

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF072224 SAS No.: BF072224 SDG No.: BF072224

Instrument ID: BNA_F Calibration Date/Time: 7/22/2024 11:40

Lab File ID: BF138601.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.898	0.888		-1.114	
Pyridine	1.379	1.461		5.946	
2-Fluorophenol	1.263	1.288		1.979	
Benzaldehyde	0.899	0.934		3.893	
Aniline	1.573	1.645		4.577	
Phenol-d6	1.680	1.741		3.631	
Phenol	1.783	1.838		3.085	20.0
bis(2-Chloroethyl) ether	1.343	1.392		3.649	
2-Chlorophenol	1.335	1.361		1.948	
1,2-Dichlorobenzene	1.420	1.411		-0.634	
1,3-Dichlorobenzene	1.501	1.504		0.2	
1,4-Dichlorobenzene	1.524	1.532		0.525	20.0
Benzyl Alcohol	1.261	1.298		2.934	
2-Methylphenol	1.094	1.146		4.753	
2,2-oxybis(1-Chloropropane)	2.640	2.564		-2.879	
Acetophenone	0.486	0.486		0.0	
3+4-Methylphenols	1.378	1.407		2.104	
n-Nitroso-di-n-propylamine	1.038	1.051	0.050	1.252	
Nitrobenzene-d5	0.407	0.421		3.44	
Hexachloroethane	0.560	0.565		0.893	
Nitrobenzene	0.414	0.429		3.623	
Isophorone	0.700	0.723		3.286	
2-Nitrophenol	0.177	0.188		6.215	20.0
2,4-Dimethylphenol	0.218	0.224		2.752	
bis(2-Chloroethoxy) methane	0.418	0.431		3.11	
2,4-Dichlorophenol	0.283	0.281		-0.707	20.0
1,2,4-Trichlorobenzene	0.330	0.318		-3.636	
Benzoic acid	0.208	0.200		-3.846	
Naphthalene	1.040	1.046		0.577	
4-Chloroaniline	0.365	0.364		-0.274	
Hexachlorobutadiene	0.203	0.192		-5.419	20.0
Caprolactam	0.091	0.093		2.198	
4-Chloro-3-methylphenol	0.317	0.326		2.839	20.0
2-Methylnaphthalene	0.669	0.663		-0.897	
Hexachlorocyclopentadiene	0.181	0.212	0.050	17.127	
2,4,6-Trichlorophenol	0.356	0.340		-4.494	20.0
2-Fluorobiphenyl	1.280	1.245		-2.734	
2,4,5-Trichlorophenol	0.391	0.371		-5.115	
1,1-Biphenyl	1.516	1.515		-0.066	

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Instrument ID: BNA_F Calibration Date/Time: 7/22/2024 11:40
Lab File ID: BF138601.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.145	1.126		-1.659	
2-Nitroaniline	0.397	0.418		5.29	
Dimethylphthalate	1.293	1.293		0.0	
Acenaphthylene	1.626	1.620		-0.369	
2,6-Dinitrotoluene	0.298	0.301		1.007	
3-Nitroaniline	0.305	0.308		0.984	
Acenaphthene	1.081	1.080		-0.093	20.0
2,4-Dinitrophenol	0.141	0.136	0.050	-3.546	
4-Nitrophenol	0.225	0.213	0.050	-5.333	
Dibenzofuran	1.567	1.531		-2.297	
2,4-Dinitrotoluene	0.385	0.386		0.26	
Diethylphthalate	1.247	1.240		-0.561	
4-Chlorophenyl-phenylether	0.623	0.595		-4.494	
Fluorene	1.240	1.224		-1.29	
4-Nitroaniline	0.306	0.303		-0.98	
4,6-Dinitro-2-methylphenol	0.115	0.124		7.826	
n-Nitrosodiphenylamine	0.599	0.603		0.668	20.0
Azobenzene	1.340	1.359		1.418	
2,4,6-Tribromophenol	0.187	0.183		-2.139	
4-Bromophenyl-phenylether	0.206	0.207		0.485	
Hexachlorobenzene	0.228	0.233		2.193	
Atrazine	0.199	0.151		-24.121	
Pentachlorophenol	0.135	0.124		-8.148	20.0
Phenanthrene	1.010	1.001		-0.891	
Anthracene	1.003	0.996		-0.698	
Carbazole	0.901	0.897		-0.444	
Di-n-butylphthalate	1.039	1.080		3.946	
Fluoranthene	1.031	1.009		-2.134	20.0
Benzidine	0.505	0.391		-22.574	
Pyrene	2.030	2.078		2.365	
Terphenyl-d14	1.228	1.285		4.642	
Butylbenzylphthalate	0.611	0.706		15.548	
3,3-Dichlorobenzidine	0.346	0.344		-0.578	
Benzo(a)anthracene	1.342	1.400		4.322	
Chrysene	1.270	1.182		-6.929	
Bis(2-ethylhexyl)phthalate	0.651	0.797		22.427	
Di-n-octyl phthalate	1.029	1.092		6.122	20.0
Benzo(b)fluoranthene	1.126	1.158		2.842	
Benzo(k)fluoranthene	1.099	0.963		-12.375	

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Lab Name: CHEMTECH Contract: _____

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Instrument ID: BNA_F Calibration Date/Time: 7/22/2024 11:40

Lab File ID: BF138601.D Init. Calib. Date(s): _____

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.989	0.985		-0.404	20.0
Indeno(1,2,3-cd)pyrene	1.343	1.474		9.754	
Dibenzo(a,h)anthracene	1.099	1.208		9.918	
Benzo(g,h,i)perylene	1.165	1.302		11.76	
1,2,4,5-Tetrachlorobenzene	0.557	0.522		-6.284	
1,4-Dioxane	0.559	0.593		6.082	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.290		-6.149	
1-Methylnaphthalene	0.653	0.647		-0.919	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162092TB	SDG No.:	BF072224
Lab Sample ID:	PB162092TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138602.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162092TB	SDG No.:	BF072224
Lab Sample ID:	PB162092TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138602.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162092TB	SDG No.:	BF072224
Lab Sample ID:	PB162092TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138602.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	131.828		10-139		88	SPK: -150
13127-88-3	Phenol-d6	133.823		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	90.675		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	87.036		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162092TB	SDG No.:	BF072224
Lab Sample ID:	PB162092TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF138602.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.689		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	71.409		36-145		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91196	6.857				
1146-65-2	Naphthalene-d8	365105	8.14				
15067-26-2	Acenaphthene-d10	204211	9.892				
1517-22-2	Phenanthrene-d10	365195	11.381				
1719-03-5	Chrysene-d12	290872	14.016				
1520-96-3	Perylene-d12	175870	15.486				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162093TB	SDG No.:	BF072224
Lab Sample ID:	PB162093TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138603.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162093TB	SDG No.:	BF072224
Lab Sample ID:	PB162093TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF138603.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162093TB	SDG No.:	BF072224
Lab Sample ID:	PB162093TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138603.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.34		10-139		89	SPK: -150
13127-88-3	Phenol-d6	133.626		10-134		89	SPK: -150
4165-60-0	Nitrobenzene-d5	91.208		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	87.969		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162093TB	SDG No.:	BF072224
Lab Sample ID:	PB162093TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF138603.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	126.065		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	91.788		36-145		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	83332	6.857				
1146-65-2	Naphthalene-d8	332437	8.139				
15067-26-2	Acenaphthene-d10	182766	9.892				
1517-22-2	Phenanthrene-d10	312141	11.38				
1719-03-5	Chrysene-d12	193398	14.015				
1520-96-3	Perylene-d12	155993	15.486				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162114BS	SDG No.:	BF072224
Lab Sample ID:	PB162114BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138604.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.6		1	8	10	ug/L
110-86-1	Pyridine	42.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	6.3	J	4	8	10	ug/L
62-53-3	Aniline	36.3		1.6	4	5	ug/L
108-95-2	Phenol	47.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	49		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	49.7		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.3		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.5		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.9		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	48.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	48.2		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.3		1.4	4	5	ug/L
98-86-2	Acetophenone	41.3		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.4		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.2		1	4	5	ug/L
98-95-3	Nitrobenzene	44.3		1.3	4	5	ug/L
78-59-1	Isophorone	46.7		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	48		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	50.5		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	46.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	41		1.1	4	5	ug/L
65-85-0	Benzoic acid	34.5		5.5	8	10	ug/L
91-20-3	Naphthalene	44.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	22.4		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	38.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162114BS	SDG No.:	BF072224
Lab Sample ID:	PB162114BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	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
BF138604.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	43.1		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	46.4		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	43.5		1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	43.7		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	42		1	4	5	ug/L
92-52-4	1,1-Biphenyl	41.7		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	44		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.8		0.93	4	5	ug/L
208-96-8	Acenaphthylene	49		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	44.5		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	29.5		1.4	4	5	ug/L
83-32-9	Acenaphthene	46.1		0.81	4	5	ug/L
Total PAH	Total PAH	703.7		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	78.4		6.4	8	10	ug/L
100-02-7	4-Nitrophenol	89.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	91.5		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	47		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.7		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.7		0.98	4	5	ug/L
86-73-7	Fluorene	45.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	45.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.5		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46.6		0.89	4	5	ug/L
103-33-3	Azobenzene	47.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44.2		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	43.9		1.1	4	5	ug/L
1912-24-9	Atrazine	43.3		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162114BS	SDG No.:	BF072224
Lab Sample ID:	PB162114BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138604.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	76.9		1.9	8	10	ug/L
85-01-8	Phenanthrene	46.6		0.89	4	5	ug/L
120-12-7	Anthracene	47.6		1.1	4	5	ug/L
86-74-8	Carbazole	46.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.3		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.5		1.3	4	5	ug/L
92-87-5	Benzidine	27.9		4.1	8	10	ug/L
129-00-0	Pyrene	38.6		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	53.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	33.8		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	49.8		0.94	4	5	ug/L
218-01-9	Chrysene	45.3		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.7		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	41.2		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	38.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	35.9		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	41.2		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.5		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	33.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.9		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	39.4		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	44.9		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	41.8		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.821		10-139		87	SPK: -150
13127-88-3	Phenol-d6	129.431		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	84.246		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	80.914		52-132		81	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162114BS	SDG No.:	BF072224
Lab Sample ID:	PB162114BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	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
BF138604.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	127.11		32-145		85	SPK: -150
1718-51-0	Terphenyl-d14	84.131		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	90763	6.863				
1146-65-2	Naphthalene-d8	379409	8.145				
15067-26-2	Acenaphthene-d10	207012	9.898				
1517-22-2	Phenanthrene-d10	366247	11.386				
1719-03-5	Chrysene-d12	229312	14.021				
1520-96-3	Perylene-d12	232363	15.486				

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162075TB	SDG No.:	BF072224
Lab Sample ID:	PB162075TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138605.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162075TB	SDG No.:	BF072224
Lab Sample ID:	PB162075TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138605.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162075TB	SDG No.:	BF072224
Lab Sample ID:	PB162075TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138605.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.061		10-139		84	SPK: -150
13127-88-3	Phenol-d6	126.147		10-134		84	SPK: -150
4165-60-0	Nitrobenzene-d5	82.412		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	81.537		52-132		82	SPK: -100

Report of Analysis

Client:		Date Collected:	7/17/2024 12:00:00 AM
Project:		Date Received:	7/17/2024 12:00:00 AM
Client Sample ID:	PB162075TB	SDG No.:	BF072224
Lab Sample ID:	PB162075TB	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	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
BF138605.D	1	7/17/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162114

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	121.285		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	88.032		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	88170	6.857				
1146-65-2	Naphthalene-d8	365083	8.139				
15067-26-2	Acenaphthene-d10	194870	9.892				
1517-22-2	Phenanthrene-d10	348569	11.38				
1719-03-5	Chrysene-d12	201605	14.015				
1520-96-3	Perylene-d12	164441	15.48				

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206	SDG No.:	BF072224
Lab Sample ID:	P3314-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138606.D	1	7/20/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	58.9	U	58.9	180	220	ug/Kg
110-86-1	Pyridine	54.2	U	54.2	88.2	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	65.7	U	65.7	88.2	120	ug/Kg
108-95-2	Phenol	56.2	U	56.2	88.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.8	U	56.8	88.2	120	ug/Kg
95-57-8	2-Chlorophenol	56.6	U	56.6	88.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.4	U	57.4	88.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.3	U	58.3	88.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.7	U	58.7	88.2	120	ug/Kg
100-51-6	Benzyl Alcohol	56.3	U	56.3	180	220	ug/Kg
95-48-7	2-Methylphenol	54.7	U	54.7	88.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	61.7	U	61.7	88.2	120	ug/Kg
98-86-2	Acetophenone	59	U	59	88.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.1	U	54.1	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.3	U	27.3	54.3	54.3	ug/Kg
67-72-1	Hexachloroethane	56.3	U	56.3	88.2	120	ug/Kg
98-95-3	Nitrobenzene	61.6	U	61.6	88.2	120	ug/Kg
78-59-1	Isophorone	57.4	U	57.4	88.2	120	ug/Kg
88-75-5	2-Nitrophenol	64.1	U	64.1	88.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.2	U	63.2	88.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.2	U	58.2	88.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.2	U	51.2	88.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.9	U	57.9	88.2	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	56	U	56	88.2	120	ug/Kg
106-47-8	4-Chloroaniline	56	U	56	88.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	56.5	U	56.5	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206	SDG No.:	BF072224
Lab Sample ID:	P3314-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138606.D	1	7/20/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	58.9	U	58.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.6	U	52.6	88.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	56	U	56	88.2	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.4	U	48.4	88.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.2	U	50.2	88.2	120	ug/Kg
92-52-4	1,1-Biphenyl	59.3	U	59.3	88.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	56.5	U	56.5	88.2	120	ug/Kg
88-74-4	2-Nitroaniline	64.4	U	64.4	88.2	120	ug/Kg
131-11-3	Dimethylphthalate	55.4	U	55.4	88.2	120	ug/Kg
208-96-8	Acenaphthylene	58.7	U	58.7	88.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.4	U	56.4	88.2	120	ug/Kg
99-09-2	3-Nitroaniline	60.5	U	60.5	88.2	120	ug/Kg
83-32-9	Acenaphthene	55	U	55	88.2	120	ug/Kg
Total PAH	Total PAH	898.8	U	898.8	88.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	78.7	U	78.7	180	220	ug/Kg
132-64-9	Dibenzofuran	57.3	U	57.3	88.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	14.9	U	114.9	88.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	58.5	U	58.5	88.2	120	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	88.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.1	U	58.1	88.2	120	ug/Kg
86-73-7	Fluorene	58	U	58	88.2	120	ug/Kg
100-01-6	4-Nitroaniline	72.6	U	72.6	88.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	79.4	U	79.4	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.4	U	55.4	88.2	120	ug/Kg
103-33-3	Azobenzene	54	U	54	88.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	53.5	U	53.5	88.2	120	ug/Kg
118-74-1	Hexachlorobenzene	57.7	U	57.7	88.2	120	ug/Kg
1912-24-9	Atrazine	62	U	62	88.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206	SDG No.:	BF072224
Lab Sample ID:	P3314-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138606.D	1	7/20/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	52.4	U	52.4	180	220	ug/Kg
85-01-8	Phenanthrene	57	U	57	88.2	120	ug/Kg
120-12-7	Anthracene	57.3	U	57.3	88.2	120	ug/Kg
86-74-8	Carbazole	54.5	U	54.5	88.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.2	U	57.2	88.2	120	ug/Kg
206-44-0	Fluoranthene	55.4	U	55.4	88.2	120	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	56.3	U	56.3	88.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	65.7	U	65.7	88.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	66.9	U	66.9	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	54.7	U	54.7	88.2	120	ug/Kg
218-01-9	Chrysene	53.9	U	53.9	88.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.7	U	61.7	88.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	74.6	U	74.6	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	55	U	55	88.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56	U	56	88.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.1	U	63.1	88.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53	U	53	88.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.1	U	55.1	88.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.3	U	54.3	88.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	58.9	U	58.9	88.2	120	ug/Kg
123-91-1	1,4-Dioxane	74.6	U	74.6	88.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	50.7	U	50.7	88.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	56.4	U	56.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.424		18-112		56	SPK: -150
13127-88-3	Phenol-d6	87.69		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	62.772		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	59.913		20-109		60	SPK: -100

Report of Analysis

Client:		Date Collected:	7/19/2024 12:00:00 AM
Project:		Date Received:	7/19/2024 12:00:00 AM
Client Sample ID:	VNJ206	SDG No.:	BF072224
Lab Sample ID:	P3314-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	11.7
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138606.D	1	7/20/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162188

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.622		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	58.031		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	109371	6.857				
1146-65-2	Naphthalene-d8	386071	8.139				
15067-26-2	Acenaphthene-d10	219648	9.892				
1517-22-2	Phenanthrene-d10	296355	11.38				
1719-03-5	Chrysene-d12	172529	14.015				
1520-96-3	Perylene-d12	176744	15.48				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	1500	J			2.175	
000057-55-6	Propylene Glycol	130	J			3.404	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	130	A			5.087	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	62.6	J			6.686	
000770-35-4	1-Phenoxypropan-2-ol	120	J			8.451	
	unknown9.992	1200	J			9.992	
000057-10-3	n-Hexadecanoic acid	210	J			11.904	
	unknown12.469	49.1	J			12.469	
1010351-87-0	Heptadecyl trifluoroacetate	120	J			13.868	
007683-64-9	Supraene	55.2	J			14.857	
000629-92-5	Nonadecane	52.2	J			15.121	
000630-04-6	Hentriacontane	67.6	J			15.933	

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072224
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138607.D	1	7/19/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.1	U	54.1	170	210	ug/Kg
110-86-1	Pyridine	49.8	U	49.8	81	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.4	U	60.4	81	110	ug/Kg
108-95-2	Phenol	51.6	U	51.6	81	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.1	U	52.1	81	110	ug/Kg
95-57-8	2-Chlorophenol	52	U	52	81	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.7	U	52.7	81	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.6	U	53.6	81	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.9	U	53.9	81	110	ug/Kg
100-51-6	Benzyl Alcohol	51.7	U	51.7	170	210	ug/Kg
95-48-7	2-Methylphenol	50.2	U	50.2	81	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.6	U	56.6	81	110	ug/Kg
98-86-2	Acetophenone	54.1	U	54.1	81	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.7	U	49.7	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.1	U	25.1	49.8	49.8	ug/Kg
67-72-1	Hexachloroethane	51.7	U	51.7	81	110	ug/Kg
98-95-3	Nitrobenzene	56.6	U	56.6	81	110	ug/Kg
78-59-1	Isophorone	52.7	U	52.7	81	110	ug/Kg
88-75-5	2-Nitrophenol	58.9	U	58.9	81	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.1	U	58.1	81	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.4	U	53.4	81	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47	U	47	81	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.2	U	53.2	81	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.5	U	51.5	81	110	ug/Kg
106-47-8	4-Chloroaniline	51.5	U	51.5	81	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.9	U	51.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072224
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138607.D	1	7/19/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.1	U	54.1	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.3	U	48.3	81	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.4	U	51.4	81	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97.2	U	97.2	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.5	U	44.5	81	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.1	U	46.1	81	110	ug/Kg
92-52-4	1,1-Biphenyl	54.4	U	54.4	81	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.9	U	51.9	81	110	ug/Kg
88-74-4	2-Nitroaniline	59.2	U	59.2	81	110	ug/Kg
131-11-3	Dimethylphthalate	50.9	U	50.9	81	110	ug/Kg
208-96-8	Acenaphthylene	53.9	U	53.9	81	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.8	U	51.8	81	110	ug/Kg
99-09-2	3-Nitroaniline	55.6	U	55.6	81	110	ug/Kg
83-32-9	Acenaphthene	50.5	U	50.5	81	110	ug/Kg
Total PAH	Total PAH	963.8	U	825.6	81	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.3	U	72.3	170	210	ug/Kg
132-64-9	Dibenzofuran	52.6	U	52.6	81	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.7	U	53.7	81	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.5	U	105.5	81	220	ug/Kg
84-66-2	Diethylphthalate	49.9	U	49.9	81	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.3	U	53.3	81	110	ug/Kg
86-73-7	Fluorene	53.3	U	53.3	81	110	ug/Kg
100-01-6	4-Nitroaniline	66.7	U	66.7	81	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.9	U	72.9	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.8	U	50.8	81	110	ug/Kg
103-33-3	Azobenzene	49.6	U	49.6	81	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.2	U	49.2	81	110	ug/Kg
118-74-1	Hexachlorobenzene	53	U	53	81	110	ug/Kg
1912-24-9	Atrazine	56.9	U	56.9	81	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072224
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138607.D	1	7/19/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.2	U	48.2	170	210	ug/Kg
85-01-8	Phenanthrene	92.6	J	52.3	81	110	ug/Kg
120-12-7	Anthracene	52.6	U	52.6	81	110	ug/Kg
86-74-8	Carbazole	50	U	50	81	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.5	U	52.5	81	110	ug/Kg
206-44-0	Fluoranthene	180		50.9	81	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	150		51.7	81	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.3	U	60.3	81	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.4	U	61.4	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	100	J	50.3	81	110	ug/Kg
218-01-9	Chrysene	110		49.5	81	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.7	U	56.7	81	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.5	U	68.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	160		50.5	81	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	61.2	J	51.5	81	110	ug/Kg
50-32-8	Benzo(a)pyrene	110		57.9	81	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.7	U	48.7	81	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.6	U	50.6	81	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49.9	U	49.9	81	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.1	U	54.1	81	110	ug/Kg
123-91-1	1,4-Dioxane	68.5	U	68.5	81	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.5	U	46.5	81	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.8	U	51.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.851		18-112		60	SPK: -150
13127-88-3	Phenol-d6	91.78		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	59.733		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	66.357		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	7/18/2024 12:00:00 AM
Project:		Date Received:	7/18/2024 12:00:00 AM
Client Sample ID:	285-290	SDG No.:	BF072224
Lab Sample ID:	P3302-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.8
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF138607.D	1	7/19/2024 12:00:00 AM	7/22/2024 12:00:00 AM	PB162159

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.136		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	63.447		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77758	6.857				
1146-65-2	Naphthalene-d8	311750	8.14				
15067-26-2	Acenaphthene-d10	159271	9.892				
1517-22-2	Phenanthrene-d10	242441	11.381				
1719-03-5	Chrysene-d12	143184	14.016				
1520-96-3	Perylene-d12	136636	15.48				



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

Hit Summary Sheet SW-846

SDG No.: BF072224

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : 285-290								
P3302-01	285-290	Solid	Benzo(a)anthracene	100.000	J	50.3	110	ug/Kg
P3302-01	285-290	Solid	Benzo(a)pyrene	110.000		57.9	110	ug/Kg
P3302-01	285-290	Solid	Benzo(b)fluoranthene	160.000		50.5	110	ug/Kg
P3302-01	285-290	Solid	Benzo(k)fluoranthene	61.200	J	51.5	110	ug/Kg
P3302-01	285-290	Solid	Chrysene	110.000		49.5	110	ug/Kg
P3302-01	285-290	Solid	Fluoranthene	180.000		50.9	110	ug/Kg
P3302-01	285-290	Solid	Phenanthrene	92.600	J	52.3	110	ug/Kg
P3302-01	285-290	Solid	Pyrene	150.000		51.7	110	ug/Kg

Total Svoc :

963.80

Total Concentration:

963.80

Client ID : VNJ206

P3314-01	VNJ206	Solid	1-Phenoxypropan-2-ol	*	120.000	J		
P3314-01	VNJ206	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	130.000	A		
P3314-01	VNJ206	Solid	Butane, 2-methoxy-2-methyl-	*	1,500.000	J		
P3314-01	VNJ206	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	62.600	J		
P3314-01	VNJ206	Solid	Hentriacontane	*	67.600	J		
P3314-01	VNJ206	Solid	Heptadecyl trifluoroacetate	*	120.000	J		
P3314-01	VNJ206	Solid	n-Hexadecanoic acid	*	210.000	J		
P3314-01	VNJ206	Solid	Nonadecane	*	52.200	J		
P3314-01	VNJ206	Solid	Propylene Glycol	*	130.000	J		
P3314-01	VNJ206	Solid	Supraene	*	55.200	J		
P3314-01	VNJ206	Solid	unknown12.469	*	49.100	J		
P3314-01	VNJ206	Solid	unknown9.992	*	1,200.000	J		

Total Tics :

3,696.70

Total Concentration:

3,696.70



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.886	0.873	0.934	0.921	0.878	0.898	2.6
Pyridine		1.375	1.370	1.480	1.389	1.347	1.379	3.5
2-Fluorophenol		1.362	1.335	1.352	1.265	1.191	1.263	7.1
Benzaldehyde		0.919	0.990	1.043	0.879	0.805	0.899	12.0
Aniline		1.678	1.615	1.712	1.595	1.476	1.573	6.6
Phenol-d6		1.825	1.753	1.808	1.671	1.588	1.680	7.0
Phenol		1.947	1.887	1.901	1.770	1.673	1.783	7.2
bis(2-Chloroethyl)ether		1.415	1.360	1.406	1.350	1.297	1.343	4.4
2-Chlorophenol		1.440	1.367	1.456	1.337	1.285	1.335	7.1
1,2-Dichlorobenzene		1.565	1.518	1.521	1.419	1.334	1.420	8.4
1,3-Dichlorobenzene		1.613	1.577	1.610	1.500	1.428	1.501	6.8
1,4-Dichlorobenzene		1.663	1.580	1.631	1.536	1.446	1.524	7.1
Benzyl Alcohol		1.313	1.289	1.365	1.272	1.219	1.261	5.6
2-Methylphenol		1.157	1.118	1.171	1.099	1.046	1.094	5.4
2,2-oxybis(1-Chloropropane)		2.833	2.775	2.810	2.665	2.526	2.640	6.8
Acetophenone		0.548	0.523	0.509	0.469	0.452	0.486	8.5
3+4-Methylphenols		1.555	1.486	1.488	1.362	1.277	1.378	9.7
n-Nitroso-di-n-propylamine	1.131	1.137	1.068	1.089	1.022	0.962	1.038	7.8
Nitrobenzene-d5		0.432	0.416	0.425	0.406	0.393	0.407	4.6
Hexachloroethane		0.573	0.571	0.600	0.566	0.545	0.560	4.4
Nitrobenzene		0.433	0.421	0.432	0.415	0.403	0.414	3.8
Isophorone		0.742	0.720	0.733	0.686	0.666	0.700	4.6
2-Nitrophenol		0.170	0.168	0.187	0.180	0.178	0.177	4.0
2,4-Dimethylphenol		0.229	0.223	0.226	0.217	0.208	0.218	4.0
bis(2-Chloroethoxy)methane		0.458	0.425	0.438	0.413	0.398	0.418	5.8
2,4-Dichlorophenol		0.292	0.288	0.302	0.283	0.275	0.283	4.3
1,2,4-Trichlorobenzene		0.361	0.343	0.347	0.326	0.314	0.330	6.5
Benzoic acid		0.169	0.186	0.201	0.219	0.225	0.208	11.3
Naphthalene		1.162	1.093	1.101	1.022	0.974	1.040	7.7
4-Chloroaniline		0.388	0.369	0.382	0.356	0.352	0.365	4.3
Hexachlorobutadiene		0.221	0.210	0.214	0.200	0.195	0.203	6.0
Caprolactam		0.093	0.093	0.095	0.091	0.088	0.091	2.8
4-Chloro-3-methylphenol		0.340	0.327	0.334	0.312	0.303	0.317	5.3
2-Methylnaphthalene		0.757	0.709	0.710	0.646	0.626	0.669	8.4
Hexachlorocyclopentadiene			0.142	0.174	0.189	0.189	0.181	11.4
2,4,6-Trichlorophenol		0.376	0.358	0.365	0.353	0.347	0.356	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D		RRF005 = BF138483.D		RRF010 = BF138484.D		
		RRF020 = BF138485.D		RRF040 = BF138486.D		RRF050 = BF138487.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.504	1.403	1.347	1.224	1.184	1.280	11.0
2,4,5-Trichlorophenol		0.409	0.391	0.409	0.395	0.382	0.391	3.7
1,1-Biphenyl		1.691	1.598	1.602	1.476	1.433	1.516	7.6
2-Chloronaphthalene		1.264	1.200	1.178	1.127	1.092	1.145	6.3
2-Nitroaniline		0.403	0.393	0.406	0.403	0.391	0.397	1.9
Dimethylphthalate		1.391	1.360	1.336	1.275	1.238	1.293	5.3
Acenaphthylene		1.803	1.733	1.686	1.593	1.550	1.626	7.3
2,6-Dinitrotoluene		0.306	0.300	0.309	0.302	0.288	0.298	3.1
3-Nitroaniline		0.316	0.309	0.311	0.308	0.300	0.305	2.8
Acenaphthene		1.215	1.146	1.121	1.048	1.026	1.081	7.6
2,4-Dinitrophenol			0.105	0.126	0.147	0.152	0.141	15.4
4-Nitrophenol		0.215	0.221	0.228	0.231	0.228	0.225	2.9
Dibenzofuran		1.781	1.676	1.639	1.527	1.495	1.567	8.7
2,4-Dinitrotoluene		0.385	0.385	0.410	0.388	0.382	0.385	3.6
Diethylphthalate		1.360	1.321	1.301	1.227	1.189	1.247	6.5
4-Chlorophenyl-phenylether		0.721	0.673	0.662	0.600	0.578	0.623	10.1
Fluorene		1.424	1.325	1.319	1.200	1.165	1.240	9.4
4-Nitroaniline		0.309	0.310	0.314	0.305	0.305	0.306	2.5
4,6-Dinitro-2-methylphenol		0.090	0.099	0.118	0.122	0.124	0.115	13.0
n-Nitrosodiphenylamine		0.642	0.629	0.629	0.593	0.577	0.599	5.7
Azobenzene		1.478	1.407	1.410	1.312	1.281	1.340	6.9
2,4,6-Tribromophenol		0.202	0.199	0.194	0.185	0.178	0.187	6.2
4-Bromophenyl-phenylether		0.220	0.213	0.218	0.203	0.197	0.206	5.7
Hexachlorobenzene		0.251	0.239	0.239	0.223	0.218	0.228	6.4
Atrazine		0.219	0.207	0.212	0.197	0.191	0.199	7.4
Pentachlorophenol		0.116	0.124	0.142	0.138	0.143	0.135	8.1
Phenanthrene		1.136	1.090	1.058	0.985	0.954	1.010	8.4
Anthracene		1.103	1.072	1.071	0.980	0.952	1.003	7.8
Carbazole		0.995	0.983	0.968	0.880	0.854	0.901	9.0
Di-n-butylphthalate		1.138	1.092	1.109	1.020	1.000	1.039	7.3
Fluoranthene		1.203	1.149	1.114	0.996	0.961	1.031	12.3
Benzidine		0.452	0.523	0.625	0.510	0.498	0.505	14.0
Pyrene		1.980	1.956	2.061	2.100	2.024	2.030	2.9
Terphenyl-d14		1.251	1.204	1.281	1.252	1.199	1.228	3.0
Butylbenzylphthalate		0.588	0.567	0.626	0.634	0.613	0.611	4.3
3,3-Dichlorobenzidine		0.378	0.346	0.362	0.347	0.328	0.346	5.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF070924 SAS No.: BF070924 SDG No.: BF070924
Instrument ID: _____ Calibration Date(s): 7/9/2024 1: _____
Calibration Time(s): 12:26 _____

LAB FILE ID:		RRF2.5 = BF138482.D			RRF005 = BF138483.D		RRF010 = BF138484.D	
		RRF020 = BF138485.D			RRF040 = BF138486.D		RRF050 = BF138487.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.457	1.364	1.404	1.337	1.266	1.342	5.4
Chrysene		1.386	1.301	1.324	1.254	1.196	1.270	5.6
Bis(2-ethylhexyl)phthalate		0.576	0.574	0.644	0.684	0.674	0.651	8.6
Di-n-octyl phthalate			0.824	0.919	1.036	1.051	1.029	13.8
Benzo(b)fluoranthene		1.306	1.224	1.197	1.073	1.032	1.126	10.2
Benzo(k)fluoranthene		1.269	1.215	1.193	1.056	0.993	1.099	11.3
Benzo(a)pyrene		1.068	1.003	1.034	0.976	0.951	0.989	4.8
Indeno(1,2,3-cd)pyrene		1.091	1.212	1.442	1.471	1.401	1.343	10.3
Dibenzo(a,h)anthracene		0.906	0.999	1.180	1.213	1.143	1.099	9.9
Benzo(g,h,i)perylene		0.946	1.049	1.262	1.270	1.210	1.165	10.4
1,2,4,5-Tetrachlorobenzene		0.603	0.584	0.580	0.550	0.531	0.557	5.7
1,4-Dioxane		0.566	0.563	0.582	0.571	0.549	0.559	2.9
2,3,4,6-Tetrachlorophenol		0.303	0.311	0.329	0.311	0.305	0.309	3.4
1-Methylnaphthalene		0.736	0.692	0.688	0.644	0.613	0.653	8.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072224 SAS No.: BF072224 SDG NO.: BF072224

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 12:10

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	96160	6.869	383936	8.15	215266	9.90
UPPER LIMIT	192320	7.369	767872	8.651	430532	10.404
LOWER LIMIT	48080	6.369	191968	7.651	107633	9.404
EPA SAMPLE NO.						
01 PB162092TB	91196	6.86	365105	8.14	204211	9.89
02 PB162093TB	83332	6.86	332437	8.14	182766	9.89
03 PB162114BS	90763	6.86	379409	8.15	207012	9.90
04 PB162075TB	88170	6.86	365083	8.14	194870	9.89
05 VNJ206	109371	6.86	386071	8.14	219648	9.89
06 285-290	77758	6.86	311750	8.14	159271	9.89

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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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072224 SAS No.: BF072224 SDG NO.: BF072224

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BF138601.D Time Analyzed: 12:10

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	94668	6.863	374818	8.15	208252	9.90
UPPER LIMIT	189336	7.363	749636	8.645	416504	10.398
LOWER LIMIT	47334	6.363	187409	7.645	104126	9.398
EPA SAMPLE NO.						
01 PB162092TB	91196	6.86	365105	8.14	204211	9.89
02 PB162093TB	83332	6.86	332437	8.14	182766	9.89
03 PB162114BS	90763	6.86	379409	8.15	207012	9.90
04 PB162075TB	88170	6.86	365083	8.14	194870	9.89
05 VNJ206	109371	6.86	386071	8.14	219648	9.89
06 285-290	77758	6.86	311750	8.14	159271	9.89

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072224 SAS No.: BF072224 SDG NO.: BF072224

EPA Sample No.: SSTDICCC040 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BF138486.D Time Analyzed: 12:10

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	374771	11.386	178592	14.027	166880	15.486
UPPER LIMIT	749542	11.886	357184	14.527	333760	15.986
LOWER LIMIT	187385.5	10.886	89296	13.527	83440	14.986
EPA SAMPLE NO.						
01 PB162092TB	365195	11.38	290872	14.02	175870	15.49
02 PB162093TB	312141	11.38	193398	14.02	155993	15.49
03 PB162114BS	366247	11.39	229312	14.02	232363	15.49
04 PB162075TB	348569	11.38	201605	14.02	164441	15.48
05 VNJ206	296355	11.38	172529	14.02	176744	15.48
06 285-290	242441	11.38	143184	14.02	136636	15.48

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF072224 SAS No.: BF072224 SDG NO.: BF072224

EPA Sample No.: SSTDCCC040 Date Analyzed: Jul 22 2024 12:00AM

Lab File ID: BF138601.D Time Analyzed: 12:10

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	351202	11.386	171436	14.021	168116	15.486
UPPER LIMIT	702404	11.886	342872	14.521	336232	15.986
LOWER LIMIT	175601	10.886	85718	13.521	84058	14.986
EPA SAMPLE NO.						
01 PB162092TB	365195	11.38	290872	14.02	175870	15.49
02 PB162093TB	312141	11.38	193398	14.02	155993	15.49
03 PB162114BS	366247	11.39	229312	14.02	232363	15.49
04 PB162075TB	348569	11.38	201605	14.02	164441	15.48
05 VNJ206	296355	11.38	172529	14.02	176744	15.48
06 285-290	242441	11.38	143184	14.02	136636	15.48

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.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB162114BS	n-Nitrosodimethylamine	50	46.6	ug/L	93					55	108	
	Pyridine	50	42.4	ug/L	85					29	97	
	Benzaldehyde	50	6.3	ug/L	13		*			15	121	
	Aniline	50	36.3	ug/L	73					10	130	
	Phenol	50	47.5	ug/L	95					66	118	
	bis(2-Chloroethyl)ether	50	49	ug/L	98					62	103	
	2-Chlorophenol	50	49.7	ug/L	99					70	117	
	1,2-Dichlorobenzene	50	46.3	ug/L	93					72	102	
	1,3-Dichlorobenzene	50	44.5	ug/L	89					71	103	
	1,4-Dichlorobenzene	50	44.9	ug/L	90					76	103	
	Benzyl Alcohol	50	48.7	ug/L	97		*			36	93	
	2-Methylphenol	50	48.2	ug/L	96					69	109	
	2,2-oxybis(1-Chloropropane)	50	45.3	ug/L	91					52	103	
	Acetophenone	50	41.3	ug/L	83					60	104	
	3+4-Methylphenols	50	47.4	ug/L	95					67	106	
	N-Nitroso-di-n-propylamine	50	48.2	ug/L	96					57	107	
	Hexachloroethane	50	46.2	ug/L	92					76	118	
	Nitrobenzene	50	44.3	ug/L	89					58	106	
	Isophorone	50	46.7	ug/L	93					61	102	
	2-Nitrophenol	50	48	ug/L	96					70	115	
	2,4-Dimethylphenol	50	50.5	ug/L	101					67	130	
	bis(2-Chloroethoxy)methane	50	46.1	ug/L	92					58	109	
	2,4-Dichlorophenol	50	45	ug/L	90					66	115	
	1,2,4-Trichlorobenzene	50	41	ug/L	82					41	115	
	Benzoic acid	50	34.5	ug/L	69					10	125	
	Naphthalene	50	44.2	ug/L	88					64	107	
	4-Chloroaniline	50	22.4	ug/L	45					10	85	
	Hexachlorobutadiene	50	38.5	ug/L	77					69	101	
	Caprolactam	50	43.1	ug/L	86					58	128	
	4-Chloro-3-methylphenol	50	46.4	ug/L	93					65	114	
	2-Methylnaphthalene	50	43.5	ug/L	87					64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110					36	160	
	2,4,6-Trichlorophenol	50	43.7	ug/L	87					61	110	
	2,4,5-Trichlorophenol	50	42	ug/L	84					70	106	
	1,1-Biphenyl	50	41.7	ug/L	83					72	98	
	2-Chloronaphthalene	50	44	ug/L	88					59	106	
	2-Nitroaniline	50	48.3	ug/L	97					58	107	
	Dimethylphthalate	50	45.8	ug/L	92					64	103	
	Acenaphthylene	50	49	ug/L	98					65	108	
	2,6-Dinitrotoluene	50	44.5	ug/L	89					64	110	
	3-Nitroaniline	50	29.5	ug/L	59					28	100	
	Acenaphthene	50	46.1	ug/L	92					59	113	
	Total PAH	800	703.7	ug/L	88					59	113	
	2,4-Dinitrophenol	100	78.4	ug/L	78					64	132	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BF072224**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB162114BS	4-Nitrophenol	100	89.7	ug/L	90				68	116	
	Dibenzofuran	50	45.3	ug/L	91				65	106	
	2,4-Dinitrotoluene	50	47	ug/L	94				60	115	
	2,4-Dinitrotoluene/2,6-Dinitrotrc	100	91.5	ug/L	92				60	115	
	Diethylphthalate	50	45.7	ug/L	91				63	105	
	4-Chlorophenyl-phenylether	50	42.7	ug/L	85				61	104	
	Fluorene	50	45.4	ug/L	91				64	107	
	4-Nitroaniline	50	45.1	ug/L	90				69	112	
	4,6-Dinitro-2-methylphenol	50	49.5	ug/L	99				62	132	
	N-Nitrosodiphenylamine	50	46.6	ug/L	93				61	109	
	Azobenzene	50	47.8	ug/L	96				59	106	
	4-Bromophenyl-phenylether	50	44.2	ug/L	88				73	103	
	Hexachlorobenzene	50	43.9	ug/L	88				73	106	
	Atrazine	50	43.3	ug/L	87				76	120	
	Pentachlorophenol	100	76.9	ug/L	77				47	114	
	Phenanthrene	50	46.6	ug/L	93				62	109	
	Anthracene	50	47.6	ug/L	95				65	110	
	Carbazole	50	46.7	ug/L	93				62	106	
	Di-n-butylphthalate	50	48.3	ug/L	97				64	106	
	Fluoranthene	50	46.5	ug/L	93				64	110	
	Benzidine	100	27.9	ug/L	28				10	94	
	Pyrene	50	38.6	ug/L	77				71	103	
	Butylbenzylphthalate	50	53.6	ug/L	107		*		61	105	
	3,3-Dichlorobenzidine	50	33.8	ug/L	68				43	108	
	Benzo(a)anthracene	50	49.8	ug/L	100				62	107	
	Chrysene	50	45.3	ug/L	91				61	108	
	bis(2-Ethylhexyl)phthalate	50	55.7	ug/L	111		*		59	110	
	Di-n-octyl phthalate	50	41.2	ug/L	82				67	126	
	Benzo(b)fluoranthene	50	38.7	ug/L	77				77	113	
	Benzo(k)fluoranthene	50	35.9	ug/L	72				64	113	
	Benzo(a)pyrene	50	41.2	ug/L	82				72	131	
	Indeno(1,2,3-cd)pyrene	50	47.8	ug/L	96				72	105	
	Dibenz(a,h)anthracene	50	47.5	ug/L	95				78	115	
	Benzo(g,h,i)perylene	50	33.5	ug/L	67		*		75	118	
	1,2,4,5-Tetrachlorobenzene	50	39.9	ug/L	80				72	101	
	1,4-Dioxane	50	39.4	ug/L	79				38	125	
	2,3,4,6-Tetrachlorophenol	50	44.9	ug/L	90				63	116	
	1-Methylnaphthalene	50	41.8	ug/L	84				51	114	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB162092TB

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072224

SAS No.: BF072224 SDG NO.: BF072224

Lab File ID: BF138602.D

Lab Sample ID: PB162092TB

Instrument ID: BNA_F

Date Extracted: 07/17/2024

Matrix: (soil/water) water

Date Analyzed: 07/22/2024

Level: (low/med) LOW

Time Analyzed: 12:10

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB162092TB	PB162092TB	BF138602.D	07/22/2024
PB162093TB	PB162093TB	BF138603.D	07/22/2024
PB162114BS	PB162114BS	BF138604.D	07/22/2024
PB162075TB	PB162075TB	BF138605.D	07/22/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

285-290

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072224

SAS No.: BF072224 SDG NO.: BF072224

Lab File ID: BF138607.D

Lab Sample ID: P3302-01

Instrument ID: BNA_F

Date Extracted: 07/19/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/22/2024

Level: (low/med) LOW

Time Analyzed: 14:44

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
285-290	P3302-01	BF138607.D	07/22/2024

COMMENTS: _____



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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ206

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF072224

SAS No.: BF072224 SDG NO.: BF072224

Lab File ID: BF138606.D

Lab Sample ID: P3314-01

Instrument ID: BNA_F

Date Extracted: 07/20/2024

Matrix: (soil/water) Solid

Date Analyzed: 07/22/2024

Level: (low/med) LOW

Time Analyzed: 14:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ206	P3314-01	BF138606.D	07/22/2024

COMMENTS: _____

Surrogate Summary

SW-846

SDG No.: **BF072224**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB162075TB	PB162075TB	BF138605.D	2-Fluorophenol	150	126.06	84		10	139
			Phenol-d6	150	126.15	84		10	134
			Nitrobenzene-d5	100	82.41	82		49	133
			2-Fluorobiphenyl	100	81.54	82		52	132
			2,4,6-Tribromophenol	150	121.29	81		32	145
			Terphenyl-d14	100	88.03	88		36	145
PB162092TB	PB162092TB	BF138602.D	2-Fluorophenol	150	131.83	88		10	139
			Phenol-d6	150	133.82	89		10	134
			Nitrobenzene-d5	100	90.68	91		49	133
			2-Fluorobiphenyl	100	87.04	87		52	132
			2,4,6-Tribromophenol	150	132.69	88		32	145
			Terphenyl-d14	100	71.41	71		36	145
PB162093TB	PB162093TB	BF138603.D	2-Fluorophenol	150	133.34	89		10	139
			Phenol-d6	150	133.63	89		10	134
			Nitrobenzene-d5	100	91.21	91		49	133
			2-Fluorobiphenyl	100	87.97	88		52	132
			2,4,6-Tribromophenol	150	126.07	84		32	145
			Terphenyl-d14	100	91.79	92		36	145
PB162114BS	PB162114BS	BF138604.D	2-Fluorophenol	150	129.82	87		10	139
			Phenol-d6	150	129.43	86		10	134
			Nitrobenzene-d5	100	84.25	84		49	133
			2-Fluorobiphenyl	100	80.91	81		52	132
			2,4,6-Tribromophenol	150	127.11	85		32	145
			Terphenyl-d14	100	84.13	84		36	145



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Surrogate Summary

SW-846

SDG No.: BF072224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3302-01	285-290	BF138607.D	2-Fluorophenol	150	89.85	60		18	112
			Phenol-d6	150	91.78	61		15	107
			Nitrobenzene-d5	100	59.73	60		18	107
			2-Fluorobiphenyl	100	66.36	66		20	109
			2,4,6-Tribromophenol	150	90.14	60		10	110
			Terphenyl-d14	100	63.45	63		14	112



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BF072224

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P3314-01	VNJ206	BF138606.D	2-Fluorophenol	150	83.42	56		18	112
			Phenol-d6	150	87.69	58		15	107
			Nitrobenzene-d5	100	62.77	63		18	107
			2-Fluorobiphenyl	100	59.91	60		20	109
			2,4,6-Tribromophenol	150	76.62	51		10	110
			Terphenyl-d14	100	58.03	58		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF072224

Lab Code: CHEM

SAS No.: BF072224

SDG NO.: BF072224

Lab File ID: BF138600.D

DFTPP Injection Date: 07/22/2024

Instrument ID: BNA_F

DFTPP Injection Time: 10:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	48.8
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	38.9
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	49.1
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	6.4
275	10.0 - 60.0% of mass 198	26.4
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	98.2
443	15.0 - 24.0% of mass 442	18 (18.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF138601.D	07/22/2024	11:40
PB162092TB	PB162092TB	BF138602.D	07/22/2024	12:10
PB162093TB	PB162093TB	BF138603.D	07/22/2024	12:40
PB162114BS	PB162114BS	BF138604.D	07/22/2024	13:10
PB162075TB	PB162075TB	BF138605.D	07/22/2024	13:40
VNJ206	P3314-01	BF138606.D	07/22/2024	14:14
285-290	P3302-01	BF138607.D	07/22/2024	14:44