

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG No.: BM032324

Instrument ID: BNA_M Calibration Date/Time: 3/22/2024 1:12:48

Lab File ID: BM044731.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.649	0.646		-0.462	
Pyridine	1.619	1.542		-4.756	
2-Fluorophenol	1.393	1.381		-0.861	
Benzaldehyde	0.939	0.872		-7.135	
Aniline	2.122	1.931		-9.001	
Phenol-d6	1.792	1.686		-5.915	
Phenol	1.790	1.657		-7.43	20.0
bis(2-Chloroethyl)ether	1.461	1.355		-7.255	
2-Chlorophenol	1.387	1.326		-4.398	
1,2-Dichlorobenzene	1.434	1.359		-5.23	
1,3-Dichlorobenzene	1.492	1.429		-4.223	
1,4-Dichlorobenzene	1.504	1.438		-4.388	20.0
Benzyl Alcohol	1.178	1.092		-7.301	
2-Methylphenol	1.221	1.140		-6.634	
2,2-oxybis(1-Chloropropane)	2.026	1.849		-8.736	
Acetophenone	0.525	0.509		-3.048	
3+4-Methylphenols	1.647	1.527		-7.286	
n-Nitroso-di-n-propylamine	1.094	0.900	0.050	-17.733	
Nitrobenzene-d5	0.415	0.419		0.964	
Hexachloroethane	0.556	0.555		-0.18	
Nitrobenzene	0.410	0.406		-0.976	
Isophorone	0.716	0.683		-4.609	
2-Nitrophenol	0.177	0.181		2.26	20.0
2,4-Dimethylphenol	0.311	0.297		-4.502	
bis(2-Chloroethoxy)methane	0.476	0.445		-6.513	
2,4-Dichlorophenol	0.297	0.295		-0.673	20.0
1,2,4-Trichlorobenzene	0.316	0.309		-2.215	
Benzoic acid	0.231	0.174		-24.675	
Naphthalene	1.098	1.051		-4.281	
4-Chloroaniline	0.460	0.435		-5.435	
Hexachlorobutadiene	0.176	0.181		2.841	20.0
Caprolactam	0.096	0.087		-9.375	
4-Chloro-3-methylphenol	0.326	0.302		-7.362	20.0
2-Methylnaphthalene	0.745	0.695		-6.711	
Hexachlorocyclopentadiene	0.323	0.333	0.050	3.096	
2,4,6-Trichlorophenol	0.383	0.392		2.35	20.0
2-Fluorobiphenyl	1.452	1.483		2.135	
2,4,5-Trichlorophenol	0.454	0.457		0.661	
1,1-Biphenyl	1.564	1.539		-1.598	
2-Chloronaphthalene	1.157	1.149		-0.691	
2-Nitroaniline	0.392	0.392		0.0	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.496	1.407		-5.949	
Acenaphthylene	1.884	1.862		-1.168	
2,6-Dinitrotoluene	0.312	0.301		-3.526	
3-Nitroaniline	0.365	0.351		-3.836	
Acenaphthene	1.139	1.111		-2.458	20.0
2,4-Dinitrophenol	0.180	0.153	0.050	-15.0	
4-Nitrophenol	0.300	0.259	0.050	-13.667	
Dibenzofuran	1.808	1.735		-4.038	
2,4-Dinitrotoluene	0.407	0.401		-1.474	
Diethylphthalate	1.514	1.419		-6.275	
4-Chlorophenyl-phenylether	0.676	0.656		-2.959	
Fluorene	1.408	1.367		-2.912	
4-Nitroaniline	0.364	0.347		-4.67	
4,6-Dinitro-2-methylphenol	0.125	0.116		-7.2	
n-Nitrosodiphenylamine	0.623	0.628		0.803	20.0
Azobenzene	1.565	1.502		-4.026	
2,4,6-Tribromophenol	0.221	0.222		0.452	
4-Bromophenyl-phenylether	0.207	0.208		0.483	
Hexachlorobenzene	0.220	0.224		1.818	
Atrazine	0.195	0.192		-1.538	
Pentachlorophenol	0.158	0.160		1.266	20.0
Phenanthrene	1.105	1.083		-1.991	
Anthracene	1.109	1.104		-0.451	
Carbazole	1.044	1.020		-2.299	
Di-n-butylphthalate	1.345	1.324		-1.561	
Fluoranthene	1.236	1.178		-4.693	20.0
Benzidine	0.517	0.454		-12.186	
Pyrene	1.466	1.432		-2.319	
Terphenyl-d14	1.143	1.171		2.45	
Butylbenzylphthalate	0.661	0.660		-0.151	
3,3-Dichlorobenzidine	0.479	0.488		1.879	
Benzo (a) anthracene	1.392	1.357		-2.514	
Chrysene	1.330	1.274		-4.211	
Bis (2-ethylhexyl) phthalate	0.995	1.016		2.111	
Di-n-octyl phthalate	1.726	1.689		-2.144	20.0
Benzo (b) fluoranthene	1.175	1.142		-2.809	
Benzo (k) fluoranthene	1.208	1.186		-1.821	
Benzo (a) pyrene	1.146	1.138		-0.698	20.0
Indeno (1,2,3-cd) pyrene	1.446	1.396		-3.458	
Dibenzo (a,h) anthracene	1.219	1.178		-3.363	
Benzo (g,h,i) perylene	1.200	1.153		-3.917	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Instrument ID: BNA_M Calibration Date/Time: 3/22/2024 1:12:48
Lab File ID: BM044731.D Init. Calib. Date(s): _____
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): _____
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.568	0.581		2.289	
1,4-Dioxane	0.586	0.570		-2.73	20.0
2,3,4,6-Tetrachlorophenol	0.353	0.337		-4.533	
1-Methylnaphthalene	0.694	0.648		-6.628	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BL	SDG No.:	BM032324
Lab Sample ID:	PB159733BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044732.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BL	SDG No.:	BM032324
Lab Sample ID:	PB159733BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044732.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BL	SDG No.:	BM032324
Lab Sample ID:	PB159733BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044732.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.386		10-139		83	SPK: -150
13127-88-3	Phenol-d6	115.278		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	83.554		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	88.631		52-132		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	132.519		32-145		88	SPK: -150
1718-51-0	Terphenyl-d14	90.549		36-145		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	234352	7.687				
1146-65-2	Naphthalene-d8	856202	10.463				
15067-26-2	Acenaphthene-d10	421248	14.327				
1517-22-2	Phenanthrene-d10	792597	17.086				
1719-03-5	Chrysene-d12	660966	21.286				
1520-96-3	Perylene-d12	772540	23.521				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BL	SDG No.:	BM032324
Lab Sample ID:	PB159733BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044732.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.3	A			4.869	
007098-22-8	Tetratetracontane	2.3	J			22.874	
000629-94-7	Heneicosane	2.9	J			23.445	
000630-01-3	Hexacosane	3.3	J			24.103	
007225-66-3	Tridecane, 7-hexyl-	3	J			24.862	

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BS	SDG No.:	BM032324
Lab Sample ID:	PB159652BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044733.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	47.8		1	8	10	ug/L
110-86-1	Pyridine	36.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	19.7		4	8	10	ug/L
62-53-3	Aniline	26.8		1.6	4	5	ug/L
108-95-2	Phenol	46		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.6		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.3		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.5		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	47.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	47.4		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.7		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.7		1.4	4	5	ug/L
98-86-2	Acetophenone	46.6		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42.7		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.7		1.5	4	5	ug/L
67-72-1	Hexachloroethane	49.5		1	4	5	ug/L
98-95-3	Nitrobenzene	45.7		1.3	4	5	ug/L
78-59-1	Isophorone	47		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	47.9		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.7		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	48		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.7		1.1	4	5	ug/L
65-85-0	Benzoic acid	38.5		5.5	8	10	ug/L
91-20-3	Naphthalene	45.1		1	4	5	ug/L
106-47-8	4-Chloroaniline	23.7		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.9		1.3	4	5	ug/L
105-60-2	Caprolactam	45		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.7		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42.8		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BS	SDG No.:	BM032324
Lab Sample ID:	PB159652BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044733.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.1		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	45.9		1	4	5	ug/L
92-52-4	1,1-Biphenyl	47.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.9		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	49		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.9		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.1		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47.2		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	32.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	47.8		0.81	4	5	ug/L
Total PAH	Total PAH	765.6		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	87.5	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	46.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.3		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	49.1		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	47.3		0.98	4	5	ug/L
86-73-7	Fluorene	47.7		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	45.2		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	46.7		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	47.6		0.89	4	5	ug/L
103-33-3	Azobenzene	46.8		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47.4		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	51		1.1	4	5	ug/L
1912-24-9	Atrazine	51.8		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	94.4	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	47.2		0.89	4	5	ug/L
120-12-7	Anthracene	47.2		1.1	4	5	ug/L
86-74-8	Carbazole	47.9		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	47.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	46.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BS	SDG No.:	BM032324
Lab Sample ID:	PB159652BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044733.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	37.6		4.1	8	10	ug/L
129-00-0	Pyrene	47.5		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	48.3		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	47.1		0.94	4	5	ug/L
218-01-9	Chrysene	45.8		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.3		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	47.8		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	52.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.7		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.3		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	49.6		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	48.6		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.9		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.7		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	38		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	92.665		60-140		93	SPK: -100
13127-88-3	Phenol-d6	87.648		60-140		88	SPK: -100
4165-60-0	Nitrobenzene-d5	90.16		60-140		90	SPK: -100
321-60-8	2-Fluorobiphenyl	94.275		60-140		94	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.083		60-140		98	SPK: -100
1718-51-0	Terphenyl-d14	92.826		60-140		93	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197613	7.687				
1146-65-2	Naphthalene-d8	743856	10.469				
15067-26-2	Acenaphthene-d10	379651	14.333				
1517-22-2	Phenanthrene-d10	718200	17.086				
1719-03-5	Chrysene-d12	622754	21.286				
1520-96-3	Perylene-d12	678886	23.527				



Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BS	SDG No.:	BM032324
Lab Sample ID:	PB159652BS	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BM044733.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	42.6					

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BSD	SDG No.:	BM032324
Lab Sample ID:	PB159652BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044734.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	47.6		1	8	10	ug/L
110-86-1	Pyridine	35.7		1.6	4	5	ug/L
100-52-7	Benzaldehyde	19.4		4	8	10	ug/L
62-53-3	Aniline	26.9		1.6	4	5	ug/L
108-95-2	Phenol	46.5		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	45.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	47.8		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	47.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	47.8		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	48.1		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	47.5		1.6	8	10	ug/L
95-48-7	2-Methylphenol	43.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.8		1.4	4	5	ug/L
98-86-2	Acetophenone	45.9		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	43.6		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	40.4		1.5	4	5	ug/L
67-72-1	Hexachloroethane	50.3		1	4	5	ug/L
98-95-3	Nitrobenzene	45.2		1.3	4	5	ug/L
78-59-1	Isophorone	46.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	49.2		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	47.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.1		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	47.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.5		1.1	4	5	ug/L
65-85-0	Benzoic acid	37.5		5.5	8	10	ug/L
91-20-3	Naphthalene	44.7		1	4	5	ug/L
106-47-8	4-Chloroaniline	23		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	48.8		1.3	4	5	ug/L
105-60-2	Caprolactam	45.3		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	44.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	42		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BSD	SDG No.:	BM032324
Lab Sample ID:	PB159652BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044734.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	51.3		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	46.3		1	4	5	ug/L
92-52-4	1,1-Biphenyl	48		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	49.8		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	48.6		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	45.7		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	47.7		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	32.6		1.4	4	5	ug/L
83-32-9	Acenaphthene	47.7		0.81	4	5	ug/L
Total PAH	Total PAH	753.2		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	89.2	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	100	E	2	8	10	ug/L
132-64-9	Dibenzofuran	45.9		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	47.4		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	49.7		1.5	4	5	ug/L
84-66-2	Diethylphthalate	45.8		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.3		0.98	4	5	ug/L
86-73-7	Fluorene	46.4		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	45.9		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	47.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	46.8		0.89	4	5	ug/L
103-33-3	Azobenzene	46.3		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	47		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	50.3		1.1	4	5	ug/L
1912-24-9	Atrazine	51.6		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	92.7	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	46.4		0.89	4	5	ug/L
120-12-7	Anthracene	46.6		1.1	4	5	ug/L
86-74-8	Carbazole	47.5		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	46.5		1.5	4	5	ug/L
206-44-0	Fluoranthene	45.2		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BSD	SDG No.:	BM032324
Lab Sample ID:	PB159652BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044734.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	40.1		4.1	8	10	ug/L
129-00-0	Pyrene	47.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	49.1		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	39		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.9		0.94	4	5	ug/L
218-01-9	Chrysene	45.5		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	48.4		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	50.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	49.1		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	47.8		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.7		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	47.5		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.6		1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.4		0.79	4	5	ug/L
123-91-1	1,4-Dioxane	37.8		1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	93.672		60-140		94	SPK: -100
13127-88-3	Phenol-d6	87.749		60-140		88	SPK: -100
4165-60-0	Nitrobenzene-d5	88.808		60-140		89	SPK: -100
321-60-8	2-Fluorobiphenyl	91.993		60-140		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	96.76		60-140		97	SPK: -100
1718-51-0	Terphenyl-d14	90.815		60-140		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201993	7.687				
1146-65-2	Naphthalene-d8	782986	10.469				
15067-26-2	Acenaphthene-d10	397147	14.333				
1517-22-2	Phenanthrene-d10	758677	17.086				
1719-03-5	Chrysene-d12	643889	21.286				
1520-96-3	Perylene-d12	714565	23.527				



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

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BSD	SDG No.:	BM032324
Lab Sample ID:	PB159652BSD	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	Level : LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044734.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
	1-Methylnaphthalene	42.2					

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BL	SDG No.:	BM032324
Lab Sample ID:	PB159652BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044735.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BL	SDG No.:	BM032324
Lab Sample ID:	PB159652BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044735.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BL	SDG No.:	BM032324
Lab Sample ID:	PB159652BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044735.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	85.298		60-140		85	SPK: -100
13127-88-3	Phenol-d6	81.111		60-140		81	SPK: -100
4165-60-0	Nitrobenzene-d5	87.335		60-140		87	SPK: -100
321-60-8	2-Fluorobiphenyl	91.228		60-140		91	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.962		60-140		81	SPK: -100
1718-51-0	Terphenyl-d14	94.555		60-140		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	205622	7.687				
1146-65-2	Naphthalene-d8	756517	10.463				
15067-26-2	Acenaphthene-d10	379409	14.327				
1517-22-2	Phenanthrene-d10	709514	17.086				
1719-03-5	Chrysene-d12	580424	21.286				
1520-96-3	Perylene-d12	657131	23.527				

TENTATIVE IDENTIFIED COMPOUNDS

Report of Analysis

Client:		Date Collected:	3/19/2024 12:00:00 AM
Project:		Date Received:	3/19/2024 12:00:00 AM
Client Sample ID:	PB159652BL	SDG No.:	BM032324
Lab Sample ID:	PB159652BL	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044735.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	40.6	A			4.869	
000822-67-3	2-Cyclohexen-1-ol	3.3	J			5.634	
000930-68-7	2-Cyclohexen-1-one	5.2	J			6.351	
001561-86-0	2-Chlorocyclohexanol	4.5	J			8.004	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BS	SDG No.:	BM032324
Lab Sample ID:	PB159733BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044736.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46		1	8	10	ug/L
110-86-1	Pyridine	32.4		1.6	4	5	ug/L
100-52-7	Benzaldehyde	23.4		4	8	10	ug/L
62-53-3	Aniline	16		1.6	4	5	ug/L
108-95-2	Phenol	45.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	44.3		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	46.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	46.9		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	46.3		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	46.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	45.3		1.6	8	10	ug/L
95-48-7	2-Methylphenol	41.8		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.8		1.4	4	5	ug/L
98-86-2	Acetophenone	45.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	42		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	38.5		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	48.7		1	4	5	ug/L
98-95-3	Nitrobenzene	44.3		1.3	4	5	ug/L
78-59-1	Isophorone	45.3		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	47.9		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	38		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	43.2		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	46.6		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	46.6		1.1	4	5	ug/L
65-85-0	Benzoic acid	38.6		5.5	8	10	ug/L
91-20-3	Naphthalene	44.1		1	4	5	ug/L
106-47-8	4-Chloroaniline	17		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	47.5		1.3	4	5	ug/L
105-60-2	Caprolactam	43.6		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	43.8		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	41.1		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BS	SDG No.:	BM032324
Lab Sample ID:	PB159733BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044736.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	49.4		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	44.4		1	4	5	ug/L
92-52-4	1,1-Biphenyl	46.9		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	48.4		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	47.3		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	44.2		0.93	4	5	ug/L
208-96-8	Acenaphthylene	48.9		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.6		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.4		1.4	4	5	ug/L
83-32-9	Acenaphthene	45.1		0.81	4	5	ug/L
Total PAH	Total PAH	742.3		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	85.3	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	94	E	2	8	10	ug/L
132-64-9	Dibenzofuran	44.4		0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	47.9		1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.5		2.7	4	10	ug/L
84-66-2	Diethylphthalate	44.3		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.6		0.98	4	5	ug/L
86-73-7	Fluorene	44.9		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	43.5		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.1		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	45.7		0.89	4	5	ug/L
103-33-3	Azobenzene	45.4		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	45.7		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	49.2		1.1	4	5	ug/L
1912-24-9	Atrazine	41.3		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	93.2	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	45.2		0.89	4	5	ug/L
120-12-7	Anthracene	45.2		1.1	4	5	ug/L
86-74-8	Carbazole	45.7		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	45.6		1.5	4	5	ug/L
206-44-0	Fluoranthene	44.5		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BS	SDG No.:	BM032324
Lab Sample ID:	PB159733BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044736.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	28.9		4.1	8	10	ug/L
129-00-0	Pyrene	46.2		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	47.6		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38.9		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	46.1		0.94	4	5	ug/L
218-01-9	Chrysene	45		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	46.7		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	46.7		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	51.1		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	47		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	46.8		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	47.8		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	46.2		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.3		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	36.9		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.2		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	42		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.786		10-139		89	SPK: -150
13127-88-3	Phenol-d6	124.239		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	86.862		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	89.003		52-132		89	SPK: -100
118-79-6	2,4,6-Tribromophenol	140.17		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	88.722		36-145		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	208132	7.686				
1146-65-2	Naphthalene-d8	795636	10.463				
15067-26-2	Acenaphthene-d10	409352	14.333				
1517-22-2	Phenanthrene-d10	772036	17.086				
1719-03-5	Chrysene-d12	662944	21.286				
1520-96-3	Perylene-d12	720094	23.527				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BS	SDG No.:	BM032324
Lab Sample ID:	PB159733BS	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044736.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BSD	SDG No.:	BM032324
Lab Sample ID:	PB159733BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044737.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	43.2		1	8	10	ug/L
110-86-1	Pyridine	31.1		1.6	4	5	ug/L
100-52-7	Benzaldehyde	24.5		4	8	10	ug/L
62-53-3	Aniline	15.6		1.6	4	5	ug/L
108-95-2	Phenol	42.4		0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	42.1		1.2	4	5	ug/L
95-57-8	2-Chlorophenol	44.6		0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	44.7		0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	44.4		0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	44.7		0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	43.4		1.6	8	10	ug/L
95-48-7	2-Methylphenol	39.5		1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.6		1.4	4	5	ug/L
98-86-2	Acetophenone	43.7		1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	40		1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	36.2		1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	46.4		1	4	5	ug/L
98-95-3	Nitrobenzene	43		1.3	4	5	ug/L
78-59-1	Isophorone	43.6		1.1	4	5	ug/L
88-75-5	2-Nitrophenol	46.3		2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	36.4		1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.6		1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	45.4		0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	45		1.1	4	5	ug/L
65-85-0	Benzoic acid	39		5.5	8	10	ug/L
91-20-3	Naphthalene	42.2		1	4	5	ug/L
106-47-8	4-Chloroaniline	17.2		1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	46.1		1.3	4	5	ug/L
105-60-2	Caprolactam	41.8		1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	42.1		0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	39.8		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BSD	SDG No.:	BM032324
Lab Sample ID:	PB159733BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044737.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	100	E	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	48.5		0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	43.5		1	4	5	ug/L
92-52-4	1,1-Biphenyl	45.8		0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	47.5		0.97	4	5	ug/L
88-74-4	2-Nitroaniline	46.2		1.4	4	5	ug/L
131-11-3	Dimethylphthalate	43.4		0.93	4	5	ug/L
208-96-8	Acenaphthylene	47.3		1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		1.2	4	5	ug/L
99-09-2	3-Nitroaniline	31.8		1.4	4	5	ug/L
83-32-9	Acenaphthene	44		0.81	4	5	ug/L
Total PAH	Total PAH	719.4		17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	83.8	E	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	91.7	E	2	8	10	ug/L
132-64-9	Dibenzofuran	43.3		0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	91.8		2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	46.4		1.5	4	5	ug/L
84-66-2	Diethylphthalate	43.6		1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.6		0.98	4	5	ug/L
86-73-7	Fluorene	43.8		0.96	4	5	ug/L
100-01-6	4-Nitroaniline	43.1		2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.4		3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	43.9		0.89	4	5	ug/L
103-33-3	Azobenzene	43.9		1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	44		0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	47.4		1.1	4	5	ug/L
1912-24-9	Atrazine	39.5		1.3	4	5	ug/L
87-86-5	Pentachlorophenol	90.1	E	1.9	8	10	ug/L
85-01-8	Phenanthrene	43.2		0.89	4	5	ug/L
120-12-7	Anthracene	43.8		1.1	4	5	ug/L
86-74-8	Carbazole	44		1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	44.2		1.5	4	5	ug/L
206-44-0	Fluoranthene	43		1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BSD	SDG No.:	BM032324
Lab Sample ID:	PB159733BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044737.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	34.3		4.1	8	10	ug/L
129-00-0	Pyrene	45.1		1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	46.9		2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	38.5		1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	45.4		0.94	4	5	ug/L
218-01-9	Chrysene	43.9		0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	45.9		1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	45.6		2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	50.7		1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	44.6		1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	45.6		1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.2		1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.9		1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	44.7		1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	48.5		1.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.5		1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	45.5		0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	40.4		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	124.989		10-139		83	SPK: -150
13127-88-3	Phenol-d6	115.857		10-134		77	SPK: -150
4165-60-0	Nitrobenzene-d5	83.399		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	86.808		52-132		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	136.449		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	86.097		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	209726	7.687				
1146-65-2	Naphthalene-d8	791462	10.463				
15067-26-2	Acenaphthene-d10	400496	14.328				
1517-22-2	Phenanthrene-d10	769275	17.086				
1719-03-5	Chrysene-d12	646485	21.286				
1520-96-3	Perylene-d12	708950	23.527				

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159733BSD	SDG No.:	BM032324
Lab Sample ID:	PB159733BSD	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
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
BM044737.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

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

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BM032324
Lab Sample ID:	PB159682BL	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
BM044738.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BM032324
Lab Sample ID:	PB159682BL	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
BM044738.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BM032324
Lab Sample ID:	PB159682BL	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
BM044738.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.535		18-112		86	SPK: -150
13127-88-3	Phenol-d6	120.372		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	87.993		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	90.154		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	131.255		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	93.663		14-112		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	205851	7.687				
1146-65-2	Naphthalene-d8	751977	10.463				
15067-26-2	Acenaphthene-d10	390129	14.327				
1517-22-2	Phenanthrene-d10	710169	17.086				
1719-03-5	Chrysene-d12	585705	21.286				
1520-96-3	Perylene-d12	678156	23.527				



Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BL	SDG No.:	BM032324
Lab Sample ID:	PB159682BL	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
BM044738.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

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

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BS	SDG No.:	BM032324
Lab Sample ID:	PB159682BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044739.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	630		180	270	330	ug/Kg
62-53-3	Aniline	730		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1300		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	670		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BS	SDG No.:	BM032324
Lab Sample ID:	PB159682BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044739.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	920		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BS	SDG No.:	BM032324
Lab Sample ID:	PB159682BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044739.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1700		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1300		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	134.277		18-112		90	SPK: -150
13127-88-3	Phenol-d6	125.884		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	88.508		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	89.544		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	139.255		10-110		93	SPK: -150
1718-51-0	Terphenyl-d14	92.36		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	187517	7.687				
1146-65-2	Naphthalene-d8	708573	10.463				
15067-26-2	Acenaphthene-d10	376713	14.327				
1517-22-2	Phenanthrene-d10	684205	17.086				
1719-03-5	Chrysene-d12	588703	21.286				
1520-96-3	Perylene-d12	664511	23.527				



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

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	PB159682BS	SDG No.:	BM032324
Lab Sample ID:	PB159682BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02	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
BM044739.D	1	3/20/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159682

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

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BL	SDG No.:	BM032324
Lab Sample ID:	PB159703BL	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
BM044740.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BL	SDG No.:	BM032324
Lab Sample ID:	PB159703BL	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
BM044740.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BL	SDG No.:	BM032324
Lab Sample ID:	PB159703BL	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
BM044740.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.044		18-112		83	SPK: -150
13127-88-3	Phenol-d6	116.431		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	85.563		18-107		86	SPK: -100
321-60-8	2-Fluorobiphenyl	87.755		20-109		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	126.633		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	92.437		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201177	7.687				
1146-65-2	Naphthalene-d8	724622	10.463				
15067-26-2	Acenaphthene-d10	373551	14.327				
1517-22-2	Phenanthrene-d10	673335	17.086				
1719-03-5	Chrysene-d12	553499	21.28				
1520-96-3	Perylene-d12	652268	23.527				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BL	SDG No.:	BM032324
Lab Sample ID:	PB159703BL	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
BM044740.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

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

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BS	SDG No.:	BM032324
Lab Sample ID:	PB159703BS	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
BM044741.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	620		180	270	330	ug/Kg
62-53-3	Aniline	730		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1300		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BS	SDG No.:	BM032324
Lab Sample ID:	PB159703BS	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
BM044741.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	910		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BS	SDG No.:	BM032324
Lab Sample ID:	PB159703BS	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
BM044741.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1600		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1600		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	135.021		18-112		90	SPK: -150
13127-88-3	Phenol-d6	125.752		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	88.684		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	90.313		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.206		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	90.79		14-112		91	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	198456	7.687				
1146-65-2	Naphthalene-d8	747386	10.463				
15067-26-2	Acenaphthene-d10	393974	14.328				
1517-22-2	Phenanthrene-d10	723390	17.086				
1719-03-5	Chrysene-d12	624155	21.286				
1520-96-3	Perylene-d12	708359	23.527				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	PB159703BS	SDG No.:	BM032324
Lab Sample ID:	PB159703BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BM044741.D	1	3/21/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159703

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BM032324
Lab Sample ID:	PB159737BL	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
BM044742.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	86.8	U	86.8	270	330	ug/Kg
110-86-1	Pyridine	79.9	U	79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	96.9	U	96.9	130	170	ug/Kg
108-95-2	Phenol	82.9	U	82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.7	U	83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	83.5	U	83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	84.6	U	84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	86	U	86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	86.5	U	86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	83	U	83	270	330	ug/Kg
95-48-7	2-Methylphenol	80.6	U	80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.9	U	90.9	130	170	ug/Kg
98-86-2	Acetophenone	86.9	U	86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.8	U	79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	83	U	83	130	170	ug/Kg
98-95-3	Nitrobenzene	90.8	U	90.8	130	170	ug/Kg
78-59-1	Isophorone	84.6	U	84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.5	U	94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.2	U	93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.8	U	85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.5	U	75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.4	U	85.4	130	170	ug/Kg
65-85-0	Benzoic acid	240	U	240	270	330	ug/Kg
91-20-3	Naphthalene	82.6	U	82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	82.6	U	82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.3	U	83.3	130	170	ug/Kg
105-60-2	Caprolactam	86.8	U	86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.5	U	77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.5	U	82.5	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BM032324
Lab Sample ID:	PB159737BL	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
BM044742.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.4	U	87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.3	U	83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	95	U	95	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.7	U	81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	86.5	U	86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.2	U	83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.2	U	89.2	130	170	ug/Kg
83-32-9	Acenaphthene	81.1	U	81.1	130	170	ug/Kg
Total PAH	Total PAH	1325.1	U	1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.4	U	84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.2	U	86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	69.4	U	169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	80.1	U	80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.6	U	85.6	130	170	ug/Kg
86-73-7	Fluorene	85.5	U	85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.6	U	81.6	130	170	ug/Kg
103-33-3	Azobenzene	79.6	U	79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.9	U	78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	85	U	85	130	170	ug/Kg
1912-24-9	Atrazine	91.4	U	91.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	77.3	U	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	84	U	84	130	170	ug/Kg
120-12-7	Anthracene	84.4	U	84.4	130	170	ug/Kg
86-74-8	Carbazole	80.3	U	80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.3	U	84.3	130	170	ug/Kg
206-44-0	Fluoranthene	81.7	U	81.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BM032324
Lab Sample ID:	PB159737BL	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
BM044742.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	83	U	83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.8	U	96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.6	U	98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.7	U	80.7	130	170	ug/Kg
218-01-9	Chrysene	79.5	U	79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	91	U	91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.1	U	81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.6	U	82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	93	U	93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.1	U	78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.2	U	81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.1	U	80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.8	U	86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.2	U	83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.124		18-112		83	SPK: -150
13127-88-3	Phenol-d6	114.332		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	85.037		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	86.702		20-109		87	SPK: -100
118-79-6	2,4,6-Tribromophenol	124.64		10-110		83	SPK: -150
1718-51-0	Terphenyl-d14	90.359		14-112		90	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201591	7.687				
1146-65-2	Naphthalene-d8	726677	10.463				
15067-26-2	Acenaphthene-d10	375853	14.327				
1517-22-2	Phenanthrene-d10	669819	17.086				
1719-03-5	Chrysene-d12	556054	21.28				
1520-96-3	Perylene-d12	651663	23.521				



Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BL	SDG No.:	BM032324
Lab Sample ID:	PB159737BL	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
BM044742.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

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

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BS	SDG No.:	BM032324
Lab Sample ID:	PB159737BS	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
BM044743.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		86.7	270	330	ug/Kg
110-86-1	Pyridine	1200		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	620		180	270	330	ug/Kg
62-53-3	Aniline	730		96.8	130	170	ug/Kg
108-95-2	Phenol	1500		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.7	130	170	ug/Kg
78-59-1	Isophorone	1500		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	1300		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.2	130	170	ug/Kg
105-60-2	Caprolactam	1500		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BS	SDG No.:	BM032324
Lab Sample ID:	PB159737BS	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
BM044743.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3700	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	910		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81	130	170	ug/Kg
Total PAH	Total PAH	25000		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1100		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.5	130	170	ug/Kg
86-73-7	Fluorene	1500		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3300	E	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1600		83.9	130	170	ug/Kg
120-12-7	Anthracene	1600		84.3	130	170	ug/Kg
86-74-8	Carbazole	1600		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.6	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BS	SDG No.:	BM032324
Lab Sample ID:	PB159737BS	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
BM044743.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1600		160	270	330	ug/Kg
129-00-0	Pyrene	1600		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	136.88		18-112		91	SPK: -150
13127-88-3	Phenol-d6	127.023		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	89.176		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	89.745		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	141.274		10-110		94	SPK: -150
1718-51-0	Terphenyl-d14	91.8		14-112		92	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195295	7.687				
1146-65-2	Naphthalene-d8	739047	10.463				
15067-26-2	Acenaphthene-d10	391511	14.327				
1517-22-2	Phenanthrene-d10	708062	17.086				
1719-03-5	Chrysene-d12	616039	21.286				
1520-96-3	Perylene-d12	698149	23.521				



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Report of Analysis

Client:		Date Collected:	3/22/2024 12:00:00 AM
Project:		Date Received:	3/22/2024 12:00:00 AM
Client Sample ID:	PB159737BS	SDG No.:	BM032324
Lab Sample ID:	PB159737BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	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
BM044743.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

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

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200	SDG No.:	BM032324
Lab Sample ID:	P1788-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044744.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200	SDG No.:	BM032324
Lab Sample ID:	P1788-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044744.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200	SDG No.:	BM032324
Lab Sample ID:	P1788-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044744.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	34.168	*	60-140		34	SPK: -100
13127-88-3	Phenol-d6	18.885	*	60-140		19	SPK: -100
4165-60-0	Nitrobenzene-d5	83.904		60-140		84	SPK: -100
321-60-8	2-Fluorobiphenyl	87.713		60-140		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.327		60-140		85	SPK: -100
1718-51-0	Terphenyl-d14	77.542		60-140		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	206698	7.687				
1146-65-2	Naphthalene-d8	759791	10.463				
15067-26-2	Acenaphthene-d10	398673	14.327				
1517-22-2	Phenanthrene-d10	739379	17.08				
1719-03-5	Chrysene-d12	646754	21.28				
1520-96-3	Perylene-d12	731956	23.521				

TENTATIVE IDENTIFIED COMPOUNDS



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Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-200	SDG No.:	BM032324
Lab Sample ID:	P1788-01	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044744.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.1	A			4.875	
000149-57-5	Hexanoic acid, 2-ethyl-	40.1	J			9.04	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.6	J			10.257	
001931-63-1	Nonanoic acid, 9-oxo-, methyl este	2.1	J			13.551	
002104-19-0	Nonanedioic acid, monomethyl ester	8	J			14.986	
000123-99-9	Azelaic acid	2.3	J			15.298	
000057-10-3	n-Hexadecanoic acid	6	J			17.992	
000057-11-4	Octadecanoic acid	3.9	J			19.286	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206	SDG No.:	BM032324
Lab Sample ID:	P1788-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044745.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	4	5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	1	U	1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206	SDG No.:	BM032324
Lab Sample ID:	P1788-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044745.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206	SDG No.:	BM032324
Lab Sample ID:	P1788-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044745.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	27.83	*	60-140		28	SPK: -100
13127-88-3	Phenol-d6	15.099	*	60-140		15	SPK: -100
4165-60-0	Nitrobenzene-d5	72.226		60-140		72	SPK: -100
321-60-8	2-Fluorobiphenyl	74.217		60-140		74	SPK: -100
118-79-6	2,4,6-Tribromophenol	81.542		60-140		82	SPK: -100
1718-51-0	Terphenyl-d14	82.477		60-140		82	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	204133	7.687				
1146-65-2	Naphthalene-d8	742284	10.463				
15067-26-2	Acenaphthene-d10	396766	14.328				
1517-22-2	Phenanthrene-d10	717566	17.08				
1719-03-5	Chrysene-d12	614922	21.28				
1520-96-3	Perylene-d12	709252	23.521				

TENTATIVE IDENTIFIED COMPOUNDS



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

Report of Analysis

Client:		Date Collected:	3/18/2024 12:00:00 AM
Project:		Date Received:	3/18/2024 12:00:00 AM
Client Sample ID:	PEZOMETER-206	SDG No.:	BM032324
Lab Sample ID:	P1788-02	Matrix:	Water
Analytical Method:	625.1	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
			uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044745.D	1	3/19/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159652

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7.2	A			4.87	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	2.6	J			10.263	
000057-10-3	n-Hexadecanoic acid	2.9	J			17.992	
	1-Methylnaphthalene		U				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER	SDG No.:	BM032324
Lab Sample ID:	P1820-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044746.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8	10	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5	ug/L
100-52-7	Benzaldehyde	4	U	4	8	10	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5	ug/L
108-95-2	Phenol	0.93	U	0.93	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	0.88	U	0.88	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	0.8	U	0.8	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	0.84	U	0.84	4	5	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8	10	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5	ug/L
78-59-1	Isophorone	1.1	U	1.1	4	5	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8	10	ug/L
91-20-3	Naphthalene	6		1	4	5	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5	ug/L
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	11		1.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER	SDG No.:	BM032324
Lab Sample ID:	P1820-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044746.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER	SDG No.:	BM032324
Lab Sample ID:	P1820-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044746.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	8.2		0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	58.757		10-139		39	SPK: -150
13127-88-3	Phenol-d6	32.66		10-134		22	SPK: -150
4165-60-0	Nitrobenzene-d5	88.288		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	82.772		52-132		83	SPK: -100
118-79-6	2,4,6-Tribromophenol	113.954		32-145		76	SPK: -150
1718-51-0	Terphenyl-d14	83.476		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218670	7.686				
1146-65-2	Naphthalene-d8	811308	10.463				
15067-26-2	Acenaphthene-d10	454281	14.327				
1517-22-2	Phenanthrene-d10	821094	17.08				
1719-03-5	Chrysene-d12	692607	21.28				
1520-96-3	Perylene-d12	790925	23.521				

Report of Analysis

Client:		Date Collected:	3/20/2024 12:00:00 AM
Project:		Date Received:	3/20/2024 12:00:00 AM
Client Sample ID:	WASTE-WATER	SDG No.:	BM032324
Lab Sample ID:	P1820-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044746.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159733

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000611-14-3	Benzene, 1-ethyl-2-methyl-	7.5	J			6.781	
000108-67-8	Mesitylene	19.6	J			7.334	
000526-73-8	Benzene, 1,2,3-trimethyl-	12.4	J			7.792	
000496-11-7	Indane	8.5	J			8.045	
001074-43-7	Benzene, 1-methyl-3-propyl-	6.6	J			8.222	
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	11.9	J			8.31	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	6.3	J			8.622	
000527-84-4	o-Cymene	6.4	J			8.675	
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	13.8	J			8.775	
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	6.7	J			9.351	
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	8.5	J			9.71	
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	18.7	J			9.857	
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	14.6	J			10.092	
000102-82-9	Tributylamine	9.7	J			10.269	
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	5.6	J			11.369	
002809-64-5	Naphthalene, 1,2,3,4-tetrahydro-5-	16.1	J			11.651	
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	9.9	J			12.01	
000112-18-5	1-Dodecanamine, N,N-dimethyl-	22.9	J			14.274	
1000342-26-1	N-Dodecylmethylamine	9.9	J			14.404	
059050-20-3	8-Methyl-14-oxo-8H,13H,14H-naphtho	96.1	J			21.15	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	CL-01-032124	SDG No.:	BM032324
Lab Sample ID:	P1831-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044747.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.5	U	59.5	190	230	ug/Kg
110-86-1	Pyridine	54.8	U	54.8	89.1	120	ug/Kg
100-52-7	Benzaldehyde	120	U	120	190	230	ug/Kg
62-53-3	Aniline	66.4	U	66.4	89.1	120	ug/Kg
108-95-2	Phenol	56.8	U	56.8	89.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.4	U	57.4	89.1	120	ug/Kg
95-57-8	2-Chlorophenol	57.2	U	57.2	89.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58	U	58	89.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.9	U	58.9	89.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.3	U	59.3	89.1	120	ug/Kg
100-51-6	Benzyl Alcohol	56.9	U	56.9	190	230	ug/Kg
95-48-7	2-Methylphenol	55.2	U	55.2	89.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.3	U	62.3	89.1	120	ug/Kg
98-86-2	Acetophenone	59.6	U	59.6	89.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.7	U	54.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.6	U	27.6	54.8	54.8	ug/Kg
67-72-1	Hexachloroethane	56.9	U	56.9	89.1	120	ug/Kg
98-95-3	Nitrobenzene	62.2	U	62.2	89.1	120	ug/Kg
78-59-1	Isophorone	58	U	58	89.1	120	ug/Kg
88-75-5	2-Nitrophenol	64.8	U	64.8	89.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	63.9	U	63.9	89.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	58.8	U	58.8	89.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	51.8	U	51.8	89.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.5	U	58.5	89.1	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	56.6	U	56.6	89.1	120	ug/Kg
106-47-8	4-Chloroaniline	56.6	U	56.6	89.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.1	U	57.1	89.1	120	ug/Kg
105-60-2	Caprolactam	59.5	U	59.5	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.1	U	53.1	89.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.5	U	56.5	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	CL-01-032124	SDG No.:	BM032324
Lab Sample ID:	P1831-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044747.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	48.9	U	48.9	89.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	50.7	U	50.7	89.1	120	ug/Kg
92-52-4	1,1-Biphenyl	59.9	U	59.9	89.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.1	U	57.1	89.1	120	ug/Kg
88-74-4	2-Nitroaniline	65.1	U	65.1	89.1	120	ug/Kg
131-11-3	Dimethylphthalate	56	U	56	89.1	120	ug/Kg
208-96-8	Acenaphthylene	59.3	U	59.3	89.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57	U	57	89.1	120	ug/Kg
99-09-2	3-Nitroaniline	61.1	U	61.1	89.1	120	ug/Kg
83-32-9	Acenaphthene	55.6	U	55.6	89.1	120	ug/Kg
Total PAH	Total PAH	908.3	U	908.3	89.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.5	U	79.5	190	230	ug/Kg
132-64-9	Dibenzofuran	57.9	U	57.9	89.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	16.1	U	116.1	89.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.1	U	59.1	89.1	120	ug/Kg
84-66-2	Diethylphthalate	54.9	U	54.9	89.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.7	U	58.7	89.1	120	ug/Kg
86-73-7	Fluorene	58.6	U	58.6	89.1	120	ug/Kg
100-01-6	4-Nitroaniline	73.3	U	73.3	89.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.2	U	80.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	89.1	120	ug/Kg
103-33-3	Azobenzene	54.6	U	54.6	89.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.1	U	54.1	89.1	120	ug/Kg
118-74-1	Hexachlorobenzene	58.3	U	58.3	89.1	120	ug/Kg
1912-24-9	Atrazine	62.6	U	62.6	89.1	120	ug/Kg
87-86-5	Pentachlorophenol	53	U	53	190	230	ug/Kg
85-01-8	Phenanthrene	57.6	U	57.6	89.1	120	ug/Kg
120-12-7	Anthracene	57.9	U	57.9	89.1	120	ug/Kg
86-74-8	Carbazole	55	U	55	89.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	57.8	U	57.8	89.1	120	ug/Kg
206-44-0	Fluoranthene	56	U	56	89.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	CL-01-032124	SDG No.:	BM032324
Lab Sample ID:	P1831-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044747.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	56.9	U	56.9	89.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.4	U	66.4	89.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.6	U	67.6	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	55.3	U	55.3	89.1	120	ug/Kg
218-01-9	Chrysene	54.5	U	54.5	89.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.4	U	62.4	89.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.4	U	75.4	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.6	U	55.6	89.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.6	U	56.6	89.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	63.7	U	63.7	89.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	53.5	U	53.5	89.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.7	U	55.7	89.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	54.9	U	54.9	89.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.5	U	59.5	89.1	120	ug/Kg
123-91-1	1,4-Dioxane	75.4	U	75.4	89.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.2	U	51.2	89.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	57	U	57	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	80.19		18-112		53	SPK: -150
13127-88-3	Phenol-d6	75.695		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	54.899		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	57.26		20-109		57	SPK: -100
118-79-6	2,4,6-Tribromophenol	83.57		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	53.491		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218950	7.687				
1146-65-2	Naphthalene-d8	785403	10.463				
15067-26-2	Acenaphthene-d10	406692	14.328				
1517-22-2	Phenanthrene-d10	749802	17.08				
1719-03-5	Chrysene-d12	678045	21.28				
1520-96-3	Perylene-d12	773418	23.521				

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	CL-01-032124	SDG No.:	BM032324
Lab Sample ID:	P1831-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM044747.D	1	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000629-73-2	Cetene	88.7	J			17.874	
000057-10-3	n-Hexadecanoic acid	240	J			17.998	
056862-62-5	10-Methylnonadecane	71.1	J			18.927	
000886-66-8	Benzene, 1,1-(1,3-butadiyne-1,4-d	85	J			19.151	
000057-11-4	Octadecanoic acid	84.1	J			19.28	
000629-78-7	Heptadecane	82.7	J			19.51	
000629-94-7	Heneicosane	66.7	J			20.051	
000646-31-1	Tetracosane	72.7	J			20.551	
1000309-38-3	Oxalic acid, isobutyl octadecyl es	140	J			21.009	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	50.3	J			21.451	
035599-77-0	Tridecane, 1-iodo-	110	J			21.892	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032324
Lab Sample ID:	P1830-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BM044748.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	620	U	620	1900	2400	ug/Kg
110-86-1	Pyridine	570	U	570	930	1200	ug/Kg
100-52-7	Benzaldehyde	1300	U	1300	1900	2400	ug/Kg
62-53-3	Aniline	700	U	700	930	1200	ug/Kg
108-95-2	Phenol	600	U	600	930	1200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	600	U	600	930	1200	ug/Kg
95-57-8	2-Chlorophenol	600	U	600	930	1200	ug/Kg
95-50-1	1,2-Dichlorobenzene	610	U	610	930	1200	ug/Kg
541-73-1	1,3-Dichlorobenzene	620	U	620	930	1200	ug/Kg
106-46-7	1,4-Dichlorobenzene	620	U	620	930	1200	ug/Kg
100-51-6	Benzyl Alcohol	600	U	600	1900	2400	ug/Kg
95-48-7	2-Methylphenol	580	U	580	930	1200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	650	U	650	930	1200	ug/Kg
98-86-2	Acetophenone	620	U	620	930	1200	ug/Kg
65794-96-9	3+4-Methylphenols	570	U	570	1900	2400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	290	U	290	570	570	ug/Kg
67-72-1	Hexachloroethane	600	U	600	930	1200	ug/Kg
98-95-3	Nitrobenzene	650	U	650	930	1200	ug/Kg
78-59-1	Isophorone	610	U	610	930	1200	ug/Kg
88-75-5	2-Nitrophenol	680	U	680	930	1200	ug/Kg
105-67-9	2,4-Dimethylphenol	670	U	670	930	1200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	620	U	620	930	1200	ug/Kg
120-83-2	2,4-Dichlorophenol	540	U	540	930	1200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	610	U	610	930	1200	ug/Kg
65-85-0	Benzoic acid	1700	U	1700	1900	2400	ug/Kg
91-20-3	Naphthalene	590	U	590	930	1200	ug/Kg
106-47-8	4-Chloroaniline	590	U	590	930	1200	ug/Kg
87-68-3	Hexachlorobutadiene	600	U	600	930	1200	ug/Kg
105-60-2	Caprolactam	620	U	620	1900	2400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	560	U	560	930	1200	ug/Kg
91-57-6	2-Methylnaphthalene	590	U	590	930	1200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032324
Lab Sample ID:	P1830-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BM044748.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1100	U	1100	1900	2400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	510	U	510	930	1200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	530	U	530	930	1200	ug/Kg
92-52-4	1,1-Biphenyl	630	U	630	930	1200	ug/Kg
91-58-7	2-Chloronaphthalene	600	U	600	930	1200	ug/Kg
88-74-4	2-Nitroaniline	680	U	680	930	1200	ug/Kg
131-11-3	Dimethylphthalate	590	U	590	930	1200	ug/Kg
208-96-8	Acenaphthylene	620	U	620	930	1200	ug/Kg
606-20-2	2,6-Dinitrotoluene	600	U	600	930	1200	ug/Kg
99-09-2	3-Nitroaniline	640	U	640	930	1200	ug/Kg
83-32-9	Acenaphthene	580	U	580	930	1200	ug/Kg
Total PAH	Total PAH	9510	U	9510	930	19200	ug/Kg
51-28-5	2,4-Dinitrophenol	1700	U	1700	1900	2400	ug/Kg
100-02-7	4-Nitrophenol	830	U	830	1900	2400	ug/Kg
132-64-9	Dibenzofuran	610	U	610	930	1200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	1220	930	2400	ug/Kg
121-14-2	2,4-Dinitrotoluene	620	U	620	930	1200	ug/Kg
84-66-2	Diethylphthalate	580	U	580	930	1200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	610	U	610	930	1200	ug/Kg
86-73-7	Fluorene	610	U	610	930	1200	ug/Kg
100-01-6	4-Nitroaniline	770	U	770	930	1200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	840	U	840	1900	2400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	590	U	590	930	1200	ug/Kg
103-33-3	Azobenzene	570	U	570	930	1200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	570	U	570	930	1200	ug/Kg
118-74-1	Hexachlorobenzene	610	U	610	930	1200	ug/Kg
1912-24-9	Atrazine	660	U	660	930	1200	ug/Kg
87-86-5	Pentachlorophenol	560	U	560	1900	2400	ug/Kg
85-01-8	Phenanthrene	600	U	600	930	1200	ug/Kg
120-12-7	Anthracene	610	U	610	930	1200	ug/Kg
86-74-8	Carbazole	580	U	580	930	1200	ug/Kg
84-74-2	Di-n-butylphthalate	610	U	610	930	1200	ug/Kg
206-44-0	Fluoranthene	590	U	590	930	1200	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032324
Lab Sample ID:	P1830-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BM044748.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1200	U	1200	1900	2400	ug/Kg
129-00-0	Pyrene	600	U	600	930	1200	ug/Kg
85-68-7	Butylbenzylphthalate	700	U	700	930	1200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	710	U	710	1900	2400	ug/Kg
56-55-3	Benzo(a)anthracene	580	U	580	930	1200	ug/Kg
218-01-9	Chrysene	570	U	570	930	1200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	650	U	650	930	1200	ug/Kg
117-84-0	Di-n-octyl phthalate	790	U	790	1900	2400	ug/Kg
205-99-2	Benzo(b)fluoranthene	580	U	580	930	1200	ug/Kg
207-08-9	Benzo(k)fluoranthene	590	U	590	930	1200	ug/Kg
50-32-8	Benzo(a)pyrene	670	U	670	930	1200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	560	U	560	930	1200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	580	U	580	930	1200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	580	U	580	930	1200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	620	U	620	930	1200	ug/Kg
123-91-1	1,4-Dioxane	790	U	790	930	1200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	540	U	540	930	1200	ug/Kg
90-12-0	1-Methylnaphthalene	600	U	600	1200	1200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.5		18-112		45	SPK: -150
13127-88-3	Phenol-d6	59.83		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	40.38		18-107		40	SPK: -100
321-60-8	2-Fluorobiphenyl	46.11		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	59.61		10-110		40	SPK: -150
1718-51-0	Terphenyl-d14	48.34		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	215020	7.692				
1146-65-2	Naphthalene-d8	802384	10.463				
15067-26-2	Acenaphthene-d10	430172	14.327				
1517-22-2	Phenanthrene-d10	793046	17.086				
1719-03-5	Chrysene-d12	676353	21.28				
1520-96-3	Perylene-d12	771818	23.521				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-226	SDG No.:	BM032324
Lab Sample ID:	P1830-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16.6
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
BM044748.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	610	J			17.992	

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032324
Lab Sample ID:	P1830-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BM044749.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	570	U	570	1800	2200	ug/Kg
110-86-1	Pyridine	520	U	520	850	1100	ug/Kg
100-52-7	Benzaldehyde	1200	U	1200	1800	2200	ug/Kg
62-53-3	Aniline	630	U	630	850	1100	ug/Kg
108-95-2	Phenol	540	U	540	850	1100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	550	U	550	850	1100	ug/Kg
95-57-8	2-Chlorophenol	540	U	540	850	1100	ug/Kg
95-50-1	1,2-Dichlorobenzene	550	U	550	850	1100	ug/Kg
541-73-1	1,3-Dichlorobenzene	560	U	560	850	1100	ug/Kg
106-46-7	1,4-Dichlorobenzene	560	U	560	850	1100	ug/Kg
100-51-6	Benzyl Alcohol	540	U	540	1800	2200	ug/Kg
95-48-7	2-Methylphenol	530	U	530	850	1100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	590	U	590	850	1100	ug/Kg
98-86-2	Acetophenone	570	U	570	850	1100	ug/Kg
65794-96-9	3+4-Methylphenols	520	U	520	1800	2200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	260	U	260	520	520	ug/Kg
67-72-1	Hexachloroethane	540	U	540	850	1100	ug/Kg
98-95-3	Nitrobenzene	590	U	590	850	1100	ug/Kg
78-59-1	Isophorone	550	U	550	850	1100	ug/Kg
88-75-5	2-Nitrophenol	620	U	620	850	1100	ug/Kg
105-67-9	2,4-Dimethylphenol	610	U	610	850	1100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	560	U	560	850	1100	ug/Kg
120-83-2	2,4-Dichlorophenol	490	U	490	850	1100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	560	U	560	850	1100	ug/Kg
65-85-0	Benzoic acid	1500	U	1500	1800	2200	ug/Kg
91-20-3	Naphthalene	540	U	540	850	1100	ug/Kg
106-47-8	4-Chloroaniline	540	U	540	850	1100	ug/Kg
87-68-3	Hexachlorobutadiene	540	U	540	850	1100	ug/Kg
105-60-2	Caprolactam	570	U	570	1800	2200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	510	U	510	850	1100	ug/Kg
91-57-6	2-Methylnaphthalene	540	U	540	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032324
Lab Sample ID:	P1830-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BM044749.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1000	U	1000	1800	2200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	470	U	470	850	1100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	480	U	480	850	1100	ug/Kg
92-52-4	1,1-Biphenyl	570	U	570	850	1100	ug/Kg
91-58-7	2-Chloronaphthalene	540	U	540	850	1100	ug/Kg
88-74-4	2-Nitroaniline	620	U	620	850	1100	ug/Kg
131-11-3	Dimethylphthalate	530	U	530	850	1100	ug/Kg
208-96-8	Acenaphthylene	560	U	560	850	1100	ug/Kg
606-20-2	2,6-Dinitrotoluene	540	U	540	850	1100	ug/Kg
99-09-2	3-Nitroaniline	580	U	580	850	1100	ug/Kg
83-32-9	Acenaphthene	530	U	530	850	1100	ug/Kg
Total PAH	Total PAH	8650	U	8650	850	17600	ug/Kg
51-28-5	2,4-Dinitrophenol	1600	U	1600	1800	2200	ug/Kg
100-02-7	4-Nitrophenol	760	U	760	1800	2200	ug/Kg
132-64-9	Dibenzofuran	550	U	550	850	1100	ug/Kg
121-14-2	2,4-Dinitrotoluene	560	U	560	850	1100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	100	U	1100	850	2200	ug/Kg
84-66-2	Diethylphthalate	520	U	520	850	1100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	560	U	560	850	1100	ug/Kg
86-73-7	Fluorene	560	U	560	850	1100	ug/Kg
100-01-6	4-Nitroaniline	700	U	700	850	1100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	760	U	760	1800	2200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	530	U	530	850	1100	ug/Kg
103-33-3	Azobenzene	520	U	520	850	1100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	510	U	510	850	1100	ug/Kg
118-74-1	Hexachlorobenzene	550	U	550	850	1100	ug/Kg
1912-24-9	Atrazine	600	U	600	850	1100	ug/Kg
87-86-5	Pentachlorophenol	500	U	500	1800	2200	ug/Kg
85-01-8	Phenanthrene	550	U	550	850	1100	ug/Kg
120-12-7	Anthracene	550	U	550	850	1100	ug/Kg
86-74-8	Carbazole	520	U	520	850	1100	ug/Kg
84-74-2	Di-n-butylphthalate	550	U	550	850	1100	ug/Kg
206-44-0	Fluoranthene	530	U	530	850	1100	ug/Kg

Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032324
Lab Sample ID:	P1830-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BM044749.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	U	1100	1800	2200	ug/Kg
129-00-0	Pyrene	540	U	540	850	1100	ug/Kg
85-68-7	Butylbenzylphthalate	630	U	630	850	1100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	640	U	640	1800	2200	ug/Kg
56-55-3	Benzo(a)anthracene	530	U	530	850	1100	ug/Kg
218-01-9	Chrysene	520	U	520	850	1100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	590	U	590	850	1100	ug/Kg
117-84-0	Di-n-octyl phthalate	720	U	720	1800	2200	ug/Kg
205-99-2	Benzo(b)fluoranthene	530	U	530	850	1100	ug/Kg
207-08-9	Benzo(k)fluoranthene	540	U	540	850	1100	ug/Kg
50-32-8	Benzo(a)pyrene	610	U	610	850	1100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	510	U	510	850	1100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	530	U	530	850	1100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	520	U	520	850	1100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	570	U	570	850	1100	ug/Kg
123-91-1	1,4-Dioxane	720	U	720	850	1100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	490	U	490	850	1100	ug/Kg
90-12-0	1-Methylnaphthalene	540	U	540	1100	1100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.17		18-112		64	SPK: -150
13127-88-3	Phenol-d6	86.89		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	60.79		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	67.43		20-109		67	SPK: -100
118-79-6	2,4,6-Tribromophenol	88.1		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	68.57		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218659	7.693				
1146-65-2	Naphthalene-d8	803793	10.463				
15067-26-2	Acenaphthene-d10	430169	14.327				
1517-22-2	Phenanthrene-d10	789968	17.086				
1719-03-5	Chrysene-d12	680692	21.28				
1520-96-3	Perylene-d12	774124	23.527				



Report of Analysis

Client:		Date Collected:	3/21/2024 12:00:00 AM
Project:		Date Received:	3/21/2024 12:00:00 AM
Client Sample ID:	VNJ-206	SDG No.:	BM032324
Lab Sample ID:	P1830-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BM044749.D	10	3/22/2024 12:00:00 AM	3/22/2024 12:00:00 AM	PB159737

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

SW-846

SDG No.: BM032324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : PEZOMETER-200								
P1788-01	PEZOMETER-200	Water	2-Pentanone, 4-hydroxy-4-methyl *	9.100	A			
P1788-01	PEZOMETER-200	Water	Azelaic acid *	2.300	J			
P1788-01	PEZOMETER-200	Water	Ethanol, 2-(2-butoxyethoxy)- *	2.600	J			
P1788-01	PEZOMETER-200	Water	Hexanoic acid, 2-ethyl- *	40.100	J			
P1788-01	PEZOMETER-200	Water	n-Hexadecanoic acid *	6.000	J			
P1788-01	PEZOMETER-200	Water	Nonanedioic acid, monomethyl es *	8.000	J			
P1788-01	PEZOMETER-200	Water	Nonanoic acid, 9-oxo-, methyl est *	2.100	J			
P1788-01	PEZOMETER-200	Water	Octadecanoic acid *	3.900	J			
Total Tics :						74.10		
Total Concentration:						74.10		
Client ID : PEZOMETER-206								
P1788-02	PEZOMETER-206	Water	2-Pentanone, 4-hydroxy-4-methyl *	7.200	A			
P1788-02	PEZOMETER-206	Water	Ethanol, 2-(2-butoxyethoxy)- *	2.600	J			
P1788-02	PEZOMETER-206	Water	n-Hexadecanoic acid *	2.900	J			
Total Tics :						12.70		
Total Concentration:						12.70		
Client ID : WASTE-WATER								
P1820-01	WASTE-WATER	Water	1-Dodecanamine, N,N-dimethyl- *	22.900	J			
P1820-01	WASTE-WATER	Water	1H-Indene, 2,3-dihydro-4,7-dimet *	5.600	J			
P1820-01	WASTE-WATER	Water	1H-Indene, 2,3-dihydro-5-methyl- *	8.500	J			
P1820-01	WASTE-WATER	Water	8-Methyl-14-oxo-8H,13H,14H-na *	96.100	J			
P1820-01	WASTE-WATER	Water	Benzene, 1,2,3,4-tetramethyl- *	6.700	J			
P1820-01	WASTE-WATER	Water	Benzene, 1,2,3-trimethyl- *	12.400	J			
P1820-01	WASTE-WATER	Water	Benzene, 1-ethyl-2,3-dimethyl- *	11.900	J			
P1820-01	WASTE-WATER	Water	Benzene, 1-ethyl-2-methyl- *	7.500	J			
P1820-01	WASTE-WATER	Water	Benzene, 1-methyl-3-propyl- *	6.600	J			
P1820-01	WASTE-WATER	Water	Benzene, 2-ethenyl-1,4-dimethyl- *	18.700	J			
P1820-01	WASTE-WATER	Water	Benzene, 2-ethyl-1,4-dimethyl- *	6.300	J			
P1820-01	WASTE-WATER	Water	Benzene, 4-ethyl-1,2-dimethyl- *	13.800	J			
P1820-01	WASTE-WATER	Water	Indane *	8.500	J			
P1820-01	WASTE-WATER	Water	Mesitylene *	19.600	J			
P1820-01	WASTE-WATER	Water	N-Dodecylmethylamine *	9.900	J			
P1820-01	WASTE-WATER	Water	Naphthalene, 1,2,3,4-tetrahydro- *	14.600	J			
P1820-01	WASTE-WATER	Water	Naphthalene, 1,2,3,4-tetrahydro-5- *	16.100	J			
P1820-01	WASTE-WATER	Water	Naphthalene, 1,2,3,4-tetrahydro-6- *	9.900	J			
P1820-01	WASTE-WATER	Water	o-Cymene *	6.400	J			
P1820-01	WASTE-WATER	Water	Tributylamine *	9.700	J			
Total Tics :						311.70		

Hit Summary Sheet SW-846

SDG No.: BM032324

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P1820-01	WASTE-WATER	Water	1-Methylnaphthalene	8.200		0.86	5	ug/L
P1820-01	WASTE-WATER	Water	2-Methylnaphthalene	11.000		1.1	5	ug/L
P1820-01	WASTE-WATER	Water	Naphthalene	6.000		1	5	ug/L
			Total Svoc :			25.20		
			Total Concentration:			336.90		
Client ID : VNJ-226								
P1830-04	VNJ-226	Solid	n-Hexadecanoic acid	*	610.000	J		
			Total Tics :			610.00		
			Total Concentration:			610.00		
Client ID : CL-01-032124								
P1831-01	CL-01-032124	Solid	10-Methylnonadecane	*	71.100	J		
P1831-01	CL-01-032124	Solid	Benzene, 1,1-(1,3-butadiyne-1,4-d	*	85.000	J		
P1831-01	CL-01-032124	Solid	Cetene	*	88.700	J		
P1831-01	CL-01-032124	Solid	Heneicosane	*	66.700	J		
P1831-01	CL-01-032124	Solid	Heptadecane	*	82.700	J		
P1831-01	CL-01-032124	Solid	Heptadecane, 2,6,10,15-tetrameth	*	50.300	J		
P1831-01	CL-01-032124	Solid	n-Hexadecanoic acid	*	240.000	J		
P1831-01	CL-01-032124	Solid	Octadecanoic acid	*	84.100	J		
P1831-01	CL-01-032124	Solid	Oxalic acid, isobutyl octadecyl es	*	140.000	J		
P1831-01	CL-01-032124	Solid	Tetracosane	*	72.700	J		
P1831-01	CL-01-032124	Solid	Tridecane, 1-iodo-	*	110.000	J		
			Total Tics :			1,091.30		
			Total Concentration:			1,091.30		



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.612	0.680	0.663	0.653	0.649	4.1
Pyridine		1.502	1.573	1.700	1.646	1.632	1.619	4.0
2-Fluorophenol		1.337	1.392	1.461	1.411	1.381	1.393	3.0
Benzaldehyde		1.016	1.013	1.036	0.942	0.899	0.939	9.8
Aniline		1.994	2.033	2.196	2.168	2.166	2.122	3.9
Phenol-d6		1.685	1.757	1.893	1.832	1.802	1.792	3.9
Phenol		1.681	1.748	1.881	1.828	1.804	1.790	3.8
bis(2-Chloroethyl)ether		1.444	1.415	1.511	1.479	1.456	1.461	2.3
2-Chlorophenol		1.303	1.377	1.464	1.411	1.389	1.387	3.7
1,2-Dichlorobenzene		1.421	1.468	1.519	1.439	1.397	1.434	3.6
1,3-Dichlorobenzene		1.486	1.516	1.560	1.491	1.463	1.492	2.7
1,4-Dichlorobenzene		1.499	1.518	1.563	1.512	1.474	1.504	2.6
Benzyl Alcohol		1.033	1.069	1.226	1.231	1.224	1.178	7.6
2-Methylphenol		1.119	1.153	1.290	1.263	1.244	1.221	5.2
2,2-oxybis(1-Chloropropane)		2.019	2.035	2.122	2.049	1.999	2.026	3.1
Acetophenone		0.510	0.510	0.549	0.537	0.527	0.525	3.0
3+4-Methylphenols		1.457	1.534	1.751	1.714	1.702	1.647	6.7
n-Nitroso-di-n-propylamine	1.001	1.001	1.045	1.176	1.144	1.148	1.094	6.5
Nitrobenzene-d5		0.387	0.399	0.436	0.427	0.421	0.415	4.3
Hexachloroethane		0.534	0.549	0.580	0.562	0.551	0.556	2.7
Nitrobenzene		0.387	0.398	0.431	0.421	0.413	0.410	3.8
Isophorone		0.632	0.650	0.742	0.748	0.748	0.716	7.3
2-Nitrophenol		0.143	0.157	0.182	0.188	0.187	0.177	10.8
2,4-Dimethylphenol		0.277	0.297	0.325	0.322	0.319	0.311	5.9
bis(2-Chloroethoxy)methane		0.451	0.456	0.496	0.490	0.479	0.476	3.8
2,4-Dichlorophenol		0.260	0.276	0.311	0.310	0.305	0.297	7.0
1,2,4-Trichlorobenzene		0.311	0.314	0.326	0.317	0.312	0.316	1.9
Benzoic acid			0.160	0.222	0.242	0.251	0.231	16.0
Naphthalene		1.084	1.083	1.148	1.113	1.087	1.098	2.6
4-Chloroaniline		0.417	0.431	0.481	0.476	0.474	0.460	5.7
Hexachlorobutadiene		0.171	0.173	0.183	0.177	0.173	0.176	2.4
Caprolactam		0.076	0.078	0.097	0.103	0.107	0.096	14.0
4-Chloro-3-methylphenol		0.284	0.295	0.340	0.340	0.343	0.326	7.8
2-Methylnaphthalene		0.715	0.722	0.779	0.760	0.752	0.745	3.3
Hexachlorocyclopentadiene		0.279	0.305	0.319	0.334	0.332	0.323	7.6
2,4,6-Trichlorophenol		0.317	0.354	0.394	0.403	0.399	0.383	9.1

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.: BM031324

SAS No.: BM031324

SDG No.: BM031324

Instrument ID:

Calibration Date(s): 3/13/2024

Calibration Time(s): 13:44

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.451	1.476	1.531	1.463	1.424	1.452	3.5
2,4,5-Trichlorophenol		0.398	0.428	0.467	0.469	0.467	0.454	6.6
1,1-Biphenyl		1.517	1.550	1.628	1.586	1.550	1.564	2.6
2-Chloronaphthalene		1.101	1.148	1.204	1.172	1.142	1.157	2.9
2-Nitroaniline		0.311	0.341	0.400	0.421	0.422	0.392	12.1
Dimethylphthalate		1.425	1.446	1.548	1.533	1.502	1.496	3.2
Acenaphthylene		1.752	1.817	1.962	1.938	1.908	1.884	4.1
2,6-Dinitrotoluene		0.270	0.287	0.323	0.324	0.322	0.312	7.5
3-Nitroaniline		0.291	0.316	0.378	0.384	0.391	0.365	11.8
Acenaphthene		1.090	1.103	1.179	1.162	1.149	1.139	3.1
2,4-Dinitrophenol			0.126	0.166	0.188	0.195	0.180	16.7
4-Nitrophenol			0.237	0.302	0.309	0.317	0.300	10.5
Dibenzofuran		1.772	1.809	1.902	1.842	1.790	1.808	3.3
2,4-Dinitrotoluene		0.321	0.354	0.423	0.436	0.437	0.407	12.0
Diethylphthalate		1.390	1.445	1.576	1.557	1.545	1.514	4.7
4-Chlorophenyl-phenylether		0.669	0.675	0.713	0.685	0.670	0.676	3.3
Fluorene		1.385	1.397	1.507	1.437	1.396	1.408	4.1
4-Nitroaniline		0.275	0.308	0.377	0.395	0.398	0.364	14.1
4,6-Dinitro-2-methylphenol			0.096	0.123	0.130	0.131	0.125	12.1
n-Nitrosodiphenylamine		0.576	0.599	0.657	0.641	0.624	0.623	4.6
Azobenzene		1.371	1.455	1.651	1.638	1.625	1.565	7.0
2,4,6-Tribromophenol		0.190	0.201	0.232	0.228	0.228	0.221	8.1
4-Bromophenyl-phenylether		0.193	0.199	0.213	0.211	0.207	0.207	3.8
Hexachlorobenzene		0.209	0.213	0.227	0.222	0.219	0.220	3.1
Atrazine		0.170	0.186	0.204	0.200	0.200	0.195	6.5
Pentachlorophenol		0.122	0.135	0.163	0.168	0.169	0.158	13.4
Phenanthrene		1.077	1.088	1.165	1.118	1.096	1.105	3.2
Anthracene		1.025	1.077	1.174	1.141	1.110	1.109	4.6
Carbazole		0.960	0.997	1.104	1.078	1.057	1.044	5.0
Di-n-butylphthalate		1.155	1.206	1.390	1.414	1.414	1.345	8.6
Fluoranthene		1.189	1.192	1.297	1.260	1.244	1.236	3.5
Benzidine			0.428	0.488	0.576	0.572	0.517	12.4
Pyrene		1.347	1.392	1.529	1.539	1.478	1.466	5.1
Terphenyl-d14		1.104	1.133	1.227	1.202	1.140	1.143	5.5
Butylbenzylphthalate		0.496	0.549	0.669	0.722	0.716	0.661	14.9
3,3-Dichlorobenzidine		0.409	0.439	0.510	0.519	0.502	0.479	9.0

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.: BM031324 SAS No.: BM031324 SDG No.: BM031324
Instrument ID: _____ Calibration Date(s): 3/13/2024 : _____
Calibration Time(s): 13:44 _____

LAB FILE ID:		RRF2.5 = BM044595.D			RRF005 = BM044596.D		RRF010 = BM044597.D	
		RRF020 = BM044598.D			RRF040 = BM044599.D		RRF050 = BM044600.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.309	1.345	1.455	1.429	1.397	1.392	4.0
Chrysene		1.299	1.300	1.380	1.377	1.320	1.330	3.3
Bis(2-ethylhexyl)phthalate		0.778	0.859	1.052	1.107	1.072	0.995	12.7
Di-n-octyl phthalate		1.313	1.423	1.723	1.900	1.892	1.726	14.9
Benzo(b)fluoranthene		1.092	1.117	1.207	1.207	1.175	1.175	4.4
Benzo(k)fluoranthene		1.129	1.189	1.279	1.226	1.220	1.208	4.6
Benzo(a)pyrene		1.036	1.083	1.194	1.179	1.168	1.146	5.6
Indeno(1,2,3-cd)pyrene		1.359	1.390	1.506	1.477	1.462	1.446	4.1
Dibenzo(a,h)anthracene		1.148	1.158	1.270	1.246	1.244	1.219	4.5
Benzo(g,h,i)perylene		1.149	1.146	1.243	1.211	1.208	1.200	3.4
1,2,4,5-Tetrachlorobenzene		0.549	0.567	0.582	0.570	0.560	0.568	2.1
1,4-Dioxane		0.574	0.602	0.622	0.579	0.569	0.586	3.5
2,3,4,6-Tetrachlorophenol		0.325	0.336	0.362	0.360	0.361	0.353	4.6
1-Methylnaphthalene		0.678	0.667	0.722	0.708	0.699	0.694	3.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324EPA Sample No.: SSTDICCC040Date Analyzed: Mar 22 2024 12:00AMLab File ID: BM044599.DTime Analyzed: 13:24Instrument ID: BNA_MGC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	237331	7.704	938226	10.49	534669	14.35
	UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
	LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
	EPA SAMPLE NO.						
01	PB159733BL	234352	7.69	856202	10.46	421248	14.33
02	PB159652BS	197613	7.69	743856	10.47	379651	14.33
03	PB159652BSD	201993	7.69	782986	10.47	397147	14.33
04	PB159652BL	205622	7.69	756517	10.46	379409	14.33
05	PB159733BS	208132	7.69	795636	10.46	409352	14.33
06	PB159733BSD	209726	7.69	791462	10.46	400496	14.33
07	PB159682BL	205851	7.69	751977	10.46	390129	14.33
08	PB159682BS	187517	7.69	708573	10.46	376713	14.33
09	PB159703BL	201177	7.69	724622	10.46	373551	14.33
10	PB159703BS	198456	7.69	747386	10.46	393974	14.33
11	PB159737BL	201591	7.69	726677	10.46	375853	14.33
12	PB159737BS	195295	7.69	739047	10.46	391511	14.33
13	PEZOMETER-200	206698	7.69	759791	10.46	398673	14.33
14	PEZOMETER-206	204133	7.69	742284	10.46	396766	14.33
15	WASTE-WATER	218670	7.69	811308	10.46	454281	14.33
16	CL-01-032124	218950	7.69	785403	10.46	406692	14.33
17	VNJ-226	215020	7.69	802384	10.46	430172	14.33
18	VNJ-206	218659	7.69	803793	10.46	430169	14.33



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324

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

Lab File ID: BM044599.D Time Analyzed: 23:52

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	237331	7.704	938226	10.49	534669	14.35
UPPER LIMIT	474662	8.204	1876452	10.986	1069338	14.851
LOWER LIMIT	118665.5	7.204	469113	9.986	267334.5	13.851
EPA SAMPLE NO.						

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.: BM032324 SAS No.: BM032324 SDG NO.: BM032324EPA Sample No.: SSTDCCC040 Date Analyzed: Mar 22 2024 12:00AMLab File ID: BM044731.D Time Analyzed: 13:24Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	201578	7.687	741662	10.46	389505	14.33
	UPPER LIMIT	403156	8.187	1483324	10.963	779010	14.833
	LOWER LIMIT	100789	7.187	370831	9.963	194752.5	13.833
	EPA SAMPLE NO.						
01	PB159733BL	234352	7.69	856202	10.46	421248	14.33
02	PB159652BS	197613	7.69	743856	10.47	379651	14.33
03	PB159652BSD	201993	7.69	782986	10.47	397147	14.33
04	PB159652BL	205622	7.69	756517	10.46	379409	14.33
05	PB159733BS	208132	7.69	795636	10.46	409352	14.33
06	PB159733BSD	209726	7.69	791462	10.46	400496	14.33
07	PB159682BL	205851	7.69	751977	10.46	390129	14.33
08	PB159682BS	187517	7.69	708573	10.46	376713	14.33
09	PB159703BL	201177	7.69	724622	10.46	373551	14.33
10	PB159703BS	198456	7.69	747386	10.46	393974	14.33
11	PB159737BL	201591	7.69	726677	10.46	375853	14.33
12	PB159737BS	195295	7.69	739047	10.46	391511	14.33
13	PEZOMETER-200	206698	7.69	759791	10.46	398673	14.33
14	PEZOMETER-206	204133	7.69	742284	10.46	396766	14.33
15	WASTE-WATER	218670	7.69	811308	10.46	454281	14.33
16	CL-01-032124	218950	7.69	785403	10.46	406692	14.33
17	VNJ-226	215020	7.69	802384	10.46	430172	14.33
18	VNJ-206	218659	7.69	803793	10.46	430169	14.33

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324

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

Lab File ID: BM044731.D Time Analyzed: 23:52

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	201578	7.687	741662	10.46	389505	14.33
UPPER LIMIT	403156	8.187	1483324	10.963	779010	14.833
LOWER LIMIT	100789	7.187	370831	9.963	194752.5	13.833
EPA SAMPLE NO.						

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.: BM032324 SAS No.: BM032324 SDG NO.: BM032324

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

Lab File ID: BM044599.D Time Analyzed: 13:24

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						
01 PB159733BL	792597	17.09	660966	21.29	772540	23.52
02 PB159652BS	718200	17.09	622754	21.29	678886	23.53
03 PB159652BSD	758677	17.09	643889	21.29	714565	23.53
04 PB159652BL	709514	17.09	580424	21.29	657131	23.53
05 PB159733BS	772036	17.09	662944	21.29	720094	23.53
06 PB159733BSD	769275	17.09	646485	21.29	708950	23.53
07 PB159682BL	710169	17.09	585705	21.29	678156	23.53
08 PB159682BS	684205	17.09	588703	21.29	664511	23.53
09 PB159703BL	673335	17.09	553499	21.28	652268	23.53
10 PB159703BS	723390	17.09	624155	21.29	708359	23.53
11 PB159737BL	669819	17.09	556054	21.28	651663	23.52
12 PB159737BS	708062	17.09	616039	21.29	698149	23.52
13 PEZOMETER-200	739379	17.08	646754	21.28	731956	23.52
14 PEZOMETER-206	717566	17.08	614922	21.28	709252	23.52
15 WASTE-WATER	821094	17.08	692607	21.28	790925	23.52
16 CL-01-032124	749802	17.08	678045	21.28	773418	23.52
17 VNJ-226	793046	17.09	676353	21.28	771818	23.52
18 VNJ-206	789968	17.09	680692	21.28	774124	23.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324

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

Lab File ID: BM044599.D Time Analyzed: 23:52

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.04066e+04	17.104	895964	21.303	1.0338e+004	23.55
UPPER LIMIT	2081320	17.604	1791928	21.803	2067600	24.05
LOWER LIMIT	520330	16.604	447982	20.803	516900	23.05
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.

* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECHLab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324EPA Sample No.: SSTDCCC040Date Analyzed: Mar 22 2024 12:00AMLab File ID: BM044731.DTime Analyzed: 13:24Instrument ID: BNA_MGC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	709661	17.086	616271	21.286	694244	23.527
	UPPER LIMIT	1419322	17.586	1232542	21.786	1388488	24.027
	LOWER LIMIT	354830.5	16.586	308135.5	20.786	347122	23.027
	EPA SAMPLE NO.						
01	PB159733BL	792597	17.09	660966	21.29	772540	23.52
02	PB159652BS	718200	17.09	622754	21.29	678886	23.53
03	PB159652BSD	758677	17.09	643889	21.29	714565	23.53
04	PB159652BL	709514	17.09	580424	21.29	657131	23.53
05	PB159733BS	772036	17.09	662944	21.29	720094	23.53
06	PB159733BSD	769275	17.09	646485	21.29	708950	23.53
07	PB159682BL	710169	17.09	585705	21.29	678156	23.53
08	PB159682BS	684205	17.09	588703	21.29	664511	23.53
09	PB159703BL	673335	17.09	553499	21.28	652268	23.53
10	PB159703BS	723390	17.09	624155	21.29	708359	23.53
11	PB159737BL	669819	17.09	556054	21.28	651663	23.52
12	PB159737BS	708062	17.09	616039	21.29	698149	23.52
13	PEZOMETER-200	739379	17.08	646754	21.28	731956	23.52
14	PEZOMETER-206	717566	17.08	614922	21.28	709252	23.52
15	WASTE-WATER	821094	17.08	692607	21.28	790925	23.52
16	CL-01-032124	749802	17.08	678045	21.28	773418	23.52
17	VNJ-226	793046	17.09	676353	21.28	771818	23.52
18	VNJ-206	789968	17.09	680692	21.28	774124	23.53

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM032324 SAS No.: BM032324 SDG NO.: BM032324

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

Lab File ID: BM044731.D Time Analyzed: 23:52

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	709661	17.086	616271	21.286	694244	23.527
UPPER LIMIT	1419322	17.586	1232542	21.786	1388488	24.027
LOWER LIMIT	354830.5	16.586	308135.5	20.786	347122	23.027
EPA SAMPLE NO.						

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.: BM032324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159652BS	n-Nitrosodimethylamine	50	47.8	ug/L	96				52	110	
	Pyridine	50	36.1	ug/L	72				55	145	
	Benzaldehyde	50	19.7	ug/L	39				10	110	
	Aniline	50	26.8	ug/L	54				50	150	
	Phenol	50	46	ug/L	92				48	130	
	bis(2-Chloroethyl)ether	50	44.6	ug/L	89				52	130	
	2-Chlorophenol	50	47.3	ug/L	95				55	130	
	1,2-Dichlorobenzene	50	47.5	ug/L	95				32	129	
	1,3-Dichlorobenzene	50	47.4	ug/L	95				1	172	
	1,4-Dichlorobenzene	50	47.4	ug/L	95				20	124	
	Benzyl Alcohol	50	45.7	ug/L	91				10	156	
	2-Methylphenol	50	43	ug/L	86				15	153	
	2,2-oxybis(1-Chloropropane)	50	45.7	ug/L	91				63	139	
	Acetophenone	50	46.6	ug/L	93				21	128	
	3+4-Methylphenols	50	42.7	ug/L	85				10	156	
	N-Nitroso-di-n-propylamine	50	39.7	ug/L	79				59	170	
	Hexachloroethane	50	49.5	ug/L	99				55	130	
	Nitrobenzene	50	45.7	ug/L	91				54	158	
	Isophorone	50	47	ug/L	94				52	180	
	2-Nitrophenol	50	49.2	ug/L	98				61	163	
	2,4-Dimethylphenol	50	47.9	ug/L	96				58	130	
	bis(2-Chloroethoxy)methane	50	44.7	ug/L	89				52	164	
	2,4-Dichlorophenol	50	48	ug/L	96				64	130	
	1,2,4-Trichlorobenzene	50	47.7	ug/L	95				44	142	
	Benzoic acid	50	38.5	ug/L	77				10	159	
	Naphthalene	50	45.1	ug/L	90				70	130	
	4-Chloroaniline	50	23.7	ug/L	47				10	126	
	Hexachlorobutadiene	50	48.9	ug/L	98				68	130	
	Caprolactam	50	45	ug/L	90				10	160	
	4-Chloro-3-methylphenol	50	44.7	ug/L	89				68	130	
	2-Methylnaphthalene	50	42.8	ug/L	86				25	124	
	Hexachlorocyclopentadiene	100	130	ug/L	130				21	137	
	2,4,6-Trichlorophenol	50	51.1	ug/L	102				69	130	
	2,4,5-Trichlorophenol	50	45.9	ug/L	92				74	100	
	1,1-Biphenyl	50	47.8	ug/L	96				20	125	
	2-Chloronaphthalene	50	49.9	ug/L	100				70	130	
	2-Nitroaniline	50	49	ug/L	98				61	112	
	Dimethylphthalate	50	45.9	ug/L	92				50	130	
	Acenaphthylene	50	48.1	ug/L	96				60	130	
	2,6-Dinitrotoluene	50	47.2	ug/L	94				68	137	
	3-Nitroaniline	50	32.6	ug/L	65				35	106	
	Acenaphthene	50	47.8	ug/L	96				70	130	
	Total PAH	800	765.6	ug/L	96				70	130	
	2,4-Dinitrophenol	100	87.5	ug/L	88				39	173	
	4-Nitrophenol	100	100	ug/L	100				35	130	
	Dibenzofuran	50	46.3	ug/L	93				29	125	



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

SDG No.: BM032324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159652BS	2,4-Dinitrotoluene	50	49.1	ug/L	98					53	130	
	2,4-Dinitrotoluene/2,6-Dinitro	100	96.3	ug/L	96					53	130	
	Diethylphthalate	50	45.8	ug/L	92					47	130	
	4-Chlorophenyl-phenylether	50	47.3	ug/L	95					57	145	
	Fluorene	50	47.7	ug/L	95					70	130	
	4-Nitroaniline	50	45.2	ug/L	90					69	101	
	4,6-Dinitro-2-methylphenol	50	46.7	ug/L	93					56	130	
	N-Nitrosodiphenylamine	50	47.6	ug/L	95					63	100	
	Azobenzene	50	46.8	ug/L	94					58	105	
	4-Bromophenyl-phenylether	50	47.4	ug/L	95					70	130	
	Hexachlorobenzene	50	51	ug/L	102					38	142	
	Atrazine	50	51.8	ug/L	104					51	130	
	Pentachlorophenol	100	94.4	ug/L	94					42	152	
	Phenanthrene	50	47.2	ug/L	94					67	130	
	Anthracene	50	47.2	ug/L	94					58	130	
	Carbazole	50	47.9	ug/L	96					60	125	
	Di-n-butylphthalate	50	47.5	ug/L	95					52	130	
	Fluoranthene	50	46.2	ug/L	92					47	130	
	Benzidine	100	37.6	ug/L	38					10	133	
	Pyrene	50	47.5	ug/L	95					70	130	
	Butylbenzylphthalate	50	48.3	ug/L	97					43	140	
	3,3-Dichlorobenzidine	50	38.9	ug/L	78					18	213	
	Benzo(a)anthracene	50	47.1	ug/L	94					42	133	
	Chrysene	50	45.8	ug/L	92					44	140	
	bis(2-Ethylhexyl)phthalate	50	48.3	ug/L	97					43	137	
	Di-n-octyl phthalate	50	47.8	ug/L	96					21	132	
	Benzo(b)fluoranthene	50	52.1	ug/L	104					42	140	
	Benzo(k)fluoranthene	50	49.6	ug/L	99					25	146	
	Benzo(a)pyrene	50	46.7	ug/L	93					32	148	
	Indeno(1,2,3-cd)pyrene	50	49.3	ug/L	99					13	151	
	Dibenz(a,h)anthracene	50	49.6	ug/L	99					13	200	
	Benzo(g,h,i)perylene	50	48.6	ug/L	97					13	195	
	1,2,4,5-Tetrachlorobenzene	50	49.9	ug/L	100					70	130	
	2,3,4,6-Tetrachlorophenol	50	48.7	ug/L	97					70	130	
	1,4-Dioxane	50	38	ug/L	76					70	130	
PB159652BSD	n-Nitrosodimethylamine	50	47.6	ug/L	95	0				52	110	20
	Pyridine	50	35.7	ug/L	71	1				55	145	20
	Benzaldehyde	50	19.4	ug/L	39	2				10	110	20
	Aniline	50	26.9	ug/L	54	0				50	150	20
	Phenol	50	46.5	ug/L	93	1				48	130	20
	bis(2-Chloroethyl)ether	50	45.1	ug/L	90	1				52	130	20
	2-Chlorophenol	50	47.8	ug/L	96	1				55	130	20
	1,2-Dichlorobenzene	50	47.9	ug/L	96	1				32	129	20
	1,3-Dichlorobenzene	50	47.8	ug/L	96	1				1	172	20
	1,4-Dichlorobenzene	50	48.1	ug/L	96	1				20	124	20
Benzyl Alcohol	50	47.5	ug/L	95	4				10	156	20	



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

SDG No.: BM032324

Client:

Analytical Method: 625.1

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159652BSD	2-Methylphenol	50	43.8	ug/L	88	2			15	153	20
	2,2-oxybis(1-Chloropropane)	50	46.8	ug/L	94	2			63	139	20
	Acetophenone	50	45.9	ug/L	92	2			21	128	20
	3+4-Methylphenols	50	43.6	ug/L	87	2			10	156	20
	N-Nitroso-di-n-propylamine	50	40.4	ug/L	81	2			59	170	20
	Hexachloroethane	50	50.3	ug/L	101	2			55	130	20
	Nitrobenzene	50	45.2	ug/L	90	1			54	158	20
	Isophorone	50	46.6	ug/L	93	1			52	180	20
	2-Nitrophenol	50	49.2	ug/L	98	0			61	163	20
	2,4-Dimethylphenol	50	47.4	ug/L	95	1			58	130	20
	bis(2-Chloroethoxy)methane	50	44.1	ug/L	88	1			52	164	20
	2,4-Dichlorophenol	50	47.6	ug/L	95	1			64	130	20
	1,2,4-Trichlorobenzene	50	47.5	ug/L	95	0			44	142	20
	Benzoic acid	50	37.5	ug/L	75	3			10	159	20
	Naphthalene	50	44.7	ug/L	89	1			70	130	20
	4-Chloroaniline	50	23	ug/L	46	3			10	126	20
	Hexachlorobutadiene	50	48.8	ug/L	98	0			68	130	20
	Caprolactam	50	45.3	ug/L	91	1			10	160	20
	4-Chloro-3-methylphenol	50	44.8	ug/L	90	0			68	130	20
	2-Methylnaphthalene	50	42	ug/L	84	2			25	124	20
	Hexachlorocyclopentadiene	100	130	ug/L	130	0			21	137	20
	2,4,6-Trichlorophenol	50	51.3	ug/L	103	0			69	130	20
	2,4,5-Trichlorophenol	50	46.3	ug/L	93	1			74	100	20
	1,1-Biphenyl	50	48	ug/L	96	0			20	125	20
	2-Chloronaphthalene	50	49.8	ug/L	100	0			70	130	20
	2-Nitroaniline	50	48.6	ug/L	97	1			61	112	20
	Dimethylphthalate	50	45.7	ug/L	91	0			50	130	20
	Acenaphthylene	50	48	ug/L	96	0			60	130	20
	2,6-Dinitrotoluene	50	47.7	ug/L	95	1			68	137	20
	3-Nitroaniline	50	32.6	ug/L	65	0			35	106	20
	Acenaphthene	50	47.7	ug/L	95	0			70	130	20
	Total PAH	800	753.2	ug/L	94	2			70	130	20
	2,4-Dinitrophenol	100	89.2	ug/L	89	2			39	173	20
	4-Nitrophenol	100	100	ug/L	100	0			35	130	20
	Dibenzofuran	50	45.9	ug/L	92	1			29	125	20
	2,4-Dinitrotoluene	50	49.7	ug/L	99	1			53	130	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	97.4	ug/L	97	1			53	130	20
	Diethylphthalate	50	45.8	ug/L	92	0			47	130	20
	4-Chlorophenyl-phenylether	50	46.3	ug/L	93	2			57	145	20
	Fluorene	50	46.4	ug/L	93	3			70	130	20
	4-Nitroaniline	50	45.9	ug/L	92	2			69	101	20
	4,6-Dinitro-2-methylphenol	50	47.1	ug/L	94	1			56	130	20
	N-Nitrosodiphenylamine	50	46.8	ug/L	94	2			63	100	20
	Azobenzene	50	46.3	ug/L	93	1			58	105	20
	4-Bromophenyl-phenylether	50	47	ug/L	94	1			70	130	20
	Hexachlorobenzene	50	50.3	ug/L	101	1			38	142	20



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

SDG No.: BM032324

Client: _____

Analytical Method: 625.1

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159652BSD	Atrazine	50	51.6	ug/L	103	0			51	130	20
	Pentachlorophenol	100	92.7	ug/L	93	2			42	152	20
	Phenanthrene	50	46.4	ug/L	93	2			67	130	20
	Anthracene	50	46.6	ug/L	93	1			58	130	20
	Carbazole	50	47.5	ug/L	95	1			60	125	20
	Di-n-butylphthalate	50	46.5	ug/L	93	2			52	130	20
	Fluoranthene	50	45.2	ug/L	90	2			47	130	20
	Benzidine	100	40.1	ug/L	40	6			10	133	20
	Pyrene	50	47.2	ug/L	94	1			70	130	20
	Butylbenzylphthalate	50	49.1	ug/L	98	2			43	140	20
	3,3-Dichlorobenzidine	50	39	ug/L	78	0			18	213	20
	Benzo(a)anthracene	50	46.9	ug/L	94	0			42	133	20
	Chrysene	50	45.5	ug/L	91	1			44	140	20
	bis(2-Ethylhexyl)phthalate	50	48	ug/L	96	1			43	137	20
	Di-n-octyl phthalate	50	48.4	ug/L	97	1			21	132	20
	Benzo(b)fluoranthene	50	50.7	ug/L	101	3			42	140	20
	Benzo(k)fluoranthene	50	49.1	ug/L	98	1			25	146	20
	Benzo(a)pyrene	50	45.8	ug/L	92	2			32	148	20
	Indeno(1,2,3-cd)pyrene	50	47.8	ug/L	96	3			13	151	20
	Dibenz(a,h)anthracene	50	47.7	ug/L	95	4			13	200	20
	Benzo(g,h,i)perylene	50	47.5	ug/L	95	2			13	195	20
	1,2,4,5-Tetrachlorobenzene	50	49.6	ug/L	99	1			70	130	20
	2,3,4,6-Tetrachlorophenol	50	48.4	ug/L	97	1			70	130	20
	1,4-Dioxane	50	37.8	ug/L	76	1			70	130	20

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

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159682BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	630	ug/Kg	37				10	147	
	Aniline	1700	730	ug/Kg	43				38	100	
	Phenol	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1600	ug/Kg	94				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				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	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	670	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				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	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	920	ug/Kg	54				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25000	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032324

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB159682BS	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzydine	3300	1700	ug/Kg	52				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1300	ug/Kg	76				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				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	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159703BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	620	ug/Kg	36				10	147	
	Aniline	1700	730	ug/Kg	43				38	100	
	Phenol	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				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	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				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	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1300	ug/Kg	76				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	660	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				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	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	910	ug/Kg	54				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25000	ug/Kg	92				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol	3300	3000	ug/Kg	91				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032324

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159703BS	2,4-Dinitrotoluene/2,6-Dinitro	3400	3100	ug/Kg	91				60	106	
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	1600	ug/Kg	94				67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	1600	ug/Kg	48				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				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	1600	ug/Kg	94				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	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130	



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

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159733BS	n-Nitrosodimethylamine	50	46	ug/L	92				55	108	
	Pyridine	50	32.4	ug/L	65				29	97	
	Benzaldehyde	50	23.4	ug/L	47				15	121	
	Aniline	50	16	ug/L	32				10	130	
	Phenol	50	45.4	ug/L	91				66	118	
	bis(2-Chloroethyl)ether	50	44.3	ug/L	89				62	103	
	2-Chlorophenol	50	46.6	ug/L	93				70	117	
	1,2-Dichlorobenzene	50	46.9	ug/L	94				72	102	
	1,3-Dichlorobenzene	50	46.3	ug/L	93				71	103	
	1,4-Dichlorobenzene	50	46.7	ug/L	93				76	103	
	Benzyl Alcohol	50	45.3	ug/L	91				36	93	
	2-Methylphenol	50	41.8	ug/L	84				69	109	
	2,2-oxybis(1-Chloropropane)	50	45.8	ug/L	92				52	103	
	Acetophenone	50	45.7	ug/L	91				60	104	
	3+4-Methylphenols	50	42	ug/L	84				67	106	
	N-Nitroso-di-n-propylamine	50	38.5	ug/L	77				57	107	
	Hexachloroethane	50	48.7	ug/L	97				76	118	
	Nitrobenzene	50	44.3	ug/L	89				58	106	
	Isophorone	50	45.3	ug/L	91				61	102	
	2-Nitrophenol	50	47.9	ug/L	96				70	115	
	2,4-Dimethylphenol	50	38	ug/L	76				67	130	
	bis(2-Chloroethoxy)methane	50	43.2	ug/L	86				58	109	
	2,4-Dichlorophenol	50	46.6	ug/L	93				66	115	
	1,2,4-Trichlorobenzene	50	46.6	ug/L	93				41	115	
	Benzoic acid	50	38.6	ug/L	77				10	125	
	Naphthalene	50	44.1	ug/L	88				64	107	
	4-Chloroaniline	50	17	ug/L	34				10	85	
	Hexachlorobutadiene	50	47.5	ug/L	95				69	101	
	Caprolactam	50	43.6	ug/L	87				58	128	
	4-Chloro-3-methylphenol	50	43.8	ug/L	88				65	114	
	2-Methylnaphthalene	50	41.1	ug/L	82				64	107	
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160	
	2,4,6-Trichlorophenol	50	49.4	ug/L	99				61	110	
	2,4,5-Trichlorophenol	50	44.4	ug/L	89				70	106	
	1,1-Biphenyl	50	46.9	ug/L	94				72	98	
	2-Chloronaphthalene	50	48.4	ug/L	97				59	106	
	2-Nitroaniline	50	47.3	ug/L	95				58	107	
	Dimethylphthalate	50	44.2	ug/L	88				64	103	
	Acenaphthylene	50	48.9	ug/L	98				65	108	
	2,6-Dinitrotoluene	50	45.6	ug/L	91				64	110	
	3-Nitroaniline	50	31.4	ug/L	63				28	100	
	Acenaphthene	50	45.1	ug/L	90				59	113	
	Total PAH	800	742.3	ug/L	93				59	113	
	2,4-Dinitrophenol	100	85.3	ug/L	85				64	132	
	4-Nitrophenol	100	94	ug/L	94				68	116	
	Dibenzofuran	50	44.4	ug/L	89				65	106	



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

SDG No.: BM032324

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB159733BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	100	93.5	ug/L	94				60	115	
	2,4-Dinitrotoluene	50	47.9	ug/L	96				60	115	
	Diethylphthalate	50	44.3	ug/L	89				63	105	
	4-Chlorophenyl-phenylether	50	44.6	ug/L	89				61	104	
	Fluorene	50	44.9	ug/L	90				64	107	
	4-Nitroaniline	50	43.5	ug/L	87				69	112	
	4,6-Dinitro-2-methylphenol	50	44.1	ug/L	88				62	132	
	N-Nitrosodiphenylamine	50	45.7	ug/L	91				61	109	
	Azobenzene	50	45.4	ug/L	91				59	106	
	4-Bromophenyl-phenylether	50	45.7	ug/L	91				73	103	
	Hexachlorobenzene	50	49.2	ug/L	98				73	106	
	Atrazine	50	41.3	ug/L	83				76	120	
	Pentachlorophenol	100	93.2	ug/L	93				47	114	
	Phenanthrene	50	45.2	ug/L	90				62	109	
	Anthracene	50	45.2	ug/L	90				65	110	
	Carbazole	50	45.7	ug/L	91				62	106	
	Di-n-butylphthalate	50	45.6	ug/L	91				64	106	
	Fluoranthene	50	44.5	ug/L	89				64	110	
	Benzidine	100	28.9	ug/L	29				10	94	
	Pyrene	50	46.2	ug/L	92				71	103	
	Butylbenzylphthalate	50	47.6	ug/L	95				61	105	
	3,3-Dichlorobenzidine	50	38.9	ug/L	78				43	108	
	Benzo(a)anthracene	50	46.1	ug/L	92				62	107	
	Chrysene	50	45	ug/L	90				61	108	
	bis(2-Ethylhexyl)phthalate	50	46.7	ug/L	93				59	110	
	Di-n-octyl phthalate	50	46.7	ug/L	93				67	126	
	Benzo(b)fluoranthene	50	51.1	ug/L	102				77	113	
	Benzo(k)fluoranthene	50	47	ug/L	94				64	113	
	Benzo(a)pyrene	50	46.8	ug/L	94				72	131	
	Indeno(1,2,3-cd)pyrene	50	48.2	ug/L	96				72	105	
	Dibenz(a,h)anthracene	50	47.8	ug/L	96				78	115	
	Benzo(g,h,i)perylene	50	46.2	ug/L	92				75	118	
	1,2,4,5-Tetrachlorobenzene	50	49.3	ug/L	99				72	101	
	1,4-Dioxane	50	36.9	ug/L	74				38	125	
	2,3,4,6-Tetrachlorophenol	50	46.2	ug/L	92				63	116	
	1-Methylnaphthalene	50	42	ug/L	84				51	114	
PB159733BSD	n-Nitrosodimethylamine	50	43.2	ug/L	86	6			55	108	20
	Pyridine	50	31.1	ug/L	62	4			29	97	20
	Benzaldehyde	50	24.5	ug/L	49	5			15	121	20
	Aniline	50	15.6	ug/L	31	3			10	130	20
	Phenol	50	42.4	ug/L	85	7			66	118	20
	bis(2-Chloroethyl)ether	50	42.1	ug/L	84	5			62	103	20
	2-Chlorophenol	50	44.6	ug/L	89	4			70	117	20
	1,2-Dichlorobenzene	50	44.7	ug/L	89	5			72	102	20
	1,3-Dichlorobenzene	50	44.4	ug/L	89	4			71	103	20
	1,4-Dichlorobenzene	50	44.7	ug/L	89	4			76	103	20



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

SDG No.: BM032324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159733BSD	Benzyl Alcohol	50	43.4	ug/L	87	4			36	93	20
	2-Methylphenol	50	39.5	ug/L	79	6			69	109	20
	2,2-oxybis(1-Chloropropane)	50	43.6	ug/L	87	5			52	103	20
	Acetophenone	50	43.7	ug/L	87	4			60	104	20
	3+4-Methylphenols	50	40	ug/L	80	5			67	106	20
	N-Nitroso-di-n-propylamine	50	36.2	ug/L	72	6			57	107	20
	Hexachloroethane	50	46.4	ug/L	93	5			76	118	20
	Nitrobenzene	50	43	ug/L	86	3			58	106	20
	Isophorone	50	43.6	ug/L	87	4			61	102	20
	2-Nitrophenol	50	46.3	ug/L	93	3			70	115	20
	2,4-Dimethylphenol	50	36.4	ug/L	73	4			67	130	20
	bis(2-Chloroethoxy)methane	50	41.6	ug/L	83	4			58	109	20
	2,4-Dichlorophenol	50	45.4	ug/L	91	3			66	115	20
	1,2,4-Trichlorobenzene	50	45	ug/L	90	3			41	115	20
	Benzoic acid	50	39	ug/L	78	1			10	125	20
	Naphthalene	50	42.2	ug/L	84	4			64	107	20
	4-Chloroaniline	50	17.2	ug/L	34	1			10	85	20
	Hexachlorobutadiene	50	46.1	ug/L	92	3			69	101	20
	Caprolactam	50	41.8	ug/L	84	4			58	128	20
	4-Chloro-3-methylphenol	50	42.1	ug/L	84	4			65	114	20
	2-Methylnaphthalene	50	39.8	ug/L	80	3			64	107	20
	Hexachlorocyclopentadiene	100	100	ug/L	100	10			36	160	20
	2,4,6-Trichlorophenol	50	48.5	ug/L	97	2			61	110	20
	2,4,5-Trichlorophenol	50	43.5	ug/L	87	2			70	106	20
	1,1-Biphenyl	50	45.8	ug/L	92	2			72	98	20
	2-Chloronaphthalene	50	47.5	ug/L	95	2			59	106	20
	2-Nitroaniline	50	46.2	ug/L	92	2			58	107	20
	Dimethylphthalate	50	43.4	ug/L	87	2			64	103	20
	Acenaphthylene	50	47.3	ug/L	95	3			65	108	20
	2,6-Dinitrotoluene	50	45.4	ug/L	91	0			64	110	20
	3-Nitroaniline	50	31.8	ug/L	64	1			28	100	20
	Acenaphthene	50	44	ug/L	88	2			59	113	20
	Total PAH	800	719.4	ug/L	90	3			59	113	20
	2,4-Dinitrophenol	100	83.8	ug/L	84	2			64	132	20
	4-Nitrophenol	100	91.7	ug/L	92	2			68	116	20
	Dibenzofuran	50	43.3	ug/L	87	3			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	91.8	ug/L	92	2			60	115	20
	2,4-Dinitrotoluene	50	46.4	ug/L	93	3			60	115	20
	Diethylphthalate	50	43.6	ug/L	87	2			63	105	20
	4-Chlorophenyl-phenylether	50	43.6	ug/L	87	2			61	104	20
	Fluorene	50	43.8	ug/L	88	2			64	107	20
	4-Nitroaniline	50	43.1	ug/L	86	1			69	112	20
	4,6-Dinitro-2-methylphenol	50	43.4	ug/L	87	2			62	132	20
	N-Nitrosodiphenylamine	50	43.9	ug/L	88	4			61	109	20
	Azobenzene	50	43.9	ug/L	88	3			59	106	20
	4-Bromophenyl-phenylether	50	44	ug/L	88	4			73	103	20



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

SDG No.: BM032324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Low	Limits	
							Qual	Qual		High	RPD
PB159733BSD	Hexachlorobenzene	50	47.4	ug/L	95	4			73	106	20
	Atrazine	50	39.5	ug/L	79	4			76	120	20
	Pentachlorophenol	100	90.1	ug/L	90	3			47	114	20
	Phenanthrene	50	43.2	ug/L	86	5			62	109	20
	Anthracene	50	43.8	ug/L	88	3			65	110	20
	Carbazole	50	44	ug/L	88	4			62	106	20
	Di-n-butylphthalate	50	44.2	ug/L	88	3			64	106	20
	Fluoranthene	50	43	ug/L	86	3			64	110	20
	Benzidine	100	34.3	ug/L	34	17			10	94	20
	Pyrene	50	45.1	ug/L	90	2			71	103	20
	Butylbenzylphthalate	50	46.9	ug/L	94	1			61	105	20
	3,3-Dichlorobenzidine	50	38.5	ug/L	77	1			43	108	20
	Benzo(a)anthracene	50	45.4	ug/L	91	2			62	107	20
	Chrysene	50	43.9	ug/L	88	2			61	108	20
	bis(2-Ethylhexyl)phthalate	50	45.9	ug/L	92	2			59	110	20
	Di-n-octyl phthalate	50	45.6	ug/L	91	2			67	126	20
	Benzo(b)fluoranthene	50	50.7	ug/L	101	1			77	113	20
	Benzo(k)fluoranthene	50	44.6	ug/L	89	5			64	113	20
	Benzo(a)pyrene	50	45.6	ug/L	91	3			72	131	20
	Indeno(1,2,3-cd)pyrene	50	46.2	ug/L	92	4			72	105	20
	Dibenz(a,h)anthracene	50	45.9	ug/L	92	4			78	115	20
	Benzo(g,h,i)perylene	50	44.7	ug/L	89	3			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	48.5	ug/L	97	2			72	101	20
	1,4-Dioxane	50	34.5	ug/L	69	7			38	125	20
	2,3,4,6-Tetrachlorophenol	50	45.5	ug/L	91	2			63	116	20
	1-Methylnaphthalene	50	40.4	ug/L	81	4			51	114	20



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

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD	
								Qual	Low	High		
PB159737BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103		
	Pyridine	1700	1200	ug/Kg	71				28	98		
	Benzaldehyde	1700	620	ug/Kg	36				10	147		
	Aniline	1700	730	ug/Kg	43				38	100		
	Phenol	1700	1500	ug/Kg	88				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	1600	ug/Kg	94				52	99		
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100		
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116		
	2-Methylphenol	1700	1400	ug/Kg	82				61	108		
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100		
	Acetophenone	1700	1600	ug/Kg	94				55	104		
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111		
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95		
	Hexachloroethane	1700	1700	ug/Kg	100				72	108		
	Nitrobenzene	1700	1500	ug/Kg	88				57	101		
	Isophorone	1700	1500	ug/Kg	88				59	99		
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111		
	2,4-Dimethylphenol	1700	1200	ug/Kg	71				67	119		
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105		
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107		
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110		
	Benzoic acid	1700	1300	ug/Kg	76				10	140		
	Naphthalene	1700	1500	ug/Kg	88				62	100		
	4-Chloroaniline	1700	660	ug/Kg	39				16	100		
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98		
	Caprolactam	1700	1500	ug/Kg	88				67	110		
	4-Chloro-3-methylphenol	1700	1500	ug/Kg	88				58	112		
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104		
	Hexachlorocyclopentadiene	3300	3700	ug/Kg	112				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	1600	ug/Kg	94				57	103		
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99		
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101		
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99		
	Acenaphthylene	1700	1600	ug/Kg	94				63	101		
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104		
	3-Nitroaniline	1700	910	ug/Kg	54				28	100		
	Acenaphthene	1700	1500	ug/Kg	88				57	104		
	Total PAH		27200	25000	ug/Kg	92				57	104	
	2,4-Dinitrophenol		3300	2800	ug/Kg	85				37	128	
	4-Nitrophenol		3300	3000	ug/Kg	91				48	119	
	Dibenzofuran		1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM032324

Client: _____

Analytical Method: **8270E**

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB159737BS	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotr	3400	3100	ug/Kg	91				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1500	ug/Kg	88				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99		
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105		
	Phenanthrene	1700	1600	ug/Kg	94				59	103		
	Anthracene	1700	1600	ug/Kg	94				61	105		
	Carbazole	1700	1600	ug/Kg	94				61	99		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Benzidine	3300	1600	ug/Kg	48				10	98		
	Pyrene	1700	1600	ug/Kg	94				59	103		
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103		
	3,3-Dichlorobenzidine	1700	1200	ug/Kg	71				42	91		
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111		
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				53	101		
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159652BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032324SAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044735.DLab Sample ID: PB159652BLInstrument ID: BNA_MDate Extracted: 03/19/2024Matrix: (soil/water) WaterDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 15:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159652BS	PB159652BS	BM044733.D	03/22/2024
PB159652BSD	PB159652BSD	BM044734.D	03/22/2024
PEZOMETER-200	P1788-01	BM044744.D	03/22/2024
PEZOMETER-206	P1788-02	BM044745.D	03/22/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159682BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032324SAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044738.DLab Sample ID: PB159682BLInstrument ID: BNA_MDate Extracted: 03/20/2024Matrix: (soil/water) SolidDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 17:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159682BS	PB159682BS	BM044739.D	03/22/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159703BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032324SAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044740.DLab Sample ID: PB159703BLInstrument ID: BNA_MDate Extracted: 03/21/2024Matrix: (soil/water) SolidDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 18:27

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159703BS	PB159703BS	BM044741.D	03/22/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159733BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032324SAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044732.DLab Sample ID: PB159733BLInstrument ID: BNA_MDate Extracted: 03/22/2024Matrix: (soil/water) WaterDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 13:24

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WASTE-WATER	P1820-01	BM044746.D	03/22/2024
PB159733BS	PB159733BS	BM044736.D	03/22/2024
PB159733BSD	PB159733BSD	BM044737.D	03/22/2024

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB159737BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM032324SAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044742.DLab Sample ID: PB159737BLInstrument ID: BNA_MDate Extracted: 03/22/2024Matrix: (soil/water) SolidDate Analyzed: 03/22/2024Level: (low/med) LOWTime Analyzed: 19:39

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB159737BS	PB159737BS	BM044743.D	03/22/2024
CL-01-032124	P1831-01	BM044747.D	03/22/2024
VNJ-226	P1830-04	BM044748.D	03/22/2024
VNJ-206	P1830-02	BM044749.D	03/22/2024

COMMENTS: _____



Surrogate Summary

SW-846

SDG No.: BM032324

Client: _____

Analytical Method: 625.1

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1788-01	PEZOMETER-200	BM044744.D	2-Fluorophenol	100	34.17	34	*	60	140
			Phenol-d6	100	18.89	19	*	60	140
			Nitrobenzene-d5	100	83.90	84		60	140
			2-Fluorobiphenyl	100	87.71	88		60	140
			2,4,6-Tribromophenol	100	85.33	85		60	140
			Terphenyl-d14	100	77.54	78		60	140
P1788-02	PEZOMETER-206	BM044745.D	2-Fluorophenol	100	27.83	28	*	60	140
			Phenol-d6	100	15.10	15	*	60	140
			Nitrobenzene-d5	100	72.23	72		60	140
			2-Fluorobiphenyl	100	74.22	74		60	140
			2,4,6-Tribromophenol	100	81.54	82		60	140
			Terphenyl-d14	100	82.48	82		60	140
PB159652BL	PB159652BL	BM044735.D	2-Fluorophenol	100	85.30	85		60	140
			Phenol-d6	100	81.11	81		60	140
			Nitrobenzene-d5	100	87.34	87		60	140
			2-Fluorobiphenyl	100	91.23	91		60	140
			2,4,6-Tribromophenol	100	80.96	81		60	140
			Terphenyl-d14	100	94.56	95		60	140
PB159652BS	PB159652BS	BM044733.D	2-Fluorophenol	100	92.67	93		60	140
			Phenol-d6	100	87.65	88		60	140
			Nitrobenzene-d5	100	90.16	90		60	140
			2-Fluorobiphenyl	100	94.28	94		60	140
			2,4,6-Tribromophenol	100	98.08	98		60	140
			Terphenyl-d14	100	92.83	93		60	140
PB159652BSD	PB159652BSD	BM044734.D	2-Fluorophenol	100	93.67	94		60	140
			Phenol-d6	100	87.75	88		60	140
			Nitrobenzene-d5	100	88.81	89		60	140
			2-Fluorobiphenyl	100	91.99	92		60	140
			2,4,6-Tribromophenol	100	96.76	97		60	140
			Terphenyl-d14	100	90.82	91		60	140



Surrogate Summary
SW-846

SDG No.: BM032324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159682BL	PB159682BL	BM044738.D	2-Fluorophenol	150	129.54	86		18	112
			Phenol-d6	150	120.37	80		15	107
			Nitrobenzene-d5	100	87.99	88		18	107
			2-Fluorobiphenyl	100	90.15	90		20	109
			2,4,6-Tribromophenol	150	131.26	88		10	110
			Terphenyl-d14	100	93.66	94		14	112
PB159682BS	PB159682BS	BM044739.D	2-Fluorophenol	150	134.28	90		18	112
			Phenol-d6	150	125.88	84		15	107
			Nitrobenzene-d5	100	88.51	89		18	107
			2-Fluorobiphenyl	100	89.54	90		20	109
			2,4,6-Tribromophenol	150	139.26	93		10	110
			Terphenyl-d14	100	92.36	92		14	112



Surrogate Summary
SW-846

SDG No.: BM032324

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB159703BL	PB159703BL	BM044740.D	2-Fluorophenol	150	125.04	83		18	112
			Phenol-d6	150	116.43	78		15	107
			Nitrobenzene-d5	100	85.56	86		18	107
			2-Fluorobiphenyl	100	87.76	88		20	109
			2,4,6-Tribromophenol	150	126.63	84		10	110
			Terphenyl-d14	100	92.44	92		14	112
PB159703BS	PB159703BS	BM044741.D	2-Fluorophenol	150	135.02	90		18	112
			Phenol-d6	150	125.75	84		15	107
			Nitrobenzene-d5	100	88.68	89		18	107
			2-Fluorobiphenyl	100	90.31	90		20	109
			2,4,6-Tribromophenol	150	141.21	94		10	110
			Terphenyl-d14	100	90.79	91		14	112

Surrogate Summary

SW-846

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1820-01	WASTE-WATER	BM044746.D	2-Fluorophenol	150	58.76	39		10	139
			Phenol-d6	150	32.66	22		10	134
			Nitrobenzene-d5	100	88.29	88		49	133
			2-Fluorobiphenyl	100	82.77	83		52	132
			2,4,6-Tribromophenol	150	113.95	76		32	145
			Terphenyl-d14	100	83.48	83		36	145
PB159733BL	PB159733BL	BM044732.D	2-Fluorophenol	150	124.39	83		10	139
			Phenol-d6	150	115.28	77		10	134
			Nitrobenzene-d5	100	83.55	84		49	133
			2-Fluorobiphenyl	100	88.63	89		52	132
			2,4,6-Tribromophenol	150	132.52	88		32	145
			Terphenyl-d14	100	90.55	91		36	145
PB159733BS	PB159733BS	BM044736.D	2-Fluorophenol	150	132.79	89		10	139
			Phenol-d6	150	124.24	83		10	134
			Nitrobenzene-d5	100	86.86	87		49	133
			2-Fluorobiphenyl	100	89.00	89		52	132
			2,4,6-Tribromophenol	150	140.17	93		32	145
			Terphenyl-d14	100	88.72	89		36	145
PB159733BSD	PB159733BSD	BM044737.D	2-Fluorophenol	150	124.99	83		10	139
			Phenol-d6	150	115.86	77		10	134
			Nitrobenzene-d5	100	83.40	83		49	133
			2-Fluorobiphenyl	100	86.81	87		52	132
			2,4,6-Tribromophenol	150	136.45	91		32	145
			Terphenyl-d14	100	86.10	86		36	145

Surrogate Summary

SW-846

SDG No.: BM032324

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P1830-02	VNJ-206	BM044749.D	2-Fluorophenol	150	96.17	64		18	112
			Phenol-d6	150	86.89	58		15	107
			Nitrobenzene-d5	100	60.79	61		18	107
			2-Fluorobiphenyl	100	67.43	67		20	109
			2,4,6-Tribromophenol	150	88.10	59		10	110
			Terphenyl-d14	100	68.57	69		14	112
P1830-04	VNJ-226	BM044748.D	2-Fluorophenol	150	67.50	45		18	112
			Phenol-d6	150	59.83	40		15	107
			Nitrobenzene-d5	100	40.38	40		18	107
			2-Fluorobiphenyl	100	46.11	46		20	109
			2,4,6-Tribromophenol	150	59.61	40		10	110
			Terphenyl-d14	100	48.34	48		14	112
P1831-01	CL-01-032124	BM044747.D	2-Fluorophenol	150	80.19	53		18	112
			Phenol-d6	150	75.70	50		15	107
			Nitrobenzene-d5	100	54.90	55		18	107
			2-Fluorobiphenyl	100	57.26	57		20	109
			2,4,6-Tribromophenol	150	83.57	56		10	110
			Terphenyl-d14	100	53.49	53		14	112
PB159737BL	PB159737BL	BM044742.D	2-Fluorophenol	150	124.12	83		18	112
			Phenol-d6	150	114.33	76		15	107
			Nitrobenzene-d5	100	85.04	85		18	107
			2-Fluorobiphenyl	100	86.70	87		20	109
			2,4,6-Tribromophenol	150	124.64	83		10	110
			Terphenyl-d14	100	90.36	90		14	112
PB159737BS	PB159737BS	BM044743.D	2-Fluorophenol	150	136.88	91		18	112
			Phenol-d6	150	127.02	85		15	107
			Nitrobenzene-d5	100	89.18	89		18	107
			2-Fluorobiphenyl	100	89.75	90		20	109
			2,4,6-Tribromophenol	150	141.27	94		10	110
			Terphenyl-d14	100	91.80	92		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM032324Lab Code: CHEMSAS No.: BM032324 SDG NO.: BM032324Lab File ID: BM044730.DDFTPP Injection Date: 03/22/2024Instrument ID: BNA_MDFTPP Injection Time: 12:12

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	45.9
68	Less than 2.0% of mass 69	0.7 (1.7) 1
69	Mass 69 relative abundance	42.8
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	50.3
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	6.8
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	12.5
442	Greater than 50% of mass 198	79.6
443	15.0 - 24.0% of mass 442	15.2 (19) 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	BM044731.D	03/22/2024	12:48
PB159733BL	PB159733BL	BM044732.D	03/22/2024	13:24
PB159652BS	PB159652BS	BM044733.D	03/22/2024	14:07
PB159652BSD	PB159652BSD	BM044734.D	03/22/2024	14:48
PB159652BL	PB159652BL	BM044735.D	03/22/2024	15:24
PB159733BS	PB159733BS	BM044736.D	03/22/2024	16:01
PB159733BSD	PB159733BSD	BM044737.D	03/22/2024	16:37
PB159682BL	PB159682BL	BM044738.D	03/22/2024	17:14
PB159682BS	PB159682BS	BM044739.D	03/22/2024	17:50
PB159703BL	PB159703BL	BM044740.D	03/22/2024	18:27
PB159703BS	PB159703BS	BM044741.D	03/22/2024	19:03
PB159737BL	PB159737BL	BM044742.D	03/22/2024	19:39
PB159737BS	PB159737BS	BM044743.D	03/22/2024	20:16
PEZOMETER-200	P1788-01	BM044744.D	03/22/2024	20:52
PEZOMETER-206	P1788-02	BM044745.D	03/22/2024	21:28
WASTE-WATER	P1820-01	BM044746.D	03/22/2024	22:04
CL-01-032124	P1831-01	BM044747.D	03/22/2024	22:40
VNJ-226	P1830-04	BM044748.D	03/22/2024	23:16
VNJ-206	P1830-02	BM044749.D	03/22/2024	23:52