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.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 17:20

Lab File ID: BP022448.D Init. Calib. Date(s):

EPA Sample No.: SSTD020660 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.553	0.495	0.010	-10.6242	40.0
Benzaldehyde	0.910	0.989	0.010	8.7018	40.0
Pyridine	1.449	1.224	0.010	-15.5389	40.0
Phenol	1.752	1.495	0.080	-14.6413	20.0
Bis(2-Chloroethyl)ether	1.311	1.216	0.100	-7.2553	20.0
2-Chlorophenol	1.235	1.168	0.200	-5.4148	20.0
2-Methylphenol	1.271	1.166	0.010	-8.2735	20.0
2,2-oxybis(1-Chloropropane)	1.524	1.347	0.010	-11.56	40.0
Acetophenone	2.218	2.032	0.060	-8.3956	20.0
4-Methylphenol	1.410	1.266	0.010	-10.2214	20.0
N-Nitroso-di-n-propylamine	1.124	1.038	0.050	-7.6366	30.0
Hexachloroethane	0.575	0.572	0.100	-0.6208	20.0
Nitrobenzene	0.459	0.425	0.050	-7.3119	25.0
Isophorone	0.823	0.758	0.050	-7.8491	25.0
2-Nitrophenol	0.192	0.196	0.050	2.2204	25.0
2,4-Dimethylphenol	0.417	0.398	0.050	-4.5716	25.0
Bis(2-Chloroethoxy)methane	0.467	0.450	0.050	-3.7658	20.0
2,4-Dichlorophenol	0.373	0.380	0.060	2.0912	20.0
Naphthalene	1.065	1.043	0.200	-2.0973	20.0
4-Chloroaniline	0.441	0.395	0.010	-10.5391	40.0
Hexachlorobutadiene	0.314	0.360	0.040	14.737	30.0
Caprolactam	0.120	0.086	0.010	-28.4196	40.0
4-Chloro-3-methylphenol	0.407	0.362	0.040	-11.0747	25.0
1-Methylnaphthalene	0.798	0.789	0.100	-1.1815	20.0
2-Methylnaphthalene	0.782	0.753	0.100	-3.6995	20.0
Hexachlorocyclopentadiene	0.451	0.588	0.010	30.4641	40.0
2,4,6-Trichlorophenol	0.465	0.492	0.090	5.744	25.0
2,4,5-Trichlorophenol	0.495	0.506	0.100	2.2346	25.0
1,1-Biphenyl	1.442	1.488	0.200	3.1962	20.0
2-Chloronaphthalene	1.180	1.216	0.300	3.0056	20.0
2-Nitroaniline	0.352	0.298	0.050	-15.3336	40.0
Dimethylphthalate	1.583	1.477	0.300	-6.7051	20.0
2,6-Dinitrotoluene	0.299	0.289	0.080	-3.6504	30.0
Acenaphthylene	1.752	1.797	0.400	2.6057	20.0
3-Nitroaniline	0.281	0.242	0.010	-14.0997	40.0
Acenaphthene	1.239	1.209	0.200	-2.3565	20.0
2,4-Dinitrophenol	0.220	0.191	0.010	-13.318	40.0
4-Nitrophenol	0.296	0.224	0.010	-24.3225	40.0
Dibenzofuran	1.861	1.805	0.300	-3.002	20.0

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.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 17:20

Lab File ID: BP022448.D Init. Calib. Date(s):

EPA Sample No.: SSTD020660 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.465	0.413	0.070	-11.3248	30.0
Diethylphthalate	1.519	1.369	0.300	-9.8676	20.0
Fluorene	1.516	1.442	0.200	-4.8989	20.0
4-Chlorophenyl-phenylether	0.867	0.887	0.100	2.3314	20.0
4-Nitroaniline	0.283	0.231	0.010	-18.5272	40.0
4,6-Dinitro-2-methylphenol	0.142	0.128	0.010	-9.371	40.0
N-Nitrosodiphenylamine	0.536	0.544	0.050	1.5649	20.0
1,2,4,5-Tetrachlorobenzene	0.740	0.824	0.100	11.3942	20.0
4-Bromophenyl-phenylether	0.241	0.278	0.070	15.1478	20.0
Hexachlorobenzene	0.297	0.006	0.050	-97.8632	25.0
Atrazine	0.223	0.211	0.010	-5.1848	25.0
Pentachlorophenol	0.191	0.209	0.010	9.38	40.0
Phenanthrene	1.070	1.036	0.200	-3.2019	20.0
Pentachlorobenzene	0.337	0.396	0.050	17.5687	20.0
Anthracene	1.068	1.036	0.200	-2.9831	20.0
1,2,3,4-Tetrachlorobenzene	0.305	0.373	0.050	22.5993	20.0
Carbazole	0.945	0.835	0.050	-11.6126	40.0
Di-n-butylphthalate	1.045	0.993	0.500	-4.9945	25.0
Fluoranthene	1.216	1.224	0.400	0.6373	25.0
Pyrene	1.303	1.250	0.400	-4.1094	25.0
Butylbenzylphthalate	0.454	0.423	0.100	-6.8277	40.0
3,3-Dichlorobenzidine	0.477	0.520	0.010	9.0085	40.0
Benzo(a)anthracene	1.402	1.367	0.300	-2.5029	30.0
Chrysene	1.300	1.251	0.200	-3.7942	30.0
Bis(2-ethylhexyl)phthalate	0.651	0.632	0.200	-2.9628	40.0
Di-n-octyl phthalate	0.951	0.844	0.010	-11.2773	40.0
Benzo(b)fluoranthene	1.259	1.205	0.200	-4.2539	25.0
Benzo(k)fluoranthene	1.233	1.158	0.200	-6.0145	25.0
Benzo(a)pyrene	1.159	1.099	0.200	-5.1718	20.0
Indeno(1,2,3-cd)pyrene	1.546	1.551	0.200	0.3192	25.0
Dibenzo(a,h)anthracene	1.252	1.281	0.200	2.3368	30.0
Benzo(g,h,i)perylene	1.203	1.244	0.200	3.4166	30.0
2,3,4,6-Tetrachlorophenol	0.462	0.461	0.040	-0.2364	20.0
1,4-Dioxane-d8	0.515	0.440	0.010	-14.458	25.0
Pyridine-d5	1.413	1.192	0.010	-15.6257	40.0
Phenol-d5	1.684	1.486	0.010	-11.7608	25.0
Bis-(2-Chloroethyl)ether-d8	0.989	0.872	0.050	-11.8661	25.0
2-Chlorophenol-d4	1.195	1.184	0.200	-0.8463	20.0
4-Methylphenol-d8	1.344	1.249	0.010	-7.0365	20.0

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.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 17:20

Lab File ID: BP022448.D Init. Calib. Date(s):

EPA Sample No.: SSTD020660 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.156	0.050	1.5301	20.0
2-Nitrophenol-d4	0.178	0.185	0.050	4.0377	30.0
2,4-Dichlorophenol-d3	0.378	0.392	0.060	3.6224	20.0
4-Chloroaniline-d4	0.447	0.404	0.010	-9.6203	40.0
Dimethylphthalate-d6	1.589	1.480	0.300	-6.8921	20.0
Acenaphthylene-d8	1.688	1.697	0.400	0.5339	20.0
4-Nitrophenol-d4	0.267	0.194	0.010	-27.0711	40.0
Fluorene-d10	1.378	1.308	0.100	-5.1282	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.123	0.010	-6.5759	40.0
Anthracene-d10	0.941	0.916	0.300	-2.6852	20.0
Pyrene-d10	1.058	1.044	0.300	-1.2824	25.0
Benzo(a)pyrene-d12	1.068	1.007	0.010	-5.7265	20.0

All other compounds must meet a minimum RRF of 0.010.

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.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 19:22

Lab File ID: BP022451.D Init. Calib. Date(s):

EPA Sample No.: SSTD020661 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.553	0.457	0.010	-17.3894	50.0
Benzaldehyde	0.910	1.081	0.010	18.7667	50.0
Pyridine	1.449	1.337	0.010	-7.7273	50.0
Phenol	1.752	1.649	0.080	-5.8663	50.0
Bis(2-Chloroethyl)ether	1.311	1.352	0.100	3.1412	50.0
2-Chlorophenol	1.235	1.203	0.200	-2.6274	50.0
2-Methylphenol	1.271	1.288	0.010	1.3131	50.0
2,2-oxybis(1-Chloropropane)	1.524	1.538	0.010	0.9194	50.0
Acetophenone	2.218	2.317	0.060	4.4379	50.0
4-Methylphenol	1.410	1.415	0.010	0.3219	50.0
N-Nitroso-di-n-propylamine	1.124	1.247	0.050	10.9523	50.0
Hexachloroethane	0.575	0.588	0.100	2.2138	50.0
Nitrobenzene	0.459	0.445	0.050	-2.9681	50.0
Isophorone	0.823	0.872	0.050	5.9369	50.0
2-Nitrophenol	0.192	0.192	0.050	0.3213	50.0
2,4-Dimethylphenol	0.417	0.425	0.050	1.919	50.0
Bis(2-Chloroethoxy)methane	0.467	0.483	0.050	3.4368	50.0
2,4-Dichlorophenol	0.373	0.385	0.060	3.2375	50.0
Naphthalene	1.065	1.054	0.200	-1.0334	50.0
4-Chloroaniline	0.441	0.432	0.010	-2.178	50.0
Hexachlorobutadiene	0.314	0.328	0.040	4.5916	50.0
Caprolactam	0.120	0.119	0.010	-1.0898	50.0
4-Chloro-3-methylphenol	0.407	0.439	0.040	7.894	50.0
1-Methylnaphthalene	0.798	0.845	0.100	5.815	50.0
2-Methylnaphthalene	0.782	0.812	0.100	3.8485	50.0
Hexachlorocyclopentadiene	0.451	0.492	0.010	9.285	50.0
2,4,6-Trichlorophenol	0.465	0.459	0.090	-1.3516	50.0
2,4,5-Trichlorophenol	0.495	0.499	0.100	0.7748	50.0
1,1-Biphenyl	1.442	1.388	0.200	-3.6876	50.0
2-Chloronaphthalene	1.180	1.131	0.300	-4.1336	50.0
2-Nitroaniline	0.352	0.340	0.050	-3.5469	50.0
Dimethylphthalate	1.583	1.609	0.300	1.5873	50.0
2,6-Dinitrotoluene	0.299	0.323	0.080	7.9273	50.0
Acenaphthylene	1.752	1.786	0.400	1.9529	50.0
3-Nitroaniline	0.281	0.279	0.010	-0.7171	50.0
Acenaphthene	1.239	1.210	0.200	-2.3051	50.0
2,4-Dinitrophenol	0.220	0.226	0.010	2.6268	50.0
4-Nitrophenol	0.296	0.288	0.010	-2.5562	50.0
Dibenzofuran	1.861	1.841	0.300	-1.071	50.0

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 19:22

Lab File ID: BP022451.D Init. Calib. Date(s):

EPA Sample No.: SSTD020661 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
2,4-Dinitrotoluene	0.465	0.495	0.070	6.3609	50.0
Diethylphthalate	1.519	1.609	0.300	5.9243	50.0
Fluorene	1.516	1.553	0.200	2.4724	50.0
4-Chlorophenyl-phenylether	0.867	0.913	0.100	5.2581	50.0
4-Nitroaniline	0.283	0.290	0.010	2.4668	50.0
4,6-Dinitro-2-methylphenol	0.142	0.132	0.010	-6.5793	50.0
N-Nitrosodiphenylamine	0.536	0.525	0.050	-1.9292	50.0
1,2,4,5-Tetrachlorobenzene	0.740	0.718	0.100	-2.878	50.0
4-Bromophenyl-phenylether	0.241	0.259	0.070	7.2498	50.0
Hexachlorobenzene	0.297	0.313	0.050	5.308	50.0
Atrazine	0.223	0.220	0.010	-1.1107	50.0
Pentachlorophenol	0.191	0.205	0.010	7.3107	50.0
Phenanthrene	1.070	1.048	0.200	-2.0532	50.0
Pentachlorobenzene	0.337	0.333	0.050	-1.064	50.0
Anthracene	1.068	1.065	0.200	-0.2921	50.0
1,2,3,4-Tetrachlorobenzene	0.305	0.284	0.050	-6.6062	50.0
Carbazole	0.945	0.888	0.050	-6.0561	50.0
Di-n-butylphthalate	1.045	1.100	0.500	5.2356	50.0
Fluoranthene	1.216	1.389	0.400	14.2661	50.0
Pyrene	1.303	1.431	0.400	9.8061	50.0
Butylbenzylphthalate	0.454	0.489	0.100	7.8632	50.0
3,3-Dichlorobenzidine	0.477	0.460	0.010	-3.6174	50.0
Benzo(a)anthracene	1.402	1.369	0.300	-2.3271	50.0
Chrysene	1.300	1.256	0.200	-3.4119	50.0
Bis(2-ethylhexyl)phthalate	0.651	0.661	0.200	1.5608	50.0
Di-n-octyl phthalate	0.951	1.085	0.010	14.036	50.0
Benzo(b)fluoranthene	1.259	1.322	0.200	5.0364	50.0
Benzo(k)fluoranthene	1.233	1.294	0.200	5.016	50.0
Benzo(a)pyrene	1.159	1.151	0.200	-0.6281	50.0
Indeno(1,2,3-cd)pyrene	1.546	1.241	0.200	-19.718	50.0
Dibenzo(a,h)anthracene	1.252	1.024	0.200	-18.2269	50.0
Benzo(g,h,i)perylene	1.203	0.982	0.200	-18.3715	50.0
2,3,4,6-Tetrachlorophenol	0.462	0.494	0.040	6.7935	50.0
1,4-Dioxane-d8	0.515	0.436	0.010	-15.2372	50.0
Pyridine-d5	1.413	1.317	0.010	-6.8163	50.0
Phenol-d5	1.684	1.602	0.010	-4.8559	50.0
Bis-(2-Chloroethyl)ether-d8	0.989	0.981	0.050	-0.8794	50.0
2-Chlorophenol-d4	1.195	1.221	0.200	2.1919	50.0
4-Methylphenol-d8	1.344	1.401	0.010	4.2737	50.0

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.: BP101724 SAS No.: BP101724 SDG No.: BP101724

Instrument ID: BNA_P Calibration Date/Time: 10/17/2024 1 19:22

Lab File ID: BP022451.D Init. Calib. Date(s):

EPA Sample No.: SSTD020661 Init. Calib. Time(s):

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Nitrobenzene-d5	0.154	0.154	0.050	0.2525	50.0
2-Nitrophenol-d4	0.178	0.193	0.050	8.1316	50.0
2,4-Dichlorophenol-d3	0.378	0.394	0.060	4.0855	50.0
4-Chloroaniline-d4	0.447	0.444	0.010	-0.7863	50.0
Dimethylphthalate-d6	1.589	1.606	0.300	1.067	50.0
Acenaphthylene-d8	1.688	1.671	0.400	-0.9966	50.0
4-Nitrophenol-d4	0.267	0.242	0.010	-9.0374	50.0
Fluorene-d10	1.378	1.403	0.100	1.8112	50.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.125	0.010	-4.6548	50.0
Anthracene-d10	0.941	0.920	0.300	-2.2193	50.0
Pyrene-d10	1.058	1.171	0.300	10.6715	50.0
Benzo(a)pyrene-d12	1.068	1.029	0.010	-3.6843	50.0

All other compounds must meet a minimum RRF of 0.010.

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

Report of Analysis

Client:				Date Collected:	10/8/2024 12:00:00 AM
Project:				Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	SBLK982			SDG No.:	BP101724
Lab Sample ID:	PB163982BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022449.D	1	10/8/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB163982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	11	U	11	6.6	67	ug/Kg
100-52-7	Benzaldehyde	45	U	45	82.5	330	ug/Kg
110-86-1	Pyridine	33	U	33	170	330	ug/Kg
108-95-2	Phenol	43	U	43	82.5	330	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	40	U	40	82.5	330	ug/Kg
95-57-8	2-Chlorophenol	23	U	23	42.5	170	ug/Kg
95-48-7	2-Methylphenol	39	U	39	82.5	330	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	60	U	60	82.5	330	ug/Kg
98-86-2	Acetophenone	40	U	40	82.5	330	ug/Kg
106-44-5	4-Methylphenol	37	U	37	82.5	330	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	51	U	51	42.5	170	ug/Kg
67-72-1	Hexachloroethane	18	U	18	42.5	170	ug/Kg
98-95-3	Nitrobenzene	31	U	31	42.5	170	ug/Kg
78-59-1	Isophorone	48	U	48	42.5	170	ug/Kg
88-75-5	2-Nitrophenol	31	U	31	42.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	25	U	25	42.5	170	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	43	U	43	42.5	170	ug/Kg
120-83-2	2,4-Dichlorophenol	16	U	16	42.5	170	ug/Kg
91-20-3	Naphthalene	25	U	25	42.5	170	ug/Kg
106-47-8	4-Chloroaniline	24	U	24	42.5	330	ug/Kg
87-68-3	Hexachlorobutadiene	44	U	44	42.5	170	ug/Kg
105-60-2	Caprolactam	72	U	72	82.5	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	42.5	170	ug/Kg
90-12-0	1-Methylnaphthalene	33	U	33	42.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	23	U	23	42.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	95	U	95	82.5	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49	U	49	42.5	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	39	U	39	42.5	170	ug/Kg

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:				Date Collected:	10/8/2024 12:00:00 AM
Project:				Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	SBLK982			SDG No.:	BP101724
Lab Sample ID:	PB163982BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022449.D	1	10/8/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB163982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	24	U	24	42.5	170	ug/Kg
91-58-7	2-Chloronaphthalene	26	U	26	42.5	170	ug/Kg
88-74-4	2-Nitroaniline	41	U	41	42.5	170	ug/Kg
131-11-3	Dimethylphthalate	29	U	29	42.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	44	U	44	42.5	170	ug/Kg
208-96-8	Acenaphthylene	32	U	32	42.5	170	ug/Kg
99-09-2	3-Nitroaniline	44	U	44	82.5	330	ug/Kg
83-32-9	Acenaphthene	29	U	29	42.5	170	ug/Kg
51-28-5	2,4-Dinitrophenol	48	U	48	82.5	330	ug/Kg
100-02-7	4-Nitrophenol	44	U	44	82.5	330	ug/Kg
132-64-9	Dibenzofuran	32	U	32	42.5	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	43	U	43	42.5	170	ug/Kg
84-66-2	Diethylphthalate	30	U	30	42.5	170	ug/Kg
86-73-7	Fluorene	25	U	25	42.5	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	20	U	20	42.5	170	ug/Kg
100-01-6	4-Nitroaniline	31	U	31	82.5	330	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	77	U	77	82.5	330	ug/Kg
86-30-6	N-Nitrosodiphenylamine	33	U	33	42.5	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	24	U	24	42.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29	U	29	42.5	170	ug/Kg
118-74-1	Hexachlorobenzene	32	U	32	42.5	170	ug/Kg
1912-24-9	Atrazine	71	U	71	82.5	330	ug/Kg
87-86-5	Pentachlorophenol	74	U	74	82.5	330	ug/Kg
85-01-8	Phenanthrene	29	U	29	42.5	170	ug/Kg
608-93-5	Pentachlorobenzene	52	U	52	42.5	170	ug/Kg
120-12-7	Anthracene	25	U	25	42.5	170	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	50	U	50	42.5	170	ug/Kg
86-74-8	Carbazole	28	U	28	82.5	330	ug/Kg
84-74-2	Di-n-butylphthalate	61	U	61	42.5	170	ug/Kg
206-44-0	Fluoranthene	54	U	54	82.5	170	ug/Kg

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

Report of Analysis

Client:				Date Collected:	10/8/2024 12:00:00 AM
Project:				Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	SBLK982			SDG No.:	BP101724
Lab Sample ID:	PB163982BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022449.D	1	10/8/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB163982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	49	U	49	42.5	170	ug/Kg
85-68-7	Butylbenzylphthalate	84	U	84	42.5	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	48	U	48	82.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	27	U	27	42.5	170	ug/Kg
218-01-9	Chrysene	31	U	31	42.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	96	U	96	42.5	170	ug/Kg
117-84-0	Di-n-octyl phthalate	76	U	76	82.5	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	33	U	33	42.5	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	38	U	38	42.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	32	U	32	42.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31	U	31	42.5	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28	U	28	42.5	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	26	U	26	42.5	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	33	U	33	42.5	170	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	4.21		15-120		53	SPK: -8
7291-22-7	Pyridine-d5	19.711		20-120		49	SPK: -40
4165-62-2	Phenol-d5	20.74		10-130		52	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	21.293		10-150		53	SPK: -40
93951-73-6	2-Chlorophenol-d4	23.435		15-120		59	SPK: -40
190780-66-6	4-Methylphenol-d8	21.389		10-140		53	SPK: -40
4165-60-0	Nitrobenzene-d5	24.441		10-135		61	SPK: -40
93951-78-1	2-Nitrophenol-d4	25.917		10-120		65	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	23.739		10-140		59	SPK: -40
191656-33-4	4-Chloroaniline-d4	22.297		1-145		56	SPK: -40
85448-30-2	Dimethylphthalate-d6	22.881		10-145		57	SPK: -40
93951-97-4	Acenaphthylene-d8	23.612		15-120		59	SPK: -40
93951-79-2	4-Nitrophenol-d4	17.041		10-150		43	SPK: -40
81103-79-9	Fluorene-d10	22.549		20-140		56	SPK: -40

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

Report of Analysis

Client:				Date Collected:	10/8/2024 12:00:00 AM
Project:				Date Received:	10/8/2024 12:00:00 AM
Client Sample ID:	SBLK982			SDG No.:	BP101724
Lab Sample ID:	PB163982BL			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	0
Sample Wt/Vol:	30	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:			uL	Test:	
Extraction Type :			Decanted :	Level :	LOW
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022449.D	1	10/8/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB163982

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	19.94		10-130		50	SPK: -40
1719-06-8	Anthracene-d10	22.881		10-150		57	SPK: -40
1718-52-1	Pyrene-d10	24.693		10-130		62	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	19.492		10-140		49	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	181088	7.664				
1146-65-2	Naphthalene-d8	651956	10.416				
15067-26-2	Acenaphthene-d10	464937	14.287				
1517-22-2	Phenanthrene-d10	988215	17.098				
1719-03-5	Chrysene-d12	967896	21.516				
1520-96-3	Perylene-d12	1218349	24.78				
TENTATIVE IDENTIFIED COMPOUNDS							
000541-02-6	Cyclopentasiloxane, decamethyl-	1600	J			9.222	
000540-97-6	Cyclohexasiloxane, dodecamethyl-	1200	J			11.699	
E966796	Total Alkanes	24	U			99	ug/Kg

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

Report of Analysis

Client:				Date Collected:	9/23/2024 12:00:00 AM
Project:				Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	DCYN6MEDL2			SDG No.:	BP101724
Lab Sample ID:	P4264-02MEDL2			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	16.3
Sample Wt/Vol:	1.04	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:	100		uL	Test:	
Extraction Type :			Decanted :	Level :	MED
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022450.D	20	10/15/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB164171

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
123-91-1	1,4-Dioxane	6200	U	6200	4500	46000	ug/Kg
100-52-7	Benzaldehyde	32000	U	32000	56900	230000	ug/Kg
110-86-1	Pyridine	39000	U	39000	113700	230000	ug/Kg
108-95-2	Phenol	28000	U	28000	56900	230000	ug/Kg
111-44-4	Bis(2-Chloroethyl)ether	25000	U	25000	56900	230000	ug/Kg
95-57-8	2-Chlorophenol	18000	U	18000	29300	110000	ug/Kg
95-48-7	2-Methylphenol	20000	U	20000	56900	230000	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	46000	U	46000	56900	230000	ug/Kg
98-86-2	Acetophenone	22000	U	22000	56900	230000	ug/Kg
106-44-5	4-Methylphenol	20000	U	20000	56900	230000	ug/Kg
621-64-7	N-Nitroso-di-n-propylamine	39000	U	39000	29300	110000	ug/Kg
67-72-1	Hexachloroethane	11000	U	11000	29300	110000	ug/Kg
98-95-3	Nitrobenzene	22000	U	22000	29300	110000	ug/Kg
78-59-1	Isophorone	25000	U	25000	29300	110000	ug/Kg
88-75-5	2-Nitrophenol	16000	U	16000	29300	110000	ug/Kg
105-67-9	2,4-Dimethylphenol	16000	U	16000	29300	110000	ug/Kg
111-91-1	Bis(2-Chloroethoxy)methane	30000	U	30000	29300	110000	ug/Kg
120-83-2	2,4-Dichlorophenol	15000	U	15000	29300	110000	ug/Kg
91-20-3	Naphthalene	1000000	D	16000	29300	110000	ug/Kg
106-47-8	4-Chloroaniline	13000	U	13000	29300	230000	ug/Kg
87-68-3	Hexachlorobutadiene	32000	U	32000	29300	110000	ug/Kg
105-60-2	Caprolactam	64000	U	64000	56900	230000	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30000	U	30000	29300	110000	ug/Kg
90-12-0	1-Methylnaphthalene	140000	D	28000	29300	110000	ug/Kg
91-57-6	2-Methylnaphthalene	300000	D	15000	29300	110000	ug/Kg
77-47-4	Hexachlorocyclopentadiene	62000	U	62000	56900	230000	ug/Kg
88-06-2	2,4,6-Trichlorophenol	28000	U	28000	29300	110000	ug/Kg
95-95-4	2,4,5-Trichlorophenol	17000	U	17000	29300	110000	ug/Kg

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

Report of Analysis

Client:				Date Collected:	9/23/2024 12:00:00 AM
Project:				Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	DCYN6MEDL2			SDG No.:	BP101724
Lab Sample ID:	P4264-02MEDL2			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	16.3
Sample Wt/Vol:	1.04	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:	100		uL	Test:	
Extraction Type :			Decanted :	Level :	MED
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022450.D	20	10/15/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB164171

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-52-4	1,1-Biphenyl	16000	U	16000	29300	110000	ug/Kg
91-58-7	2-Chloronaphthalene	16000	U	16000	29300	110000	ug/Kg
88-74-4	2-Nitroaniline	37000	U	37000	29300	110000	ug/Kg
131-11-3	Dimethylphthalate	17000	U	17000	29300	110000	ug/Kg
606-20-2	2,6-Dinitrotoluene	30000	U	30000	29300	110000	ug/Kg
208-96-8	Acenaphthylene	18000	U	18000	29300	110000	ug/Kg
99-09-2	3-Nitroaniline	20000	U	20000	56900	230000	ug/Kg
83-32-9	Acenaphthene	190000	D	19000	29300	110000	ug/Kg
51-28-5	2,4-Dinitrophenol	67000	U	67000	56900	230000	ug/Kg
100-02-7	4-Nitrophenol	25000	U	25000	56900	230000	ug/Kg
132-64-9	Dibenzofuran	17000	U	17000	29300	110000	ug/Kg
121-14-2	2,4-Dinitrotoluene	22000	U	22000	29300	110000	ug/Kg
84-66-2	Diethylphthalate	19000	U	19000	29300	110000	ug/Kg
86-73-7	Fluorene	180000	D	16000	29300	110000	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	16000	U	16000	29300	110000	ug/Kg
100-01-6	4-Nitroaniline	18000	U	18000	56900	230000	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	51000	U	51000	56900	230000	ug/Kg
86-30-6	N-Nitrosodiphenylamine	17000	U	17000	29300	110000	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	15000	U	15000	29300	110000	ug/Kg
101-55-3	4-Bromophenyl-phenylether	16000	U	16000	29300	110000	ug/Kg
118-74-1	Hexachlorobenzene	19000	U	19000	29300	110000	ug/Kg
1912-24-9	Atrazine	46000	U	46000	56900	230000	ug/Kg
87-86-5	Pentachlorophenol	41000	U	41000	56900	230000	ug/Kg
85-01-8	Phenanthrene	750000	D	19000	29300	110000	ug/Kg
608-93-5	Pentachlorobenzene	37000	U	37000	29300	110000	ug/Kg
120-12-7	Anthracene	64000	JD	16000	29300	110000	ug/Kg
634-66-2	1,2,3,4-Tetrachlorobenzene	39000	U	39000	29300	110000	ug/Kg
86-74-8	Carbazole	14000	U	14000	56900	230000	ug/Kg
84-74-2	Di-n-butylphthalate	34000	U	34000	29300	110000	ug/Kg
206-44-0	Fluoranthene	320000	D	32000	56900	110000	ug/Kg

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

Report of Analysis

Client:				Date Collected:	9/23/2024 12:00:00 AM
Project:				Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	DCYN6MEDL2			SDG No.:	BP101724
Lab Sample ID:	P4264-02MEDL2			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	16.3
Sample Wt/Vol:	1.04	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:	100		uL	Test:	
Extraction Type :			Decanted :	Level :	MED
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022450.D	20	10/15/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB164171

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
129-00-0	Pyrene	200000	D	25000	29300	110000	ug/Kg
85-68-7	Butylbenzylphthalate	55000	U	55000	29300	110000	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37000	U	37000	56900	230000	ug/Kg
56-55-3	Benzo(a)anthracene	55000	JD	13000	29300	110000	ug/Kg
218-01-9	Chrysene	49000	JD	18000	29300	110000	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	60000	U	60000	29300	110000	ug/Kg
117-84-0	Di-n-octyl phthalate	62000	U	62000	56900	230000	ug/Kg
205-99-2	Benzo(b)fluoranthene	29000	JD	25000	29300	110000	ug/Kg
207-08-9	Benzo(k)fluoranthene	18000	U	18000	29300	110000	ug/Kg
50-32-8	Benzo(a)pyrene	25000	U	25000	29300	110000	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	21000	U	21000	29300	110000	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18000	U	18000	29300	110000	ug/Kg
191-24-2	Benzo(g,h,i)perylene	21000	U	21000	29300	110000	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	22000	U	22000	29300	110000	ug/Kg
SURROGATES							
17647-74-4	1,4-Dioxane-d8	6.46		15-120		81	SPK: -8
7291-22-7	Pyridine-d5	18.58		20-120		46	SPK: -40
4165-62-2	Phenol-d5	25.92		10-130		65	SPK: -40
93952-02-4	Bis-(2-Chloroethyl)ether-d8	30.12		10-150		75	SPK: -40
93951-73-6	2-Chlorophenol-d4	28.9		15-120		72	SPK: -40
190780-66-6	4-Methylphenol-d8	25.62		10-140		64	SPK: -40
4165-60-0	Nitrobenzene-d5	33.02		10-135		83	SPK: -40
93951-78-1	2-Nitrophenol-d4	31.06		10-120		78	SPK: -40
93951-74-7	2,4-Dichlorophenol-d3	29.76		10-140		74	SPK: -40
191656-33-4	4-Chloroaniline-d4	32.34		1-145		81	SPK: -40
85448-30-2	Dimethylphthalate-d6	34.3		10-145		86	SPK: -40
93951-97-4	Acenaphthylene-d8	31.64		15-120		79	SPK: -40
93951-79-2	4-Nitrophenol-d4	19.08		10-150		48	SPK: -40
81103-79-9	Fluorene-d10	33.88		20-140		85	SPK: -40

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

Report of Analysis

Client:				Date Collected:	9/23/2024 12:00:00 AM
Project:				Date Received:	9/23/2024 12:00:00 AM
Client Sample ID:	DCYN6MEDL2			SDG No.:	BP101724
Lab Sample ID:	P4264-02MEDL2			Matrix:	Solid
Analytical Method:	SFAM_SVOC			% Moisture:	16.3
Sample Wt/Vol:	1.04	Units:	g	Final Vol:	500 uL
Soil Aliquot Vol:	100		uL	Test:	
Extraction Type :			Decanted :	Level :	MED
Injection Volume :			GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP022450.D	20	10/15/2024 12:00:00 AM	10/17/2024 12:00:00 AM	PB164171

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
93951-76-9	4,6-Dinitro-2-methylphenol-d2	17.32		10-130		43	SPK: -40
1719-06-8	Anthracene-d10	34.46		10-150		86	SPK: -40
1718-52-1	Pyrene-d10	31.98		10-130		80	SPK: -40
63466-71-7	Benzo(a)pyrene-d12	33.44		10-140		84	SPK: -40
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	89014	7.663				
1146-65-2	Naphthalene-d8	303511	10.422				
15067-26-2	Acenaphthene-d10	226040	14.287				
1517-22-2	Phenanthrene-d10	537317	17.092				
1719-03-5	Chrysene-d12	667004	21.51				
1520-96-3	Perylene-d12	821861	24.78				
TENTATIVE IDENTIFIED COMPOUNDS							
000092-52-4	Biphenyl	65000	JD			13.104	
000581-40-8	Naphthalene, 2,3-dimethyl-	58000	JD			13.44	
000581-42-0	Naphthalene, 2,6-dimethyl-	54000	JD			13.599	
000132-64-9	Dibenzo furan	230000	JD			14.693	
007320-53-8	Dibenzofuran, 4-methyl-	53000	JD			15.651	
014562-09-5	2,4,6-Cycloheptatrien-1-one, 2-phe	57000	JD			15.804	
000132-65-0	Dibenzothiophene	59000	JD			16.892	
000832-69-9	Phenanthrene, 1-methyl-	51000	JD			17.986	
004505-48-0	1H-Indene, 2-phenyl-	78000	JD			18.034	
000203-64-5	4H-Cyclopenta[def]phenanthrene	79000	JD			18.192	
E966796	Total Alkanes	16000	U			99	ug/Kg

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

Hit Summary Sheet
SW-846

SDG No.: BP101724

Client:

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**DCYN6MEDL2**								
P4264-02MEDL2	DCYN6MEDL2	Solid	1H-Indene, 2-phenyl-	*	78,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	2,4,6-Cycloheptatrien-1-one, 2-ph	*	57,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	4H-Cyclopenta[def]phenanthrene	*	79,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Biphenyl	*	65,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Dibenzo furan	*	230,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Dibenzofuran, 4-methyl-	*	53,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Dibenzothiophene	*	59,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Naphthalene, 2,3-dimethyl-	*	58,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Naphthalene, 2,6-dimethyl-	*	54,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Phenanthrene, 1-methyl-	*	51,000.000	JD			
P4264-02MEDL2	DCYN6MEDL2	Solid	Total Alkanes	*	0.000	D	16000	110000	ug/Kg
			Total Tics :		**784,000.00**				
P4264-02MEDL2	DCYN6MEDL2	Solid	1-Methylnaphthalene		140,000.000	D	28000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	2-Methylnaphthalene		300,000.000	D	15000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Acenaphthene		190,000.000	D	19000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Anthracene		64,000.000	JD	16000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Benzo(a)anthracene		55,000.000	JD	13000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Benzo(b)fluoranthene		29,000.000	JD	25000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Chrysene		49,000.000	JD	18000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Fluoranthene		320,000.000	D	32000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Fluorene		180,000.000	D	16000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Naphthalene		1,000,000.000	D	16000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Phenanthrene		750,000.000	D	19000	110000	ug/Kg
P4264-02MEDL2	DCYN6MEDL2	Solid	Pyrene		200,000.000	D	25000	110000	ug/Kg
			Total Svoc :		**3,277,000.00**				
			Total Concentration:		**4,061,000.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP100724 SAS No.: BP100724 SDG No.: BP100724

Instrument ID: Calibration Date(s): 10/7/2024

Calibration Time(s): 16:41

LAB FILE ID: RRFAL1 = BP022257.D RRFAL2 = BP022258.D RRFAL3 = BP022259.D
RRFAL4 = BP022260.D RRFAL5 = BP022261.D RRFAL6 = BP022262.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.554	0.573	0.557	0.571	0.511		0.553	4.6
Benzaldehyde		1.063	0.934	1.100	0.803	0.648	0.910	20.6
Pyridine		1.509	1.423	1.491	1.444	1.376	1.449	3.7
Hexachloroethane	0.552	0.620	0.554	0.575	0.576		0.575	4.8
Nitrobenzene	0.435	0.489	0.451	0.461	0.458		0.459	4.3
Isophorone	0.741	0.864	0.808	0.851	0.851		0.823	6.1
2-Nitrophenol	0.163	0.200	0.186	0.206	0.205		0.192	9.5
2,4-Dimethylphenol	0.376	0.447	0.402	0.422	0.439		0.417	6.9
Bis(2-Chloroethoxy)methane	0.426	0.500	0.460	0.473	0.477		0.467	5.9
2,4-Dichlorophenol	0.330	0.391	0.357	0.391	0.394		0.373	7.5
Naphthalene	1.002	1.150	1.035	1.076	1.062		1.065	5.2
4-Chloroaniline		0.454	0.413	0.455	0.461	0.424	0.441	4.9
Hexachlorobutadiene	0.312	0.350	0.301	0.310	0.297		0.314	6.6
Phenol		1.718	1.601	1.771	1.863	1.805	1.752	5.7
Caprolactam		0.113	0.108	0.128	0.127	0.124	0.120	7.5
4-Chloro-3-methylphenol	0.341	0.419	0.389	0.447	0.438		0.407	10.6
1-Methylnaphthalene	0.717	0.835	0.777	0.846	0.816		0.798	6.6
2-Methylnaphthalene	0.721	0.818	0.742	0.832	0.798		0.782	6.2
Hexachlorocyclopentadiene		0.469	0.444	0.446	0.438	0.455	0.451	2.7
2,4,6-Trichlorophenol	0.418	0.496	0.446	0.472	0.494		0.465	7.1
2,4,5-Trichlorophenol	0.441	0.509	0.477	0.513	0.537		0.495	7.5
1,1-Biphenyl	1.362	1.601	1.393	1.423	1.429		1.442	6.5
2-Chloronaphthalene	1.099	1.289	1.163	1.167	1.182		1.180	5.8
2-Nitroaniline	0.322	0.354	0.338	0.374	0.373		0.352	6.4
Bis(2-Chloroethyl)ether		1.301	1.281	1.331	1.357	1.285	1.311	2.5
Dimethylphthalate	1.477	1.717	1.563	1.575	1.584		1.583	5.4
2,6-Dinitrotoluene	0.238	0.304	0.295	0.321	0.340		0.299	12.9
Acenaphthylene	1.581	1.845	1.795	1.784	1.754		1.752	5.8
3-Nitroaniline		0.275	0.263	0.301	0.281	0.286	0.281	5.0
Acenaphthene	1.196	1.338	1.187	1.227	1.246		1.239	4.9
2,4-Dinitrophenol		0.183	0.187	0.225	0.239	0.268	0.220	16.3
4-Nitrophenol		0.291	0.283	0.305	0.306	0.295	0.296	3.2
Dibenzofuran	1.754	2.038	1.799	1.853	1.859		1.861	5.8
2,4-Dinitrotoluene	0.365	0.496	0.456	0.498	0.511		0.465	12.8
Diethylphthalate	1.395	1.607	1.506	1.545	1.542		1.519	5.1
2-Chlorophenol	1.143	1.264	1.197	1.270	1.302		1.235	5.2

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.: BP100724 SAS No.: BP100724 SDG No.: BP100724

Instrument ID: Calibration Date(s): 10/7/2024

Calibration Time(s): 16:41

LAB FILE ID: RRFAL1 = BP022257.D RRFAL2 = BP022258.D RRFAL3 = BP022259.D
RRFAL4 = BP022260.D RRFAL5 = BP022261.D RRFAL6 = BP022262.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.430	1.629	1.503	1.510	1.508		1.516	4.7
4-Chlorophenyl-phenylether	0.834	0.928	0.847	0.856	0.869		0.867	4.2
4-Nitroaniline		0.291	0.280	0.315	0.277	0.252	0.283	8.1
4,6-Dinitro-2-methylphenol		0.135	0.130	0.147	0.148	0.149	0.142	6.1
N-Nitrosodiphenylamine	0.504	0.584	0.518	0.535	0.537		0.536	5.7
1,2,4,5-Tetrachlorobenzene	0.708	0.818	0.706	0.729	0.737		0.740	6.2
4-Bromophenyl-phenylether	0.228	0.259	0.241	0.237	0.241		0.241	4.7
Hexachlorobenzene	0.291	0.322	0.287	0.286	0.298		0.297	5.0
Atrazine		0.256	0.201	0.233	0.238	0.184	0.223	13.1
Pentachlorophenol		0.181	0.170	0.192	0.205	0.206	0.191	8.1
2-Methylphenol		1.202	1.182	1.293	1.366	1.312	1.271	6.1
Phenanthrene	1.022	1.152	1.059	1.056	1.061		1.070	4.5
Pentachlorobenzene	0.340	0.375	0.313	0.327	0.329		0.337	7.0
Anthracene	0.990	1.135	1.068	1.071	1.075		1.068	4.8
1,2,3,4-Tetrachlorobenzene	0.300	0.339	0.282	0.299	0.303		0.305	6.8
Carbazole		1.008	0.931	0.959	0.933	0.893	0.945	4.5
Di-n-butylphthalate	0.957	1.097	1.050	1.060	1.063		1.045	5.0
Fluoranthene	1.076	1.286	1.162	1.260	1.295		1.216	7.8
Pyrene	1.196	1.405	1.223	1.341	1.351		1.303	6.9
Butylbenzylphthalate	0.410	0.470	0.439	0.472	0.477		0.454	6.3
3,3-Dichlorobenzidine		0.506	0.464	0.505	0.456	0.453	0.477	5.6
2,2-oxybis(1-Chloropropane)		1.619	1.505	1.550	1.538	1.406	1.524	5.1
Benzo(a)anthracene	1.324	1.501	1.373	1.421	1.392		1.402	4.7
Chrysene	1.241	1.405	1.246	1.305	1.304		1.300	5.1
Bis(2-ethylhexyl)phthalate	0.601	0.704	0.624	0.663	0.664		0.651	6.1
Di-n-octyl phthalate		0.973	0.893	0.937	0.984	0.970	0.951	3.9
Benzo(b)fluoranthene	1.122	1.335	1.231	1.279	1.327		1.259	6.9
Benzo(k)fluoranthene	1.113	1.308	1.206	1.249	1.287		1.233	6.2
Benzo(a)pyrene	1.041	1.213	1.141	1.179	1.219		1.159	6.3
Indeno(1,2,3-cd)pyrene	1.484	1.650	1.456	1.536	1.605		1.546	5.3
Dibenzo(a,h)anthracene	1.203	1.329	1.219	1.229	1.279		1.252	4.1
Benzo(g,h,i)perylene	1.130	1.258	1.176	1.198	1.252		1.203	4.5
Acetophenone		2.253	2.087	2.271	2.328	2.152	2.218	4.4
2,3,4,6-Tetrachlorophenol	0.413	0.471	0.449	0.486	0.493		0.462	7.1
1,4-Dioxane-d8	0.534	0.566	0.473	0.528	0.473		0.515	7.9
Pyridine-d5		1.448	1.357	1.468	1.415	1.377	1.413	3.3

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP100724 SAS No.: BP100724 SDG No.: BP100724

Instrument ID: Calibration Date(s): 10/7/2024

Calibration Time(s): 16:41

LAB FILE ID: RRFAL1 = BP022257.D RRFAL2 = BP022258.D RRFAL3 = BP022259.D
RRFAL4 = BP022260.D RRFAL5 = BP022261.D RRFAL6 = BP022262.D

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Phenol-d5		1.627	1.561	1.694	1.785	1.750	1.684	5.4
Bis-(2-Chloroethyl)ether-d8		1.033	0.973	0.992	1.004	0.945	0.989	3.3
2-Chlorophenol-d4	1.073	1.236	1.160	1.230	1.274		1.195	6.6
4-Methylphenol-d8		1.277	1.230	1.385	1.449	1.377	1.344	6.6
Nitrobenzene-d5	0.139	0.157	0.150	0.161	0.162		0.154	6.2
2-Nitrophenol-d4	0.152	0.178	0.175	0.190	0.195		0.178	9.5
2,4-Dichlorophenol-d3	0.328	0.397	0.368	0.397	0.402		0.378	8.3
4-Chloroaniline-d4		0.462	0.423	0.462	0.461	0.426	0.447	4.6
4-Methylphenol		1.381	1.291	1.453	1.506	1.420	1.410	5.7
Dimethylphthalate-d6	1.498	1.686	1.560	1.608	1.593		1.589	4.3
Acenaphthylene-d8	1.529	1.784	1.643	1.745	1.738		1.688	6.1
4-Nitrophenol-d4		0.250	0.250	0.276	0.283	0.274	0.267	5.7
Fluorene-d10	1.270	1.487	1.333	1.401	1.400		1.378	5.9
4,6-Dinitro-2-methylphenol-		0.121	0.123	0.134	0.138	0.142	0.132	7.1
Anthracene-d10	0.881	1.002	0.927	0.937	0.957		0.941	4.7
Pyrene-d10	0.951	1.118	1.008	1.101	1.109		1.058	7.0
Benzo(a)pyrene-d12	0.962	1.129	1.011	1.102	1.137		1.068	7.2
N-Nitroso-di-n-propylamine	0.989	1.157	1.086	1.184	1.203		1.124	7.8

All other compounds must meet a minimum RRF of 0.010.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

EPA Sample No.: SSTD020623 Date Analyzed: Oct 17 2024 12:00AM

Lab File ID: BP022259.D Time Analyzed: 18:01

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	83605	7.705	315808	10.46	242644	14.32
	UPPER LIMIT	167210	8.205	631616	10.963	485288	14.816
	LOWER LIMIT	41802.5	7.205	157904	9.963	121322	13.816
	EPA SAMPLE NO.						
01	SBLK982	181088 *	7.66	651956 *	10.42	464937	14.29
02	DCYN6MEDL2	89014	7.66	303511	10.42	226040	14.29

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

EPA Sample No.: SSTD020660 Date Analyzed: Oct 17 2024 12:00AM

Lab File ID: BP022448.D Time Analyzed: 18:01

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	121151	7.663	453261	10.42	329974	14.29
	UPPER LIMIT	242302	8.163	906522	10.922	659948	14.787
	LOWER LIMIT	60575.5	7.163	226630.5	9.922	164987	13.787
	EPA SAMPLE NO.						
01	SBLK982	181088	7.66	651956	10.42	464937	14.29
02	DCYN6MEDL2	89014	7.66	303511	10.42	226040	14.29

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

EPA Sample No.: SSTD020623 Date Analyzed: Oct 17 2024 12:00AM

Lab File ID: BP022259.D Time Analyzed: 18:01

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	593138	17.11	695777	21.539	837782	24.821
	UPPER LIMIT	1186276	17.61	1391554	22.039	1675564	25.321
	LOWER LIMIT	296569	16.61	347888.5	21.039	418891	24.321
	EPA SAMPLE NO.						
01	SBLK982	988215	17.10	967896	21.52	1.21835e+	24.78
02	DCYN6MEDL2	537317	17.09	667004	21.51	821861	24.78

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

EPA Sample No.: SSTD020660 Date Analyzed: Oct 17 2024 12:00AM

Lab File ID: BP022448.D Time Analyzed: 18:01

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	713947	17.081	730158	21.498	967723	24.768
	UPPER LIMIT	1427894	17.581	1460316	21.998	1935446	25.268
	LOWER LIMIT	356973.5	16.581	365079	20.998	483861.5	24.268
	EPA SAMPLE NO.						
01	SBLK982	988215	17.10	967896	21.52	1.21835e+	24.78
02	DCYN6MEDL2	537317	17.09	667004	21.51	821861	24.78

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.

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SBLK982

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

Lab File ID: BP022449.D Lab Sample ID: PB163982BL

Instrument ID: BNA_P Date Extracted: 10/08/2024

Matrix: (soil/water) Solid Date Analyzed: 10/17/2024

Level: (low/med) LOW Time Analyzed: 18:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED

COMMENTS:

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

DCYN6MEDL2

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BP101724 SAS No.: BP101724 SDG NO.: BP101724

Lab File ID: BP022450.D Lab Sample ID: P4264-02MEDL2

Instrument ID: BNA_P Date Extracted: 10/15/2024

Matrix: (soil/water) Solid Date Analyzed: 10/17/2024

Level: (low/med) MED Time Analyzed: 18:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DCYN6MEDL2	P4264-02MEDL2	BP022450.D	10/17/2024

COMMENTS:

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

Surrogate Summary

SW-846

SDG No.: BP101724

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB163982BL	PB163982BL	BP022449.D	1,4-Dioxane-d8	8	4.21	53		15	120
			Pyridine-d5	40	19.71	49		20	120
			Phenol-d5	40	20.74	52		10	130
			Bis(2-Chloroethyl)ether-d8	40	21.29	53		10	150
			2-Chlorophenol-d4	40	23.44	59		15	120
			4-Methylphenol-d8	40	21.39	53		10	140
			Nitrobenzene-d5	40	24.44	61		10	135
			2-Nitrophenol-d4	40	25.92	65		10	120
			2,4-Dichlorophenol-d3	40	23.74	59		10	140
			4-Chloroaniline-d4	40	22.30	56		1	145
			Dimethylphthalate-d6	40	22.88	57		10	145
			Acenaphthylene-d8	40	23.61	59		15	120
			4-Nitrophenol-d4	40	17.04	43		10	150
			Fluorene-d10	40	22.55	56		20	140
			4,6-Dinitro-2-methylphenol-d2	40	19.94	50		10	130
			Anthracene-d10	40	22.88	57		10	150
			Pyrene-d10	40	24.69	62		10	130
			Benzo(a)pyrene-d12	40	19.49	49		10	140

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

Surrogate Summary

SW-846

SDG No.: BP101724

Client:

Analytical Method: SFAM_SVOC

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
P4264-02MEDL2	DCYN6MEDL2	BP022450.D	1,4-Dioxane-d8	8	6.46	81		15	120
			Pyridine-d5	40	18.58	46		20	120
			Phenol-d5	40	25.92	65		10	130
			Bis(2-Chloroethyl)ether-d8	40	30.12	75		10	150
			2-Chlorophenol-d4	40	28.90	72		15	120
			4-Methylphenol-d8	40	25.62	64		10	140
			Nitrobenzene-d5	40	33.02	83		10	135
			2-Nitrophenol-d4	40	31.06	78		10	120
			2,4-Dichlorophenol-d3	40	29.76	74		10	140
			4-Chloroaniline-d4	40	32.34	81		1	145
			Dimethylphthalate-d6	40	34.30	86		10	145
			Acenaphthylene-d8	40	31.64	79		15	120
			4-Nitrophenol-d4	40	19.08	48		10	150
			Fluorene-d10	40	33.88	85		20	140
			4,6-Dinitro-2-methylphenol-d2	40	17.32	43		10	130
			Anthracene-d10	40	34.46	86		10	150
			Pyrene-d10	40	31.98	80		10	130
			Benzo(a)pyrene-d12	40	33.44	84		10	140

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BP101724

Lab Code: CHEM SAS No.: BP101724 SDG NO.: BP101724

Lab File ID: BP022447.D DFTPP Injection Date: 10/17/2024

Instrument ID: BNA_P DFTPP Injection Time: 16:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	25.5
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	30.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	36.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	32.8
365	Greater than 1% of mass 198	4.3
441	Present, but less than mass 443	12.1
442	Greater than 50% of mass 198	77.4
443	15.0 - 24.0% of mass 442	14.9 (19.3) 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
SSTD020660	SSTDCCC020	BP022448.D	10/17/2024	17:20
SBLK982	PB163982BL	BP022449.D	10/17/2024	18:01
DCYN6MEDL2	P4264-02MEDL2	BP022450.D	10/17/2024	18:42
SSTD020661	SSTDCCC020EC	BP022451.D	10/17/2024	19:22