284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: BNA_F Calibration Date/Time: 1/28/2025 12 16:19

Lab File ID: BF141283.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.796	0.757		-4.899	
Pyridine	1.330	1.265		-4.887	
2-Fluorophenol	1.293	1.202		-7.038	
Benzaldehyde	0.982	0.852		-13.238	
Aniline	1.259	1.181		-6.195	
Phenol-d6	1.634	1.507		-7.772	
Phenol	1.732	1.603		-7.448	20.0
bis(2-Chloroethyl)ether	1.348	1.253		-7.047	
2-Chlorophenol	1.388	1.291		-6.988	
1,2-Dichlorobenzene	1.442	1.331		-7.698	
1,3-Dichlorobenzene	1.534	1.415		-7.757	
1,4-Dichlorobenzene	1.540	1.418		-7.922	20.0
Benzyl Alcohol	1.148	1.091		-4.965	
2-Methylphenol	1.116	1.011		-9.409	
2,2-oxybis(1-Chloropropane)	2.345	2.174		-7.292	
Acetophenone	0.475	0.434		-8.632	
3+4-Methylphenols	1.369	1.267		-7.451	
n-Nitroso-di-n-propylamine	0.965	0.875	0.050	-9.326	
Nitrobenzene-d5	0.379	0.356		-6.069	
Hexachloroethane	0.566	0.529		-6.537	
Nitrobenzene	0.392	0.371		-5.357	
Isophorone	0.654	0.613		-6.269	
2-Nitrophenol	0.181	0.177		-2.21	20.0
2,4-Dimethylphenol	0.223	0.213		-4.484	
bis(2-Chloroethoxy)methane	0.415	0.388		-6.506	
2,4-Dichlorophenol	0.286	0.272		-4.895	20.0
1,2,4-Trichlorobenzene	0.325	0.305		-6.154	
Benzoic acid	0.222	0.227		2.252	
Naphthalene	1.049	0.981		-6.482	
4-Chloroaniline	0.330	0.303		-8.182	
Hexachlorobutadiene	0.192	0.182		-5.208	20.0
Caprolactam	0.093	0.089		-4.301	
4-Chloro-3-methylphenol	0.309	0.294		-4.854	20.0
2-Methylnaphthalene	0.670	0.628		-6.269	
Hexachlorocyclopentadiene	0.173	0.180	0.050	4.046	
2,4,6-Trichlorophenol	0.374	0.368		-1.604	20.0
2-Fluorobiphenyl	1.290	1.169		-9.38	
2,4,5-Trichlorophenol	0.402	0.378		-5.97	
1,1-Biphenyl	1.560	1.457		-6.603	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: BNA_F Calibration Date/Time: 1/28/2025 12 16:19

Lab File ID: BF141283.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.205	1.135		-5.809	
2-Nitroaniline	0.380	0.366		-3.684	
Dimethylphthalate	1.333	1.244		-6.677	
Acenaphthylene	1.691	1.584		-6.328	
2,6-Dinitrotoluene	0.309	0.293		-5.178	
3-Nitroaniline	0.315	0.304		-3.492	
Acenaphthene	1.209	1.146		-5.211	20.0
2,4-Dinitrophenol	0.150	0.150	0.050	0.0	
4-Nitrophenol	0.225	0.223	0.050	-0.889	
Dibenzofuran	1.617	1.517		-6.184	
2,4-Dinitrotoluene	0.394	0.378		-4.061	
Diethylphthalate	1.287	1.205		-6.371	
4-Chlorophenyl-phenylether	0.608	0.562		-7.566	
Fluorene	1.255	1.157		-7.809	
4-Nitroaniline	0.301	0.292		-2.99	
4,6-Dinitro-2-methylphenol	0.120	0.128		6.667	
n-Nitrosodiphenylamine	0.644	0.627		-2.64	20.0
Azobenzene	1.300	1.222		-6.0	
2,4,6-Tribromophenol	0.204	0.196		-3.922	
4-Bromophenyl-phenylether	0.223	0.219		-1.794	
Hexachlorobenzene	0.250	0.243		-2.8	
Atrazine	0.133	0.130		-2.256	
Pentachlorophenol	0.144	0.149		3.472	20.0
Phenanthrene	1.078	1.021		-5.288	
Anthracene	1.050	1.020		-2.857	
Carbazole	0.939	0.909		-3.195	
Di-n-butylphthalate	1.108	1.057		-4.603	
Fluoranthene	1.056	1.012		-4.167	20.0
Benzidine	0.239	0.370		54.812	
Pyrene	1.910	1.814		-5.026	
Terphenyl-d14	1.278	1.195		-6.495	
Butylbenzylphthalate	0.653	0.612		-6.279	
3,3-Dichlorobenzidine	0.422	0.393		-6.872	
Benzo(a)anthracene	1.367	1.270		-7.096	
Chrysene	1.283	1.152		-10.21	
Bis(2-ethylhexyl)phthalate	0.810	0.745		-8.025	
Di-n-octyl phthalate	1.289	1.191		-7.603	20.0
Benzo(b)fluoranthene	1.226	1.115		-9.054	
Benzo(k)fluoranthene	1.132	1.120		-1.06	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: BNA_F Calibration Date/Time: 1/28/2025 12 16:19

Lab File ID: BF141283.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.067	1.028		-3.655	20.0
Indeno(1,2,3-cd)pyrene	1.416	1.407		-0.636	
Dibenzo(a,h)anthracene	1.129	1.128		-0.089	
Benzo(g,h,i)perylene	1.208	1.199		-0.745	
1,2,4,5-Tetrachlorobenzene	0.569	0.531		-6.678	
1,4-Dioxane	0.576	0.539		-6.424	20.0
2,3,4,6-Tetrachlorophenol	0.322	0.304		-5.59	
1-Methylnaphthalene	0.655	0.609		-7.023	

All other compounds must meet a minimum RRF of 0.010.

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBF012825		SDG No.:	BF012825	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	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
BF141287.D	1		1/28/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	38300		1000	8000	10000	ug/L
110-86-1	Pyridine	39800		1600	4000	5000	ug/L
100-52-7	Benzaldehyde	37500		4000	8000	10000	ug/L
62-53-3	Aniline	41300		1600	4000	5000	ug/L
108-95-2	Phenol	38300		930	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	37200		1200	4000	5000	ug/L
95-57-8	2-Chlorophenol	37700		710	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	37700		880	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	37600		800	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	37700		840	4000	5000	ug/L
100-51-6	Benzyl Alcohol	38700		1600	8000	10000	ug/L
95-48-7	2-Methylphenol	37500		1100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	37700		1400	4000	5000	ug/L
98-86-2	Acetophenone	36700		1100	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	37700		1200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	37500		1500	2500	2500	ug/L
67-72-1	Hexachloroethane	38100		1000	4000	5000	ug/L
98-95-3	Nitrobenzene	38000		1300	4000	5000	ug/L
78-59-1	Isophorone	38000		1100	4000	5000	ug/L
88-75-5	2-Nitrophenol	40000		2000	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	38600		1500	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38100		1000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	38200		880	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	37900		1100	4000	5000	ug/L
65-85-0	Benzoic acid	41800		5500	8000	10000	ug/L
91-20-3	Naphthalene	37300		1000	4000	5000	ug/L
106-47-8	4-Chloroaniline	39100		1300	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	37600		1300	4000	5000	ug/L

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Report of Analysis

Client:			Date Collected:		
Project:			Date Received:		
Client Sample ID:	ICVBF012825		SDG No.:	BF012825	
Lab Sample ID:	SSTDICV040		Matrix:	Water	
Analytical Method:	8270E		% Moisture:	100	
Sample Wt/Vol:	1000 Units:	mL	Final Vol:	1000000	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
BF141287.D	1		1/28/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	38300		1700	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	37800		840	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	37400		1100	4000	5000	ug/L
77-47-4	Hexachlorocyclopentadiene	41100		5000	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	39200		890	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	37700		1000	4000	5000	ug/L
92-52-4	1,1-Biphenyl	36700		910	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	36900		970	4000	5000	ug/L
88-74-4	2-Nitroaniline	38800		1400	4000	5000	ug/L
131-11-3	Dimethylphthalate	37700		930	4000	5000	ug/L
208-96-8	Acenaphthylene	37400		1000	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	38800		1200	4000	5000	ug/L
99-09-2	3-Nitroaniline	38500		1400	4000	5000	ug/L
83-32-9	Acenaphthene	37800		810	4000	5000	ug/L
Total PAH	Total PAH	598300		17360	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	41300		6400	8000	10000	ug/L
100-02-7	4-Nitrophenol	41000		2000	8000	10000	ug/L
132-64-9	Dibenzofuran	37400		930	4000	5000	ug/L
121-14-2	2,4-Dinitrotoluene	39200		1500	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixtur	78000		2700	4000	10000	ug/L
84-66-2	Diethylphthalate	37300		1000	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36500		980	4000	5000	ug/L
86-73-7	Fluorene	36700		960	4000	5000	ug/L
100-01-6	4-Nitroaniline	38800		2000	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43800		3100	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	39300		890	4000	5000	ug/L
103-33-3	Azobenzene	37300		1200	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	39900		950	4000	5000	ug/L
118-74-1	Hexachlorobenzene	39200		1100	4000	5000	ug/L
1912-24-9	Atrazine	39000		1300	4000	5000	ug/L

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Report of Analysis

Client:				Date Collected:	
Project:				Date Received:	
Client Sample ID:	ICVBF012825			SDG No.:	BF012825
Lab Sample ID:	SSTDICV040			Matrix:	Water
Analytical Method:	8270E			% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000 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
BF141287.D	1		1/28/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	41800		1900	8000	10000	ug/L
85-01-8	Phenanthrene	38500		890	4000	5000	ug/L
120-12-7	Anthracene	38700		1100	4000	5000	ug/L
86-74-8	Carbazole	38800		1200	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	39300		1500	4000	5000	ug/L
206-44-0	Fluoranthene	38200		1300	4000	5000	ug/L
92-87-5	Benzidine	55300		4100	8000	10000	ug/L
129-00-0	Pyrene	36900		1100	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	37500		2100	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	36900		1300	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	35900		940	4000	5000	ug/L
218-01-9	Chrysene	36700		860	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	37600		1900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	38300		2500	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	40200		1100	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	33700		1200	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	37200		1700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	37900		1000	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	37900		1200	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	37300		1200	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	37700		1100	4000	5000	ug/L
123-91-1	1,4-Dioxane	37000		1300	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	38000		790	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	37500		860	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	75649	*	10-139		50433	SPK: -150
13127-88-3	Phenol-d6	74877	*	10-134		49918	SPK: -150
4165-60-0	Nitrobenzene-d5	76111	*	49-133		76111	SPK: -100
321-60-8	2-Fluorobiphenyl	72405	*	52-132		72405	SPK: -100

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Report of Analysis

Client:				Date Collected:			
Project:				Date Received:			
Client Sample ID:	ICVBF012825			SDG No.:	BF012825		
Lab Sample ID:	SSTDICV040			Matrix:	Water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000000		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
BF141287.D	1		1/28/2025 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76824	*	44-137		51216	SPK: -150
1718-51-0	Terphenyl-d14	73298	*	48-125		73298	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	146733	6.798				
1146-65-2	Naphthalene-d8	573257	8.081				
15067-26-2	Acenaphthene-d10	305102	9.839				
1517-22-2	Phenanthrene-d10	489446	11.322				
1719-03-5	Chrysene-d12	282846	13.969				
1520-96-3	Perylene-d12	310631	15.421				

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Report of Analysis

Client:				Date Collected:	1/22/2025 12:00:00 AM
Project:				Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL			SDG No.:	BF012825
Lab Sample ID:	PB166167BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 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
BF141288.D	1	1/22/2025 12:00:00 AM	1/28/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.7	U	86.7	270	330	ug/Kg
110-86-1	Pyridine	79.8	U	79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.8	U	96.8	130	170	ug/Kg
108-95-2	Phenol	82.8	U	82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.5	U	84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	85.9	U	85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.4	U	86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	82.9	U	82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	130	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	130	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.3	U	85.3	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	130	170	ug/Kg

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Report of Analysis

Client:				Date Collected:	1/22/2025 12:00:00 AM
Project:				Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL			SDG No.:	BF012825
Lab Sample ID:	PB166167BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 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
BF141288.D	1	1/22/2025 12:00:00 AM	1/28/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

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

Report of Analysis

Client:				Date Collected:	1/22/2025 12:00:00 AM
Project:				Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL			SDG No.:	BF012825
Lab Sample ID:	PB166167BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 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
BF141288.D	1	1/22/2025 12:00:00 AM	1/28/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.951		18-112		87	SPK: -150
13127-88-3	Phenol-d6	129.663		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	89.161		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	86.13		20-109		86	SPK: -100

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Report of Analysis

Client:				Date Collected:	1/22/2025 12:00:00 AM
Project:				Date Received:	1/22/2025 12:00:00 AM
Client Sample ID:	PB166167BL			SDG No.:	BF012825
Lab Sample ID:	PB166167BL			Matrix:	Solid
Analytical Method:	8270E			% Moisture:	0
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 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
BF141288.D	1	1/22/2025 12:00:00 AM	1/28/2025 12:00:00 AM	PB166167

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.474		10-116		88	SPK: -150
1718-51-0	Terphenyl-d14	87.541		10-105		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129691	6.798				
1146-65-2	Naphthalene-d8	528400	8.081				
15067-26-2	Acenaphthene-d10	286472	9.833				
1517-22-2	Phenanthrene-d10	505979	11.322				
1719-03-5	Chrysene-d12	325514	13.963				
1520-96-3	Perylene-d12	271131	15.415				

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Hit Summary Sheet
SW-846

SDG No.: BF012825

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID :	**ICVBF012825**							
SSTDICV040	ICVBF012825	Water	1,1-Biphenyl	36,700.000		910	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,2,4,5-Tetrachlorobenzene	37,700.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,2,4-Trichlorobenzene	37,900.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,2-Dichlorobenzene	37,700.000		880	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,3-Dichlorobenzene	37,600.000		800	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,4-Dichlorobenzene	37,700.000		840	5000	ug/L
SSTDICV040	ICVBF012825	Water	1,4-Dioxane	37,000.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	1-Methylnaphthalene	37,500.000		860	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,2-oxybis(1-Chloropropane)	37,700.000		1400	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,3,4,6-Tetrachlorophenol	38,000.000		790	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4,5-Trichlorophenol	37,700.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4,6-Trichlorophenol	39,200.000		890	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4-Dichlorophenol	38,200.000		880	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4-Dimethylphenol	38,600.000		1500	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4-Dinitrophenol	41,300.000		6400	10000	ug/L
SSTDICV040	ICVBF012825	Water	2,4-Dinitrotoluene	39,200.000		1500	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,6-Dinitrotoluene	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Chloronaphthalene	36,900.000		970	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Chlorophenol	37,700.000		710	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Methylnaphthalene	37,400.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Methylphenol	37,500.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Nitroaniline	38,800.000		1400	5000	ug/L
SSTDICV040	ICVBF012825	Water	2-Nitrophenol	40,000.000		2000	5000	ug/L
SSTDICV040	ICVBF012825	Water	3+4-Methylphenols	37,700.000		1200	10000	ug/L
SSTDICV040	ICVBF012825	Water	3,3-Dichlorobenzidine	36,900.000		1300	10000	ug/L
SSTDICV040	ICVBF012825	Water	3-Nitroaniline	38,500.000		1400	5000	ug/L
SSTDICV040	ICVBF012825	Water	4,6-Dinitro-2-methylphenol	43,800.000		3100	10000	ug/L
SSTDICV040	ICVBF012825	Water	4-Bromophenyl-phenylether	39,900.000		950	5000	ug/L
SSTDICV040	ICVBF012825	Water	4-Chloro-3-methylphenol	37,800.000		840	5000	ug/L
SSTDICV040	ICVBF012825	Water	4-Chloroaniline	39,100.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	4-Chlorophenyl-phenylether	36,500.000		980	5000	ug/L
SSTDICV040	ICVBF012825	Water	4-Nitroaniline	38,800.000		2000	5000	ug/L
SSTDICV040	ICVBF012825	Water	4-Nitrophenol	41,000.000		2000	10000	ug/L
SSTDICV040	ICVBF012825	Water	Acenaphthene	37,800.000		810	5000	ug/L
SSTDICV040	ICVBF012825	Water	Acenaphthylene	37,400.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	Acetophenone	36,700.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Aniline	41,300.000		1600	5000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BF012825

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF012825	Water	Anthracene	38,700.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Atrazine	39,000.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	Azobenzene	37,300.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzaldehyde	37,500.000		4000	10000	ug/L
SSTDICV040	ICVBF012825	Water	Benzidine	55,300.000		4100	10000	ug/L
SSTDICV040	ICVBF012825	Water	Benzo(a)anthracene	35,900.000		940	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzo(a)pyrene	37,200.000		1700	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzo(b)fluoranthene	40,200.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzo(g,h,i)perylene	37,300.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzo(k)fluoranthene	33,700.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Benzoic acid	41,800.000		5500	10000	ug/L
SSTDICV040	ICVBF012825	Water	Benzyl Alcohol	38,700.000		1600	10000	ug/L
SSTDICV040	ICVBF012825	Water	bis(2-Chloroethoxy)methane	38,100.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	bis(2-Chloroethyl)ether	37,200.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Bis(2-ethylhexyl)phthalate	37,600.000		1900	5000	ug/L
SSTDICV040	ICVBF012825	Water	Butylbenzylphthalate	37,500.000		2100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Caprolactam	38,300.000		1700	10000	ug/L
SSTDICV040	ICVBF012825	Water	Carbazole	38,800.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Chrysene	36,700.000		860	5000	ug/L
SSTDICV040	ICVBF012825	Water	Di-n-butylphthalate	39,300.000		1500	5000	ug/L
SSTDICV040	ICVBF012825	Water	Di-n-octyl phthalate	38,300.000		2500	10000	ug/L
SSTDICV040	ICVBF012825	Water	Dibenzo(a,h)anthracene	37,900.000		1200	5000	ug/L
SSTDICV040	ICVBF012825	Water	Dibenzofuran	37,400.000		930	5000	ug/L
SSTDICV040	ICVBF012825	Water	Diethylphthalate	37,300.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	Dimethylphthalate	37,700.000		930	5000	ug/L
SSTDICV040	ICVBF012825	Water	Fluoranthene	38,200.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	Fluorene	36,700.000		960	5000	ug/L
SSTDICV040	ICVBF012825	Water	Hexachlorobenzene	39,200.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Hexachlorobutadiene	37,600.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	Hexachlorocyclopentadiene	41,100.000		5000	10000	ug/L
SSTDICV040	ICVBF012825	Water	Hexachloroethane	38,100.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	Indeno(1,2,3-cd)pyrene	37,900.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	Isophorone	38,000.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	n-Nitroso-di-n-propylamine	37,500.000		1500	2500	ug/L
SSTDICV040	ICVBF012825	Water	n-Nitrosodimethylamine	38,300.000		1000	10000	ug/L
SSTDICV040	ICVBF012825	Water	n-Nitrosodiphenylamine	39,300.000		890	5000	ug/L
SSTDICV040	ICVBF012825	Water	Naphthalene	37,300.000		1000	5000	ug/L
SSTDICV040	ICVBF012825	Water	Nitrobenzene	38,000.000		1300	5000	ug/L
SSTDICV040	ICVBF012825	Water	Pentachlorophenol	41,800.000		1900	10000	ug/L
SSTDICV040	ICVBF012825	Water	Phenanthrene	38,500.000		890	5000	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: BF012825

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
SSTDICV040	ICVBF012825	Water	Phenol	38,300.000		930	5000	ug/L
SSTDICV040	ICVBF012825	Water	Pyrene	36,900.000		1100	5000	ug/L
SSTDICV040	ICVBF012825	Water	Pyridine	39,800.000		1600	5000	ug/L
SSTDICV040	ICVBF012825	Water	2,4-Dinitrotoluene/2,6-Dinitrotolu	78,000.000		2700	10000	ug/L
SSTDICV040	ICVBF012825	Water	Total PAH	598,300.000		17360	80000	ug/L
			Total Svoc :	**3,753,500.00**				
			Total Concentration:	**3,753,500.00**				

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: Calibration Date(s): 1/28/2025

Calibration Time(s): 14:31

LAB FILE ID: RRF2.5 = BF141279.D RRF005 = BF141280.D RRF010 = BF141281.D
RRF020 = BF141282.D RRF040 = BF141283.D RRF050 = BF141284.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.793	0.816	0.829	0.757	0.793	0.796	2.9
Pyridine		1.342	1.316	1.407	1.265	1.336	1.330	3.4
2-Fluorophenol		1.430	1.405	1.400	1.202	1.230	1.293	8.8
Benzaldehyde		1.211	1.134	1.092	0.852	0.835	0.982	18.9
Aniline		1.316	1.371	1.357	1.181	1.228	1.259	7.3
Phenol-d6		1.822	1.784	1.754	1.507	1.550	1.634	9.0
Phenol		1.926	1.901	1.880	1.603	1.652	1.732	9.4
bis(2-Chloroethyl)ether		1.479	1.453	1.428	1.253	1.288	1.348	7.6
2-Chlorophenol		1.544	1.501	1.503	1.291	1.326	1.388	9.0
1,2-Dichlorobenzene		1.662	1.598	1.581	1.331	1.356	1.442	11.6
1,3-Dichlorobenzene		1.734	1.669	1.654	1.415	1.465	1.534	9.6
1,4-Dichlorobenzene		1.729	1.673	1.675	1.418	1.471	1.540	9.6
Benzyl Alcohol		1.172	1.246	1.240	1.091	1.121	1.148	6.5
2-Methylphenol		1.251	1.219	1.151	1.011	1.073	1.116	8.3
2,2-oxybis(1-Chloropropane)		2.564	2.553	2.506	2.174	2.265	2.345	8.1
Acetophenone		0.556	0.529	0.505	0.434	0.446	0.475	11.5
3+4-Methylphenols		1.588	1.504	1.512	1.267	1.278	1.369	11.8
n-Nitroso-di-n-propylamine	1.041	1.058	1.031	1.028	0.875	0.912	0.965	8.5
Nitrobenzene-d5		0.404	0.400	0.400	0.356	0.370	0.379	5.9
Hexachloroethane		0.604	0.609	0.610	0.529	0.549	0.566	7.1
Nitrobenzene		0.411	0.410	0.412	0.371	0.384	0.392	5.3
Isophorone		0.703	0.687	0.681	0.613	0.636	0.654	5.7
2-Nitrophenol		0.173	0.180	0.189	0.177	0.184	0.181	3.5
2,4-Dimethylphenol		0.227	0.228	0.235	0.213	0.222	0.223	3.7
bis(2-Chloroethoxy)methane		0.444	0.442	0.438	0.388	0.403	0.415	6.3
2,4-Dichlorophenol		0.303	0.303	0.305	0.272	0.279	0.286	6.0
1,2,4-Trichlorobenzene		0.357	0.350	0.343	0.305	0.316	0.325	7.6
Benzoic acid		0.159	0.197	0.228	0.227	0.243	0.222	14.8
Naphthalene		1.189	1.143	1.116	0.981	1.000	1.049	9.5
4-Chloroaniline		0.346	0.348	0.339	0.303	0.324	0.330	5.0
Hexachlorobutadiene		0.212	0.202	0.207	0.182	0.185	0.192	7.6
Caprolactam		0.097	0.097	0.095	0.089	0.094	0.093	3.8
4-Chloro-3-methylphenol		0.328	0.326	0.327	0.294	0.300	0.309	6.0
2-Methylnaphthalene		0.762	0.739	0.713	0.628	0.632	0.670	10.1
Hexachlorocyclopentadiene		0.133	0.159	0.186	0.180	0.186	0.173	11.7
2,4,6-Trichlorophenol		0.373	0.393	0.399	0.368	0.369	0.374	4.6

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.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: Calibration Date(s): 1/28/2025

Calibration Time(s): 14:31

LAB FILE ID: RRF2.5 = BF141279.D RRF005 = BF141280.D RRF010 = BF141281.D
RRF020 = BF141282.D RRF040 = BF141283.D RRF050 = BF141284.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.577	1.462	1.423	1.169	1.161	1.290	14.9
2,4,5-Trichlorophenol		0.420	0.424	0.432	0.378	0.392	0.402	5.7
1,1-Biphenyl		1.793	1.706	1.694	1.457	1.460	1.560	10.7
2-Chloronaphthalene		1.363	1.287	1.295	1.135	1.141	1.205	9.0
2-Nitroaniline		0.370	0.388	0.397	0.366	0.382	0.380	3.3
Dimethylphthalate		1.476	1.436	1.418	1.244	1.268	1.333	8.1
Acenaphthylene		1.889	1.822	1.836	1.584	1.608	1.691	9.2
2,6-Dinitrotoluene		0.318	0.324	0.334	0.293	0.304	0.309	5.5
3-Nitroaniline		0.316	0.334	0.328	0.304	0.311	0.315	4.6
Acenaphthene		1.313	1.301	1.291	1.146	1.155	1.209	7.5
2,4-Dinitrophenol			0.108	0.137	0.150	0.166	0.150	16.3
4-Nitrophenol		0.181	0.219	0.243	0.223	0.239	0.225	10.2
Dibenzofuran		1.812	1.777	1.763	1.517	1.515	1.617	10.1
2,4-Dinitrotoluene		0.381	0.422	0.432	0.378	0.388	0.394	6.7
Diethylphthalate		1.448	1.401	1.387	1.205	1.216	1.287	9.7
4-Chlorophenyl-phenylether		0.702	0.686	0.669	0.562	0.565	0.608	12.6
Fluorene		1.490	1.413	1.373	1.157	1.150	1.255	13.3
4-Nitroaniline		0.283	0.311	0.326	0.292	0.304	0.301	6.1
4,6-Dinitro-2-methylphenol		0.082	0.109	0.120	0.128	0.131	0.120	15.9
n-Nitrosodiphenylamine		0.700	0.682	0.674	0.627	0.614	0.644	6.2
Azobenzene		1.443	1.406	1.389	1.222	1.227	1.300	8.5
2,4,6-Tribromophenol		0.213	0.221	0.221	0.196	0.196	0.204	7.0
4-Bromophenyl-phenylether		0.235	0.233	0.234	0.219	0.214	0.223	4.7
Hexachlorobenzene		0.274	0.262	0.260	0.243	0.238	0.250	6.3
Atrazine		0.219	0.203	0.159	0.130	0.089	0.133	48.2
Pentachlorophenol		0.117	0.143	0.150	0.149	0.150	0.144	8.6
Phenanthrene		1.227	1.180	1.153	1.021	1.006	1.078	9.9
Anthracene		1.180	1.147	1.133	1.020	0.987	1.050	9.7
Carbazole		1.047	1.018	1.003	0.909	0.889	0.939	9.0
Di-n-butylphthalate		1.241	1.220	1.193	1.057	1.051	1.108	9.9
Fluoranthene		1.220	1.175	1.142	1.012	0.988	1.056	11.7
Benzidine		0.149	0.086	0.173	0.370	0.310	0.239	43.6
Pyrene		2.151	2.021	2.048	1.814	1.870	1.910	9.4
Terphenyl-d14		1.500	1.410	1.381	1.195	1.228	1.278	12.6
Butylbenzylphthalate		0.657	0.684	0.704	0.612	0.664	0.653	6.3
3,3-Dichlorobenzidine		0.409	0.440	0.449	0.393	0.419	0.422	4.5

All other compounds must meet a minimum RRF of 0.010.

CHEMTECH

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG No.: BF012825

Instrument ID: Calibration Date(s): 1/28/2025

Calibration Time(s): 14:31

LAB FILE ID: RRF2.5 = BF141279.D RRF005 = BF141280.D RRF010 = BF141281.D
RRF020 = BF141282.D RRF040 = BF141283.D RRF050 = BF141284.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.465	1.501	1.461	1.270	1.328	1.367	7.8
Chrysene		1.406	1.327	1.306	1.152	1.268	1.283	6.2
Bis(2-ethylhexyl)phthalate		0.863	0.874	0.864	0.745	0.809	0.810	7.7
Di-n-octyl phthalate		1.147	1.274	1.325	1.191	1.364	1.289	7.0
Benzo(b)fluoranthene		1.281	1.288	1.287	1.115	1.166	1.226	5.7
Benzo(k)fluoranthene		1.243	1.219	1.191	1.120	1.119	1.132	8.1
Benzo(a)pyrene		1.103	1.106	1.118	1.028	1.047	1.067	3.9
Indeno(1,2,3-cd)pyrene		1.378	1.391	1.467	1.407	1.429	1.416	2.2
Dibenzo(a,h)anthracene		1.065	1.122	1.172	1.128	1.144	1.129	2.9
Benzo(g,h,i)perylene		1.187	1.190	1.250	1.199	1.211	1.208	2.1
1,2,4,5-Tetrachlorobenzene		0.642	0.600	0.618	0.531	0.536	0.569	8.8
1,4-Dioxane		0.622	0.582	0.610	0.539	0.565	0.576	5.4
2,3,4,6-Tetrachlorophenol		0.335	0.340	0.348	0.304	0.311	0.322	6.0
1-Methylnaphthalene		0.742	0.721	0.705	0.609	0.620	0.655	10.1

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.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 28 2025 12:00AM

Lab File ID: BF141283.D Time Analyzed: 18:31

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	144668	6.798	552728	8.08	291666	9.84
	UPPER LIMIT	289336	7.298	1105456	8.581	583332	10.339
	LOWER LIMIT	72334	6.298	276364	7.581	145833	9.339
	EPA SAMPLE NO.						
01	ICVBF012825	146733	6.80	573257	8.08	305102	9.84
02	PB166167BL	129691	6.80	528400	8.08	286472	9.83

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.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 28 2025 12:00AM

Lab File ID: BF141283.D Time Analyzed: 18:31

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	144668	6.798	552728	8.08	291666	9.84
	UPPER LIMIT	289336	7.298	1105456	8.581	583332	10.339
	LOWER LIMIT	72334	6.298	276364	7.581	145833	9.339
	EPA SAMPLE NO.						
01	ICVBF012825	146733	6.80	573257	8.08	305102	9.84
02	PB166167BL	129691	6.80	528400	8.08	286472	9.83

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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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 28 2025 12:00AM

Lab File ID: BF141283.D Time Analyzed: 18:31

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	471174	11.322	261322	13.963	279443	15.415
	UPPER LIMIT	942348	11.822	522644	14.463	558886	15.915
	LOWER LIMIT	235587	10.822	130661	13.463	139721.5	14.915
	EPA SAMPLE NO.						
01	ICVBF012825	489446	11.32	282846	13.97	310631	15.42
02	PB166167BL	505979	11.32	325514	13.96	271131	15.42

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.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

EPA Sample No.: SSTDICCC040 Date Analyzed: Jan 28 2025 12:00AM

Lab File ID: BF141283.D Time Analyzed: 18:31

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	471174	11.322	261322	13.963	279443	15.415
	UPPER LIMIT	942348	11.822	522644	14.463	558886	15.915
	LOWER LIMIT	235587	10.822	130661	13.463	139721.5	14.915
	EPA SAMPLE NO.						
01	ICVBF012825	489446	11.32	282846	13.97	310631	15.42
02	PB166167BL	505979	11.32	325514	13.96	271131	15.42

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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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

ICVBF012825

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

Lab File ID: BF141287.D Lab Sample ID: SSTDICV040

Instrument ID: BNA_F Date Extracted:

Matrix: (soil/water) Water Date Analyzed: 01/28/2025

Level: (low/med) LOW Time Analyzed: 18:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ICVBF012825	SSTDICV040	BF141287.D	01/28/2025

COMMENTS:

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166167BL

Lab Name: CHEMTECH Contract:

Lab Code: CHEM Case No.: BF012825 SAS No.: BF012825 SDG NO.: BF012825

Lab File ID: BF141288.D Lab Sample ID: PB166167BL

Instrument ID: BNA_F Date Extracted: 01/22/2025

Matrix: (soil/water) Solid Date Analyzed: 01/28/2025

Level: (low/med) LOW Time Analyzed: 18:56

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

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

COMMENTS:

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Surrogate Summary

SW-846

SDG No.: BF012825

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
SSTDICV040	ICVBF012825	BF141287.D	2-Fluorophenol	150	75,649.00	50433	*	10	139
			Phenol-d6	150	74,877.00	49918	*	10	134
			Nitrobenzene-d5	100	76,111.00	76111	*	49	133
			2-Fluorobiphenyl	100	72,405.00	72405	*	52	132
			2,4,6-Tribromophenol	150	76,824.00	51216	*	44	137
			Terphenyl-d14	100	73,298.00	73298	*	48	125

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Surrogate Summary

SW-846

SDG No.: BF012825

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166167BL	PB166167BL	BF141288.D	2-Fluorophenol	150	130.95	87		18	112
			Phenol-d6	150	129.66	86		15	107
			Nitrobenzene-d5	100	89.16	89		18	107
			2-Fluorobiphenyl	100	86.13	86		20	109
			2,4,6-Tribromophenol	150	132.47	88		10	116
			Terphenyl-d14	100	87.54	88		10	105

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: BF012825

Lab Code: CHEM SAS No.: BF012825 SDG NO.: BF012825

Lab File ID: BF141278.D DFTPP Injection Date: 01/28/2025

Instrument ID: BNA_F DFTPP Injection Time: 14:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.1
68	Less than 2.0% of mass 69	0.6 (1.6) 1
69	Mass 69 relative abundance	37.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	49.3
197	Less than 2.0% of mass 198	0.0
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	26.7
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	14.4
442	Greater than 50% of mass 198	91.9
443	15.0 - 24.0% of mass 442	17.3 (18.8) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141279.D	01/28/2025	14:31
SSTDICC005	SSTDICC005	BF141280.D	01/28/2025	14:58
SSTDICC010	SSTDICC010	BF141281.D	01/28/2025	15:24
SSTDICC020	SSTDICC020	BF141282.D	01/28/2025	15:51
SSTDICCC040	SSTDICCC040	BF141283.D	01/28/2025	16:19
SSTDICC050	SSTDICC050	BF141284.D	01/28/2025	16:45
SSTDICC060	SSTDICC060	BF141285.D	01/28/2025	17:12
SSTDICC080	SSTDICC080	BF141286.D	01/28/2025	17:38
ICVBF012825	SSTDICV040	BF141287.D	01/28/2025	18:31
PB166167BL	PB166167BL	BF141288.D	01/28/2025	18:56