

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF031324 SAS No.: BF031324 SDG No.: BF031324

Instrument ID: BNA_F Calibration Date/Time: 3/13/2024 1:09:27

Lab File ID: BF137571.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	0.652	0.644		-1.227	
Pyridine	1.741	1.821		4.595	
2-Fluorophenol	1.321	1.348		2.044	
Benzaldehyde	0.934	0.946		1.285	
Aniline	2.329	2.350		0.902	
Phenol-d6	1.906	1.837		-3.62	
Phenol	2.052	2.022		-1.462	20.0
bis(2-Chloroethyl)ether	1.503	1.509		0.399	
2-Chlorophenol	1.393	1.396		0.215	
1,2-Dichlorobenzene	1.398	1.353		-3.219	
1,3-Dichlorobenzene	1.488	1.468		-1.344	
1,4-Dichlorobenzene	1.523	1.490		-2.167	20.0
Benzyl Alcohol	1.187	1.215		2.359	
2-Methylphenol	1.303	1.302		-0.077	
2,2-oxybis(1-Chloropropane)	2.584	2.384		-7.74	
Acetophenone	0.484	0.472		-2.479	
3+4-Methylphenols	1.493	1.446		-3.148	
n-Nitroso-di-n-propylamine	1.177	1.100	0.050	-6.542	
Nitrobenzene-d5	0.430	0.424		-1.395	
Hexachloroethane	0.501	0.505		0.798	
Nitrobenzene	0.432	0.440		1.852	
Isophorone	0.818	0.806		-1.467	
2-Nitrophenol	0.172	0.187		8.721	20.0
2,4-Dimethylphenol	0.321	0.326		1.558	
bis(2-Chloroethoxy)methane	0.480	0.483		0.625	
2,4-Dichlorophenol	0.294	0.306		4.082	20.0
1,2,4-Trichlorobenzene	0.310	0.312		0.645	
Benzoic acid	0.167	0.165		-1.198	
Naphthalene	1.073	1.053		-1.864	
4-Chloroaniline	0.421	0.440		4.513	
Hexachlorobutadiene	0.183	0.185		1.093	20.0
Caprolactam	0.100	0.108		8.0	
4-Chloro-3-methylphenol	0.329	0.335		1.824	20.0
2-Methylnaphthalene	0.684	0.674		-1.462	
Hexachlorocyclopentadiene	0.180	0.196	0.050	8.889	
2,4,6-Trichlorophenol	0.364	0.371		1.923	20.0
2-Fluorobiphenyl	1.278	1.173		-8.216	
2,4,5-Trichlorophenol	0.419	0.425		1.432	
1,1-Biphenyl	1.464	1.418		-3.142	
2-Chloronaphthalene	1.116	1.100		-1.434	
2-Nitroaniline	0.379	0.406		7.124	

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 Lab File ID: BF137571.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
Dimethylphthalate	1.392	1.404		0.862	
Acenaphthylene	1.786	1.726		-3.359	
2,6-Dinitrotoluene	0.291	0.308		5.842	
3-Nitroaniline	0.308	0.330		7.143	
Acenaphthene	1.066	1.022		-4.128	20.0
2,4-Dinitrophenol	0.111	0.121	0.050	9.009	
4-Nitrophenol	0.190	0.202	0.050	6.316	
Dibenzofuran	1.624	1.549		-4.618	
2,4-Dinitrotoluene	0.358	0.378		5.587	
Diethylphthalate	1.315	1.319		0.304	
4-Chlorophenyl-phenylether	0.611	0.583		-4.583	
Fluorene	1.247	1.169		-6.255	
4-Nitroaniline	0.265	0.276		4.151	
4,6-Dinitro-2-methylphenol	0.111	0.124		11.712	
n-Nitrosodiphenylamine	0.644	0.633		-1.708	20.0
Azobenzene	1.514	1.451		-4.161	
2,4,6-Tribromophenol	0.176	0.187		6.25	
4-Bromophenyl-phenylether	0.218	0.222		1.835	
Hexachlorobenzene	0.220	0.228		3.636	
Atrazine	0.196	0.205		4.592	
Pentachlorophenol	0.133	0.141		6.015	20.0
Phenanthrene	1.088	1.046		-3.86	
Anthracene	1.118	1.093		-2.236	
Carbazole	0.958	0.959		0.104	
Di-n-butylphthalate	1.139	1.165		2.283	
Fluoranthene	1.064	1.049		-1.41	20.0
Benzidine	0.489	0.514		5.112	
Pyrene	1.962	1.801		-8.206	
Terphenyl-d14	1.454	1.330		-8.528	
Butylbenzylphthalate	0.501	0.652		30.14	
3,3-Dichlorobenzidine	0.373	0.438		17.426	
Benzo (a) anthracene	1.402	1.360		-2.996	
Chrysene	1.417	1.400		-1.2	
Bis (2-ethylhexyl) phthalate	0.637	0.839		31.711	
Di-n-octyl phthalate	1.120	1.448		29.286	20.0
Benzo (b) fluoranthene	1.183	1.217		2.874	
Benzo (k) fluoranthene	1.271	1.245		-2.046	
Benzo (a) pyrene	1.166	1.164		-0.172	20.0
Indeno (1,2,3-cd) pyrene	1.316	1.206		-8.359	
Dibenzo (a,h) anthracene	1.068	0.978		-8.427	
Benzo (g,h,i) perylene	1.096	1.003		-8.485	



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Instrument ID: BNA_F Calibration Date/Time: 3/13/2024 1:09:27

Lab File ID: BF137571.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
1,2,4,5-Tetrachlorobenzene	0.558	0.559		0.179	
1,4-Dioxane	0.722	0.699		-3.186	20.0
2,3,4,6-Tetrachlorophenol	0.336	0.337		0.298	
1-Methylnaphthalene	0.644	0.628		-2.484	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BL	SDG No.:	BF031324
Lab Sample ID:	PB159549BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 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
BF137572.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	77.2	U	77.2	270	330	ug/Kg
110-86-1	Pyridine	72.3	U	72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	120	U	120	130	170	ug/Kg
108-95-2	Phenol	74.3	U	74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.7	U	89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.9	U	71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.6	U	81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.4	U	88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.3	U	82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.7	U	98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	110	U	110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	130	170	ug/Kg
98-86-2	Acetophenone	86.6	U	86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	58.9	U	58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	73.5	U	73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	75.1	U	75.1	130	170	ug/Kg
78-59-1	Isophorone	68	U	68	130	170	ug/Kg
88-75-5	2-Nitrophenol	95	U	95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.5	U	99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	78	U	78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.4	U	77.4	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	81.3	U	81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.9	U	83.9	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.4	U	82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	94.8	U	94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BL	SDG No.:	BF031324
Lab Sample ID:	PB159549BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 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
BF137572.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77	U	77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.8	U	87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.2	U	91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.2	U	99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.8	U	88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	88.3	U	88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.9	U	89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.3	U	93.3	130	170	ug/Kg
83-32-9	Acenaphthene	80.2	U	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.7	U	1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.8	U	76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.8	U	99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.7	U	189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.3	U	90.3	130	170	ug/Kg
86-73-7	Fluorene	84.7	U	84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.7	U	87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.2	U	93.2	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.7	U	98.7	130	170	ug/Kg
1912-24-9	Atrazine	95.3	U	95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.6	U	92.6	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.8	U	84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.3	U	94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BL	SDG No.:	BF031324
Lab Sample ID:	PB159549BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 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
BF137572.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	113.736		18-112		76	SPK: -150
13127-88-3	Phenol-d6	104.919		15-107		70	SPK: -150
4165-60-0	Nitrobenzene-d5	76.861		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	76.837		20-109		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	128.027		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	65.164		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	240013	6.904				
1146-65-2	Naphthalene-d8	936243	8.175				
15067-26-2	Acenaphthene-d10	506669	9.927				
1517-22-2	Phenanthrene-d10	911507	11.427				
1719-03-5	Chrysene-d12	634047	14.092				
1520-96-3	Perylene-d12	494474	15.645				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BL	SDG No.:	BF031324
Lab Sample ID:	PB159549BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BF137572.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	140	A			5.21	
000111-06-8	Hexadecanoic acid, butyl ester	83.3	J			12.857	
000630-02-4	Octacosane	66.6	J			14.915	
000638-68-6	Triacontane	98.6	J			15.721	
1000406-32-4	Dotriacontane, 1-iodo-	79.9	J			16.221	
000629-94-7	Heneicosane	90.2	J			16.809	
001560-86-7	Nonadecane, 2-methyl-	75.6	J			17.498	

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BS	SDG No.:	BF031324
Lab Sample ID:	PB159549BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF137573.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		77.3	270	330	ug/Kg
110-86-1	Pyridine	1100		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	950		150	270	330	ug/Kg
62-53-3	Aniline	720		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.2	130	170	ug/Kg
78-59-1	Isophorone	1500		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1700		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1400		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	540		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		84	130	170	ug/Kg
105-60-2	Caprolactam	1600		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BS	SDG No.:	BF031324
Lab Sample ID:	PB159549BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF137573.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3000	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1400		80.3	130	170	ug/Kg
Total PAH	Total PAH	23700		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3300	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3200		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		90.4	130	170	ug/Kg
86-73-7	Fluorene	1400		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1600		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1400		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1400		92.7	130	170	ug/Kg
120-12-7	Anthracene	1400		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1400		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BS	SDG No.:	BF031324
Lab Sample ID:	PB159549BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 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
BF137573.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	370		190	270	330	ug/Kg
129-00-0	Pyrene	1400		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	2000		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.9	130	170	ug/Kg
218-01-9	Chrysene	1500		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.604		18-112		84	SPK: -150
13127-88-3	Phenol-d6	117.659		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	84.797		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	81.789		20-109		82	SPK: -100
118-79-6	2,4,6-Tribromophenol	148.872		10-110		99	SPK: -150
1718-51-0	Terphenyl-d14	80.43		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	226722	6.904				
1146-65-2	Naphthalene-d8	900201	8.175				
15067-26-2	Acenaphthene-d10	492149	9.933				
1517-22-2	Phenanthrene-d10	872067	11.433				
1719-03-5	Chrysene-d12	503230	14.098				
1520-96-3	Perylene-d12	435106	15.651				



Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	PB159549BS	SDG No.:	BF031324
Lab Sample ID:	PB159549BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137573.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
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
BF137574.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.5	U	54.5	190	230	ug/Kg
110-86-1	Pyridine	51	U	51	91.6	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	82.5	U	82.5	91.6	120	ug/Kg
108-95-2	Phenol	52.4	U	52.4	91.6	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63.3	U	63.3	91.6	120	ug/Kg
95-57-8	2-Chlorophenol	50.7	U	50.7	91.6	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.6	U	57.6	91.6	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.4	U	62.4	91.6	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.1	U	58.1	91.6	120	ug/Kg
100-51-6	Benzyl Alcohol	69.6	U	69.6	190	230	ug/Kg
95-48-7	2-Methylphenol	80.3	U	80.3	91.6	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	74	U	74	91.6	120	ug/Kg
98-86-2	Acetophenone	61.1	U	61.1	91.6	120	ug/Kg
65794-96-9	3+4-Methylphenols	76.1	U	76.1	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.6	U	41.6	56.4	56.4	ug/Kg
67-72-1	Hexachloroethane	51.9	U	51.9	91.6	120	ug/Kg
98-95-3	Nitrobenzene	53	U	53	91.6	120	ug/Kg
78-59-1	Isophorone	48	U	48	91.6	120	ug/Kg
88-75-5	2-Nitrophenol	67	U	67	91.6	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70.2	U	70.2	91.6	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78.9	U	78.9	91.6	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55	U	55	91.6	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.6	U	54.6	91.6	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.4	U	57.4	91.6	120	ug/Kg
106-47-8	4-Chloroaniline	74	U	74	91.6	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.2	U	59.2	91.6	120	ug/Kg
105-60-2	Caprolactam	82.5	U	82.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58.1	U	58.1	91.6	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.9	U	66.9	91.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
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
BF137574.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54.3	U	54.3	91.6	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.9	U	61.9	91.6	120	ug/Kg
92-52-4	1,1-Biphenyl	64.3	U	64.3	91.6	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.6	U	59.6	91.6	120	ug/Kg
88-74-4	2-Nitroaniline	70	U	70	91.6	120	ug/Kg
131-11-3	Dimethylphthalate	62.7	U	62.7	91.6	120	ug/Kg
208-96-8	Acenaphthylene	62.3	U	62.3	91.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.4	U	63.4	91.6	120	ug/Kg
99-09-2	3-Nitroaniline	65.8	U	65.8	91.6	120	ug/Kg
83-32-9	Acenaphthene	56.6	U	56.6	91.6	120	ug/Kg
Total PAH	Total PAH	1012.9	U	1012.9	91.6	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.3	U	80.3	190	230	ug/Kg
132-64-9	Dibenzofuran	54.2	U	54.2	91.6	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.4	U	70.4	91.6	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	33.8	U	133.8	91.6	240	ug/Kg
84-66-2	Diethylphthalate	60.5	U	60.5	91.6	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.7	U	63.7	91.6	120	ug/Kg
86-73-7	Fluorene	59.8	U	59.8	91.6	120	ug/Kg
100-01-6	4-Nitroaniline	73.3	U	73.3	91.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.9	U	61.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65.8	U	65.8	91.6	120	ug/Kg
103-33-3	Azobenzene	51.8	U	51.8	91.6	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.6	U	68.6	91.6	120	ug/Kg
118-74-1	Hexachlorobenzene	69.6	U	69.6	91.6	120	ug/Kg
1912-24-9	Atrazine	67.2	U	67.2	91.6	120	ug/Kg
87-86-5	Pentachlorophenol	78.2	U	78.2	190	230	ug/Kg
85-01-8	Phenanthrene	65.3	U	65.3	91.6	120	ug/Kg
120-12-7	Anthracene	71.9	U	71.9	91.6	120	ug/Kg
86-74-8	Carbazole	59.8	U	59.8	91.6	120	ug/Kg
84-74-2	Di-n-butylphthalate	73.3	U	73.3	91.6	120	ug/Kg
206-44-0	Fluoranthene	150		66.5	91.6	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
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
BF137574.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	100	J	59	91.6	120	ug/Kg
85-68-7	Butylbenzylphthalate	72.6	U	72.6	91.6	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	59.1	U	59.1	91.6	120	ug/Kg
218-01-9	Chrysene	73.5	J	61.2	91.6	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	81	U	81	91.6	120	ug/Kg
117-84-0	Di-n-octyl phthalate	86.7	U	86.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	99.3	J	56.6	91.6	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.1	U	62.1	91.6	120	ug/Kg
50-32-8	Benzo(a)pyrene	66.5	U	66.5	91.6	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	75.4	U	75.4	91.6	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68	U	68	91.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.2	U	65.2	91.6	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63	U	63	91.6	120	ug/Kg
123-91-1	1,4-Dioxane	82.5	U	82.5	91.6	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.4	U	58.4	91.6	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.6	U	63.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.911		18-112		59	SPK: -150
13127-88-3	Phenol-d6	85.439		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	60.565		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	57.277		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	100.912		10-110		67	SPK: -150
1718-51-0	Terphenyl-d14	48.02		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	214800	6.91				
1146-65-2	Naphthalene-d8	837945	8.18				
15067-26-2	Acenaphthene-d10	478637	9.933				
1517-22-2	Phenanthrene-d10	846299	11.433				
1719-03-5	Chrysene-d12	533934	14.098				
1520-96-3	Perylene-d12	522993	15.651				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
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
BF137574.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	530	J			2.251	
000057-10-3	n-Hexadecanoic acid	240	J			11.98	
000057-11-4	Octadecanoic acid	120	J			12.768	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	8400	J			13.351	
1000309-38-1	Oxalic acid, isobutyl hexadecyl es	150	J			13.951	
137235-51-9	1,2,4,8-Tetramethylbicyclo[6.3.0]u	130	J			18.35	

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.03 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
BF137575.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		54.5	190	230	ug/Kg
110-86-1	Pyridine	920		51.1	91.7	120	ug/Kg
100-52-7	Benzaldehyde	610		100	190	230	ug/Kg
62-53-3	Aniline	540		82.5	91.7	120	ug/Kg
108-95-2	Phenol	1000		52.5	91.7	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		63.4	91.7	120	ug/Kg
95-57-8	2-Chlorophenol	1100		50.8	91.7	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		57.6	91.7	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		62.4	91.7	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		58.1	91.7	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		69.7	190	230	ug/Kg
95-48-7	2-Methylphenol	970		80.4	91.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	950		74.1	91.7	120	ug/Kg
98-86-2	Acetophenone	1100		61.2	91.7	120	ug/Kg
65794-96-9	3+4-Methylphenols	970		76.2	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	960		41.6	56.4	56.4	ug/Kg
67-72-1	Hexachloroethane	1100		51.9	91.7	120	ug/Kg
98-95-3	Nitrobenzene	1000		53.1	91.7	120	ug/Kg
78-59-1	Isophorone	1100		48	91.7	120	ug/Kg
88-75-5	2-Nitrophenol	1200		67.1	91.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	890		70.3	91.7	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		79	91.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		55.1	91.7	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		54.7	91.7	120	ug/Kg
65-85-0	Benzoic acid	1100		150	190	230	ug/Kg
91-20-3	Naphthalene	1000		57.4	91.7	120	ug/Kg
106-47-8	4-Chloroaniline	150		74.1	91.7	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		59.3	91.7	120	ug/Kg
105-60-2	Caprolactam	1200		82.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		58.2	91.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		66.9	91.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.03 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
BF137575.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2100	E	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		54.4	91.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		62	91.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		64.4	91.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59.7	91.7	120	ug/Kg
88-74-4	2-Nitroaniline	1100		70.1	91.7	120	ug/Kg
131-11-3	Dimethylphthalate	1100		62.7	91.7	120	ug/Kg
208-96-8	Acenaphthylene	1100		62.4	91.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		63.5	91.7	120	ug/Kg
99-09-2	3-Nitroaniline	520		65.9	91.7	120	ug/Kg
83-32-9	Acenaphthene	1000		56.6	91.7	120	ug/Kg
Total PAH	Total PAH	16690		1013.8	91.7	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	2000	E	80.4	190	230	ug/Kg
132-64-9	Dibenzofuran	970		54.2	91.7	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		134	91.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		70.5	91.7	120	ug/Kg
84-66-2	Diethylphthalate	1000		60.6	91.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	980		63.8	91.7	120	ug/Kg
86-73-7	Fluorene	970		59.8	91.7	120	ug/Kg
100-01-6	4-Nitroaniline	1100		73.4	91.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		61.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		65.8	91.7	120	ug/Kg
103-33-3	Azobenzene	1000		51.9	91.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200		68.7	91.7	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		69.7	91.7	120	ug/Kg
1912-24-9	Atrazine	1100		67.3	91.7	120	ug/Kg
87-86-5	Pentachlorophenol	2100	E	78.3	190	230	ug/Kg
85-01-8	Phenanthrene	1100		65.4	91.7	120	ug/Kg
120-12-7	Anthracene	1000		72	91.7	120	ug/Kg
86-74-8	Carbazole	1000		59.9	91.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		73.4	91.7	120	ug/Kg
206-44-0	Fluoranthene	1100		66.6	91.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.03 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
BF137575.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		140	190	230	ug/Kg
129-00-0	Pyrene	990		59	91.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		72.7	91.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	890		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1100		59.2	91.7	120	ug/Kg
218-01-9	Chrysene	1100		61.2	91.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		81.1	91.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		86.8	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		56.6	91.7	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		62.2	91.7	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		66.5	91.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		75.5	91.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		68.1	91.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		65.3	91.7	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		63.1	91.7	120	ug/Kg
123-91-1	1,4-Dioxane	920		82.5	91.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		58.5	91.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	1000		63.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.791		18-112		63	SPK: -150
13127-88-3	Phenol-d6	91.588		15-107		61	SPK: -150
4165-60-0	Nitrobenzene-d5	64.702		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	61.761		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	102.395		10-110		68	SPK: -150
1718-51-0	Terphenyl-d14	54.003		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	222693	6.91				
1146-65-2	Naphthalene-d8	865176	8.181				
15067-26-2	Acenaphthene-d10	477319	9.939				
1517-22-2	Phenanthrene-d10	760348	11.439				
1719-03-5	Chrysene-d12	439262	14.104				
1520-96-3	Perylene-d12	507303	15.657				



Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137575.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.05 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
BF137576.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	920		54.5	190	230	ug/Kg
110-86-1	Pyridine	810		51.1	91.7	120	ug/Kg
100-52-7	Benzaldehyde	540		100	190	230	ug/Kg
62-53-3	Aniline	530		82.5	91.7	120	ug/Kg
108-95-2	Phenol	940		52.5	91.7	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		63.3	91.7	120	ug/Kg
95-57-8	2-Chlorophenol	1000		50.8	91.7	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		57.6	91.7	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		62.4	91.7	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		58.1	91.7	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		69.7	190	230	ug/Kg
95-48-7	2-Methylphenol	880		80.4	91.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	880		74	91.7	120	ug/Kg
98-86-2	Acetophenone	940		61.1	91.7	120	ug/Kg
65794-96-9	3+4-Methylphenols	890		76.2	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	890		41.6	56.4	56.4	ug/Kg
67-72-1	Hexachloroethane	1000		51.9	91.7	120	ug/Kg
98-95-3	Nitrobenzene	940		53	91.7	120	ug/Kg
78-59-1	Isophorone	930		48	91.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		67.1	91.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	790		70.2	91.7	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		79	91.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		55.1	91.7	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970		54.7	91.7	120	ug/Kg
65-85-0	Benzoic acid	950		150	190	230	ug/Kg
91-20-3	Naphthalene	920		57.4	91.7	120	ug/Kg
106-47-8	4-Chloroaniline	180		74	91.7	120	ug/Kg
87-68-3	Hexachlorobutadiene	960		59.2	91.7	120	ug/Kg
105-60-2	Caprolactam	1000		82.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		58.2	91.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	910		66.9	91.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.05 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
BF137576.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1800		150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		54.4	91.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910		62	91.7	120	ug/Kg
92-52-4	1,1-Biphenyl	960		64.4	91.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	970		59.7	91.7	120	ug/Kg
88-74-4	2-Nitroaniline	1000		70	91.7	120	ug/Kg
131-11-3	Dimethylphthalate	950		62.7	91.7	120	ug/Kg
208-96-8	Acenaphthylene	970		62.3	91.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		63.5	91.7	120	ug/Kg
99-09-2	3-Nitroaniline	500		65.9	91.7	120	ug/Kg
83-32-9	Acenaphthene	910		56.6	91.7	120	ug/Kg
Total PAH	Total PAH	15080		1013.3	91.7	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	1800		80.4	190	230	ug/Kg
132-64-9	Dibenzofuran	900		54.2	91.7	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		133.9	91.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		70.4	91.7	120	ug/Kg
84-66-2	Diethylphthalate	950		60.6	91.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		63.7	91.7	120	ug/Kg
86-73-7	Fluorene	880		59.8	91.7	120	ug/Kg
100-01-6	4-Nitroaniline	910		73.3	91.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		61.9	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		65.8	91.7	120	ug/Kg
103-33-3	Azobenzene	910		51.8	91.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		68.7	91.7	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		69.7	91.7	120	ug/Kg
1912-24-9	Atrazine	1000		67.3	91.7	120	ug/Kg
87-86-5	Pentachlorophenol	1900		78.3	190	230	ug/Kg
85-01-8	Phenanthrene	980		65.4	91.7	120	ug/Kg
120-12-7	Anthracene	930		71.9	91.7	120	ug/Kg
86-74-8	Carbazole	930		59.9	91.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		73.3	91.7	120	ug/Kg
206-44-0	Fluoranthene	960		66.6	91.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.05 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
BF137576.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	1100		140	190	230	ug/Kg
129-00-0	Pyrene	900		59	91.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		72.6	91.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	910		110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	1000		59.2	91.7	120	ug/Kg
218-01-9	Chrysene	1000		61.2	91.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300		81.1	91.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		86.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		56.6	91.7	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	940		62.1	91.7	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		66.5	91.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	910		75.5	91.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	870		68	91.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	810		65.2	91.7	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	970		63	91.7	120	ug/Kg
123-91-1	1,4-Dioxane	800		82.5	91.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		58.5	91.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	890		63.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.587		18-112		58	SPK: -150
13127-88-3	Phenol-d6	83.885		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	58.091		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	55.83		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.865		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	49.623		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	213754	6.916				
1146-65-2	Naphthalene-d8	857929	8.181				
15067-26-2	Acenaphthene-d10	474142	9.939				
1517-22-2	Phenanthrene-d10	742236	11.439				
1719-03-5	Chrysene-d12	430728	14.104				
1520-96-3	Perylene-d12	499010	15.657				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137576.D	1	3/12/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159549

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF137577.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.3	U	55.3	190	240	ug/Kg
110-86-1	Pyridine	51.8	U	51.8	93	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	240	ug/Kg
62-53-3	Aniline	83.7	U	83.7	93	120	ug/Kg
108-95-2	Phenol	53.2	U	53.2	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	64.2	U	64.2	93	120	ug/Kg
95-57-8	2-Chlorophenol	51.5	U	51.5	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.4	U	58.4	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.3	U	63.3	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.9	U	58.9	93	120	ug/Kg
100-51-6	Benzyl Alcohol	70.7	U	70.7	190	240	ug/Kg
95-48-7	2-Methylphenol	81.5	U	81.5	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.1	U	75.1	93	120	ug/Kg
98-86-2	Acetophenone	62	U	62	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	77.2	U	77.2	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.2	U	42.2	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	52.6	U	52.6	93	120	ug/Kg
98-95-3	Nitrobenzene	53.8	U	53.8	93	120	ug/Kg
78-59-1	Isophorone	48.7	U	48.7	93	120	ug/Kg
88-75-5	2-Nitrophenol	68	U	68	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	71.2	U	71.2	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	80.1	U	80.1	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.9	U	55.9	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.4	U	55.4	93	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	240	ug/Kg
91-20-3	Naphthalene	58.2	U	58.2	93	120	ug/Kg
106-47-8	4-Chloroaniline	75.1	U	75.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.1	U	60.1	93	120	ug/Kg
105-60-2	Caprolactam	83.7	U	83.7	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59	U	59	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.9	U	67.9	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF137577.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.1	U	55.1	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.9	U	62.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	65.3	U	65.3	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	60.5	U	60.5	93	120	ug/Kg
88-74-4	2-Nitroaniline	71	U	71	93	120	ug/Kg
131-11-3	Dimethylphthalate	63.6	U	63.6	93	120	ug/Kg
208-96-8	Acenaphthylene	63.2	U	63.2	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	64.4	U	64.4	93	120	ug/Kg
99-09-2	3-Nitroaniline	66.8	U	66.8	93	120	ug/Kg
83-32-9	Acenaphthene	57.4	U	57.4	93	120	ug/Kg
Total PAH	Total PAH	1027.5	U	1027.5	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	81.5	U	81.5	190	240	ug/Kg
132-64-9	Dibenzofuran	55	U	55	93	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	71.4	U	71.4	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	35.8	U	135.8	93	240	ug/Kg
84-66-2	Diethylphthalate	61.4	U	61.4	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.6	U	64.6	93	120	ug/Kg
86-73-7	Fluorene	60.6	U	60.6	93	120	ug/Kg
100-01-6	4-Nitroaniline	74.4	U	74.4	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.8	U	62.8	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.7	U	66.7	93	120	ug/Kg
103-33-3	Azobenzene	52.6	U	52.6	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69.7	U	69.7	93	120	ug/Kg
118-74-1	Hexachlorobenzene	70.7	U	70.7	93	120	ug/Kg
1912-24-9	Atrazine	68.2	U	68.2	93	120	ug/Kg
87-86-5	Pentachlorophenol	79.4	U	79.4	190	240	ug/Kg
85-01-8	Phenanthrene	66.3	U	66.3	93	120	ug/Kg
120-12-7	Anthracene	72.9	U	72.9	93	120	ug/Kg
86-74-8	Carbazole	60.7	U	60.7	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	74.4	U	74.4	93	120	ug/Kg
206-44-0	Fluoranthene	67.5	U	67.5	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.06	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
BF137577.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	240	ug/Kg
129-00-0	Pyrene	59.9	U	59.9	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	73.7	U	73.7	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	60	U	60	93	120	ug/Kg
218-01-9	Chrysene	62.1	U	62.1	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	82.2	U	82.2	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	88	U	88	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.4	U	57.4	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63	U	63	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	67.4	U	67.4	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	76.5	U	76.5	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	69	U	69	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.1	U	66.1	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.9	U	63.9	93	120	ug/Kg
123-91-1	1,4-Dioxane	83.7	U	83.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.3	U	59.3	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	64.5	U	64.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	115.31		18-112		77	SPK: -150
13127-88-3	Phenol-d6	109.064		15-107		73	SPK: -150
4165-60-0	Nitrobenzene-d5	77.079		18-107		77	SPK: -100
321-60-8	2-Fluorobiphenyl	72.335		20-109		72	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.759		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	66.058		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	215179	6.916				
1146-65-2	Naphthalene-d8	864956	8.181				
15067-26-2	Acenaphthene-d10	489186	9.939				
1517-22-2	Phenanthrene-d10	811883	11.433				
1719-03-5	Chrysene-d12	494184	14.098				
1520-96-3	Perylene-d12	500555	15.657				

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
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
BF137577.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	540	J			2.311	
000057-10-3	n-Hexadecanoic acid	65.1	J			11.98	
002004-39-9	1-Heptacosanol	140	J			13.951	
000544-76-3	Hexadecane	99.4	J			14.28	
	unknown14.504	120	J			14.504	

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BF031324
Lab Sample ID:	P1733-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.03	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
BF137578.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000		55.3	190	240	ug/Kg
110-86-1	Pyridine	930		51.8	93	120	ug/Kg
100-52-7	Benzaldehyde	550		110	190	240	ug/Kg
62-53-3	Aniline	580		83.7	93	120	ug/Kg
108-95-2	Phenol	1000		53.2	93	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		64.3	93	120	ug/Kg
95-57-8	2-Chlorophenol	1100		51.5	93	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		58.5	93	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100		63.3	93	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100		59	93	120	ug/Kg
100-51-6	Benzyl Alcohol	1200		70.7	190	240	ug/Kg
95-48-7	2-Methylphenol	980		81.6	93	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		75.1	93	120	ug/Kg
98-86-2	Acetophenone	1000		62	93	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		77.3	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	980		42.2	57.2	57.2	ug/Kg
67-72-1	Hexachloroethane	1100		52.7	93	120	ug/Kg
98-95-3	Nitrobenzene	1000		53.8	93	120	ug/Kg
78-59-1	Isophorone	1000		48.7	93	120	ug/Kg
88-75-5	2-Nitrophenol	1200		68	93	120	ug/Kg
105-67-9	2,4-Dimethylphenol	880		71.3	93	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		80.1	93	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		55.9	93	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		55.5	93	120	ug/Kg
65-85-0	Benzoic acid	1100		150	190	240	ug/Kg
91-20-3	Naphthalene	1000		58.2	93	120	ug/Kg
106-47-8	4-Chloroaniline	200		75.1	93	120	ug/Kg
87-68-3	Hexachlorobutadiene	1100		60.1	93	120	ug/Kg
105-60-2	Caprolactam	1200		83.7	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		59	93	120	ug/Kg
91-57-6	2-Methylnaphthalene	1000		67.9	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BF031324
Lab Sample ID:	P1733-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.03	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
BF137578.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1900	E	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		55.2	93	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		62.9	93	120	ug/Kg
92-52-4	1,1-Biphenyl	1000		65.3	93	120	ug/Kg
91-58-7	2-Chloronaphthalene	1000		60.5	93	120	ug/Kg
88-74-4	2-Nitroaniline	1100		71.1	93	120	ug/Kg
131-11-3	Dimethylphthalate	1100		63.6	93	120	ug/Kg
208-96-8	Acenaphthylene	1100		63.3	93	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		64.4	93	120	ug/Kg
99-09-2	3-Nitroaniline	590		66.8	93	120	ug/Kg
83-32-9	Acenaphthene	980		57.5	93	120	ug/Kg
Total PAH	Total PAH	16250		1028.4	93	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	2100	E	81.6	190	240	ug/Kg
132-64-9	Dibenzofuran	980		55	93	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		135.9	93	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		71.5	93	120	ug/Kg
84-66-2	Diethylphthalate	1000		61.5	93	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	970		64.7	93	120	ug/Kg
86-73-7	Fluorene	960		60.7	93	120	ug/Kg
100-01-6	4-Nitroaniline	1100		74.4	93	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		62.8	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		66.8	93	120	ug/Kg
103-33-3	Azobenzene	1000		52.6	93	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		69.7	93	120	ug/Kg
118-74-1	Hexachlorobenzene	1200		70.7	93	120	ug/Kg
1912-24-9	Atrazine	1200		68.3	93	120	ug/Kg
87-86-5	Pentachlorophenol	2000	E	79.4	190	240	ug/Kg
85-01-8	Phenanthrene	1000		66.3	93	120	ug/Kg
120-12-7	Anthracene	1000		73	93	120	ug/Kg
86-74-8	Carbazole	1000		60.8	93	120	ug/Kg
84-74-2	Di-n-butylphthalate	1100		74.4	93	120	ug/Kg
206-44-0	Fluoranthene	970		67.5	93	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BF031324
Lab Sample ID:	P1733-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.03	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
BF137578.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1400		140	190	240	ug/Kg
129-00-0	Pyrene	950		59.9	93	120	ug/Kg
85-68-7	Butylbenzylphthalate	1400		73.7	93	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		60	93	120	ug/Kg
218-01-9	Chrysene	1100		62.1	93	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		82.3	93	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		88	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		57.5	93	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	990		63	93	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		67.5	93	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		76.6	93	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	970		69.1	93	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	860		66.2	93	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		64	93	120	ug/Kg
123-91-1	1,4-Dioxane	920		83.7	93	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		59.3	93	120	ug/Kg
90-12-0	1-Methylnaphthalene	980		64.5	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	82.048		18-112		55	SPK: -150
13127-88-3	Phenol-d6	79.395		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	54.475		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	53.239		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.895		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	48.242		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	207106	6.916				
1146-65-2	Naphthalene-d8	829251	8.187				
15067-26-2	Acenaphthene-d10	459633	9.945				
1517-22-2	Phenanthrene-d10	740051	11.439				
1719-03-5	Chrysene-d12	418854	14.11				
1520-96-3	Perylene-d12	479650	15.663				



Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MS	SDG No.:	BF031324
Lab Sample ID:	P1733-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137578.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BF031324
Lab Sample ID:	P1733-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.01 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
BF137579.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	970		55.3	190	240	ug/Kg
110-86-1	Pyridine	860		51.8	93.1	120	ug/Kg
100-52-7	Benzaldehyde	510		110	190	240	ug/Kg
62-53-3	Aniline	570		83.8	93.1	120	ug/Kg
108-95-2	Phenol	990		53.3	93.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		64.3	93.1	120	ug/Kg
95-57-8	2-Chlorophenol	1000		51.5	93.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100		58.5	93.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		63.4	93.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		59	93.1	120	ug/Kg
100-51-6	Benzyl Alcohol	1100		70.7	190	240	ug/Kg
95-48-7	2-Methylphenol	910		81.6	93.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		75.2	93.1	120	ug/Kg
98-86-2	Acetophenone	970		62.1	93.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	940		77.3	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	920		42.2	57.3	57.3	ug/Kg
67-72-1	Hexachloroethane	1100		52.7	93.1	120	ug/Kg
98-95-3	Nitrobenzene	960		53.8	93.1	120	ug/Kg
78-59-1	Isophorone	960		48.7	93.1	120	ug/Kg
88-75-5	2-Nitrophenol	1100		68.1	93.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	810		71.3	93.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	990		80.2	93.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		55.9	93.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		55.5	93.1	120	ug/Kg
65-85-0	Benzoic acid	970		150	190	240	ug/Kg
91-20-3	Naphthalene	960		58.3	93.1	120	ug/Kg
106-47-8	4-Chloroaniline	210		75.2	93.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		60.1	93.1	120	ug/Kg
105-60-2	Caprolactam	1000		83.8	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		59.1	93.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	950		67.9	93.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BF031324
Lab Sample ID:	P1733-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.01 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
BF137579.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1800		150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		55.2	93.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970		62.9	93.1	120	ug/Kg
92-52-4	1,1-Biphenyl	980		65.4	93.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	970		60.6	93.1	120	ug/Kg
88-74-4	2-Nitroaniline	1000		71.1	93.1	120	ug/Kg
131-11-3	Dimethylphthalate	990		63.6	93.1	120	ug/Kg
208-96-8	Acenaphthylene	1000		63.3	93.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		64.4	93.1	120	ug/Kg
99-09-2	3-Nitroaniline	560		66.9	93.1	120	ug/Kg
83-32-9	Acenaphthene	940		57.5	93.1	120	ug/Kg
Total PAH	Total PAH	15120		1028.9	93.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1800		130	190	240	ug/Kg
100-02-7	4-Nitrophenol	1900		81.6	190	240	ug/Kg
132-64-9	Dibenzofuran	930		55	93.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2000		135.9	93.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		71.5	93.1	120	ug/Kg
84-66-2	Diethylphthalate	980		61.5	93.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	930		64.7	93.1	120	ug/Kg
86-73-7	Fluorene	900		60.7	93.1	120	ug/Kg
100-01-6	4-Nitroaniline	940		74.4	93.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		62.9	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		66.8	93.1	120	ug/Kg
103-33-3	Azobenzene	930		52.6	93.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		69.7	93.1	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		70.7	93.1	120	ug/Kg
1912-24-9	Atrazine	1100		68.3	93.1	120	ug/Kg
87-86-5	Pentachlorophenol	1900		79.5	190	240	ug/Kg
85-01-8	Phenanthrene	960		66.4	93.1	120	ug/Kg
120-12-7	Anthracene	960		73	93.1	120	ug/Kg
86-74-8	Carbazole	950		60.8	93.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		74.4	93.1	120	ug/Kg
206-44-0	Fluoranthene	910		67.6	93.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BF031324
Lab Sample ID:	P1733-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.01 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
BF137579.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200		140	190	240	ug/Kg
129-00-0	Pyrene	880		59.9	93.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	1300		73.7	93.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1000		60.1	93.1	120	ug/Kg
218-01-9	Chrysene	1000		62.1	93.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		82.3	93.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		88	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		57.5	93.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	940		63.1	93.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		67.5	93.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	890		76.6	93.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	890		69.1	93.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	790		66.2	93.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1000		64	93.1	120	ug/Kg
123-91-1	1,4-Dioxane	870		83.8	93.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	980		59.3	93.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	930		64.6	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.371		18-112		52	SPK: -150
13127-88-3	Phenol-d6	74.807		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	50.171		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	50.12		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.576		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	44.496		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	196309	6.922				
1146-65-2	Naphthalene-d8	789766	8.192				
15067-26-2	Acenaphthene-d10	436022	9.945				
1517-22-2	Phenanthrene-d10	692186	11.439				
1719-03-5	Chrysene-d12	395934	14.11				
1520-96-3	Perylene-d12	455740	15.668				



Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1MSD	SDG No.:	BF031324
Lab Sample ID:	P1733-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.2
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 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
BF137579.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF031324
Lab Sample ID:	P1733-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	50.02	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
BF137580.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.8	U	55.8	190	240	ug/Kg
110-86-1	Pyridine	52.3	U	52.3	93.8	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	190	240	ug/Kg
62-53-3	Aniline	84.4	U	84.4	93.8	120	ug/Kg
108-95-2	Phenol	53.7	U	53.7	93.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	64.8	U	64.8	93.8	120	ug/Kg
95-57-8	2-Chlorophenol	52	U	52	93.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59	U	59	93.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	63.9	U	63.9	93.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.5	U	59.5	93.8	120	ug/Kg
100-51-6	Benzyl Alcohol	71.3	U	71.3	190	240	ug/Kg
95-48-7	2-Methylphenol	82.3	U	82.3	93.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	75.8	U	75.8	93.8	120	ug/Kg
98-86-2	Acetophenone	62.6	U	62.6	93.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	77.9	U	77.9	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.6	U	42.6	57.7	57.7	ug/Kg
67-72-1	Hexachloroethane	53.1	U	53.1	93.8	120	ug/Kg
98-95-3	Nitrobenzene	54.3	U	54.3	93.8	120	ug/Kg
78-59-1	Isophorone	49.2	U	49.2	93.8	120	ug/Kg
88-75-5	2-Nitrophenol	68.6	U	68.6	93.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	71.9	U	71.9	93.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	80.8	U	80.8	93.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.4	U	56.4	93.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.9	U	55.9	93.8	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	240	ug/Kg
91-20-3	Naphthalene	58.7	U	58.7	93.8	120	ug/Kg
106-47-8	4-Chloroaniline	75.8	U	75.8	93.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.6	U	60.6	93.8	120	ug/Kg
105-60-2	Caprolactam	84.4	U	84.4	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.5	U	59.5	93.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.5	U	68.5	93.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF031324
Lab Sample ID:	P1733-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	50.02	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
BF137580.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.6	U	55.6	93.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.4	U	63.4	93.8	120	ug/Kg
92-52-4	1,1-Biphenyl	65.9	U	65.9	93.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.1	U	61.1	93.8	120	ug/Kg
88-74-4	2-Nitroaniline	71.7	U	71.7	93.8	120	ug/Kg
131-11-3	Dimethylphthalate	64.2	U	64.2	93.8	120	ug/Kg
208-96-8	Acenaphthylene	63.8	U	63.8	93.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65	U	65	93.8	120	ug/Kg
99-09-2	3-Nitroaniline	67.4	U	67.4	93.8	120	ug/Kg
83-32-9	Acenaphthene	58	U	58	93.8	120	ug/Kg
Total PAH	Total PAH	1037.2	U	1037.2	93.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	240	ug/Kg
100-02-7	4-Nitrophenol	82.3	U	82.3	190	240	ug/Kg
132-64-9	Dibenzofuran	55.5	U	55.5	93.8	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.1	U	72.1	93.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	137.1	U	137.1	93.8	240	ug/Kg
84-66-2	Diethylphthalate	62	U	62	93.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.2	U	65.2	93.8	120	ug/Kg
86-73-7	Fluorene	61.2	U	61.2	93.8	120	ug/Kg
100-01-6	4-Nitroaniline	75.1	U	75.1	93.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.4	U	63.4	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.3	U	67.3	93.8	120	ug/Kg
103-33-3	Azobenzene	53	U	53	93.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.3	U	70.3	93.8	120	ug/Kg
118-74-1	Hexachlorobenzene	71.3	U	71.3	93.8	120	ug/Kg
1912-24-9	Atrazine	68.9	U	68.9	93.8	120	ug/Kg
87-86-5	Pentachlorophenol	80.1	U	80.1	190	240	ug/Kg
85-01-8	Phenanthrene	66.9	U	66.9	93.8	120	ug/Kg
120-12-7	Anthracene	73.6	U	73.6	93.8	120	ug/Kg
86-74-8	Carbazole	61.3	U	61.3	93.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.1	U	75.1	93.8	120	ug/Kg
206-44-0	Fluoranthene	68.1	U	68.1	93.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF031324
Lab Sample ID:	P1733-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	50.02	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
BF137580.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	240	ug/Kg
129-00-0	Pyrene	60.4	U	60.4	93.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.3	U	74.3	93.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	60.6	U	60.6	93.8	120	ug/Kg
218-01-9	Chrysene	62.6	U	62.6	93.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	97.6	J	83	93.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	88.8	U	88.8	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58	U	58	93.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.6	U	63.6	93.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.1	U	68.1	93.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.2	U	77.2	93.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	69.6	U	69.6	93.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	66.8	U	66.8	93.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.5	U	64.5	93.8	120	ug/Kg
123-91-1	1,4-Dioxane	84.4	U	84.4	93.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	59.8	U	59.8	93.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.1	U	65.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	98.459		18-112		66	SPK: -150
13127-88-3	Phenol-d6	94.336		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	65.119		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	63.201		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.19		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	55.212		14-112		55	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	211108	6.922				
1146-65-2	Naphthalene-d8	841061	8.192				
15067-26-2	Acenaphthene-d10	466684	9.945				
1517-22-2	Phenanthrene-d10	751155	11.445				
1719-03-5	Chrysene-d12	473239	14.104				
1520-96-3	Perylene-d12	483794	15.674				

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-2	SDG No.:	BF031324
Lab Sample ID:	P1733-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.9
Sample Wt/Vol:	50.02	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
BF137580.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	620	J			2.316	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	200	J			9.386	
000057-10-3	n-Hexadecanoic acid	91.4	J			11.992	
000301-02-0	9-Octadecenamide, (Z)-	99.1	J			13.539	
1000406-04-8	Pentadecafluorooctanoic acid, octa	120	J			13.963	
007683-64-9	Supraene	70.5	J			15.015	

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF031324
Lab Sample ID:	P1733-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.9
Sample Wt/Vol:	50.07	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
BF137581.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.4	U	56.4	200	240	ug/Kg
110-86-1	Pyridine	52.8	U	52.8	94.9	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	85.4	U	85.4	94.9	120	ug/Kg
108-95-2	Phenol	54.3	U	54.3	94.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.5	U	65.5	94.9	120	ug/Kg
95-57-8	2-Chlorophenol	52.5	U	52.5	94.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.6	U	59.6	94.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.6	U	64.6	94.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	60.1	U	60.1	94.9	120	ug/Kg
100-51-6	Benzyl Alcohol	72.1	U	72.1	200	240	ug/Kg
95-48-7	2-Methylphenol	83.2	U	83.2	94.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.6	U	76.6	94.9	120	ug/Kg
98-86-2	Acetophenone	63.3	U	63.3	94.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.8	U	78.8	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.1	U	43.1	58.4	58.4	ug/Kg
67-72-1	Hexachloroethane	53.7	U	53.7	94.9	120	ug/Kg
98-95-3	Nitrobenzene	54.9	U	54.9	94.9	120	ug/Kg
78-59-1	Isophorone	49.7	U	49.7	94.9	120	ug/Kg
88-75-5	2-Nitrophenol	69.4	U	69.4	94.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.7	U	72.7	94.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.7	U	81.7	94.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	57	U	57	94.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.6	U	56.6	94.9	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	59.4	U	59.4	94.9	120	ug/Kg
106-47-8	4-Chloroaniline	76.6	U	76.6	94.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	61.3	U	61.3	94.9	120	ug/Kg
105-60-2	Caprolactam	85.4	U	85.4	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	60.2	U	60.2	94.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	69.3	U	69.3	94.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF031324
Lab Sample ID:	P1733-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.9
Sample Wt/Vol:	50.07	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
BF137581.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	56.3	U	56.3	94.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	64.1	U	64.1	94.9	120	ug/Kg
92-52-4	1,1-Biphenyl	66.6	U	66.6	94.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.7	U	61.7	94.9	120	ug/Kg
88-74-4	2-Nitroaniline	72.5	U	72.5	94.9	120	ug/Kg
131-11-3	Dimethylphthalate	64.9	U	64.9	94.9	120	ug/Kg
208-96-8	Acenaphthylene	64.5	U	64.5	94.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.7	U	65.7	94.9	120	ug/Kg
99-09-2	3-Nitroaniline	68.2	U	68.2	94.9	120	ug/Kg
83-32-9	Acenaphthene	58.6	U	58.6	94.9	120	ug/Kg
Total PAH	Total PAH	1048.7	U	1048.7	94.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	83.2	U	83.2	200	240	ug/Kg
132-64-9	Dibenzofuran	56.1	U	56.1	94.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	38.6	U	138.6	94.9	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.9	U	72.9	94.9	120	ug/Kg
84-66-2	Diethylphthalate	62.7	U	62.7	94.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	66	U	66	94.9	120	ug/Kg
86-73-7	Fluorene	61.9	U	61.9	94.9	120	ug/Kg
100-01-6	4-Nitroaniline	75.9	U	75.9	94.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	64.1	U	64.1	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	68.1	U	68.1	94.9	120	ug/Kg
103-33-3	Azobenzene	53.6	U	53.6	94.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	71.1	U	71.1	94.9	120	ug/Kg
118-74-1	Hexachlorobenzene	72.1	U	72.1	94.9	120	ug/Kg
1912-24-9	Atrazine	69.6	U	69.6	94.9	120	ug/Kg
87-86-5	Pentachlorophenol	81	U	81	200	240	ug/Kg
85-01-8	Phenanthrene	67.7	U	67.7	94.9	120	ug/Kg
120-12-7	Anthracene	74.4	U	74.4	94.9	120	ug/Kg
86-74-8	Carbazole	62	U	62	94.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.9	U	75.9	94.9	120	ug/Kg
206-44-0	Fluoranthene	68.9	U	68.9	94.9	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF031324
Lab Sample ID:	P1733-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.9
Sample Wt/Vol:	50.07	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
BF137581.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	61.1	U	61.1	94.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	75.2	U	75.2	94.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	61.2	U	61.2	94.9	120	ug/Kg
218-01-9	Chrysene	63.3	U	63.3	94.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.9	U	83.9	94.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.8	U	89.8	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.6	U	58.6	94.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	64.3	U	64.3	94.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.8	U	68.8	94.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	94.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70.4	U	70.4	94.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.5	U	67.5	94.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	65.2	U	65.2	94.9	120	ug/Kg
123-91-1	1,4-Dioxane	85.4	U	85.4	94.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.5	U	60.5	94.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.8	U	65.8	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.888		18-112		65	SPK: -150
13127-88-3	Phenol-d6	94.391		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	63.47		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	59.349		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.861		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	47.788		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	219012	6.951				
1146-65-2	Naphthalene-d8	906419	8.216				
15067-26-2	Acenaphthene-d10	502510	9.975				
1517-22-2	Phenanthrene-d10	799454	11.469				
1719-03-5	Chrysene-d12	527533	14.139				
1520-96-3	Perylene-d12	530792	15.721				



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-3	SDG No.:	BF031324
Lab Sample ID:	P1733-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.9
Sample Wt/Vol:	50.07	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
BF137581.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159568

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	680	J			2.363	
000057-10-3	n-Hexadecanoic acid	130	J			12.021	
000301-02-0	9-Octadecenamide, (Z)-	140	J			13.568	
1000351-88-8	Nonadecyl pentafluoropropionate	150	J			13.992	

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-02	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
BF137582.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

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
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

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-02	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 Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137582.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-02	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
BF137582.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	113.927		10-139		76	SPK: -150
13127-88-3	Phenol-d6	100.467		10-134		67	SPK: -150
4165-60-0	Nitrobenzene-d5	82.444		49-133		82	SPK: -100
321-60-8	2-Fluorobiphenyl	77.288		52-132		77	SPK: -100
118-79-6	2,4,6-Tribromophenol	133.602		32-145		89	SPK: -150
1718-51-0	Terphenyl-d14	72.736		36-145		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	202788	6.975				
1146-65-2	Naphthalene-d8	801070	8.234				
15067-26-2	Acenaphthene-d10	451016	9.992				
1517-22-2	Phenanthrene-d10	702186	11.486				
1719-03-5	Chrysene-d12	436098	14.157				
1520-96-3	Perylene-d12	447251	15.751				



Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860	SDG No.:	BF031324
Lab Sample ID:	P1725-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	PH :
		GPC Cleanup :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137582.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-02MS	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
BF137583.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		10.3	80	100	ug/L
110-86-1	Pyridine	300		15.5	40	50	ug/L
100-52-7	Benzaldehyde	140		40	80	100	ug/L
62-53-3	Aniline	140		16	40	50	ug/L
108-95-2	Phenol	330		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	390		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	400		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	400		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	390		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	430		16	80	100	ug/L
95-48-7	2-Methylphenol	350		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	350		13.5	40	50	ug/L
98-86-2	Acetophenone	390		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	360		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	360		14.8	25	25	ug/L
67-72-1	Hexachloroethane	400		10.1	40	50	ug/L
98-95-3	Nitrobenzene	370		12.7	40	50	ug/L
78-59-1	Isophorone	380		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	410		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	310		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	390		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	400		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	390		11	40	50	ug/L
65-85-0	Benzoic acid	160		54.7	80	100	ug/L
91-20-3	Naphthalene	380		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	39.8	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	380		12.7	40	50	ug/L
105-60-2	Caprolactam	380		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	410		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	370		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-02MS	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
BF137583.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	680		50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	430		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	390		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	400		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	410		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	440		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	420		9.3	40	50	ug/L
208-96-8	Acenaphthylene	400		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	440		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	210		13.7	40	50	ug/L
83-32-9	Acenaphthene	380		8.1	40	50	ug/L
Total PAH	Total PAH	6450		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	360		64.2	80	100	ug/L
100-02-7	4-Nitrophenol	710		20	80	100	ug/L
132-64-9	Dibenzofuran	390		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	880		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	440		15.2	40	50	ug/L
84-66-2	Diethylphthalate	420		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	390		9.8	40	50	ug/L
86-73-7	Fluorene	380		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	400		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	270		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	430		8.9	40	50	ug/L
103-33-3	Azobenzene	400		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	460		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	480		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	670		18.5	80	100	ug/L
85-01-8	Phenanthrene	410		8.9	40	50	ug/L
120-12-7	Anthracene	420		10.7	40	50	ug/L
86-74-8	Carbazole	420		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		14.7	40	50	ug/L
206-44-0	Fluoranthene	390		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-02MS	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
BF137583.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	390		40.7	80	100	ug/L
129-00-0	Pyrene	370		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	580		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	290		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	430		9.4	40	50	ug/L
218-01-9	Chrysene	440		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	610		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	590		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	460		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	430		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	440		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	390		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	390		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	340		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	400		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	320		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	420		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	370		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	104.057		10-139		69	SPK: -150
13127-88-3	Phenol-d6	93.437		10-134		62	SPK: -150
4165-60-0	Nitrobenzene-d5	73.341		49-133		73	SPK: -100
321-60-8	2-Fluorobiphenyl	73.316		52-132		73	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.983		32-145		85	SPK: -150
1718-51-0	Terphenyl-d14	71.995		36-145		72	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	206963	6.998				
1146-65-2	Naphthalene-d8	825045	8.263				
15067-26-2	Acenaphthene-d10	455134	10.022				
1517-22-2	Phenanthrene-d10	729263	11.516				
1719-03-5	Chrysene-d12	421690	14.186				
1520-96-3	Perylene-d12	474304	15.792				



Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MS	SDG No.:	BF031324
Lab Sample ID:	P1725-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF137583.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-02MSD	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
BF137584.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	320		15.5	40	50	ug/L
100-52-7	Benzaldehyde	140		40	80	100	ug/L
62-53-3	Aniline	150		16	40	50	ug/L
108-95-2	Phenol	340		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	400		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	410		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	410		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	400		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	390		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	440		16	80	100	ug/L
95-48-7	2-Methylphenol	350		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	350		13.5	40	50	ug/L
98-86-2	Acetophenone	400		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	370		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	370		14.8	25	25	ug/L
67-72-1	Hexachloroethane	400		10.1	40	50	ug/L
98-95-3	Nitrobenzene	380		12.7	40	50	ug/L
78-59-1	Isophorone	390		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	440		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	330		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	400		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	420		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	410		11	40	50	ug/L
65-85-0	Benzoic acid	140		54.7	80	100	ug/L
91-20-3	Naphthalene	390		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	38.5	J	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	400		12.7	40	50	ug/L
105-60-2	Caprolactam	380		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	420		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	390		11.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-02MSD	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
BF137584.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	680		50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	440		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	410		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	410		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	420		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	450		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	440		9.3	40	50	ug/L
208-96-8	Acenaphthylene	420		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	460		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	220		13.7	40	50	ug/L
83-32-9	Acenaphthene	400		8.1	40	50	ug/L
Total PAH	Total PAH	6760		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	310		64.2	80	100	ug/L
100-02-7	4-Nitrophenol	720		20	80	100	ug/L
132-64-9	Dibenzofuran	400		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	410		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	450		15.2	40	50	ug/L
84-66-2	Diethylphthalate	430		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	400		9.8	40	50	ug/L
86-73-7	Fluorene	400		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	430		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	250		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	460		8.9	40	50	ug/L
103-33-3	Azobenzene	420		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	470		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	500		11.4	40	50	ug/L
1912-24-9	Atrazine	490		12.6	40	50	ug/L
87-86-5	Pentachlorophenol	680		18.5	80	100	ug/L
85-01-8	Phenanthrene	430		8.9	40	50	ug/L
120-12-7	Anthracene	430		10.7	40	50	ug/L
86-74-8	Carbazole	440		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	460		14.7	40	50	ug/L
206-44-0	Fluoranthene	410		12.9	40	50	ug/L

Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-02MSD	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
BF137584.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	410		40.7	80	100	ug/L
129-00-0	Pyrene	400		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	620		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	300		12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	440		9.4	40	50	ug/L
218-01-9	Chrysene	460		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	630		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	620		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	480		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	460		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	410		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	410		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	350		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	430		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	330		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	430		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	380		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	104.838		10-139		70	SPK: -150
13127-88-3	Phenol-d6	95.095		10-134		63	SPK: -150
4165-60-0	Nitrobenzene-d5	76.154		49-133		76	SPK: -100
321-60-8	2-Fluorobiphenyl	76.155		52-132		76	SPK: -100
118-79-6	2,4,6-Tribromophenol	135.073		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	75.835		36-145		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209389	7.028				
1146-65-2	Naphthalene-d8	822307	8.286				
15067-26-2	Acenaphthene-d10	448946	10.039				
1517-22-2	Phenanthrene-d10	725858	11.539				
1719-03-5	Chrysene-d12	419045	14.21				
1520-96-3	Perylene-d12	454211	15.833				



Report of Analysis

Client:		Date Collected:	3/11/2024 12:00:00 AM
Project:		Date Received:	3/11/2024 12:00:00 AM
Client Sample ID:	RT-3860MSD	SDG No.:	BF031324
Lab Sample ID:	P1725-02MSD	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
BF137584.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-04	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
BF137585.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

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	190		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
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

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-04	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
BF137585.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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
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

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-04	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
BF137585.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	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	117.443		10-139		78	SPK: -150
13127-88-3	Phenol-d6	104.89		10-134		70	SPK: -150
4165-60-0	Nitrobenzene-d5	83.611		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	79.846		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.197		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	75.16		36-145		75	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	203222	7.045				
1146-65-2	Naphthalene-d8	821504	8.298				
15067-26-2	Acenaphthene-d10	458734	10.057				
1517-22-2	Phenanthrene-d10	747964	11.551				
1719-03-5	Chrysene-d12	453693	14.221				
1520-96-3	Perylene-d12	401580	15.868				

Report of Analysis

Client:		Date Collected:	3/12/2024 12:00:00 AM
Project:		Date Received:	3/12/2024 12:00:00 AM
Client Sample ID:	WC-1	SDG No.:	BF031324
Lab Sample ID:	P1733-04	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
BF137585.D	1	3/13/2024 12:00:00 AM	3/13/2024 12:00:00 AM	PB159572

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
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Hit Summary Sheet

SW-846

SDG No.: BF031324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RT-3860								
P1725-01	RT-3860	Solid	1,2,4,8-Tetramethylbicyclo[6.3.0]i *	130.000	J			
P1725-01	RT-3860	Solid	1,4-Benzenedicarboxylic acid, bis *	8,400.000	J			
P1725-01	RT-3860	Solid	Butane, 2-methoxy-2-methyl- *	530.000	J			
P1725-01	RT-3860	Solid	n-Hexadecanoic acid *	240.000	J			
P1725-01	RT-3860	Solid	Octadecanoic acid *	120.000	J			
P1725-01	RT-3860	Solid	Oxalic acid, isobutyl hexadecyl es *	150.000	J			
Total Tics :				9,570.00				
P1725-01	RT-3860	Solid	Benzo(b)fluoranthene	99.300	J	56.6	120	ug/Kg
P1725-01	RT-3860	Solid	Chrysene	73.500	J	61.2	120	ug/Kg
P1725-01	RT-3860	Solid	Fluoranthene	150.000		66.5	120	ug/Kg
P1725-01	RT-3860	Solid	Pyrene	100.000	J	59	120	ug/Kg
Total Svoc :				422.80				
Total Concentration:				9,992.80				
Client ID : WC-1								
P1733-01	WC-1	Solid	1-Heptacosanol *	140.000	J			
P1733-01	WC-1	Solid	Butane, 2-methoxy-2-methyl- *	540.000	J			
P1733-01	WC-1	Solid	Hexadecane *	99.400	J			
P1733-01	WC-1	Solid	n-Hexadecanoic acid *	65.100	J			
P1733-01	WC-1	Solid	unknown14.504 *	120.000	J			
Total Tics :				964.50				
Total Concentration:				964.50				
Client ID : WC-1								
P1733-04	WC-1	water	Benzoic acid	190.000		54.7	100	ug/L
Total Svoc :				190.00				
Total Concentration:				190.00				
Client ID : WC-2								
P1733-05	WC-2	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	200.000	J			
P1733-05	WC-2	Solid	9-Octadecenamide, (Z)- *	99.100	J			
P1733-05	WC-2	Solid	Butane, 2-methoxy-2-methyl- *	620.000	J			
P1733-05	WC-2	Solid	n-Hexadecanoic acid *	91.400	J			
P1733-05	WC-2	Solid	Pentadecafluorooctanoic acid, oct: *	120.000	J			
P1733-05	WC-2	Solid	Supraene *	70.500	J			
Total Tics :				1,201.00				
P1733-05	WC-2	Solid	Bis(2-ethylhexyl)phthalate	97.600	J	83	120	ug/Kg
Total Svoc :				97.60				
Total Concentration:				1,298.60				
Client ID : WC-3								
P1733-09	WC-3	Solid	9-Octadecenamide, (Z)- *	140.000	J			



Hit Summary Sheet
SW-846

SDG No.: BF031324

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P1733-09	WC-3	Solid	Butane, 2-methoxy-2-methyl-	*	680.000	J		
P1733-09	WC-3	Solid	n-Hexadecanoic acid	*	130.000	J		
P1733-09	WC-3	Solid	Nonadecyl pentafluoropropionate	*	150.000	J		
Total Tics :					1,100.00			
Total Concentration:					1,100.00			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID: RRF2.5 = BF137439.D RRF005 = BF137440.D RRF010 = BF137441.D RRF020 = BF137442.D RRF040 = BF137443.D RRF050 = BF137444.D								
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.425	0.628	0.700	0.710	0.652	17.9
Pyridine		1.361	1.529	1.895	1.910	1.832	1.741	12.2
2-Fluorophenol		1.221	1.350	1.475	1.380	1.318	1.321	7.1
Benzaldehyde		0.824	0.936	1.041	1.001	0.950	0.934	8.1
Aniline		2.090	2.322	2.553	2.462	2.343	2.329	6.8
Phenol-d6		1.987	2.007	2.095	1.924	1.832	1.906	7.4
Phenol		2.046	2.142	2.271	2.125	2.004	2.052	7.5
bis(2-Chloroethyl)ether		1.600	1.380	1.546	1.577	1.523	1.503	5.4
2-Chlorophenol		1.432	1.462	1.537	1.417	1.354	1.393	7.4
1,2-Dichlorobenzene		1.533	1.522	1.553	1.399	1.334	1.398	10.6
1,3-Dichlorobenzene		1.559	1.559	1.620	1.505	1.437	1.488	6.9
1,4-Dichlorobenzene		1.659	1.572	1.670	1.544	1.449	1.523	8.2
Benzyl Alcohol		1.046	1.221	1.364	1.272	1.190	1.187	9.6
2-Methylphenol		1.299	1.348	1.410	1.325	1.277	1.303	5.3
2,2-oxybis(1-Chloropropane)		2.765	2.745	2.815	2.596	2.486	2.584	8.1
Acetophenone		0.508	0.525	0.540	0.480	0.467	0.484	9.2
3+4-Methylphenols		1.518	1.665	1.745	1.509	1.408	1.493	11.8
n-Nitroso-di-n-propylamine	1.240	1.246	1.252	1.290	1.161	1.097	1.177	7.9
Nitrobenzene-d5		0.418	0.437	0.471	0.441	0.427	0.430	5.4
Hexachloroethane		0.497	0.502	0.546	0.513	0.493	0.501	5.1
Nitrobenzene		0.406	0.434	0.465	0.440	0.439	0.432	4.7
Isophorone		0.816	0.831	0.862	0.820	0.807	0.818	3.3
2-Nitrophenol		0.140	0.162	0.182	0.178	0.183	0.172	9.2
2,4-Dimethylphenol		0.312	0.330	0.351	0.327	0.319	0.321	5.7
bis(2-Chloroethoxy)methane		0.465	0.498	0.522	0.488	0.476	0.480	5.5
2,4-Dichlorophenol		0.279	0.296	0.322	0.302	0.297	0.294	5.4
1,2,4-Trichlorobenzene		0.323	0.326	0.332	0.310	0.302	0.310	6.3
Benzoic acid			0.123	0.141	0.165	0.182	0.167	17.9
Naphthalene		1.163	1.163	1.192	1.058	1.028	1.073	9.7
4-Chloroaniline		0.369	0.430	0.467	0.444	0.430	0.421	8.4
Hexachlorobutadiene		0.191	0.191	0.195	0.184	0.177	0.183	5.7
Caprolactam		0.095	0.096	0.104	0.102	0.102	0.100	3.8
4-Chloro-3-methylphenol		0.328	0.335	0.354	0.336	0.325	0.329	4.6
2-Methylnaphthalene		0.732	0.748	0.760	0.684	0.654	0.684	9.8
Hexachlorocyclopentadiene			0.084	0.141	0.190	0.211	0.180	31.6
2,4,6-Trichlorophenol		0.355	0.355	0.387	0.375	0.364	0.364	3.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 _____

LAB FILE ID:		RRF2.5 = BF137439.D		RRF005 = BF137440.D		RRF010 = BF137441.D		
		RRF020 = BF137442.D		RRF040 = BF137443.D		RRF050 = BF137444.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.509	1.467	1.412	1.240	1.157	1.278	14.5
2,4,5-Trichlorophenol		0.413	0.398	0.464	0.428	0.417	0.419	5.5
1,1-Biphenyl		1.595	1.586	1.619	1.465	1.379	1.464	9.8
2-Chloronaphthalene		1.192	1.170	1.217	1.122	1.067	1.116	7.4
2-Nitroaniline		0.289	0.345	0.399	0.402	0.411	0.379	12.1
Dimethylphthalate		1.476	1.481	1.498	1.378	1.327	1.392	6.8
Acenaphthylene		1.993	1.932	1.981	1.798	1.679	1.786	11.0
2,6-Dinitrotoluene		0.270	0.283	0.315	0.300	0.292	0.291	5.1
3-Nitroaniline		0.269	0.291	0.311	0.329	0.323	0.308	7.1
Acenaphthene		1.175	1.160	1.179	1.057	0.997	1.066	10.0
2,4-Dinitrophenol			0.044	0.088	0.122	0.131	0.111	34.5
4-Nitrophenol			0.104	0.181	0.206	0.216	0.190	23.6
Dibenzofuran		1.816	1.800	1.834	1.615	1.513	1.624	12.3
2,4-Dinitrotoluene		0.310	0.356	0.397	0.378	0.370	0.358	8.2
Diethylphthalate		1.401	1.415	1.438	1.311	1.250	1.315	8.3
4-Chlorophenyl-phenylether		0.701	0.682	0.674	0.589	0.564	0.611	12.0
Fluorene		1.447	1.420	1.402	1.211	1.129	1.247	14.0
4-Nitroaniline		0.217	0.238	0.296	0.273	0.277	0.265	10.5
4,6-Dinitro-2-methylphenol			0.080	0.107	0.117	0.121	0.111	14.7
n-Nitrosodiphenylamine		0.669	0.687	0.699	0.636	0.625	0.644	6.6
Azobenzene		1.617	1.602	1.647	1.524	1.452	1.514	7.7
2,4,6-Tribromophenol		0.169	0.174	0.187	0.175	0.173	0.176	3.3
4-Bromophenyl-phenylether		0.213	0.219	0.236	0.221	0.216	0.218	4.3
Hexachlorobenzene		0.225	0.225	0.233	0.217	0.217	0.220	4.1
Atrazine		0.190	0.199	0.214	0.197	0.195	0.196	4.8
Pentachlorophenol			0.105	0.133	0.139	0.142	0.133	10.7
Phenanthrene		1.206	1.195	1.203	1.058	1.036	1.088	10.4
Anthracene		1.203	1.195	1.248	1.088	1.085	1.118	9.1
Carbazole		0.998	1.027	1.062	0.952	0.931	0.958	8.4
Di-n-butylphthalate		1.192	1.203	1.255	1.140	1.116	1.139	7.6
Fluoranthene		1.208	1.167	1.185	1.030	1.005	1.064	11.6
Benzidine			0.375	0.497	0.568	0.541	0.489	14.4
Pyrene		1.874	1.929	2.096	2.064	1.969	1.962	4.9
Terphenyl-d14		1.470	1.472	1.534	1.490	1.441	1.454	4.2
Butylbenzylphthalate		0.405	0.441	0.506	0.527	0.540	0.501	11.4
3,3-Dichlorobenzidine		0.274	0.318	0.390	0.417	0.398	0.373	14.8

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.: BF022924

SAS No.: BF022924

SDG No.: BF022924

Instrument ID: _____

Calibration Date(s): 2/29/2024 : _____

Calibration Time(s): 12:44 : _____

LAB FILE ID:		RRF2.5 = BF137439.D			RRF005 = BF137440.D		RRF010 = BF137441.D	
		RRF020 = BF137442.D			RRF040 = BF137443.D		RRF050 = BF137444.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.401	1.405	1.519	1.416	1.380	1.402	4.6
Chrysene		1.427	1.407	1.493	1.447	1.384	1.417	3.1
Bis(2-ethylhexyl)phthalate		0.540	0.560	0.655	0.677	0.668	0.637	9.6
Di-n-octyl phthalate			0.808	0.979	1.196	1.170	1.120	17.1
Benzo(b)fluoranthene		1.181	1.174	1.292	1.200	1.166	1.183	5.0
Benzo(k)fluoranthene		1.372	1.359	1.352	1.231	1.217	1.271	7.2
Benzo(a)pyrene		1.115	1.144	1.249	1.210	1.165	1.166	4.5
Indeno(1,2,3-cd)pyrene		1.135	1.258	1.395	1.392	1.355	1.316	7.2
Dibenzo(a,h)anthracene		0.901	1.008	1.134	1.134	1.101	1.068	8.2
Benzo(g,h,i)perylene		0.943	1.030	1.171	1.162	1.132	1.096	7.6
1,2,4,5-Tetrachlorobenzene		0.576	0.584	0.609	0.563	0.543	0.558	6.5
1,4-Dioxane		0.715	0.716	0.764	0.742	0.710	0.722	3.5
2,3,4,6-Tetrachlorophenol		0.336	0.346	0.363	0.341	0.329	0.336	5.0
1-Methylnaphthalene		0.704	0.710	0.718	0.635	0.605	0.644	10.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF031324 SAS No.: BF031324 SDG NO.: BF031324

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 13 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 09:57

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	211004	6.804	833843	8.08	463807	9.84
	UPPER LIMIT	422008	7.304	1667686	8.581	927614	10.339
	LOWER LIMIT	105502	6.304	416921.5	7.581	231903.5	9.339
	EPA SAMPLE NO.						
01	PB159549BL	240013	6.90	936243	8.18	506669	9.93
02	PB159549BS	226722	6.90	900201	8.18	492149	9.93
03	RT-3860	214800	6.91	837945	8.18	478637	9.93
04	RT-3860MS	222693	6.91	865176	8.18	477319	9.94
05	RT-3860MSD	213754	6.92	857929	8.18	474142	9.94
06	WC-1	215179	6.92	864956	8.18	489186	9.94
07	WC-1MS	207106	6.92	829251	8.19	459633	9.95
08	WC-1MSD	196309	6.92	789766	8.19	436022	9.95
09	WC-2	211108	6.92	841061	8.19	466684	9.95
10	WC-3	219012	6.95	906419	8.22	502510	9.98
11	RT-3860	202788	6.98	801070	8.23	451016	9.99
12	RT-3860MS	206963	7.00	825045	8.26	455134	10.02
13	RT-3860MSD	209389	7.03	822307	8.29	448946	10.04
14	WC-1	203222	7.05	821504	8.30	458734	10.06

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.



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BF031324 SAS No.: BF031324 SDG NO.: BF031324EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 13 2024 12:00AMLab File ID: BF137571.D Time Analyzed: 09:57Instrument 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	210293	6.904	807067	8.18	454486	9.93
	UPPER LIMIT	420586	7.404	1614134	8.675	908972	10.433
	LOWER LIMIT	105146.5	6.404	403533.5	7.675	227243	9.433
	EPA SAMPLE NO.						
01	PB159549BL	240013	6.90	936243	8.18	506669	9.93
02	PB159549BS	226722	6.90	900201	8.18	492149	9.93
03	RT-3860	214800	6.91	837945	8.18	478637	9.93
04	RT-3860MS	222693	6.91	865176	8.18	477319	9.94
05	RT-3860MSD	213754	6.92	857929	8.18	474142	9.94
06	WC-1	215179	6.92	864956	8.18	489186	9.94
07	WC-1MS	207106	6.92	829251	8.19	459633	9.95
08	WC-1MSD	196309	6.92	789766	8.19	436022	9.95
09	WC-2	211108	6.92	841061	8.19	466684	9.95
10	WC-3	219012	6.95	906419	8.22	502510	9.98
11	RT-3860	202788	6.98	801070	8.23	451016	9.99
12	RT-3860MS	206963	7.00	825045	8.26	455134	10.02
13	RT-3860MSD	209389	7.03	822307	8.29	448946	10.04
14	WC-1	203222	7.05	821504	8.30	458734	10.06

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF031324 SAS No.: BF031324 SDG NO.: BF031324

EPA Sample No.: SSTDICCC040 Date Analyzed: Mar 13 2024 12:00AM

Lab File ID: BF137443.D Time Analyzed: 09:57

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	794722	11.328	399789	13.986	384521	15.486
UPPER LIMIT	1589444	11.828	799578	14.486	769042	15.986
LOWER LIMIT	397361	10.828	199894.5	13.486	192260.5	14.986
EPA SAMPLE NO.						
01 PB159549BL	911507	11.43	634047	14.09	494474	15.65
02 PB159549BS	872067	11.43	503230	14.10	435106	15.65
03 RT-3860	846299	11.43	533934	14.10	522993	15.65
04 RT-3860MS	760348	11.44	439262	14.10	507303	15.66
05 RT-3860MSD	742236	11.44	430728	14.10	499010	15.66
06 WC-1	811883	11.43	494184	14.10	500555	15.66
07 WC-1MS	740051	11.44	418854	14.11	479650	15.66
08 WC-1MSD	692186	11.44	395934	14.11	455740	15.67
09 WC-2	751155	11.45	473239	14.10	483794	15.67
10 WC-3	799454	11.47	527533	14.14	530792	15.72
11 RT-3860	702186	11.49	436098	14.16	447251	15.75
12 RT-3860MS	729263	11.52	421690	14.19	474304	15.79
13 RT-3860MSD	725858	11.54	419045	14.21	454211	15.83
14 WC-1	747964	11.55	453693	14.22	401580	15.87

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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF031324 SAS No.: BF031324 SDG NO.: BF031324

EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 13 2024 12:00AM

Lab File ID: BF137571.D Time Analyzed: 09:57

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	775721	11.427	454469	14.098	415043	15.651
UPPER LIMIT	1551442	11.927	908938	14.598	830086	16.151
LOWER LIMIT	387860.5	10.927	227234.5	13.598	207521.5	15.151
EPA SAMPLE NO.						
01 PB159549BL	911507	11.43	634047	14.09	494474	15.65
02 PB159549BS	872067	11.43	503230	14.10	435106	15.65
03 RT-3860	846299	11.43	533934	14.10	522993	15.65
04 RT-3860MS	760348	11.44	439262	14.10	507303	15.66
05 RT-3860MSD	742236	11.44	430728	14.10	499010	15.66
06 WC-1	811883	11.43	494184	14.10	500555	15.66
07 WC-1MS	740051	11.44	418854	14.11	479650	15.66
08 WC-1MSD	692186	11.44	395934	14.11	455740	15.67
09 WC-2	751155	11.45	473239	14.10	483794	15.67
10 WC-3	799454	11.47	527533	14.14	530792	15.72
11 RT-3860	702186	11.49	436098	14.16	447251	15.75
12 RT-3860MS	729263	11.52	421690	14.19	474304	15.79
13 RT-3860MSD	725858	11.54	419045	14.21	454211	15.83
14 WC-1	747964	11.55	453693	14.22	401580	15.87

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.: BF031324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159549BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103		
	Pyridine	1700	1100	ug/Kg	65				28	98		
	Benzaldehyde	1700	950	ug/Kg	56				10	147		
	Aniline	1700	720	ug/Kg	42				38	100		
	Phenol	1700	1400	ug/Kg	82				62	112		
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101		
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112		
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102		
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99		
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100		
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1400	ug/Kg	82				51	100		
	Acetophenone	1700	1500	ug/Kg	88				55	104		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95		
	Hexachloroethane	1700	1600	ug/Kg	94				72	108		
	Nitrobenzene	1700	1400	ug/Kg	82				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111		
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				67	119		
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105		
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107		
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110		
	Benzoic acid	1700	1600	ug/Kg	94				10	140		
	Naphthalene	1700	1400	ug/Kg	82				62	100		
	4-Chloroaniline	1700	540	ug/Kg	32				16	100		
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98		
	Caprolactam	1700	1600	ug/Kg	94				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3000	ug/Kg	91				45	134		
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102		
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98		
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103		
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99		
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101		
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99		
	Acenaphthylene	1700	1500	ug/Kg	88				63	101		
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104		
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100		
	Acenaphthene	1700	1400	ug/Kg	82				57	104		
	Total PAH	27200	23700	ug/Kg	87				57	104		
	2,4-Dinitrophenol	3300	3300	ug/Kg	100				37	128		
	4-Nitrophenol	3300	3100	ug/Kg	94				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159549BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3200	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	4-Nitroaniline	1700	1600	ug/Kg	94				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	1400	ug/Kg	82				67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1400	ug/Kg	82				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Benzidine	3300	370	ug/Kg	11				10	98	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	2000	ug/Kg	118		*		55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	2000	ug/Kg	118		*		63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159549BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF031324SAS No.: BF031324 SDG NO.: BF031324Lab File ID: BF137572.DLab Sample ID: PB159549BLInstrument ID: BNA_FDate Extracted: 03/12/2024Matrix: (soil/water) SolidDate Analyzed: 03/13/2024Level: (low/med) LOWTime Analyzed: 09:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159549BS	PB159549BS	BF137573.D	03/13/2024
RT-3860	P1725-01	BF137574.D	03/13/2024
RT-3860MS	P1725-01MS	BF137575.D	03/13/2024
RT-3860MSD	P1725-01MSD	BF137576.D	03/13/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

WC-1

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF031324SAS No.: BF031324 SDG NO.: BF031324Lab File ID: BF137577.DLab Sample ID: P1733-01Instrument ID: BNA_FDate Extracted: 03/13/2024Matrix: (soil/water) SolidDate Analyzed: 03/13/2024Level: (low/med) LOWTime Analyzed: 15:18

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WC-1	P1733-01	BF137577.D	03/13/2024
WC-1MS	P1733-01MS	BF137578.D	03/13/2024
WC-1MSD	P1733-01MSD	BF137579.D	03/13/2024
WC-2	P1733-05	BF137580.D	03/13/2024
WC-3	P1733-09	BF137581.D	03/13/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RT-3860

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF031324SAS No.: BF031324 SDG NO.: BF031324Lab File ID: BF137582.DLab Sample ID: P1725-02Instrument ID: BNA_FDate Extracted: 03/13/2024Matrix: (soil/water) waterDate Analyzed: 03/13/2024Level: (low/med) LOWTime Analyzed: 17:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RT-3860	P1725-02	BF137582.D	03/13/2024
RT-3860MS	P1725-02MS	BF137583.D	03/13/2024
RT-3860MSD	P1725-02MSD	BF137584.D	03/13/2024
WC-1	P1733-04	BF137585.D	03/13/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Lab Sample ID:	P1725-01MS	Client Sample ID:	RT-3860MS					DataFile:	BF137575.D		
n-Nitrosodimethylamine	1200		1100	ug/Kg	92				66	124	
Pyridine	1200		920	ug/Kg	77				45	119	
Benzaldehyde	1200		610	ug/Kg	51				26	163	
Aniline	1200		540	ug/Kg	45				10	88	
Phenol	1200		1000	ug/Kg	83				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		1100	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1200		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		1200	ug/Kg	100				47	126	
2-Methylphenol	1200		970	ug/Kg	81				66	122	
2,2-oxybis(1-Chloropropane)	1200		950	ug/Kg	79				52	115	
Acetophenone	1200		1100	ug/Kg	92				75	111	
3+4-Methylphenols	1200		970	ug/Kg	81				53	132	
N-Nitroso-di-n-propylamine	1200		960	ug/Kg	80				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1000	ug/Kg	83				70	119	
Isophorone	1200		1100	ug/Kg	92				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		890	ug/Kg	74	*			83	144	
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		1100	ug/Kg	92				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		150	ug/Kg	13				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		1200	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400		2100	ug/Kg	88				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
1,1-Biphenyl	1200		1000	ug/Kg	83				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		520	ug/Kg	43				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200	0	16690	ug/Kg	87				70	121	
2,4-Dinitrophenol	2400		2200	ug/Kg	92				16	160	
4-Nitrophenol	2400		2000	ug/Kg	83				45	133	
Dibenzofuran	1200		970	ug/Kg	81				72	110	
2,4-Dinitrotoluene	1200		1100	ug/Kg	92				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2200	ug/Kg	92				55	128	
Diethylphthalate	1200		1000	ug/Kg	83				70	112	
4-Chlorophenyl-phenylether	1200		980	ug/Kg	82				71	108	
Fluorene	1200		970	ug/Kg	81				68	116	
4-Nitroaniline	1200		1100	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1200		1300	ug/Kg	108				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1000	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1200		1200	ug/Kg	100				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1100	ug/Kg	92				79	127	
Pentachlorophenol	2400		2100	ug/Kg	88				47	128	
Phenanthrene	1200		1100	ug/Kg	92				72	113	
Anthracene	1200		1000	ug/Kg	83				62	124	
Carbazole	1200		1000	ug/Kg	83				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200	150	1100	ug/Kg	79				59	125	
Benzidine	2400		1100	ug/Kg	46				10	119	
Pyrene	1200	100	990	ug/Kg	74				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		890	ug/Kg	74				10	164	
Benzo(a)anthracene	1200	0	1100	ug/Kg	92				71	114	
Chrysene	1200	73.5	1100	ug/Kg	86				57	121	
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125				66	127	
Di-n-octyl phthalate	1200		1500	ug/Kg	125				71	126	
Benzo(b)fluoranthene	1200	99.3	1200	ug/Kg	92				67	121	
Benzo(k)fluoranthene	1200		1000	ug/Kg	83				74	114	
Benzo(a)pyrene	1200		1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200		1000	ug/Kg	83				61	125	
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83				67	130	
Benzo(g,h,i)perylene	1200		930	ug/Kg	78				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92				69	124	
1,4-Dioxane	1200		920	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	1200		1100	ug/Kg	92				56	133	
1-Methylnaphthalene	1200		1000	ug/Kg	83				70	130	
n-Nitrosodimethylamine	500		370	ug/L	74				10	130	
Pyridine	500		300	ug/L	60				10	109	
Benzaldehyde	500		140	ug/L	28				10	137	
Aniline	500		140	ug/L	28				10	130	
Phenol	500		330	ug/L	66				10	130	
bis(2-Chloroethyl)ether	500		390	ug/L	78				29	141	
2-Chlorophenol	500		400	ug/L	80				23	127	
1,2-Dichlorobenzene	500		400	ug/L	80				61	114	
1,3-Dichlorobenzene	500		390	ug/L	78				65	106	
1,4-Dichlorobenzene	500		390	ug/L	78				55	125	
Benzyl Alcohol	500		430	ug/L	86				31	94	
2-Methylphenol	500		350	ug/L	70				23	132	
2,2-oxybis(1-Chloropropane)	500		350	ug/L	70				36	141	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Acetophenone	500		390	ug/L	78				31	164	
3+4-Methylphenols	500		360	ug/L	72				17	136	
N-Nitroso-di-n-propylamine	500		360	ug/L	72				36	147	
Hexachloroethane	500		400	ug/L	80				35	137	
Nitrobenzene	500		370	ug/L	74				40	134	
Isophorone	500		380	ug/L	76				39	146	
2-Nitrophenol	500		410	ug/L	82				30	148	
2,4-Dimethylphenol	500		310	ug/L	62				17	143	
bis(2-Chloroethoxy)methane	500		390	ug/L	78				39	143	
2,4-Dichlorophenol	500		400	ug/L	80				22	146	
1,2,4-Trichlorobenzene	500		390	ug/L	78				66	110	
Benzoic acid	500		160	ug/L	32				10	101	
Naphthalene	500		380	ug/L	76				17	157	
4-Chloroaniline	500		39.8	ug/L	8	*			10	95	
Hexachlorobutadiene	500		380	ug/L	76				52	125	
Caprolactam	500		380	ug/L	76				10	130	
4-Chloro-3-methylphenol	500		410	ug/L	82				17	148	
2-Methylnaphthalene	500		370	ug/L	74				38	146	
Hexachlorocyclopentadiene	1000		680	ug/L	68				20	153	
2,4,6-Trichlorophenol	500		430	ug/L	86				46	139	
2,4,5-Trichlorophenol	500		390	ug/L	78				42	129	
1,1-Biphenyl	500		400	ug/L	80				38	154	
2-Chloronaphthalene	500		410	ug/L	82				41	145	
2-Nitroaniline	500		440	ug/L	88				39	151	
Dimethylphthalate	500		420	ug/L	84				42	147	
Acenaphthylene	500		400	ug/L	80				40	141	
2,6-Dinitrotoluene	500		440	ug/L	88				43	148	
3-Nitroaniline	500		210	ug/L	42				10	111	
Acenaphthene	500		380	ug/L	76				37	146	
Total PAH	8000		6450	ug/L	81				37	146	
2,4-Dinitrophenol	1000		360	ug/L	36				14	167	
4-Nitrophenol	1000		710	ug/L	71				10	130	
Dibenzofuran	500		390	ug/L	78				41	145	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		880	ug/L	88				40	151	
2,4-Dinitrotoluene	500		440	ug/L	88				40	151	
Diethylphthalate	500		420	ug/L	84				41	148	
4-Chlorophenyl-phenylether	500		390	ug/L	78				38	149	
Fluorene	500		380	ug/L	76				39	144	
4-Nitroaniline	500		400	ug/L	80				27	138	
4,6-Dinitro-2-methylphenol	500		270	ug/L	54				32	175	
N-Nitrosodiphenylamine	500		430	ug/L	86				40	150	
Azobenzene	500		400	ug/L	80				72	112	
4-Bromophenyl-phenylether	500		460	ug/L	92				42	151	
Hexachlorobenzene	500		480	ug/L	96				60	129	
Atrazine	500		480	ug/L	96				20	162	
Pentachlorophenol	1000		670	ug/L	67				15	137	
Phenanthrene	500		410	ug/L	82				40	147	
Anthracene	500		420	ug/L	84				41	146	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Carbazole	500		420	ug/L	84				37	154	
Di-n-butylphthalate	500		450	ug/L	90				40	151	
Fluoranthene	500		390	ug/L	78				42	146	
Benzdine	1000		390	ug/L	39				10	130	
Pyrene	500		370	ug/L	74				41	149	
Butylbenzylphthalate	500		580	ug/L	116				39	155	
3,3-Dichlorobenzidine	500		290	ug/L	58				10	114	
Benzo(a)anthracene	500		430	ug/L	86				41	147	
Chrysene	500		440	ug/L	88				44	144	
bis(2-Ethylhexyl)phthalate	500		610	ug/L	122				33	160	
Di-n-octyl phthalate	500		590	ug/L	118				36	158	
Benzo(b)fluoranthene	500		460	ug/L	92				40	150	
Benzo(k)fluoranthene	500		430	ug/L	86				40	147	
Benzo(a)pyrene	500		440	ug/L	88				42	147	
Indeno(1,2,3-cd)pyrene	500		390	ug/L	78				30	166	
Dibenz(a,h)anthracene	500		390	ug/L	78				23	172	
Benzo(g,h,i)perylene	500		340	ug/L	68				27	167	
1,2,4,5-Tetrachlorobenzene	500		400	ug/L	80	*			89	102	
1,4-Dioxane	500		320	ug/L	64				38	130	
2,3,4,6-Tetrachlorophenol	500		420	ug/L	84	*			91	111	
1-Methylnaphthalene	500		370	ug/L	74				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1725-01MSD	Client Sample ID:	RT-3860MSD					DataFile:	BF137576.D		
n-Nitrosodimethylamine	1200		920	ug/Kg	77		18		66	124	20
Pyridine	1200		810	ug/Kg	68		12		45	119	20
Benzaldehyde	1200		540	ug/Kg	45		13		26	163	20
Aniline	1200		530	ug/Kg	44		2		10	88	20
Phenol	1200		940	ug/Kg	78		6		67	126	20
bis(2-Chloroethyl)ether	1200		930	ug/Kg	78		16		74	116	20
2-Chlorophenol	1200		1000	ug/Kg	83		10		61	138	20
1,2-Dichlorobenzene	1200		1000	ug/Kg	83		10		61	105	20
1,3-Dichlorobenzene	1200		970	ug/Kg	81		13		62	101	20
1,4-Dichlorobenzene	1200		970	ug/Kg	81		13		63	104	20
Benzyl Alcohol	1200		1100	ug/Kg	92		8		47	126	20
2-Methylphenol	1200		880	ug/Kg	73		10		66	122	20
2,2-oxybis(1-Chloropropane)	1200		880	ug/Kg	73		8		52	115	20
Acetophenone	1200		940	ug/Kg	78		16		75	111	20
3+4-Methylphenols	1200		890	ug/Kg	74		9		53	132	20
N-Nitroso-di-n-propylamine	1200		890	ug/Kg	74		8		59	119	20
Hexachloroethane	1200		1000	ug/Kg	83		10		65	117	20
Nitrobenzene	1200		940	ug/Kg	78		6		70	119	20
Isophorone	1200		930	ug/Kg	78		16		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		8		54	145	20
2,4-Dimethylphenol	1200		790	ug/Kg	66	*	11		83	144	20
bis(2-Chloroethoxy)methane	1200		960	ug/Kg	80		14		68	112	20
2,4-Dichlorophenol	1200		990	ug/Kg	83		10		72	118	20
1,2,4-Trichlorobenzene	1200		970	ug/Kg	81		13		57	103	20
Benzoic acid	1200		950	ug/Kg	79		15		50	104	20
Naphthalene	1200		920	ug/Kg	77		8		72	110	20
4-Chloroaniline	1200		180	ug/Kg	15		14		10	100	20
Hexachlorobutadiene	1200		960	ug/Kg	80		14		66	114	20
Caprolactam	1200		1000	ug/Kg	83		19		51	134	20
4-Chloro-3-methylphenol	1200		990	ug/Kg	83		10		57	132	20
2-Methylnaphthalene	1200		910	ug/Kg	76		9		59	123	20
Hexachlorocyclopentadiene	2400		1800	ug/Kg	75		16		10	175	20
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83		10		72	117	20
2,4,5-Trichlorophenol	1200		910	ug/Kg	76		19		72	117	20
1,1-Biphenyl	1200		960	ug/Kg	80		4		75	113	20
2-Chloronaphthalene	1200		970	ug/Kg	81		13		67	118	20
2-Nitroaniline	1200		1000	ug/Kg	83		10		69	127	20
Dimethylphthalate	1200		950	ug/Kg	79		15		70	113	20
Acenaphthylene	1200		970	ug/Kg	81		13		79	118	20
2,6-Dinitrotoluene	1200		1000	ug/Kg	83		10		70	125	20
3-Nitroaniline	1200		500	ug/Kg	42		2		20	111	20
Acenaphthene	1200		910	ug/Kg	76		9		70	121	20
Total PAH	19200	0	15080	ug/Kg	79		10		70	121	20
2,4-Dinitrophenol	2400		1900	ug/Kg	79		15		16	160	20
4-Nitrophenol	2400		1800	ug/Kg	75		10		45	133	20
Dibenzofuran	1200		900	ug/Kg	75		8		72	110	20
2,4-Dinitrotoluene	1200		1000	ug/Kg	83		10		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2000	ug/Kg	83		10		55	128	20
Diethylphthalate	1200		950	ug/Kg	79		5		70	112	20
4-Chlorophenyl-phenylether	1200		900	ug/Kg	75		9		71	108	20
Fluorene	1200		880	ug/Kg	73		10		68	116	20
4-Nitroaniline	1200		910	ug/Kg	76		19		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		16		32	145	20
N-Nitrosodiphenylamine	1200		1000	ug/Kg	83		10		73	118	20
Azobenzene	1200		910	ug/Kg	76		9		73	110	20
4-Bromophenyl-phenylether	1200		1000	ug/Kg	83		19		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		8		67	118	20
Atrazine	1200		1000	ug/Kg	83		10		79	127	20
Pentachlorophenol	2400		1900	ug/Kg	79		11		47	128	20
Phenanthrene	1200		980	ug/Kg	82		11		72	113	20
Anthracene	1200		930	ug/Kg	78		6		62	124	20
Carbazole	1200		930	ug/Kg	78		6		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		10		69	118	20
Fluoranthene	1200	150	960	ug/Kg	68		15		59	125	20
Benzidine	2400		1100	ug/Kg	46		0		10	119	20
Pyrene	1200	100	900	ug/Kg	67		10		52	128	20
Butylbenzylphthalate	1200		1300	ug/Kg	108		8		64	126	20
3,3-Dichlorobenzidine	1200		910	ug/Kg	76		3		10	164	20
Benzo(a)anthracene	1200	0	1000	ug/Kg	83		10		71	114	20
Chrysene	1200	73.5	1000	ug/Kg	77		11		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1300	ug/Kg	108		15		66	127	20
Di-n-octyl phthalate	1200		1300	ug/Kg	108		15		71	126	20
Benzo(b)fluoranthene	1200	99.3	1100	ug/Kg	83		10		67	121	20
Benzo(k)fluoranthene	1200		940	ug/Kg	78		6		74	114	20
Benzo(a)pyrene	1200		1000	ug/Kg	83		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200		910	ug/Kg	76		9		61	125	20
Dibenz(a,h)anthracene	1200		870	ug/Kg	73		13		67	130	20
Benzo(g,h,i)perylene	1200		810	ug/Kg	68		14		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		970	ug/Kg	81		13		69	124	20
1,4-Dioxane	1200		800	ug/Kg	67		14		46	112	20
2,3,4,6-Tetrachlorophenol	1200		950	ug/Kg	79		15		56	133	20
1-Methylnaphthalene	1200		890	ug/Kg	74		11		70	130	20
n-Nitrosodimethylamine	500		400	ug/L	80		8		10	130	20
Pyridine	500		320	ug/L	64		6		10	109	20
Benzaldehyde	500		140	ug/L	28		0		10	137	20
Aniline	500		150	ug/L	30		7		10	130	20
Phenol	500		340	ug/L	68		3		10	130	20
bis(2-Chloroethyl)ether	500		400	ug/L	80		3		29	141	20
2-Chlorophenol	500		410	ug/L	82		2		23	127	20
1,2-Dichlorobenzene	500		410	ug/L	82		2		61	114	20
1,3-Dichlorobenzene	500		400	ug/L	80		3		65	106	20
1,4-Dichlorobenzene	500		390	ug/L	78		0		55	125	20
Benzyl Alcohol	500		440	ug/L	88		2		31	94	20
2-Methylphenol	500		350	ug/L	70		0		23	132	20
2,2-oxybis(1-Chloropropane)	500		350	ug/L	70		0		36	141	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Acetophenone	500		400	ug/L	80		3		31	164	20
3+4-Methylphenols	500		370	ug/L	74		3		17	136	20
N-Nitroso-di-n-propylamine	500		370	ug/L	74		3		36	147	20
Hexachloroethane	500		400	ug/L	80		0		35	137	20
Nitrobenzene	500		380	ug/L	76		3		40	134	20
Isophorone	500		390	ug/L	78		3		39	146	20
2-Nitrophenol	500		440	ug/L	88		7		30	148	20
2,4-Dimethylphenol	500		330	ug/L	66		6		17	143	20
bis(2-Chloroethoxy)methane	500		400	ug/L	80		3		39	143	20
2,4-Dichlorophenol	500		420	ug/L	84		5		22	146	20
1,2,4-Trichlorobenzene	500		410	ug/L	82		5		66	110	20
Benzoic acid	500		140	ug/L	28		13		10	101	20
Naphthalene	500		390	ug/L	78		3		17	157	20
4-Chloroaniline	500		38.5	ug/L	8	*	0		10	95	20
Hexachlorobutadiene	500		400	ug/L	80		5		52	125	20
Caprolactam	500		380	ug/L	76		0		10	130	20
4-Chloro-3-methylphenol	500		420	ug/L	84		2		17	148	20
2-Methylnaphthalene	500		390	ug/L	78		5		38	146	20
Hexachlorocyclopentadiene	1000		680	ug/L	68		0		20	153	20
2,4,6-Trichlorophenol	500		440	ug/L	88		2		46	139	20
2,4,5-Trichlorophenol	500		410	ug/L	82		5		42	129	20
1,1-Biphenyl	500		410	ug/L	82		2		38	154	20
2-Chloronaphthalene	500		420	ug/L	84		2		41	145	20
2-Nitroaniline	500		450	ug/L	90		2		39	151	20
Dimethylphthalate	500		440	ug/L	88		5		42	147	20
Acenaphthylene	500		420	ug/L	84		5		40	141	20
2,6-Dinitrotoluene	500		460	ug/L	92		4		43	148	20
3-Nitroaniline	500		220	ug/L	44		5		10	111	20
Acenaphthene	500		400	ug/L	80		5		37	146	20
Total PAH	8000		6760	ug/L	85		5		37	146	20
2,4-Dinitrophenol	1000		310	ug/L	31		15		14	167	20
4-Nitrophenol	1000		720	ug/L	72		1		10	130	20
Dibenzofuran	500		400	ug/L	80		3		41	145	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		910	ug/L	91		3		40	151	20
2,4-Dinitrotoluene	500		450	ug/L	90		2		40	151	20
Diethylphthalate	500		430	ug/L	86		2		41	148	20
4-Chlorophenyl-phenylether	500		400	ug/L	80		3		38	149	20
Fluorene	500		400	ug/L	80		5		39	144	20
4-Nitroaniline	500		430	ug/L	86		7		27	138	20
4,6-Dinitro-2-methylphenol	500		250	ug/L	50		8		32	175	20
N-Nitrosodiphenylamine	500		460	ug/L	92		7		40	150	20
Azobenzene	500		420	ug/L	84		5		72	112	20
4-Bromophenyl-phenylether	500		470	ug/L	94		2		42	151	20
Hexachlorobenzene	500		500	ug/L	100		4		60	129	20
Atrazine	500		490	ug/L	98		2		20	162	20
Pentachlorophenol	1000		680	ug/L	68		1		15	137	20
Phenanthrene	500		430	ug/L	86		5		40	147	20
Anthracene	500		430	ug/L	86		2		41	146	20



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Carbazole	500		440	ug/L	88		5		37	154	20
Di-n-butylphthalate	500		460	ug/L	92		2		40	151	20
Fluoranthene	500		410	ug/L	82		5		42	146	20
Benzidine	1000		410	ug/L	41		5		10	130	20
Pyrene	500		400	ug/L	80		8		41	149	20
Butylbenzylphthalate	500		620	ug/L	124		7		39	155	20
3,3-Dichlorobenzidine	500		300	ug/L	60		3		10	114	20
Benzo(a)anthracene	500		440	ug/L	88		2		41	147	20
Chrysene	500		460	ug/L	92		4		44	144	20
bis(2-Ethylhexyl)phthalate	500		630	ug/L	126		3		33	160	20
Di-n-octyl phthalate	500		620	ug/L	124		5		36	158	20
Benzo(b)fluoranthene	500		480	ug/L	96		4		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		9		40	147	20
Benzo(a)pyrene	500		460	ug/L	92		4		42	147	20
Indeno(1,2,3-cd)pyrene	500		410	ug/L	82		5		30	166	20
Dibenz(a,h)anthracene	500		410	ug/L	82		5		23	172	20
Benzo(g,h,i)perylene	500		350	ug/L	70		3		27	167	20
1,2,4,5-Tetrachlorobenzene	500		430	ug/L	86	*	7		89	102	20
1,4-Dioxane	500		330	ug/L	66		3		38	130	20
2,3,4,6-Tetrachlorophenol	500		430	ug/L	86	*	2		91	111	20
1-Methylnaphthalene	500		380	ug/L	76		3		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1733-01MS	Client Sample ID:	WC-1MS					DataFile:	BF137578.D		
n-Nitrosodimethylamine	1200		1000	ug/Kg	83				66	124	
Pyridine	1200		930	ug/Kg	78				45	119	
Benzaldehyde	1200		550	ug/Kg	46				26	163	
Aniline	1200		580	ug/Kg	48				10	88	
Phenol	1200		1000	ug/Kg	83				67	126	
bis(2-Chloroethyl)ether	1200		1100	ug/Kg	92				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		1100	ug/Kg	92				61	105	
1,3-Dichlorobenzene	1200		1100	ug/Kg	92				62	101	
1,4-Dichlorobenzene	1200		1100	ug/Kg	92				63	104	
Benzyl Alcohol	1200		1200	ug/Kg	100				47	126	
2-Methylphenol	1200		980	ug/Kg	82				66	122	
2,2-oxybis(1-Chloropropane)	1200		970	ug/Kg	81				52	115	
Acetophenone	1200		1000	ug/Kg	83				75	111	
3+4-Methylphenols	1200		1000	ug/Kg	83				53	132	
N-Nitroso-di-n-propylamine	1200		980	ug/Kg	82				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		1000	ug/Kg	83				70	119	
Isophorone	1200		1000	ug/Kg	83				76	122	
2-Nitrophenol	1200		1200	ug/Kg	100				54	145	
2,4-Dimethylphenol	1200		880	ug/Kg	73	*			83	144	
bis(2-Chloroethoxy)methane	1200		1100	ug/Kg	92				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1100	ug/Kg	92				57	103	
Benzoic acid	1200		1100	ug/Kg	92				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		200	ug/Kg	17				10	100	
Hexachlorobutadiene	1200		1100	ug/Kg	92				66	114	
Caprolactam	1200		1200	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1200		1100	ug/Kg	92				57	132	
2-Methylnaphthalene	1200		1000	ug/Kg	83				59	123	
Hexachlorocyclopentadiene	2400		1900	ug/Kg	79				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83				72	117	
1,1-Biphenyl	1200		1000	ug/Kg	83				75	113	
2-Chloronaphthalene	1200		1000	ug/Kg	83				67	118	
2-Nitroaniline	1200		1100	ug/Kg	92				69	127	
Dimethylphthalate	1200		1100	ug/Kg	92				70	113	
Acenaphthylene	1200		1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1200		1100	ug/Kg	92				70	125	
3-Nitroaniline	1200		590	ug/Kg	49				20	111	
Acenaphthene	1200		980	ug/Kg	82				70	121	
Total PAH	19200		16250	ug/Kg	85				70	121	
2,4-Dinitrophenol	2400		2000	ug/Kg	83				16	160	
4-Nitrophenol	2400		2100	ug/Kg	88				45	133	
Dibenzofuran	1200		980	ug/Kg	82				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2200	ug/Kg	92				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene	1200		1100	ug/Kg	92				55	128	
Diethylphthalate	1200		1000	ug/Kg	83				70	112	
4-Chlorophenyl-phenylether	1200		970	ug/Kg	81				71	108	
Fluorene	1200		960	ug/Kg	80				68	116	
4-Nitroaniline	1200		1100	ug/Kg	92				55	120	
4,6-Dinitro-2-methylphenol	1200		1200	ug/Kg	100				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1000	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1200	ug/Kg	100				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400		2000	ug/Kg	83				47	128	
Phenanthrene	1200		1000	ug/Kg	83				72	113	
Anthracene	1200		1000	ug/Kg	83				62	124	
Carbazole	1200		1000	ug/Kg	83				59	119	
Di-n-butylphthalate	1200		1100	ug/Kg	92				69	118	
Fluoranthene	1200		970	ug/Kg	81				59	125	
Benzidine	2400		1400	ug/Kg	58				10	119	
Pyrene	1200		950	ug/Kg	79				52	128	
Butylbenzylphthalate	1200		1400	ug/Kg	117				64	126	
3,3-Dichlorobenzidine	1200		1100	ug/Kg	92				10	164	
Benzo(a)anthracene	1200		1100	ug/Kg	92				71	114	
Chrysene	1200		1100	ug/Kg	92				57	121	
bis(2-Ethylhexyl)phthalate	1200		1600	ug/Kg	133	*			66	127	
Di-n-octyl phthalate	1200		1500	ug/Kg	125				71	126	
Benzo(b)fluoranthene	1200		1200	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1200		990	ug/Kg	83				74	114	
Benzo(a)pyrene	1200		1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200		970	ug/Kg	81				61	125	
Dibenz(a,h)anthracene	1200		970	ug/Kg	81				67	130	
Benzo(g,h,i)perylene	1200		860	ug/Kg	72				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1100	ug/Kg	92				69	124	
1,4-Dioxane	1200		920	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83				56	133	
1-Methylnaphthalene	1200		980	ug/Kg	82				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P1733-01MSD	Client Sample ID:	WC-1MSD					DataFile:	BF137579.D		
n-Nitrosodimethylamine	1200		970	ug/Kg	81		2		66	124	20
Pyridine	1200		860	ug/Kg	72		8		45	119	20
Benzaldehyde	1200		510	ug/Kg	43		7		26	163	20
Aniline	1200		570	ug/Kg	48		0		10	88	20
Phenol	1200		990	ug/Kg	83		0		67	126	20
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83		10		74	116	20
2-Chlorophenol	1200		1000	ug/Kg	83		10		61	138	20
1,2-Dichlorobenzene	1200		1100	ug/Kg	92		0		61	105	20
1,3-Dichlorobenzene	1200		1000	ug/Kg	83		10		62	101	20
1,4-Dichlorobenzene	1200		1000	ug/Kg	83		10		63	104	20
Benzyl Alcohol	1200		1100	ug/Kg	92		8		47	126	20
2-Methylphenol	1200		910	ug/Kg	76		8		66	122	20
2,2-oxybis(1-Chloropropane)	1200		920	ug/Kg	77		5		52	115	20
Acetophenone	1200		970	ug/Kg	81		2		75	111	20
3+4-Methylphenols	1200		940	ug/Kg	78		6		53	132	20
N-Nitroso-di-n-propylamine	1200		920	ug/Kg	77		6		59	119	20
Hexachloroethane	1200		1100	ug/Kg	92		0		65	117	20
Nitrobenzene	1200		960	ug/Kg	80		4		70	119	20
Isophorone	1200		960	ug/Kg	80		4		76	122	20
2-Nitrophenol	1200		1100	ug/Kg	92		8		54	145	20
2,4-Dimethylphenol	1200		810	ug/Kg	68	*	7		83	144	20
bis(2-Chloroethoxy)methane	1200		990	ug/Kg	83		10		68	112	20
2,4-Dichlorophenol	1200		1000	ug/Kg	83		10		72	118	20
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83		10		57	103	20
Benzoic acid	1200		970	ug/Kg	81		13		50	104	20
Naphthalene	1200		960	ug/Kg	80		4		72	110	20
4-Chloroaniline	1200		210	ug/Kg	18		6		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		10		66	114	20
Caprolactam	1200		1000	ug/Kg	83		19		51	134	20
4-Chloro-3-methylphenol	1200		1000	ug/Kg	83		10		57	132	20
2-Methylnaphthalene	1200		950	ug/Kg	79		5		59	123	20
Hexachlorocyclopentadiene	2400		1800	ug/Kg	75		5		10	175	20
2,4,6-Trichlorophenol	1200		1000	ug/Kg	83		10		72	117	20
2,4,5-Trichlorophenol	1200		970	ug/Kg	81		2		72	117	20
1,1-Biphenyl	1200		980	ug/Kg	82		1		75	113	20
2-Chloronaphthalene	1200		970	ug/Kg	81		2		67	118	20
2-Nitroaniline	1200		1000	ug/Kg	83		10		69	127	20
Dimethylphthalate	1200		990	ug/Kg	83		10		70	113	20
Acenaphthylene	1200		1000	ug/Kg	83		10		79	118	20
2,6-Dinitrotoluene	1200		1000	ug/Kg	83		10		70	125	20
3-Nitroaniline	1200		560	ug/Kg	47		4		20	111	20
Acenaphthene	1200		940	ug/Kg	78		5		70	121	20
Total PAH	19200		15120	ug/Kg	79		7		70	121	20
2,4-Dinitrophenol	2400		1800	ug/Kg	75		10		16	160	20
4-Nitrophenol	2400		1900	ug/Kg	79		11		45	133	20
Dibenzofuran	1200		930	ug/Kg	78		5		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		2000	ug/Kg	83		10		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF031324

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
2,4-Dinitrotoluene	1200		1000	ug/Kg	83		10		55	128	20
Diethylphthalate	1200		980	ug/Kg	82		1		70	112	20
4-Chlorophenyl-phenylether	1200		930	ug/Kg	78		4		71	108	20
Fluorene	1200		900	ug/Kg	75		6		68	116	20
4-Nitroaniline	1200		940	ug/Kg	78		16		55	120	20
4,6-Dinitro-2-methylphenol	1200		1100	ug/Kg	92		8		32	145	20
N-Nitrosodiphenylamine	1200		1000	ug/Kg	83		10		73	118	20
Azobenzene	1200		930	ug/Kg	78		6		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		0		65	121	20
Hexachlorobenzene	1200		1100	ug/Kg	92		8		67	118	20
Atrazine	1200		1100	ug/Kg	92		8		79	127	20
Pentachlorophenol	2400		1900	ug/Kg	79		5		47	128	20
Phenanthrene	1200		960	ug/Kg	80		4		72	113	20
Anthracene	1200		960	ug/Kg	80		4		62	124	20
Carbazole	1200		950	ug/Kg	79		5		59	119	20
Di-n-butylphthalate	1200		1000	ug/Kg	83		10		69	118	20
Fluoranthene	1200		910	ug/Kg	76		6		59	125	20
Benzidine	2400		1200	ug/Kg	50		15		10	119	20
Pyrene	1200		880	ug/Kg	73		8		52	128	20
Butylbenzylphthalate	1200		1300	ug/Kg	108		8		64	126	20
3,3-Dichlorobenzidine	1200		1100	ug/Kg	92		0		10	164	20
Benzo(a)anthracene	1200		1000	ug/Kg	83		10		71	114	20
Chrysene	1200		1000	ug/Kg	83		10		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1500	ug/Kg	125		6		66	127	20
Di-n-octyl phthalate	1200		1400	ug/Kg	117		7		71	126	20
Benzo(b)fluoranthene	1200		1100	ug/Kg	92		8		67	121	20
Benzo(k)fluoranthene	1200		940	ug/Kg	78		6		74	114	20
Benzo(a)pyrene	1200		1000	ug/Kg	83		10		70	142	20
Indeno(1,2,3-cd)pyrene	1200		890	ug/Kg	74		9		61	125	20
Dibenz(a,h)anthracene	1200		890	ug/Kg	74		9		67	130	20
Benzo(g,h,i)perylene	1200		790	ug/Kg	66		9		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1000	ug/Kg	83		10		69	124	20
1,4-Dioxane	1200		870	ug/Kg	73		5		46	112	20
2,3,4,6-Tetrachlorophenol	1200		980	ug/Kg	82		1		56	133	20
1-Methylnaphthalene	1200		930	ug/Kg	78		5		70	130	20



Surrogate Summary

SW-846

SDG No.: BF031324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1725-01	RT-3860	BF137574.D	2-Fluorophenol	150	88.91	59		18	112
			Phenol-d6	150	85.44	57		15	107
			Nitrobenzene-d5	100	60.57	61		18	107
			2-Fluorobiphenyl	100	57.28	57		20	109
			2,4,6-Tribromophenol	150	100.91	67		10	110
			Terphenyl-d14	100	48.02	48		14	112
P1725-01MS	RT-3860MS	BF137575.D	2-Fluorophenol	150	94.79	63		18	112
			Phenol-d6	150	91.59	61		15	107
			Nitrobenzene-d5	100	64.70	65		18	107
			2-Fluorobiphenyl	100	61.76	62		20	109
			2,4,6-Tribromophenol	150	102.40	68		10	110
			Terphenyl-d14	100	54.00	54		14	112
P1725-01MSD	RT-3860MSD	BF137576.D	2-Fluorophenol	150	87.59	58		18	112
			Phenol-d6	150	83.89	56		15	107
			Nitrobenzene-d5	100	58.09	58		18	107
			2-Fluorobiphenyl	100	55.83	56		20	109
			2,4,6-Tribromophenol	150	90.87	61		10	110
			Terphenyl-d14	100	49.62	50		14	112
PB159549BL	PB159549BL	BF137572.D	2-Fluorophenol	150	113.74	76		18	112
			Phenol-d6	150	104.92	70		15	107
			Nitrobenzene-d5	100	76.86	77		18	107
			2-Fluorobiphenyl	100	76.84	77		20	109
			2,4,6-Tribromophenol	150	128.03	85		10	110
			Terphenyl-d14	100	65.16	65		14	112
PB159549BS	PB159549BS	BF137573.D	2-Fluorophenol	150	125.60	84		18	112
			Phenol-d6	150	117.66	78		15	107
			Nitrobenzene-d5	100	84.80	85		18	107
			2-Fluorobiphenyl	100	81.79	82		20	109
			2,4,6-Tribromophenol	150	148.87	99		10	110
			Terphenyl-d14	100	80.43	80		14	112



Surrogate Summary

SW-846

SDG No.: BF031324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1733-01	WC-1	BF137577.D	2-Fluorophenol	150	115.31	77		18	112
			Phenol-d6	150	109.06	73		15	107
			Nitrobenzene-d5	100	77.08	77		18	107
			2-Fluorobiphenyl	100	72.34	72		20	109
			2,4,6-Tribromophenol	150	122.76	82		10	110
			Terphenyl-d14	100	66.06	66		14	112
P1733-01MS	WC-1MS	BF137578.D	2-Fluorophenol	150	82.05	55		18	112
			Phenol-d6	150	79.40	53		15	107
			Nitrobenzene-d5	100	54.48	54		18	107
			2-Fluorobiphenyl	100	53.24	53		20	109
			2,4,6-Tribromophenol	150	83.90	56		10	110
			Terphenyl-d14	100	48.24	48		14	112
P1733-01MSD	WC-1MSD	BF137579.D	2-Fluorophenol	150	78.37	52		18	112
			Phenol-d6	150	74.81	50		15	107
			Nitrobenzene-d5	100	50.17	50		18	107
			2-Fluorobiphenyl	100	50.12	50		20	109
			2,4,6-Tribromophenol	150	78.58	52		10	110
			Terphenyl-d14	100	44.50	44		14	112
P1733-05	WC-2	BF137580.D	2-Fluorophenol	150	98.46	66		18	112
			Phenol-d6	150	94.34	63		15	107
			Nitrobenzene-d5	100	65.12	65		18	107
			2-Fluorobiphenyl	100	63.20	63		20	109
			2,4,6-Tribromophenol	150	105.19	70		10	110
			Terphenyl-d14	100	55.21	55		14	112
P1733-09	WC-3	BF137581.D	2-Fluorophenol	150	97.89	65		18	112
			Phenol-d6	150	94.39	63		15	107
			Nitrobenzene-d5	100	63.47	63		18	107
			2-Fluorobiphenyl	100	59.35	59		20	109
			2,4,6-Tribromophenol	150	96.86	65		10	110
			Terphenyl-d14	100	47.79	48		14	112



Surrogate Summary

SW-846

SDG No.: BF031324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1725-02	RT-3860	BF137582.D	2-Fluorophenol	150	113.93	76		10	139
			Phenol-d6	150	100.47	67		10	134
			Nitrobenzene-d5	100	82.44	82		49	133
			2-Fluorobiphenyl	100	77.29	77		52	132
			2,4,6-Tribromophenol	150	133.60	89		32	145
			Terphenyl-d14	100	72.74	73		36	145
P1725-02MS	RT-3860MS	BF137583.D	2-Fluorophenol	150	104.06	69		10	139
			Phenol-d6	150	93.44	62		10	134
			Nitrobenzene-d5	100	73.34	73		49	133
			2-Fluorobiphenyl	100	73.32	73		52	132
			2,4,6-Tribromophenol	150	126.98	85		32	145
			Terphenyl-d14	100	72.00	72		36	145
P1725-02MSD	RT-3860MSD	BF137584.D	2-Fluorophenol	150	104.84	70		10	139
			Phenol-d6	150	95.10	63		10	134
			Nitrobenzene-d5	100	76.15	76		49	133
			2-Fluorobiphenyl	100	76.16	76		52	132
			2,4,6-Tribromophenol	150	135.07	90		32	145
			Terphenyl-d14	100	75.84	76		36	145
P1733-04	WC-1	BF137585.D	2-Fluorophenol	150	117.44	78		10	139
			Phenol-d6	150	104.89	70		10	134
			Nitrobenzene-d5	100	83.61	84		49	133
			2-Fluorobiphenyl	100	79.85	80		52	132
			2,4,6-Tribromophenol	150	136.20	91		32	145
			Terphenyl-d14	100	75.16	75		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BF031324

Lab Code: CHEM

SAS No.: BF031324 SDG NO.: BF031324

Lab File ID: BF137570.D

DFTPP Injection Date: 03/13/2024

Instrument ID: BNA_F

DFTPP Injection Time: 08:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	29.1
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	28.6
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35.3
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.6
275	10.0 - 60.0% of mass 198	22.2
365	Greater than 1% of mass 198	2.8
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.7 (18.7) 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	BF137571.D	03/13/2024	09:27
PB159549BL	PB159549BL	BF137572.D	03/13/2024	09:57
PB159549BS	PB159549BS	BF137573.D	03/13/2024	10:28
RT-3860	P1725-01	BF137574.D	03/13/2024	13:42
RT-3860MS	P1725-01MS	BF137575.D	03/13/2024	14:14
RT-3860MSD	P1725-01MSD	BF137576.D	03/13/2024	14:46
WC-1	P1733-01	BF137577.D	03/13/2024	15:18
WC-1MS	P1733-01MS	BF137578.D	03/13/2024	15:49
WC-1MSD	P1733-01MSD	BF137579.D	03/13/2024	16:21
WC-2	P1733-05	BF137580.D	03/13/2024	16:54
WC-3	P1733-09	BF137581.D	03/13/2024	17:25
RT-3860	P1725-02	BF137582.D	03/13/2024	17:57
RT-3860MS	P1725-02MS	BF137583.D	03/13/2024	18:29
RT-3860MSD	P1725-02MSD	BF137584.D	03/13/2024	19:02
WC-1	P1733-04	BF137585.D	03/13/2024	19:37