ID: BNA_N DFTPP Injection Time: 15:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.4
68	Less than 2.0% of mass 69	0.7 (2) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.6
197	Less than 2.0% of mass 198	0.4
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	27.8
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.7
442	Greater than 50% of mass 198	75.8
443	15.0 - 24.0% of mass 442	14 (18.5) 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
SSTD020371	SSTDCCC020	BN031098.D	04/21/2024	07:56
SBLK363	PB160363BL	BN031099.D	04/21/2024	08:35
SBLK364	PB160364BL	BN031100.D	04/21/2024	09:14
C0RB1	P2159-17	BN031101.D	04/21/2024	09:53
C0RD5	P2159-18	BN031102.D	04/21/2024	10:32
C0RE0	P2159-19	BN031103.D	04/21/2024	11:12
C0RE2	P2159-20	BN031104.D	04/21/2024	11:51
C0RC3	P2161-01	BN031105.D	04/21/2024	12:30
C0RD2	P2161-02	BN031106.D	04/21/2024	13:09
C0RD4	P2161-03	BN031107.D	04/21/2024	13:49
C0RJ9	P2161-04	BN031108.D	04/21/2024	14:28
SLCS363	PB160363BS	BN031109.D	04/21/2024	15:07
SLCS364	PB160364BS	BN031110.D	04/21/2024	15:47
SLCS347	PB160347BS	BN031111.D	04/21/2024	16:26
SLCS348	PB160348BS	BN031112.D	04/21/2024	17:06
SSTD020372	SSTDCCC020EC	BN031113.D	04/21/2024	18:24